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fervi.com

THE CATALOGUE

FOR MRO
PROFESSIONALS
[MAINTENANCE,
REPAIR AND
OPERATIONS]

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FERVI ANSWERS
+39 059.767172

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CUSTOMERS SERVICE

- Product prices and availability
- Orders management
- marketing information
- Dealers and representatives
- Quotes / offers
- General information

2

TECHNICAL DEPARTMENT

- Technical information
- After sales support
- Spare parts
- Warranty
- Repair estimate

5

ENGLISH

www.fervi.com  info@fervi.com



CONTACT US ON FACEBOOK

facebook.com/FerviProSmartEquipment

Our sales department will timely answer to all of your questions!



SUBSCRIBE TO OUR YOUTUBE CHANNEL

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You can stay updated on our company news and on all our big projects.






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
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FERVI **THE SMART COMPANY**

Always at the forefront of innovation in anticipating the needs and wishes of our customers. This is Fervi: leader in the MRO (maintenance, repair and operations) sector and the perfect partner for all professional and hobby requirements, for the construction, maintenance and repair of absolutely any object.

Smart as a business philosophy, in customer and supplier relations, but above all in the supply of high-performance products through increasingly high-tech, dynamic and secure platforms.

We are a solid, dependable and competitive company, a reference point on the European scene for the research, design, production and distribution of machine tools and tooling components that conform to the highest requirements of quality and reliability, leading players in a market that is booming along with us.

VALUES



**THE CUSTOMER AT THE
HEART OF EVERYTHING**



**CONTINUOUS
IMPROVEMENT**



VISION

To offer the most suitable, functional and safe products to workers in industry and the craft sector in order to concretely improve productivity and quality in their daily work.

MISSION

To design and manufacture, research and select, as well as distribute machine tools and tooling components that offer the best value for money, assuring quality standards of safety and service that are well above the average of our direct competitors. Our passion for the continuous upgrading of products and services, our high regard for the work of our customers and our in-depth knowledge of the needs of our industry make us the ideal partner for all major projects or small-scale daily maintenance or repair work.

VALUES



***TRANSPARENCY
IN BEHAVIOUR***



***TEAM
SPIRIT***

FIT FOR YOU

TIMELINE



Rivit, an Italian company specialising in the supply of fastening systems, joined the Fervi family.



Fervi celebrated its first 40 years in business by entering the stock market and acquiring 40% of Sitges Maquinas y Accesorios.



Having achieved impact zero, Fervi's new offices became energy self-sufficient.



The company ownership changed, and the company consolidated in its journey of expansion.



Veprug Srl was founded and established itself as a wholesaler in the Modena area.



The FERVI GROUP was born: the identity of each company is a brick that goes towards building the bridge to the future of the MRO sector.



100% of Vogel Germany & Co KG became part of the Fervi Group.



An expansion of Made in Italy, as Ri-flex Abrasives joined the Fervi family.



35,000 copies of the first Fervi catalogue were distributed.



Veprug evolved into the Fervi-branded business project.



2012

3800 products



2014

4700 products



2016

5700 products



2018

6800 products



2020

8500+ products



2022

8600+ products

FERVI GROUP

Machinery and Tools for MRO

LOOKING AHEAD IS IN THE DNA OF THE INNOVATOR

The path embarked upon, and one that management is strongly committed to, is the growth of technical expertise and the digital transformation of services in order to offer its customers cutting-edge support that will back them up in their day-to-day business.

All this has been made possible by firmly uniting the professionalism and skills of all the companies that today make up the **FERVI GROUP**.

A synergy of key players in the MRO sector, ready to expand further, which today lays the foundations for a future that will be increasingly attuned to market developments and the protection of resources and people.



Founded in 1978, its range includes machine tools, hand tools and abrasives. More than 8,600 products are available for maintenance and repair professionals in the industrial, craft, automotive and advanced DIY sectors.



Since 1982, an Italian producer of high-quality abrasive flap discs using automatic machines designed and manufactured in-house. The automatic systems for the production of flap discs are sold worldwide.



Founded in 1949, it manufactures and sells high-end measuring instruments, marketed through local agents and a worldwide network of distributors.



It was in 1952 that Fervi's historic Spanish distributorship, based in Barcelona, was founded. Distribution is direct and via its own sales network.



Since 1973, Rivit has been the perfect partner for the production and distribution of fastening systems, bolting tools and machines for sheet metal working and assembly.

An increasingly comprehensive and reliable choice for you.

The development strategy adopted by the company has thus made it possible to achieve a connotation such as to be able to boast the title of the first Italian group in the MRO sector, allowing it to be alongside customers in every situation.

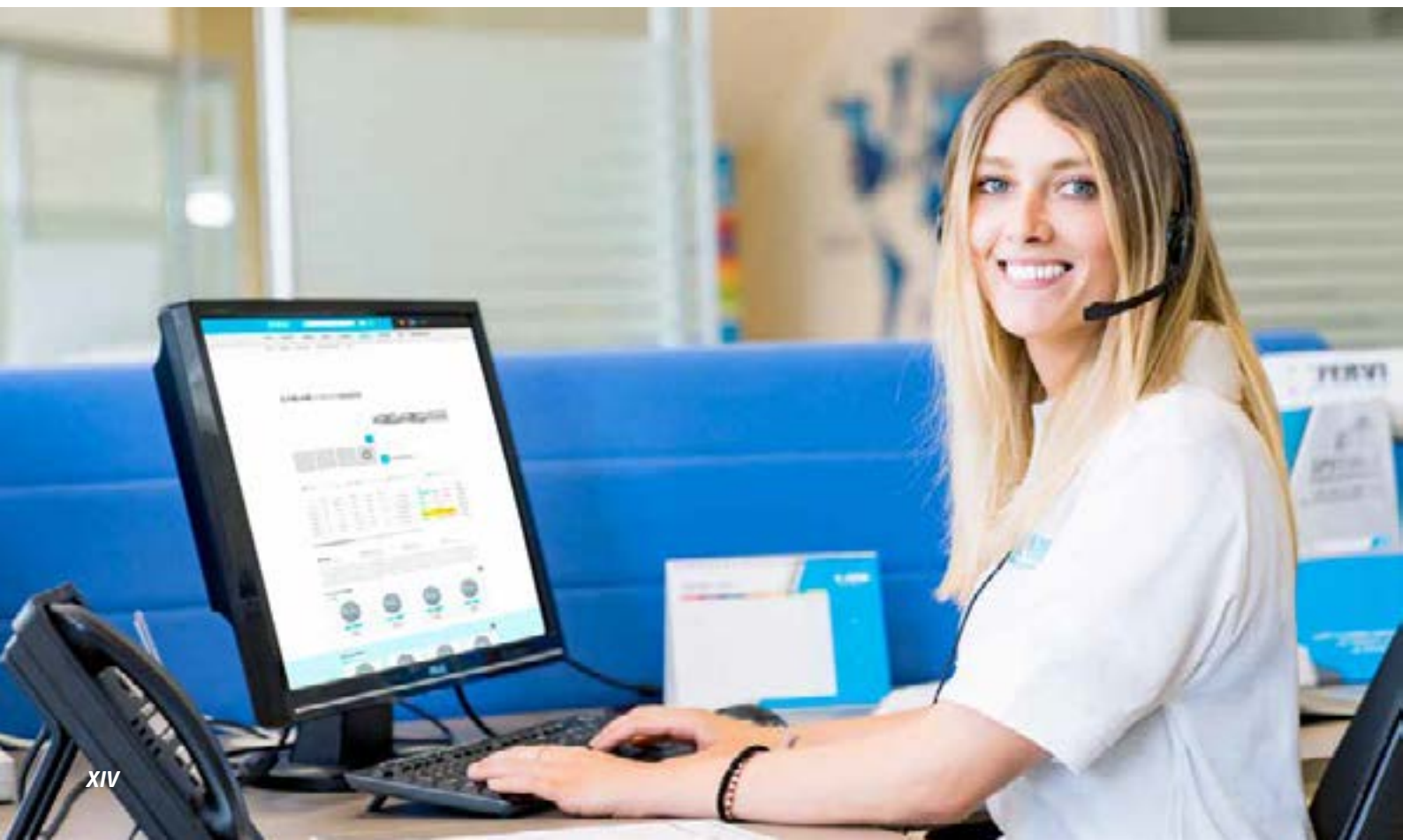
EXTENSIVE COVERAGE. INTERNATIONAL CONFIDENCE.

Our distribution and customer support.

With over **4,500 points of sale in Italy, a presence in more than 50 countries around the world** and more than 8,000 customers, the Fervi Group has today assumed a clearly defined position: that of being ever closer to its customers, to guarantee them daily support for business development.

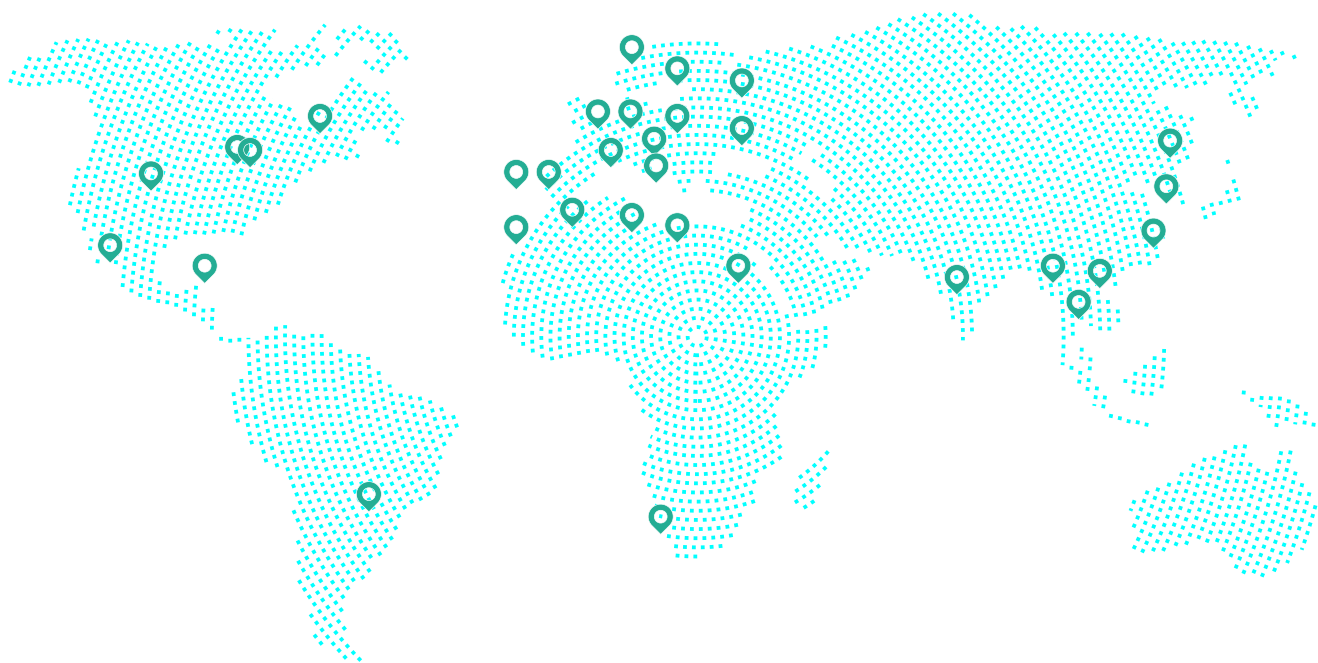
The Group is geared towards constant commercial expansion, always supported by excellent technical back-up to ensure that the complete range of products and services is available throughout the world.

Our highly skilled technicians offer support and an efficient in-house repair service as well as advice on equipment installation and maintenance.



FERVI GROUP

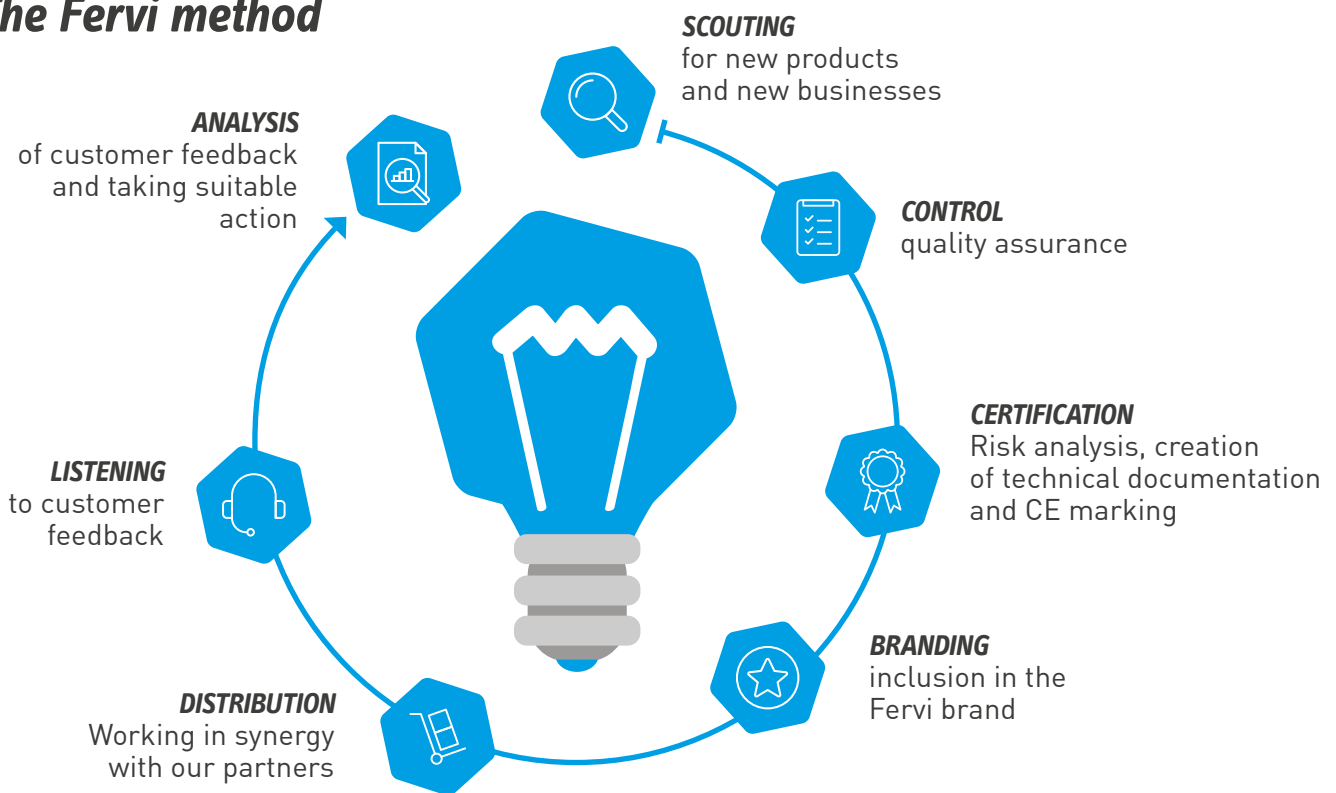
Machinery and Tools for MRO



***A single address,
personalized solutions.***

MANAGEMENT, ORGANISATION, METHOD. QUALITY THE FERVI WAY.

The Fervi method



Our figures

Spaces, people and horizons in the Fervi world.

1+1

SHOWROOM
PHYSICAL AND VIRTUAL

8600+

REFERENCES
IN THE CATALOG

3000+

SPARE PART
ITEMS

10000m²

OF WAREHOUSE
SPACE

200M

ITEMS ON THE
MARKET

3000+

ORDERS EVERY
MONTH

Our certifications

QUALITY THAT COMES FROM RESPONSIBILITY.

Fervi's sense of social and commercial responsibility underpins every initiative and activity undertaken by the members of the Fervi Group and those involved in it.

OUR COWORKERS

Our primary strength, safeguarded by processes and devices and certified to the very highest standards. A healthy and safe environment in which to work, distinguished by a robust and consolidated corporate welfare system.

OUR CUSTOMERS

Each Fervi brand product epitomises everything we strive for every day. High quality, reliability and safety – always 100% guaranteed.

OUR PARTNERS

Anyone who works with the Fervi Group can always count on its proven financial dependability. An extra gesture of trust to build up solid and productive relationships.

AN ENVIRONMENT FOR EVERYONE

We have achieved energy self-sufficiency, thanks to the installation of state-of-the-art photovoltaic systems.

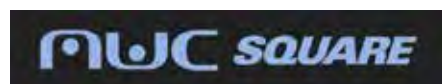
+ ECO-SUSTAINABILITY

Our concern for environmental sustainability has prompted us to produce an eco-sustainable catalogue, using lighter and less treated PEFC paper, with a single goal in mind: to care for our planet by saving, in our own small way, as much CO2 as we possibly can.





FERVI FOR SPORT





FERVI FOR THE UNIVERSITY



WELCOME TO THE TEAM

We're going to build something great. Together.

We support these organisations at every event – organisations in which we recognise our own values: a sense of belonging, respect for one's opponent, fairness and fierce competition.

Aruba.it Racing Ducati - Superbike Team

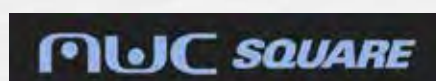
Vanoli Basket - Lega Basket Serie A

Hockey Cortina - Sportivi

Ghiaccio Cortina



FERVI FOR SPORT



ZIMUDI

chooses FERVI



FERVI FOR THE UNIVERSITY

SKYWARD
Experimental Rocketry

 **DYNAMIS**
POLIMI REPARTO CORSE

DIGITAL FERVI

Quality for sharing

Fervi focuses more and more on digital and social platforms to showcase its products at their best and meet the needs of the community promptly, at any time of day.



The fervi.com website – speedy, dynamic, with new graphics and constantly updated with all the technical information you need to get to know more about each product.

Where to buy it – It's really easy to find a dealer where you can buy the products on the Fervi website. Just enter your location and there you go.





Virtual Show-Room – The perfect place to go on a virtual tour of the display shelves, and to see all the tools in the Fervi range.



Scan the QR Code with your smartphone or visit fervi.com and enter the Fervi Virtual Show Room.

Social – A page that is extremely active thanks to our community, but also Instagram and YouTube, to keep you constantly up-to-date and let you swap opinions on hobbies and the professional world.



FERVI SHOPFITTING

Create your own Showroom

An exclusive offer for authorised retailers.

Fervi sees to the shopfitting, you increase your turnover and yield per square metre. Over 800 customers have already decided to boost their business with FERVI Shopfitting solutions!

The blue kilometre

We are proud to say that to date more than 1,000 linear metres of display space have been installed for our customers, giving a clear picture of the broad range FERVI has to offer in terms of solutions

The blue football pitch

As well as the linear kilometre, we mustn't forget the football pitch made up of FERVI gazebos installed at our retailers – a landmark in outdoor display.

Now FERVI has increased its range of solutions, allowing you to customise your point of sale in line with your needs.





Display panels

Ideal for displaying manual tools



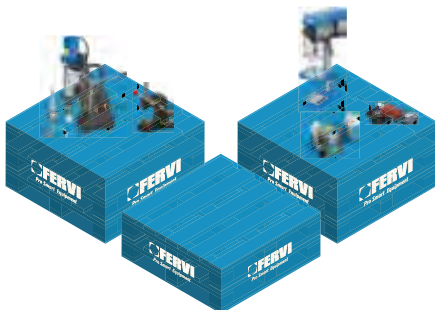
Sail banners

Perfect for displays featuring machine tools. The sail banner identifies the FERVI display area



Gazebos

Ideal for outdoor exhibitions of machines, workshop fittings and anything else that may require a covered space.



Pallet covers

In three different sizes (3, 4, 5 pallets) to create display islands (80x120) for small machines and bulky tools using existing pallets



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PROFESSIONAL LATHE

T095F



T080F20



T080F



T075I



T070/400V3A15



T070/400V13A



T070/400V3A



T069/400V..



T998/..



T999/..



T940/230VI..



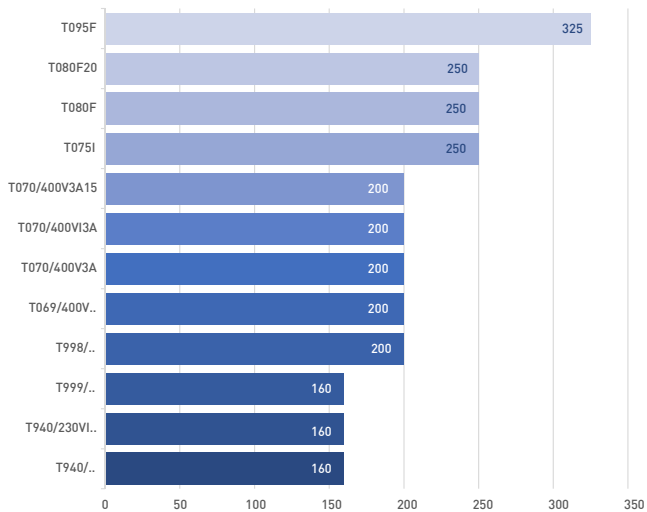
T940/..



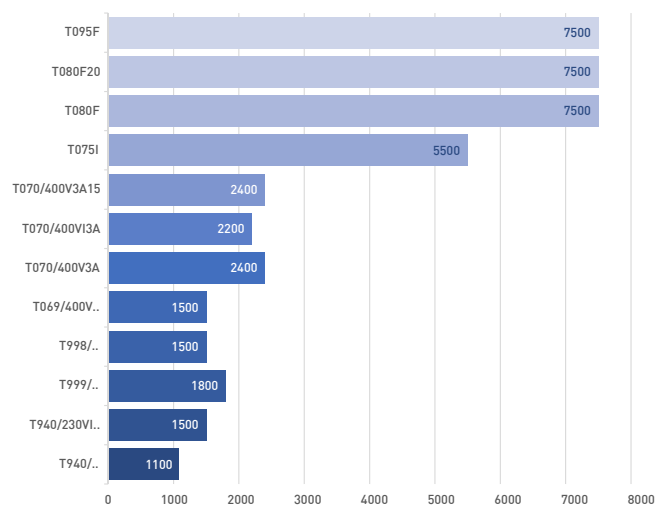


PROFESSIONAL LATHE

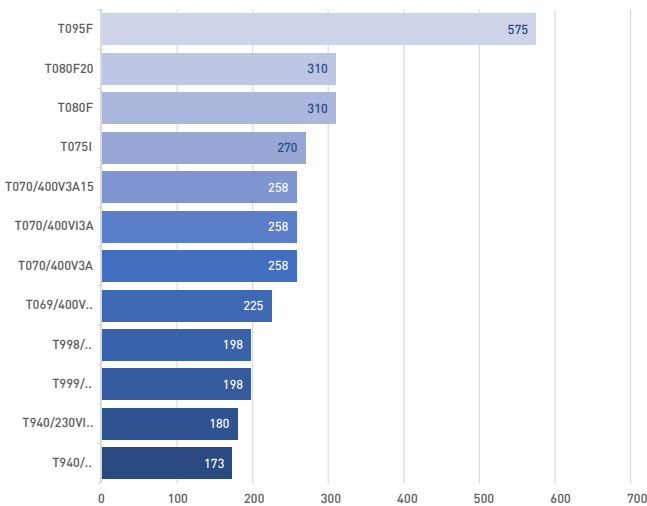
Spindle diameter (mm)



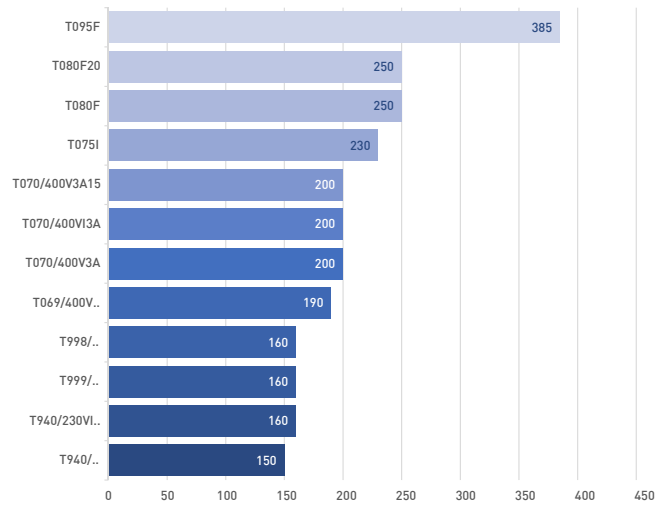
Power (W)



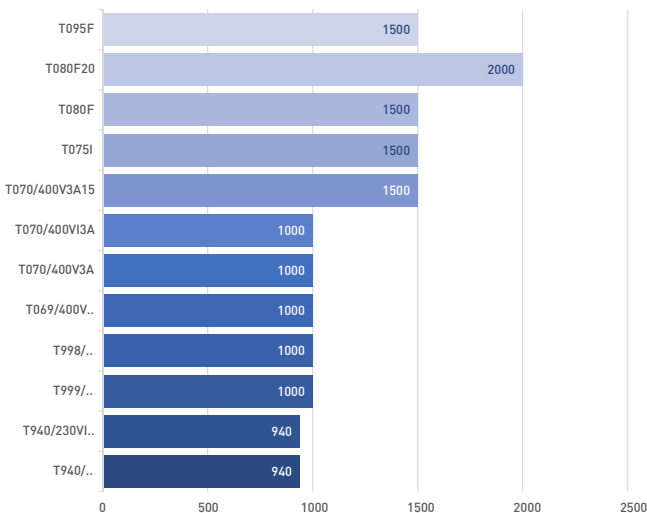
Max swing over the cross slide (mm)



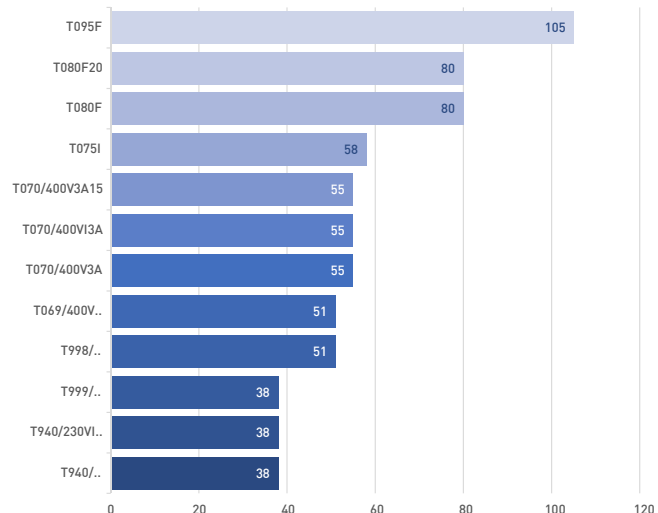
Centers height (mm)



Distance between centers (mm)



Spindle bore (mm)



T095F
NEW € 57240,00
GEAR HEAD LATHE WITH READ OUT

With mechanical spindle clutch and 3 axis read out, semi norton gear box. Equipped with a joystick for the insertion of rapid advances. With cast iron monobloc base.



- | | |
|--|---|
| <ul style="list-style-type: none"> 1 <u>Self centering chuck 3+3 Ø 325 mm</u> 2 <u>Follow rest</u> 3 <u>Steady rest</u> 4 <u>Foot brake</u> 5 <u>3 Axis read out</u> 6 <u>Leadscrew hood</u> | <ul style="list-style-type: none"> 7 <u>Tool post safeguard</u> 8 <u>Chuck safeguard</u> 9 <u>Full length splash guard</u> 10 <u>Quick change tool post</u> 11 <u>Working lamp</u> 12 <u>Cooling system</u> |
|--|---|

Centers height	385 mm
Max swing over the bed	770 mm
Max swing over the cross slide	575 mm
Max swing over the gap	1050 mm
Distance between centers	1500 mm
Spindle bore	105 mm
Spindle nose Camlock	Camlock D1-8
Spindle speed	(12) 36 ÷ 1600 rpm
Longitudinal feeds	0,063 ÷ 2,52 mm / giro
Cross feeds	0,027 ÷ 1,07 mm/giro
Metric threads	1 ÷ 14 mm
Inch threads	2 ÷ 28 TPI
Tailstock taper MT	5
Motor	400V 50 Hz 7,5 kW
Net weight	3300 kg

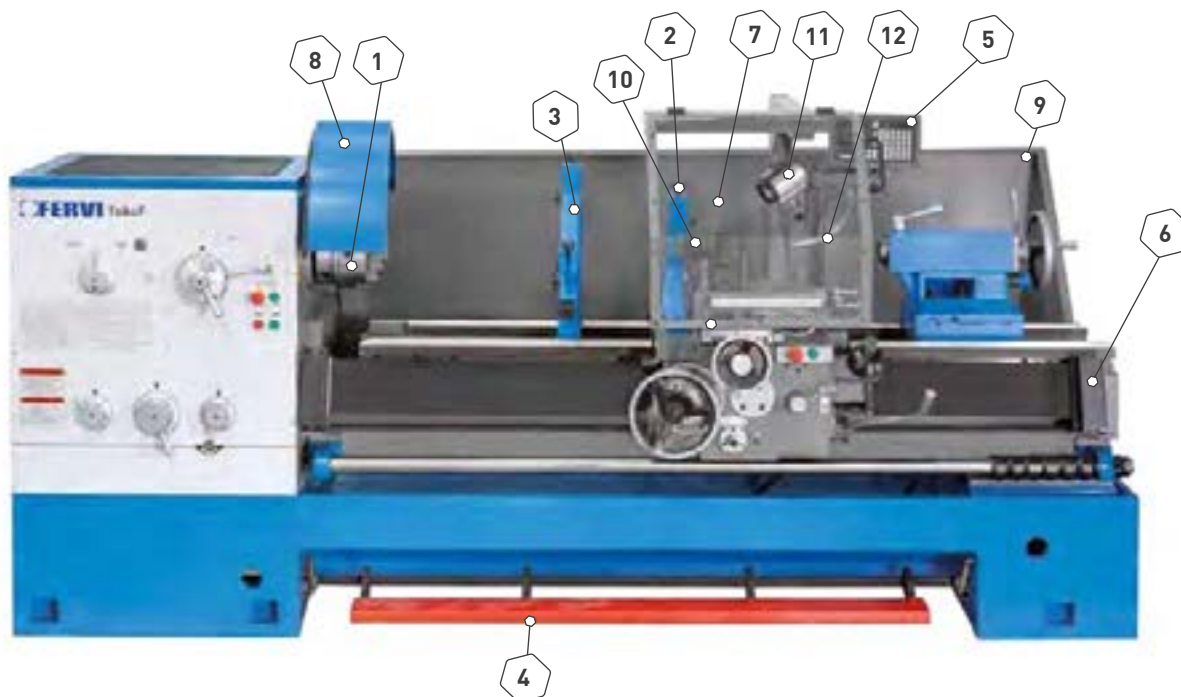
INCLUDED ACCESSORIES

- 3 reversible jaw self centering chuck Ø 325 mm
- 4 independent jaw chuck Ø 400 mm
- Face plate Ø 600 mm
- Follow rest
- Steady rest
- Live center MT 5
- Thread dial
- Leadscrew hood
- Tool post guard
- Chuck safeguard
- Full length splash guard
- Italy style quick change tool post type C
- Working LED lamp
- Cooling system
- Electromechanical foot brake
- Tailstock carriage a quick locking
- Wagon gears in oil bath
- Adjustable leveling feet



T080F20**NEW** € 48060,00**GEAR HEAD LATHE WITH READ OUT**

With mechanical spindle clutch and 3 axis read out, semi norton gear box. Equipped with a joystick for the insertion of rapid advances. With cast iron monobloc base.



1 **Self centering chuck 3+3 Ø 250 mm**

2 **Follow rest**

3 **Steady rest**

4 **Foot brake**

5 **3 Axis read out**

6 **Leadscrew hood**

7 **Tool post safeguard**

8 **Chuck safeguard**

9 **Full length splash guard**

10 **Quick change tool post**

11 **Working lamp**

12 **Cooling system**

Centers height	250 mm
Max swing over the bed	500 mm
Max swing over the cross slide	310 mm
Max swing over the gap	720 mm
Distance between centers	2000 mm
Spindle bore	80 mm
Spindle nose Camlock	Camlock D1-8
Spindle bore taper MT	7
Spindle speed	(12) 36 ÷ 1600 rpm
Longitudinal feeds	0,063 ÷ 2,52 mm / giro
Cross feeds	0,027 ÷ 1,07 mm/giro
Metric threads	1 ÷ 14 mm
Inch threads	2 ÷ 28 TPI
Tailstock taper MT	5
Motor	400V 50 Hz 7,5 kW
Net weight	3300 kg

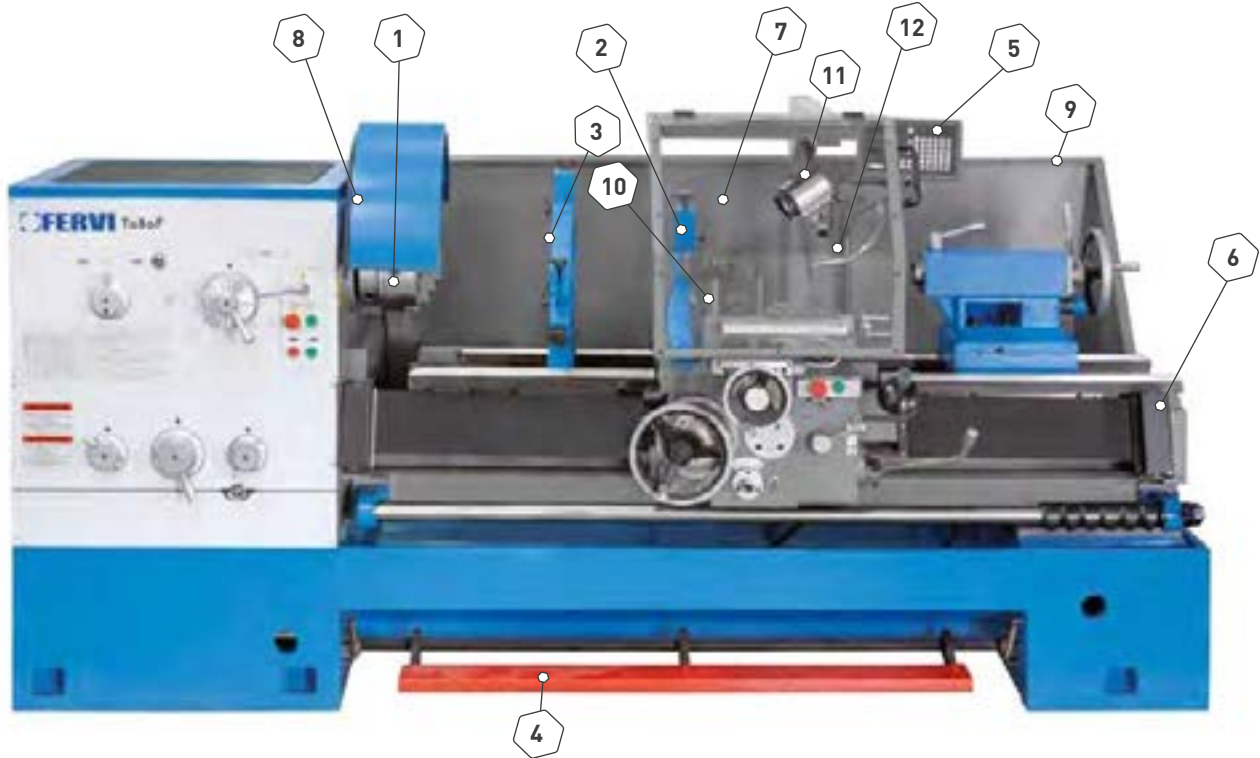
INCLUDED ACCESSORIES

- 3 reversible jaw self centering chuck Ø 250 mm
- 4 independent jaw chuck Ø 320 mm
- Reduction sleeve MT 7/5
- Face plate Ø 400 mm
- Follow rest
- Steady rest
- 2 x Dead center MT 5
- Live center MT 5
- Thread dial
- Leadscrew hood
- Turret guard
- Chuck safeguard
- Full length splash guard
- Italy style quick change tool post type C
- Working LED lamp
- Cooling system
- Electromechanical foot brake
- Tailstock carriage a quick locking
- Wagon gears in oil bath
- Adjustable leveling feet



T080F
€ 46100,00
GEAR HEAD LATHE WITH READ OUT

With mechanical spindle clutch and 3 axis read out, semi norton gear box. Equipped with a joystick for the insertion of rapid advances. With cast iron monobloc base.



- | | |
|---|--|
| 1 <u>Self centering chuck 3+3 Ø 250 mm</u> | 7 <u>Tool post safeguard</u> |
| 2 <u>Follow rest</u> | 8 <u>Chuck safeguard</u> |
| 3 <u>Steady rest</u> | 9 <u>Full length splash guard</u> |
| 4 <u>Foot brake</u> | 10 <u>Quick change tool post</u> |
| 5 <u>3 Axis read out</u> | 11 <u>Working lamp</u> |
| 6 <u>Leadscrew hood</u> | 12 <u>Cooling system</u> |

Centers height	250 mm
Max swing over the bed	500 mm
Max swing over the cross slide	310 mm
Max swing over the gap	720 mm
Distance between centers	1500 mm
Spindle bore	80 mm
Spindle nose Camlock	Camlock D1-8
Spindle bore taper MT	7
Spindle speed	(12) 36 ÷ 1600 rpm
Longitudinal feeds	0,063 ÷ 2,52 mm/rev
Cross feeds	0,027 ÷ 1,07 mm/rev
Metric threads	1 ÷ 14 mm
Inch threads	2 ÷ 28 TPI
Tailstock taper MT	5
Motor	400V 50 Hz 7,5 kW
Dimensions	3000 x 1100 x 1700 h mm
Net weight	3250 kg

INCLUDED ACCESSORIES

- 3 reversible jaw self centering chuck Ø 250 mm
- 4 independent jaw chuck Ø 320 mm
- Reduction sleeve MT 7/5
- Face plate Ø 400 mm
- Follow rest
- Steady rest
- 2 x Dead center MT 5
- Live center MT 5
- Thread dial
- Leadscrew hood
- Turret guard
- Chuck safeguard
- Full length splash guard
- Italy style quick change tool post type C
- Working LED lamp
- Cooling system
- Electromechanical foot brake
- Tailstock carriage a quick locking
- Wagon gears in oil bath
- Adjustable leveling feet

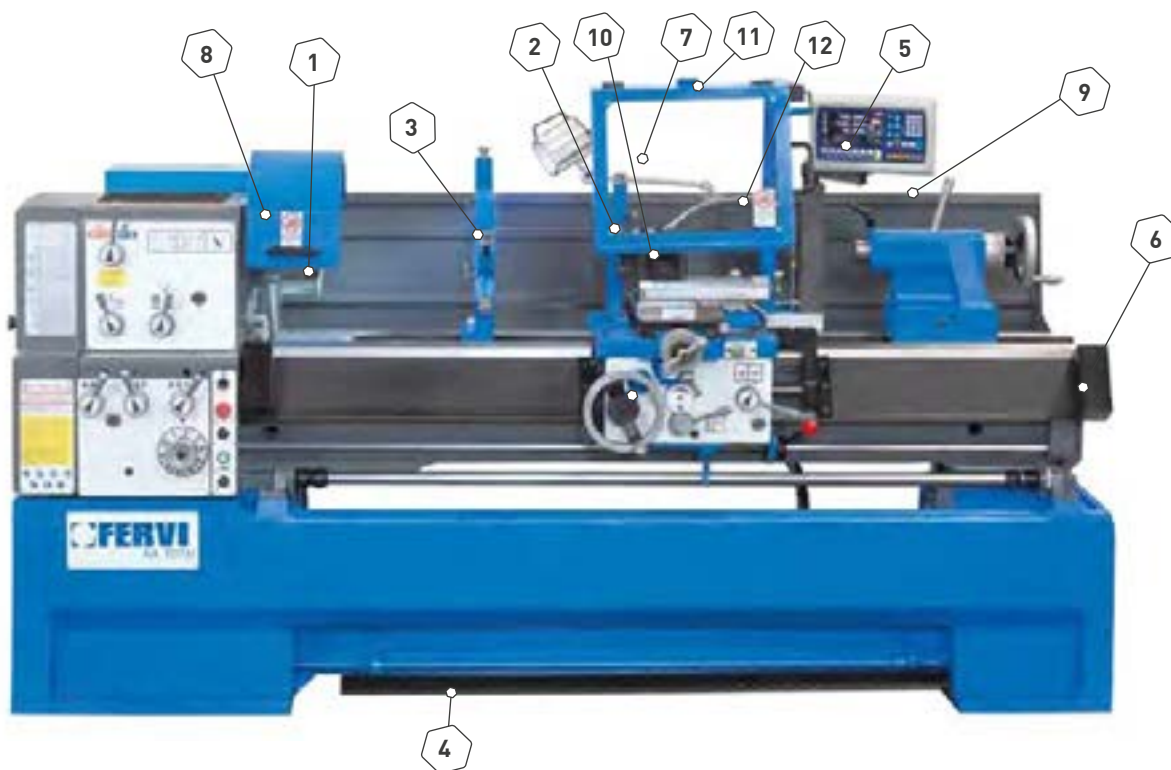


T075I

€ 35880,00

GEAR HEAD LATHE WITH INVERTER

3-axis display with speed variation control, semi norton gearbox. With cast iron monobloc base. The computer-viewer varies the rotation speed according to the turned diameter.



- ① **Self centering chuck 3+3 Ø 250 mm**
- ② **Follow rest**
- ③ **Steady rest**
- ④ **Foot brake**
- ⑤ **3 Axis read out**
- ⑥ **Leadscrew hood**

- ⑦ **Tool post safeguard**
- ⑧ **Chuck safeguard**
- ⑨ **Full length splash guard**
- ⑩ **Quick change tool post**
- ⑪ **Working lamp**
- ⑫ **Cooling system**

Centers height	230 mm
Max swing over the bed	460 mm
Max swing over the cross slide	270 mm
Max swing over the gap	690 mm
Distance between centers	1500 mm
Spindle bore	58 mm
Spindle nose Camlock	Camlock D1-6
Spindle bore taper MT	6
Variable spindle speed	(2) 30 ÷ 600 600 ÷ 2000 rpm
Longitudinal feeds	0,014 ÷ 0,784 mm/rev
Cross feeds	0,031 ÷ 1,7 mm/rev
Metric threads	0,1 ÷ 14 mm
Inch threads	2 ÷ 112 TPI
Tailstock taper MT	4
Motor	400V 50/60 Hz 5,5 kW
Dimensions	2750 x 1080 x 1650 h mm
Dimensions	2750 x 1080 x 1650 h mm
Net weight	1970 kg

INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 250 mm
- 4 independent jaw chuck Ø 250 mm
- Reduction sleeve MT 6/4
- Face plate Ø 350 mm
- Follow rest
- Steady rest
- 2 x Dead center MT 4
- Live center MT 4
- Thread dial
- Leadscrew hood
- Chuck safeguard
- Full length splash guard
- Quick change tool post type B
- Working lamp
- Cooling system
- Electro-mechanic foot brake
- Turret guard
- Quick locking tailstock carriage
- Wagon gears in oil bath



T070/400V3A15

€ 15520,00

GEAR HEAD LATHE WITH READ OUT

With 2 speed motor and 3 axis read out, semi norton gear box. Turning bar with adjustable clutch.



- 1 Self centering chuck 3+3 Ø 200 mm
- 2 Follow rest
- 3 Steady rest
- 4 Foot brake
- 5 Thread dial
- 6 Leadscrew hood

- 7 Tool post safeguard
- 8 Chuck safeguard
- 9 Full length splash guard
- 10 TOAB quick change tool post
- 11 Working lamp
- 12 Cooling system

Centers height	200 mm
Max swing over the bed	400 mm
Max swing over the cross slide	258 mm
Distance between centers	1500 mm
Spindle bore	55 mm
Spindle nose Camlock	Camlock D1-5
Spindle bore taper MT	6
Spindle speed	(12) 45 ÷ 2000 rpm
Longitudinal feeds	0,06 ÷ 2,78 mm/rev
Cross feeds	0,01 ÷ 0,72 mm/rev
Metric threads	0,8 ÷ 14 mm
Inch threads	2 ÷ 28 TPI
Tailstock taper MT	4
Motor	400V 50 Hz 1,5 / 2,4 kW
Dimensions	2360 x 760 x 1600 h mm
Net weight	1000 kg

INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 200 mm
- 4 independent jaw chuck Ø 200 mm
- Reduction sleeve MT 6/4
- Face plate Ø 320 mm
- Follow rest
- Steady rest
- 2 x Dead center MT 4
- Live center MT 4
- Thread dial
- Leadscrew hood
- Chuck safeguard
- Full length splash guard
- TOAB quick change tool post
- Working lamp
- Cooling system
- Foot brake
- Turret guard
- Clutch on turning bar
- Quick locking tailstock carriage
- Wagon gears in oil bath

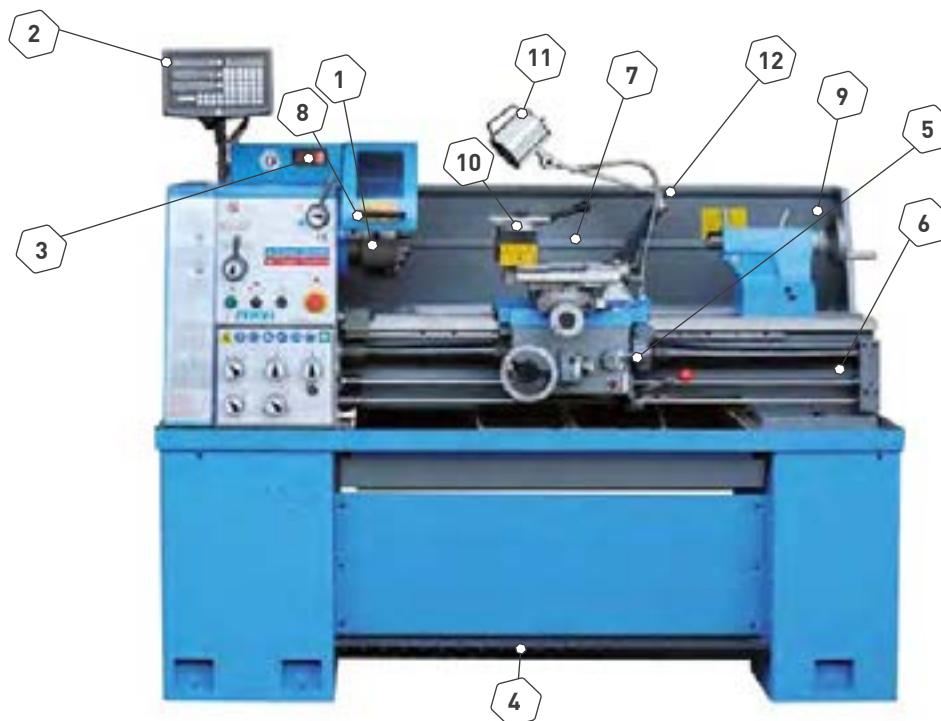


T070/400VI3A

€ 15930,00

GEAR HEAD LATHE WITH INVERTER AND READ OUT

3 axis read out and semi norton gear box. Turning bar with adjustable clutch and rotation speed display.



1 **Self centering chuck 3+3 Ø 200 mm**

2 **3 Axis read out**

3 **Speed selector**

4 **Foot brake**

5 **Thread dial**

6 **Leadscrew hood**

7 **Tool post safeguard**

8 **Chuck safeguard**

9 **Full length splash guard**

10 **TOAB quick change tool post**

11 **Working lamp**

12 **Cooling system**

Centers height	200 mm
Max swing over the bed	400 mm
Max swing over the cross slide	258 mm
Max swing over the gap	550 mm
Distance between centers	1000 mm
Spindle bore	55 mm
Spindle nose Camlock	Camlock D1-5
Spindle bore taper MT	6
Variable spindle speed	{2} 50 ÷ 1000 50 ÷ 2000 rpm
Longitudinal feeds	0,06 ÷ 2,78 mm/rev
Cross feeds	0,01 ÷ 0,72 mm/rev
Metric threads	0,8 ÷ 14 mm
Inch threads	2 ÷ 28 TPI
Tailstock taper MT	4
Motor	400V 50 Hz 2,2 kW
Dimensions	1860 x 900 x 1650 h mm
Net weight	780 kg

INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 200 mm
- 4 independent jaw chuck Ø 200 mm
- Reduction sleeve MT 6/4
- Face plate Ø 320 mm
- Follow rest
- Steady rest
- 2 x Dead center MT 4
- Live center MT 4
- Thread dial
- Leadscrew hood
- Turret guard
- Chuck safeguard
- TOAB quick change tool post
- Working lamp
- Cooling system
- Foot brake
- Full length splash guard
- Clutch on turning bar
- Wagon gears in oil bath
- Quick locking tailstock carriage

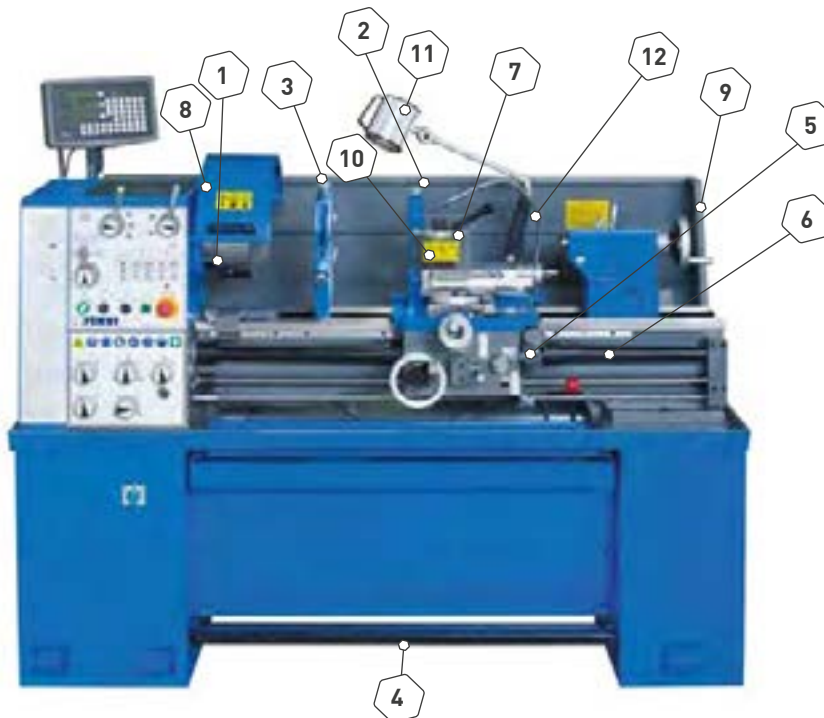


T070/400V3A

€ 14380,00

GEAR HEAD LATHE WITH READ OUT

With 2 speed motor and 3 axis read out, semi norton gear box. Turning bar with adjustable clutch.



- 1 **Self centering chuck 3+3 Ø 200 mm**
- 2 **Follow rest**
- 3 **Steady rest**
- 4 **Foot brake**
- 5 **Thread dial**
- 6 **Leadscrew hood**

- 7 **Tool post safeguard**
- 8 **Chuck safeguard**
- 9 **Full length splash guard**
- 10 **TOAB quick change tool post**
- 11 **Working lamp**
- 12 **Cooling system**

Centers height	200 mm
Max swing over the bed	400 mm
Max swing over the cross slide	258 mm
Max swing over the gap	550 mm
Distance between centers	1000 mm
Spindle bore	55 mm
Spindle nose Camlock	Camlock D1-5
Spindle bore taper MT	6
Spindle speed	(12) 45 ÷ 2000 rpm
Longitudinal feeds	0,06 ÷ 2,78 mm/rev
Cross feeds	0,01 ÷ 0,72 mm/rev
Metric threads	0,8 ÷ 14 mm
Inch threads	2 ÷ 28 TPI
Tailstock taper MT	4
Motor	400V 50 Hz 1,5 / 2,4 kW
Dimensions	1860 x 800 x 1600 h mm
Net weight	760 kg

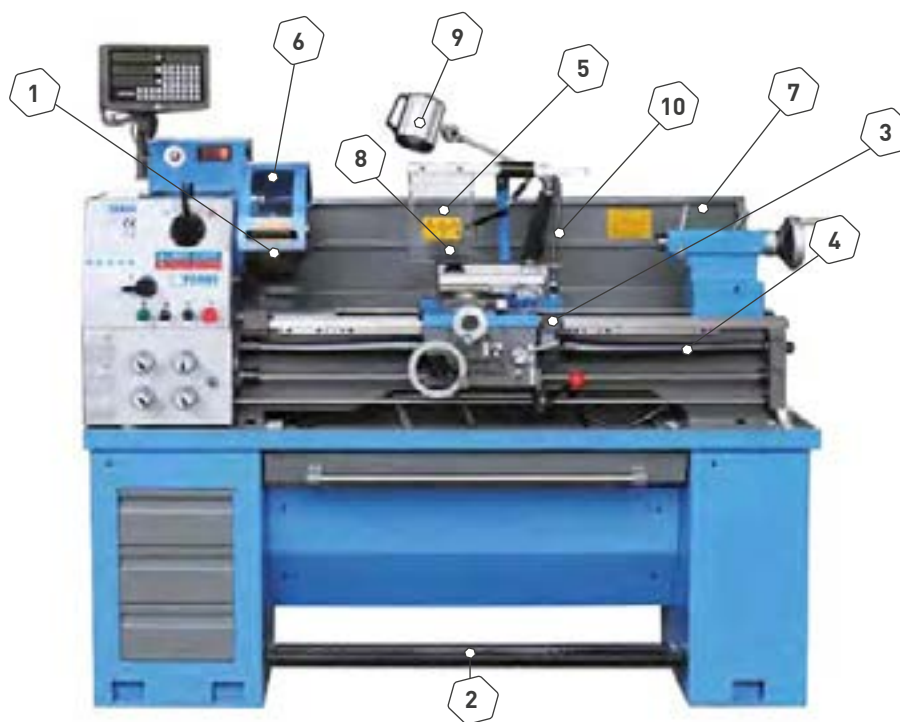
INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 200 mm
- 4 independent jaw chuck Ø 200 mm
- Reduction sleeve MT 6/4
- Face plate Ø 320 mm
- Follow rest
- Steady rest
- 2 x Dead center MT 4
- Live center MT 4
- Thread dial
- Leadscrew hood
- Turret guard
- Chuck safeguard
- Full length splash guard
- TOAB quick change tool post
- Working lamp
- Cooling system
- Foot brake
- Clutch on turning bar
- Quick locking tailstock carriage
- Wagon gears in oil bath



T069/400VI3A**€ 13000,00****GEAR HEAD LATHE WITH INVERTER AND READ OUT**

3 axis read out and semi norton gear box. Turning bar with adjustable clutch and rotation speed display.

**1** Self centering chuck 3+3 Ø 200 mm**2** Foot brake**3** Thread dial**4** Leadscrew hood**5** Tool post safeguard**6** Chuck safeguard**7** Full length splash guard**8** T0AE quick change tool post**9** Working lamp**10** Cooling system

Centers height	190 mm
Max swing over the bed	380 mm
Max swing over the cross slide	225 mm
Max swing over the gap	503 mm
Distance between centers	1000 mm
Spindle bore	51 mm
Spindle nose Camlock	Camlock D1-5
Spindle bore taper MT	6
Variable spindle speed	{2} 70 ÷ 400 50 ÷ 2000 rpm
Longitudinal feeds	0,052 - 1,392 mm/rev
Cross feeds	0,014 - 0,380 mm/rev
Metric threads	0,4 - 7 mm
Inch threads	4 - 56 TPI
Tailstock taper MT	4
Motor	400V 50 Hz 1,5 kW
Dimensions	1820 x 90 x 1650 h mm
Net weight	645 kg

INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 200 mm
- 4 Reversible independent jaws chuck Ø 200 mm
- Reduction sleeve MT 6/4
- Face plate Ø 320 mm
- Follow rest
- Steady rest
- 2 x Dead center MT 4
- Live center MT 4
- Thread dial
- Turret guard
- Leadscrew hood
- Chuck safeguard
- Full length splash guard
- T0AE quick change tool post
- Working lamp
- Cooling system
- Foot brake
- Clutch on turning bar
- Quick locking tailstock carriage
- Wagon gears in oil bath



T069/400V3A

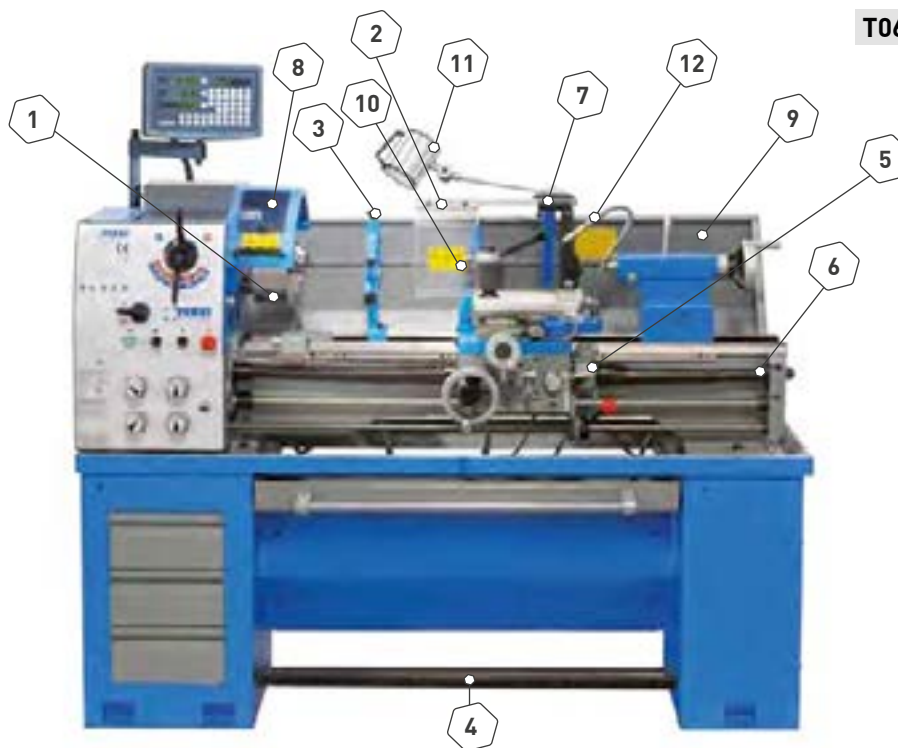
€ 11730,00

GEAR HEAD LATHE WITH READ OUT

3 axis read out and semi norton gear box. Turning bar with adjustable clutch.

T069/400V € 10690,00

WITHOUT READ OUT



- 1 **Self centering chuck 3+3 Ø 200 mm**
- 2 **Follow rest**
- 3 **Steady rest**
- 4 **Foot brake**
- 5 **Thread dial**
- 6 **Leadscrew hood**

- 7 **Tool post safeguard**
- 8 **Chuck safeguard**
- 9 **Full length splash guard**
- 10 **TOAE quick change tool post**
- 11 **Working lamp**
- 12 **Cooling system**

Centers height	190 mm
Max swing over the bed	380 mm
Max swing over the cross slide	225 mm
Max swing over the gap	503 mm
Distance between centers	1000 mm
Spindle bore	51 mm
Spindle nose Camlock	Camlock D1-5
Spindle bore taper MT	6
Spindle speed	70 ÷ 2000 rpm
Longitudinal feeds	0,052 ÷ 1,392 mm/rev
Cross feeds	0,014 ÷ 0,380 mm/rev
Metric threads	0,4 ÷ 7 mm
Inch threads	4 ÷ 56 TPI
Tailstock taper MT	4
Motor	400V 50 Hz 1,5 kW
Dimensions	1800 x 800 x 1600 h mm
Net weight	640 kg

INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 200 mm
- 4 Reversible independent jaws chuck Ø 200 mm
- Reduction sleeve MT 6/4
- Face plate Ø 320 mm
- Follow rest
- Steady rest
- 2 x Dead center MT 4
- Live center MT 4
- Thread dial
- Leadscrew hood
- Chuck safeguard
- Full length splash guard
- TOAE quick change tool post
- Working LED lamp
- Cooling system
- Turret guard
- Foot brake
- Clutch on turning bar
- Quick locking tailstock carriage
- Wagon gears in oil bath

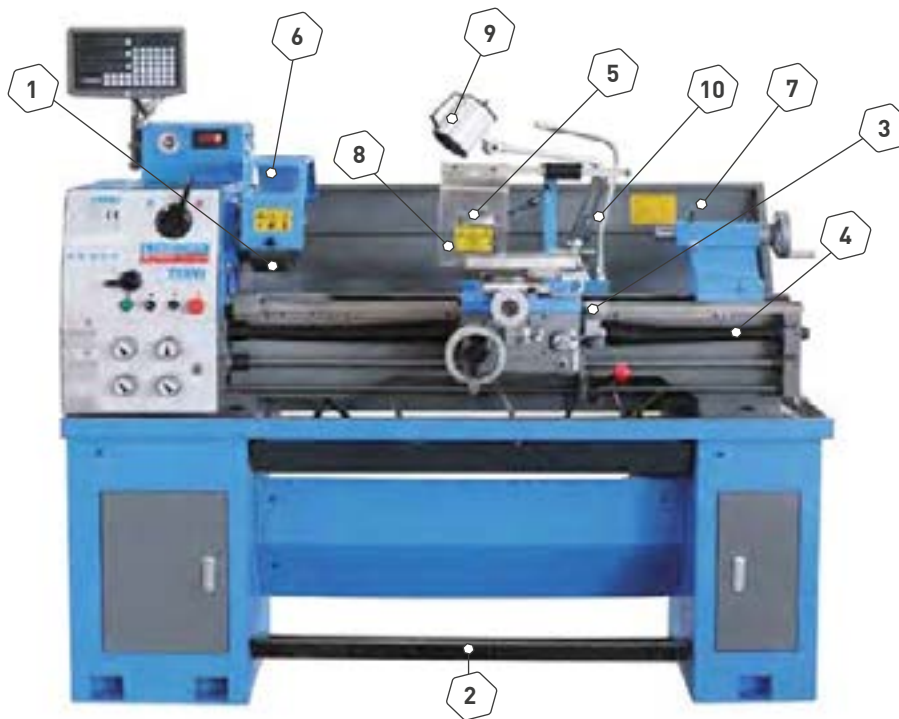


T998/400VI3A

€ 11890,00

GEAR HEAD LATHE WITH INVERTER AND READ OUT

3 axis read out and semi norton gear box. Turning bar with adjustable clutch and rotation speed display.

**1** Self centering chuck 3+3 Ø 200 mm**2** Foot brake**3** Thread dial**4** Leadscrew hood**5** Tool post safeguard**6** Chuck safeguard**7** Full length splash guard**8** TOAE quick change tool post**9** Working lamp**10** Cooling system

Centers height	160 mm
Max swing over the bed	320 mm
Max swing over the cross slide	198 mm
Max swing over the gap	470 mm
Distance between centers	1000 mm
Spindle bore	51 mm
Spindle nose Camlock	Camlock D1-5
Spindle bore taper MT	5
Variable spindle speed	{2} 70 ÷ 400 350 ÷ 2000 rpm
Longitudinal feeds	0.052 ÷ 1.392 mm/rev
Cross feeds	0.009 ÷ 0.253 mm/rev
Metric threads	0,4 ÷ 7 mm
Inch threads	4 ÷ 56 TPI
Tailstock taper MT	3
Motor	400V 50 Hz 1,5 kW
Dimensions	1820 x 900 x 1650 h mm
Net weight	635 kg

INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 200 mm
- 4 Reversible independent jaws chuck Ø 200 mm
- Reduction sleeve MT 5/3
- Face plate Ø 250 mm
- Follow rest
- Steady rest
- Dead center MT 3
- Live center MT 3
- Foot brake
- Thread dial
- Leadscrew hood
- Chuck safeguard
- Full length splash guard
- TOAE quick change tool post
- Working lamp
- Cooling system
- Turret guard
- Clutch on turning bar
- Quick locking tailstock carriage
- Wagon gears in oil bath



T998/230V3A & T998/400V3A

€ 10600,00

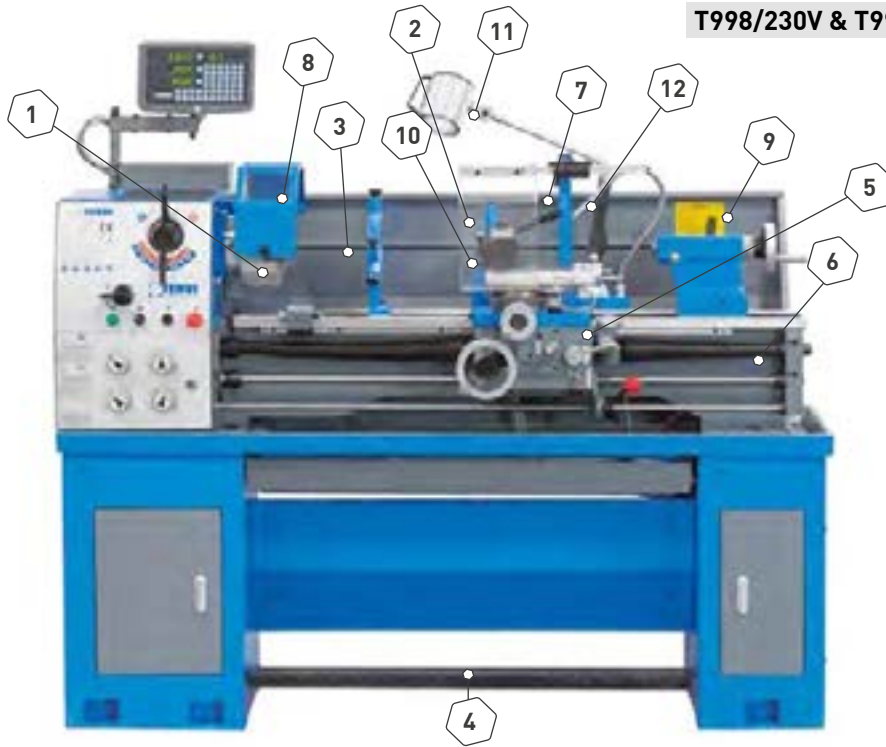
GEAR HEAD LATHE WITH READ OUT

3 axis read out, semi norton gear box. Turning bar with adjustable clutch.

T998/230V & T998/400V

€ 9600,00

WITHOUT READ OUT



- 1 **Self centering chuck 3+3 Ø 200 mm**
- 2 **Follow rest**
- 3 **Steady rest**
- 4 **Foot brake**
- 5 **Thread dial**
- 6 **Leadscrew hood**

- 7 **Tool post safeguard**
- 8 **Chuck safeguard**
- 9 **Full length splash guard**
- 10 **TOAE quick change tool post**
- 11 **Working lamp**
- 12 **Cooling system**

Centers height	160 mm
Max swing over the bed	320 mm
Max swing over the cross slide	198 mm
Max swing over the gap	470 mm
Distance between centers	1000 mm
Spindle bore	51 mm
Spindle nose Camlock	Camlock D1-5
Spindle bore taper MT	5
Spindle speed	(8) 70 ÷ 2000 rpm
Longitudinal feeds	0.052 ÷ 1.392 mm/rev
Cross feeds	0.009 ÷ 0.253 mm/rev
Metric threads	0,4 ÷ 7 mm
Inch threads	4 ÷ 56 TPI
Tailstock taper MT	3
Motor	230 V 50 Hz 1,8 kW 400 V 50 Hz 1,5 kW
Dimensions	1820 x 800 x 1320 h mm
Net weight	630 kg

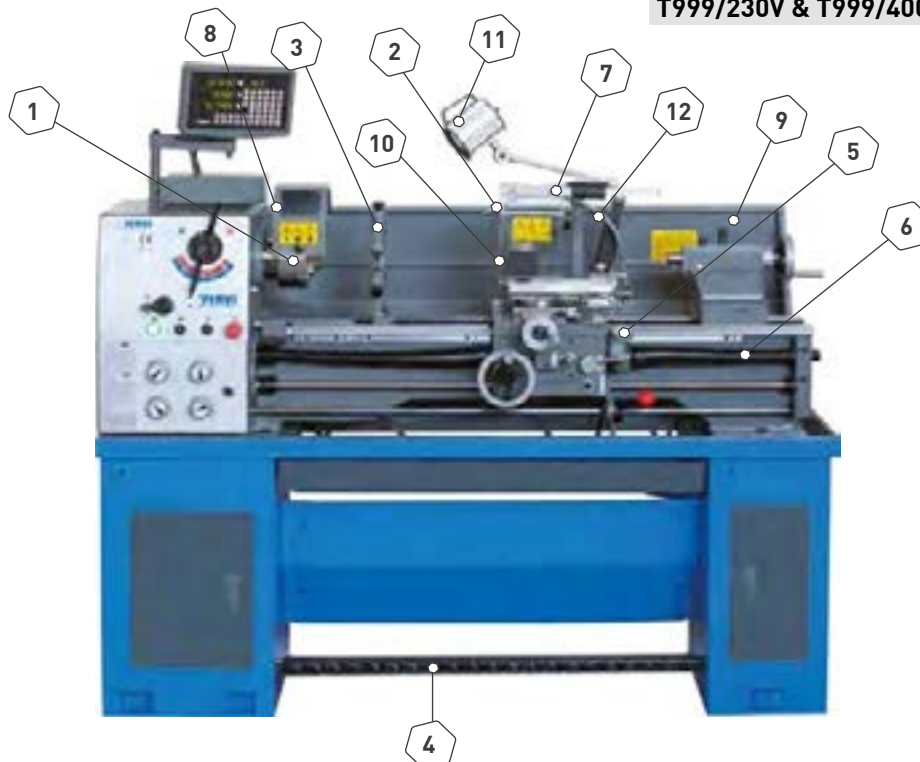
INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 200 mm
- 4 Reversible independent jaws chuck Ø 200 mm
- Reduction sleeve MT 5/3
- Face plate Ø 250 mm
- Follow rest
- Steady rest
- 2 x Dead center MT 3
- Live center MT 3
- Foot brake
- Thread dial
- Leadscrew hood
- Turret protection
- Chuck safeguard
- Full length splash guard
- TOAE quick change tool post
- Working lamp
- Cooling system
- Clutch on turning bar
- Quick locking tailstock carriage
- Wagon gears in oil bath



T999/230V3A & T999/400V3A
€ 10120,00
GEAR HEAD LATHE WITH READ OUT

3 axis read out, semi norton gear box. Turning bar with adjustable clutch.

T999/230V & T999/400V
€ 8880,00
WITHOUT READ OUT

1 Self centering chuck 3+3 Ø 160 mm
2 Follow rest
3 Steady rest
4 Foot brake
5 Thread dial
6 Leadscrew hood
7 Tool post safeguard
8 Chuck safeguard
9 Full length splash guard
10 TOAE quick change tool post
11 Working lamp
12 Cooling system

Centers height	160 mm
Max swing over the bed	320 mm
Max swing over the cross slide	198 mm
Max swing over the gap	470 mm
Distance between centers	1000 mm
Spindle bore	38 mm
Spindle nose Camlock	Camlock D1-4
Spindle bore taper MT	5
Spindle speed	(8) 70 ÷ 2000 rpm
Longitudinal feeds	0,052 ÷ 1,392 mm/rev
Cross feeds	0,009 ÷ 0,253 mm/rev
Metric threads	0,4 ÷ 7 mm
Inch threads	4 ÷ 56 TPI
Tailstock taper MT	3
Motor	230 V 50 Hz 1,8 kW 400 V 50 Hz 1,5 kW
Dimensions	1820 x 800 x 1320 h mm
Net weight	625 kg

INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 160 mm
- 4 Reversible independent jaws chuck Ø 200 mm
- Reduction sleeve MT 5/3
- Face plate Ø 250 mm
- Follow rest
- Steady rest
- 2 x Dead center MT 3
- Live center MT 3
- Foot brake
- Thread dial
- Leadscrew hood
- Turret protection
- Chuck safeguard
- Full length splash guard
- TOAE quick change tool post
- Working lamp
- Cooling system
- Clutch on turning bar
- Quick locking tailstock carriage
- Wagon gears in oil bath



T940/230VI3A

€ 10170,00

GEAR HEAD LATHE WITH INVERTER AND READ OUT

3 axis read out and semi norton gear box. Turning bar with adjustable clutch and rotation speed display.

T940/230VI € 8830,00
 WITHOUT READ OUT


- 1 Self centering chuck 3+3 Ø 160 mm
- 2 Follow rest
- 3 Steady rest
- 4 Foot brake
- 5 Thread dial

- 6 Leadscrew hood
- 7 Tool post safeguard
- 8 Chuck safeguard
- 9 Full length splash guard
- 10 TOAE quick change tool post
- 11 Working lamp

Centers height	160 mm
Max swing over the bed	340 mm
Max swing over the cross slide	180 mm
Max swing over the gap	460 mm
Distance between centers	940 mm
Spindle bore	38 mm
Spindle nose Camlock	Camlock D1-4
Spindle bore taper MT	5
Variable spindle speed	65÷ 1750 rpm
Longitudinal feeds	0,053 ÷ 1,291 mm/rev
Cross feeds	0,011 ÷ 0,276 mm/rev
Metric threads	0,4 ÷ 7 mm
Inch threads	4 ÷ 60 TPI
Tailstock taper MT	3
Tool height	16 mm
Motor	230 V 50/60 Hz 1.5 kW
Dimensions	1770 x 1400 x 670 mm
Net weight	530 kg

INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 160 mm
- 4 Reversible independent jaws chuck Ø 200 mm
- Reduction sleeve MT 5/3
- Face plate Ø 240 mm
- Follow rest
- Steady rest
- Dead center MT 3
- Dead center MT 5
- Live center MT 3
- Foot brake
- Thread dial
- Leadscrew hood
- Turret protection
- Chuck safeguard
- Full length splash guard
- TOAE quick change tool post
- Working lamp
- Quick locking tailstock carriage
- Wagon gears in oil bath



T940/230V & T940/400V

€ 7480,00

GEAR HEAD LATHE

Semi norton gear box



1 Self centering chuck 3+3 Ø 160 mm

2 Follow rest

3 Steady rest

4 Foot brake

5 Thread dial

6 Leadscrew hood

7 Tool post safeguard

8 Chuck safeguard

9 Full length splash guard

10 TOAE quick change tool post

11 Working lamp

Centers height	150 mm
Max swing over the bed	300 mm
Max swing over the gap	480 mm
Max swing over the cross slide	173 mm
Distance between centers	940 mm
Spindle bore	38 mm
Spindle bore taper MT	5
Spindle speed	(9) 64 ÷ 1500 rpm
Longitudinal feeds	0,051 ÷ 0,303 mm/rev
Cross feeds	0,051 ÷ 0,303 mm/rev
Metric threads	0,5 ÷ 3,5 mm
Inch threads	7,5 ÷ 48 TPI
Tailstock taper MT	3
Motor	230 V 50 Hz 1,5 kW 400 V 50 Hz 1,1 kW
Tool height	16 mm
Dimensions	600 x 1600 x 1270 h mm
Net weight	520 kg

INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 160 mm
- 4 Reversible independent jaws chuck Ø 200 mm
- Reduction sleeve MT 5/3
- Face plate Ø 240 mm
- Face plate Ø 200 mm
- Follow rest
- Steady rest
- Dead center MT 3
- Dead center MT 5
- Live center MT 3

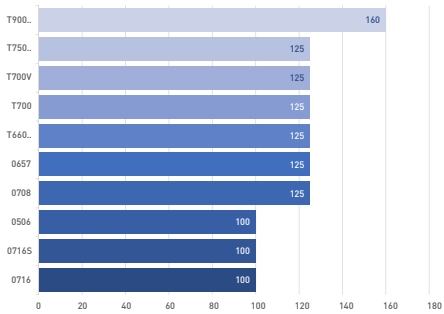
- Foot brake
- Thread dial
- Leadscrew hood
- Turret protection
- Chuck safeguard
- Full length splash guard
- TOAE quick change tool post
- Working lamp
- Quick locking tailstock carriage
- Wagon gears in oil bath



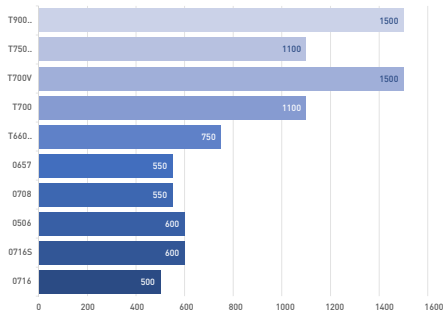
LATHES



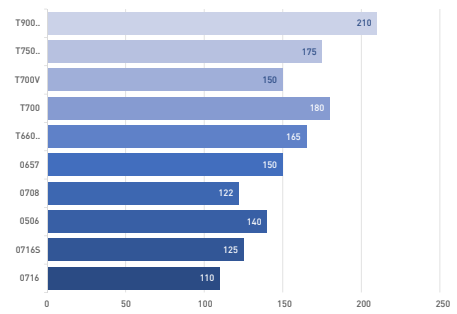
Spindle diameter (mm)



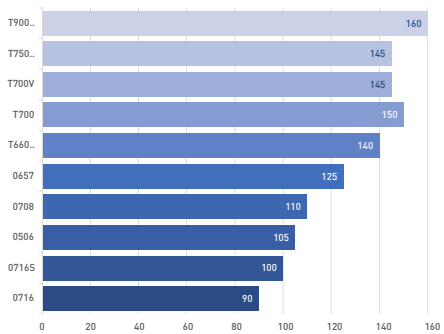
Power (W)



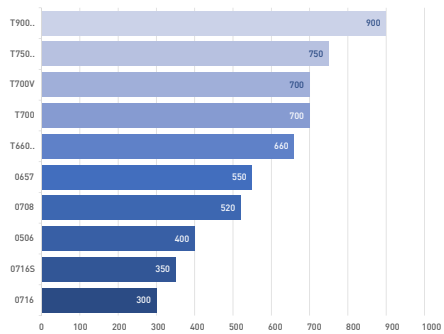
Max swing over the cross slide (mm)



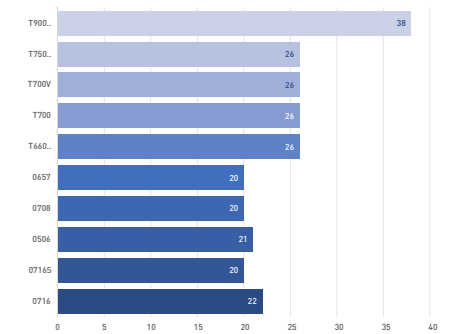
Centers height (mm)



Distance between centers (mm)



Spindle bore (mm)



T900I

€ 7060,00

GEAR HEAD LATHE WITH INVERTER

Bench lathe semi norton gear box and belt drive, longitudinal and cross feeds, turning, leadscrew, partially assembled bench with 3 drawers, and cabinet. Turning bar with adjustable clutch.

INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 160 mm
- 4 Reversible independent jaws chuck Ø 160 mm
- Face plate Ø 240 mm
- Flange for 4-jaw chuck Ø 160 mm
- Follow rest
- Steady rest
- Dead center MT 3
- Dead center MT 5
- Clutch on turning bar
- Thread dial
- Leadscrew hood
- Turret safeguard with micro switch
- Chuck safeguard with micro switch
- Full length splash guard
- Quick change tool post T0AA
- LED light
- Quick locking tailstock carriage
- Wagon gears in oil bath

Centers height	160 mm
Max swing over the bed	320 mm
Max swing over the cross slide	210 mm
Distance between centers	900 mm
Spindle bore	38 mm
Spindle nose camlock	Camlock D1-4
Spindle bore taper MT	5
Variable spindle speed	75 ÷ 500 300 ÷ 2000 rpm
Longitudinal feeds	0,07 ÷ 1,0 mm/rev
Cross feeds	0,0017 ÷ 0,25 mm/rev
Metric threads	(18) 0,2 ÷ 3,5 mm
Inch threads	(21) 8 ÷ 56 TPI
Tailstock taper MT	3
Tool height	16 mm
Motor	230V 50/60 Hz 1.5 kW
Dimensions	1600 x 750 x 1300 mm
Net weight	360 kg

**T900**

€ 5960,00

GEAR HEAD LATHE

Bench lathe semi norton gear box and belt speed, change, longitudinal and cross feeds, turning, leadscrew, partially assembled bench with 3 drawers, and cabinet. Turning bar with adjustable clutch.

INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 160 mm
- 4 Reversible independent jaws chuck Ø 160 mm
- Face plate Ø 240 mm
- Flange for 4-jaw chuck Ø 160 mm
- Follow rest
- Steady rest
- Dead center MT 3
- Dead center MT 5
- Clutch on turning bar
- Thread dial
- Leadscrew hood
- Turret safeguard with micro switch
- Chuck safeguard with micro switch
- Full length splash guard
- Quick change tool post T0AE
- LED light
- Quick locking tailstock carriage
- Wagon gears in oil bath

Centers height	160 mm
Max swing over the bed	320 mm
Max swing over the cross slide	210 mm
Distance between centers	900 mm
Spindle bore	38 mm
Spindle nose camlock	Camlock D1-4
Spindle bore taper MT	5
Spindle speed	(6) 125 ÷ 2000 rpm
Longitudinal feeds	0,07 ÷ 1,0 mm/rev
Cross feeds	0,0017 ÷ 0,25 mm/rev
Metric threads	(18) 0,2 ÷ 3,5 mm
Inch threads	(21) 8 ÷ 56 TPI
Tailstock taper MT	3
Tool height	16 mm
Motor	230 V 50 Hz 1,5 kW
Dimensions	1600 x 750 x 1300 mm
Net weight	330 kg



T750I
€ 6400,00
GEAR HEAD LATHE WITH INVERTER

Bench lathe semi norton gear box and belt drive, change, longitudinal and cross feeds, turning, leadscrew, partially assembled bench with 3 drawers, and cabinet. Turning bar with adjustable clutch.

INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 125 mm
- 4 Reversible independent jaws chuck Ø 160 mm
- Face plate Ø 200 mm
- Flange for 4-jaw chuck Ø 160 mm
- Follow rest
- Steady rest
- Dead center MT 3
- Dead center MT 5
- Clutch on turning bar
- Thread dial
- Leadscrew hood
- Turret safeguard with micro switch
- Chuck safeguard with micro switch
- Full length splash guard
- Quick change tool post T0AE
- LED light

Centers height	145 mm
Max swing over the bed	290 mm
Max swing over the cross slide	175 mm
Distance between centers	750 mm
Spindle bore	26 mm
Spindle bore taper MT	4
Variable spindle speed	75 ÷ 500 / 300 ÷ 2000 rpm
Longitudinal feeds	0,07 ÷ 1,0 mm/rev
Cross feeds	0,0017 ÷ 0,25 mm/rev
Metric threads	(18) 0,2 ÷ 3,5 mm
Inch threads	(21) 8 ÷ 56 TPI
Tailstock taper MT	3
Motor	Three-phased 230 V 1.1 kW
Single-phase power supply	230 V 50 / 60 Hz
Dimensions	1450 x 720 x 1280 mm
Net weight	310 kg

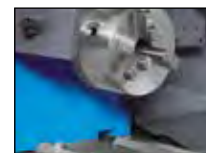

T750
€ 5310,00
GEAR HEAD LATHE

Bench lathe semi norton gear box and belt speed, change, longitudinal and cross feeds, turning, leadscrew, partially assembled bench with 3 drawers, and cabinet. Turning bar with adjustable clutch.

INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 125 mm
- 4 Reversible independent jaws chuck Ø 160 mm
- Face plate Ø 200 mm
- Flange for 4-jaw chuck Ø 160 mm
- Follow rest
- Steady rest
- Dead center MT 3
- Dead center MT 5
- Clutch on turning bar
- Thread dial
- Leadscrew hood
- Turret safeguard with micro switch
- Chuck safeguard with micro switch
- Full length splash guard
- Quick change tool post T0AE
- LED light
- Quick stop tailstock with a swing of 75 mm
- Saddle gears in oil

Centers height	145 mm
Max swing over the bed	290 mm
Max swing over the cross slide	175 mm
Distance between centers	750 mm
Spindle bore	26 mm
Spindle bore taper MT	4
Spindle speed	(6) 125 ÷ 2000 rpm
Longitudinal feeds	0,07 ÷ 1,0 mm/rev
Cross feeds	0,0017 ÷ 0,25 mm/rev
Metric threads	(18) 0,2 ÷ 3,5 mm
Inch threads	(21) 8 ÷ 56 TPI
Tailstock taper MT	3
Motor	230 V 50 Hz 1,5 kW
Dimensions	1450 x 720 x 1280 mm
Net weight	310 kg



T700V

€ 5390,00

VARIABLE SPEED PARALLEL GEAR LATHE

Bench lathe semi norton gear box and variable speed, longitudinal and cross feeds, turning leadscrew, partially assembled bench with 3 drawers and cabinet. Turning bar with adjustable clutch.

INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 125 mm
- 4 Reversible independent jaws chuck Ø 125 mm
- Face plate Ø 200 mm
- Flange for 4-jaw chuck Ø 125 mm
- Follow rest
- Steady rest
- Dead center MT 2
- Dead center MT 4
- Clutch on turning bar
- Thread dial
- Leadscrew hood
- Turret safeguard with micro switch
- Chuck safeguard
- Full length splash guard
- 4 side fix tool post 12 mm
- Quick stop tailstock with a swing of 85 mm
- Saddle gears in oil

Centers height	145 mm
Max swing over the bed	290 mm
Max swing over the cross slide	150 mm
Distance between centers	700 mm
Spindle bore	26 mm
Spindle bore taper MT	4
Variable spindle speed	50 ÷ 1000 rpm 110 ÷ 2000 rpm
Longitudinal feeds	0,07 ÷ 0,65 mm/rev
Cross feeds	0,03 ÷ 0,12 mm/rev
Metric threads	0,2 ÷ 3,5 mm
Inch threads	8 ÷ 56 TPI
Tailstock taper MT	2
Motor	230 V 50 Hz 1,5 kW
Dimensions	1129 x 690 x 1127 mm
Net weight	270 kg

**T700**

€ 4670,00

GEAR HEAD LATHE

Bench lathe semi norton gear box and belt speed, change, longitudinal and cross feeds, turning, leadscrew, partially assembled bench with 3 drawers, and cabinet. Turning bar with adjustable clutch.

INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 125 mm
- 4 Reversible independent jaws chuck Ø 125 mm
- Face plate Ø 200 mm
- Flange for 4-jaw chuck Ø 125 mm
- Follow rest
- Steady rest
- Dead center MT 2
- Dead center MT 4
- Clutch on turning bar
- Thread dial
- Leadscrew hood
- Turret safeguard with micro switch
- Chuck safeguard
- Full length splash guard
- 4 side fix tool post 12 mm
- Quick stop tailstock with a swing of 85 mm
- Saddle gears in oil

Centers height	150 mm
Max swing over the bed	290 mm
Max swing over the cross slide	180 mm
Distance between centers	700 mm
Spindle bore	26 mm
Spindle bore taper MT	4
Spindle speed	(6) 150 ÷ 2000 rpm
Longitudinal feeds	0,085 ÷ 0,832 mm / rev
Cross feeds	0,01 ÷ 0,10 mm / rev
Metric threads	0,2 ÷ 3,5 mm
Inch threads	8 ÷ 48 TPI
Tailstock taper MT	2
Motor	230 V 50 Hz 1.1 kW
Dimensions	1270 x 610 x 1320 h mm
Net weight	270 kg



T660I

€ 5550,00

BENCH LATHE WITH VARIABLE SPEED INVERTER

Semi norton gear box, partially assembled bench

INCLUDED ACCESSORIES

- 3+3 self centering chuck Ø 125 mm
- 4 Reversible independent jaw chuck Ø 160 mm
- Face plate Ø 200 mm
- Flange for 4-jaw chuck Ø 160 mm
- Follow rest
- Steady rest
- Dead center MT 2
- Dead center MT 4
- Live center MT 2
- Thread dial
- Leadscrew hood
- Turret safeguard
- Chuck safeguard
- Splash guard
- T0AA quick change tool post

Centers height	140 mm
Max swing over the bed	280 mm
Max swing over the cross slide	165 mm
Distance between centers	660 mm
Spindle bore	26 mm
Spindle bore taper MT	4
Variable spindle speed	100 ÷ 2000 rpm
Longitudinal feeds	0,063 ÷ 0,35 mm/rev
Metric threads	0,25 ÷ 3,5 mm
Inch threads	8 ÷ 72 TPI
Tailstock taper MT	2
Motor	230 V 50/60 Hz 0.75 kW
Dimensions	1325 x 550 x 1230 mm
Net weight	216 kg


T660

€ 4150,00

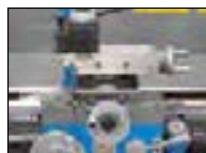
BENCH LATHE

Semi norton gear box and belt speed change, partially assembled bench

INCLUDED ACCESSORIES

- 3+3 self centering chuck Ø 125 mm
- 4 Reversible independent jaw chuck Ø 160 mm
- Face plate Ø 200 mm
- Flange for 4-jaw chuck Ø 160 mm
- Follow rest
- Steady rest
- Dead center MT 2
- Dead center MT 4
- Live center MT 2
- Thread dial
- Leadscrew hood
- Chuck safeguard
- Splash guard
- T0AA quick change tool post

Centers height	140 mm
Max swing over the bed	280 mm
Max swing over the cross slide	165 mm
Distance between centers	660 mm
Spindle bore	26 mm
Spindle bore taper MT	4
Spindle speed	{6} 125 ÷ 2000 rpm
Longitudinal feeds	0,063 ÷ 0,35 mm/rev
Metric threads	0,25 ÷ 3,5 mm
Inch threads	8 ÷ 72 TPI
Tailstock taper MT	2
Motor	230 V 50 Hz 0,75 kW
Dimensions	1325 x 550 x 1230 mm
Net weight	216 kg



0657**€ 2850,00****BENCH LATHE**

With mill table device, belt speed change

INCLUDED ACCESSORIES

- 3+3 self centering chuck Ø 125 mm
- Dead center MT 2
- Dead center MT 3
- Leadscrew hood
- Turret safeguard
- Chuck safeguard
- Splash guard
- 4 side fix tool post 12 mm
- Quick stop tailstock

Centers height	125 mm
Max swing over the bed	250 mm
Max swing over the cross slide	150 mm
Distance between centers	550 mm
Spindle bore	20 mm
Spindle bore taper MT	3
Tailstock taper MT	2
Spindle speed	(6) 125 ÷ 2000 rpm
Longitudinal feeds	0,1 - 0,2 mm/rev
Metric threads	0,4 ÷ 3,5 mm
Inch threads	18 ÷ 44 TPI
Motor	230 V 50 Hz 0,55 kW
Dimensions	1120 x 480 x 460h mm
Net weight	145 kg

**0708****€ 2330,00****GEAR BENCH LATHE**

With speed change by gears, morse tapered spindle bearings, adjustable signs, leadscrew hood, chuck guard with microswitch

INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 125 mm
- Follow rest
- Dead center MT2
- Dead center MT3
- Thread dial
- Leadscrew hood
- Turret safeguard with micro switch
- Chuck safeguard
- Full length splash guard
- 4 side fix tool post 12 mm

Centers height	110 mm
Max swing over the bed	200 mm
Max swing over the cross slide	122 mm
Distance between centers	520 mm
Spindle bore	20 mm
Spindle bore taper MT	3
Spindle speed	(6) 170 ÷ 1950 rpm
Longitudinal feeds	0,04 ÷ 0,20 mm/rev
Metric threads	0,25 ÷ 3 mm
Inch threads	8 ÷ 48 TPI
Tailstock taper MT	2
Motor	230 V 50 Hz 0,55 kW
Dimensions	1080 x 440 x 400h mm
Net weight	130 kg

**0506****€ 2120,00****BENCH LATHE**

Mini lathe with automatic longitudinal feeds and variable speed shown on digital display. With metal gears.

INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 100 mm
- Follow rest
- Steady rest
- Dead center MT 2
- Live center MT 2
- Thread dial
- Turret safeguard
- Chuck safeguard
- Leadscrew hood
- Full length splash guard
- 4 side fix tool post 10 mm
- Quick stop tailstock

Centers height	105 mm
Max swing over the bed	210 mm
Max swing over the cross slide	140 mm
Distance between centers	400 mm
Spindle bore	21 mm
Spindle bore taper MT	3
Variable spindle speed	50 ÷ 1100 rpm 100 ÷ 2500 rpm
Longitudinal feeds	0,083 ÷ 0,175 mm / giro
Metric threads	(9) 0,5 ÷ 2,5 mm
Tailstock taper MT	2
Motor	230 V 50 Hz 0,6 kW
Dimensions	780 x 300 x 340 h mm
Net weight	49 kg



0716S
€ 1870,00
MINI LATHE

Mini lathe with automatic longitudinal feeds and variable speed shown on digital display

INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 100 mm
- Flange Ø 125 mm
- Follow rest
- Steady rest
- Dead center MT 2
- Thread dial
- Turret safeguard
- Chuck safeguard
- Full length splash guard
- 4 side fix tool post 10 mm

Centers height	100 mm
Max swing over the bed	170 mm
Max swing over the cross slide	125 mm
Distance between centers	350 mm
Spindle bore	20 mm
Spindle bore taper MT	3
Variable spindle speed	(2) 100 ÷ 1100 200 ÷ 2500 rpm
Metric threads	0,5 ÷ 2,5 mm
Tailstock taper MT	2
Motor	230 V 50 Hz 0,6 kW
Dimensions	750 x 245 x 290 h mm
Net weight	46 kg


0716
€ 1680,00
MINI LATHE

With automatic longitudinal feeds and variable speed shown on digital display

INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 100 mm
- Flange Ø 125 mm
- Follow rest
- Steady rest
- Dead center MT 2
- Thread dial
- Turret safeguard
- Chuck safeguard
- Full length splash guard
- 4 side fix tool post 10 mm

Centers height	90 mm
Max swing over the bed	170 mm
Max swing over the cross slide	110 mm
Distance between centers	300 mm
Spindle bore	22 mm
Spindle bore taper MT	3
Spindle speed	(2) 100 ÷ 1100 200 ÷ 2500 rpm
Metric threads	0,5 ÷ 2,5 mm / giro
Tailstock taper MT	2
Motor	230 V 50 Hz 0,5 kW
Dimensions	730 x 290 x 280 h mm
Net weight	40 kg


0657/B
€ 446,00
BENCH LATHE STAND

Not assembled bench lathe stand



Dimensions	1050 x 433 x 720h mm
Net weight	36,5 kg

0710
€ 327,00
BENCH LATHE STAND

Partially assembled bench lathe stand



Dimensions	1050 x 320 x 725h mm
Net weight	21 kg

0716/B
€ 308,00
BENCH LATHE STAND

Completely made in sheet metal, bench lathe stand, locking without key, inner shelf.



Dimensions	760 x 240 x 680h mm
Slot distance	475 x 70 mm
Internal shelf height	405 mm
Net weight	24,00 kg



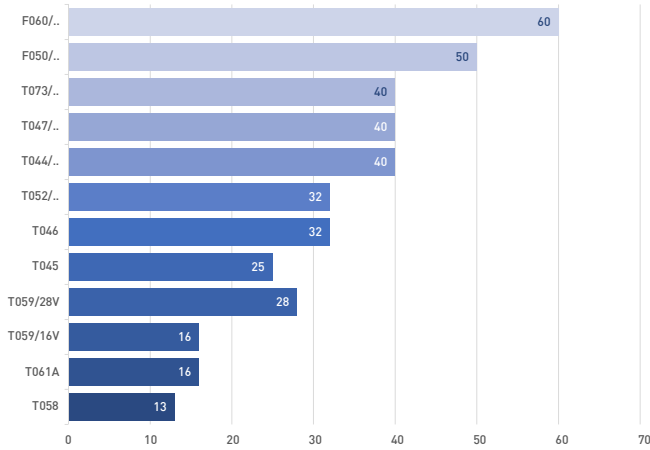
DRILLING MILLING MACHINES



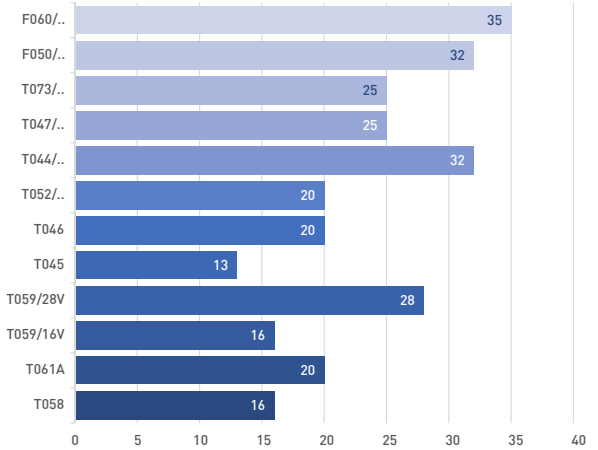


DRILLING MILLING MACHINES

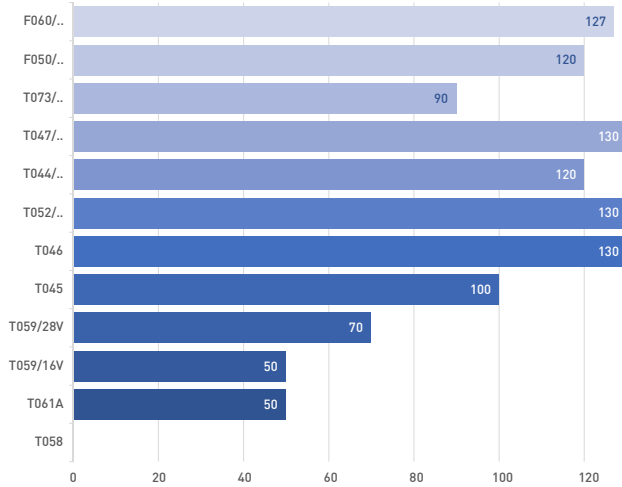
Max drilling capacity (mm)



End milling cutter max (mm)



Spindle travel (mm)



Junction

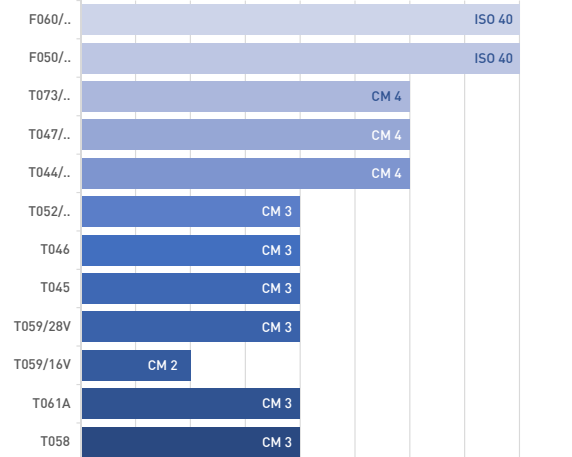
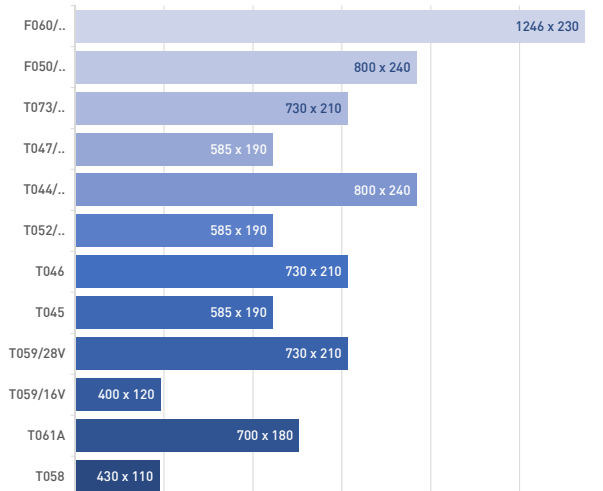
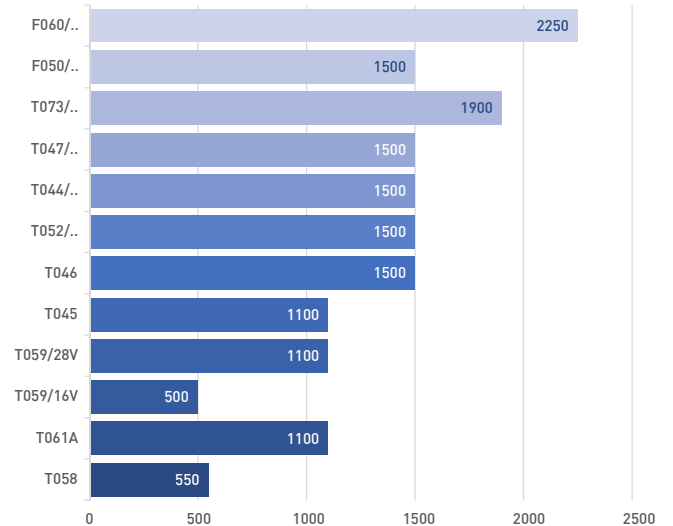


Table dimensions (mm)



Power (W)



F0601
€ 23620,00
INVERTER VERTICAL MILLING MACHINE

ISO 40, motorized cross table on all axes, 3 axis read out and japanese inverter.

INCLUDED ACCESSORIES

- Base with chip tank
- Refrigeration plant
- LED lamp
- Display for viewing the rotation speed
- 3-axis viewer
- Variable speed motorized axes with rapid function
- Round table flyers with neutral function
- Guide lubrication system with manual pump

Face milling cutter max	100 mm
End milling cutter max	35 mm
Max drilling capacity on cast iron with pre-drilling hole	60 mm
Max drilling capacity on steel with pre-drilling hole(s235jr)	24 mm
Spindle nose Camlock	ISO 40 - DIN 2080
Quill	86 mm
Spindle travel	127 mm
Head tilt left and right	± 45°
Vertical head rotation	± 90°
Head body rotation	± 180°
Variable spindle speed	60 ÷ 3600 rpm
Motor	400 V 50 Hz 2.25 kW
Table movement motor	110V 50Hz 0.3 KW
Cooling pump	400V 50 Hz 0.4 KW
Distance between spindle nose and table	45 - 395 mm
Distance spindle axis - column surface	215-450 mm
Table dimensions	1246 x 230 mm
Longitudinal axis	850 mm
Cross axis	310 mm
Slot	16 mm
Dimensions	1680 x 1500 x 2100 h mm
Net weight	1000 kg


F060V
€ 20610,00
VERTICAL MILLING MACHINE WITH MECHANICAL SPEED VARIATOR

Variable speed, ISO 40, motorized cross table on all axes, 3 axis read out.

INCLUDED ACCESSORIES

- Base with chip tray
- Coolant system
- LED Lamp
- Mechanical speed indicator
- 3 Axis DRO
- Variable speed motorized axes with rapid function
- Round table flyers with neutral function
- Guide lubrication system with manual pump

Face milling cutter max	100 mm
End milling cutter max	35 mm
Max drilling capacity on cast iron with pre-drilling hole	60 mm
Max drilling capacity on steel with pre-drilling hole(s235jr)	24 mm
Spindle nose Camlock	ISO40 DIN2080
Quill	86 mm
Spindle travel	120 mm
Head tilt left and right	± 45°
Vertical head rotation	± 90°
Head body rotation	± 180°
Vertical spindle speeds	[2] 60 ÷ 500 500 ÷ 3600 rpm
Motor	400 V 50 Hz 2.25 kW
Table movement motor	110V 50Hz 0.3 KW
Cooling pump	400V 50 Hz 0.4 KW
Distance between spindle nose and table	45 - 395 mm
Distance spindle axis - column surface	215-450 mm
Table dimensions	1246 x 230 mm
Longitudinal axis	850 mm
Cross axis	310 mm
Slot	16 mm
Dimensions	1680 x 1500 x 2100 h mm
Net weight	1000 kg



**F060**

€ 18650,00

VERTICAL MILLING MACHINE

ISO40, motorized cross table on all axes, 3 axis read out, belt gearbox

INCLUDED ACCESSORIES

- Base with chip tank
- Coolant system
- LED Lamp
- 3 Axis DRO
- Variable speed motorized axes with rapid function
- Round table flyers with neutral function
- Guide lubrication system with manual pump

Face milling cutter max	100 mm
End milling cutter max	35 mm
Max drilling capacity on cast iron with pre-drilling hole	60 mm
Max drilling capacity on steel with pre-drilling hole(s235jr)	24 mm
Spindle nose Camlock	ISO40 DIN2080
Quill	86 mm
Spindle travel	120 mm
Head tilt left and right	±45°
Vertical head rotation	±90°
Head body rotation	± 180°
Vertical spindle speeds	(2) 80 ÷ 650 660 ÷ 5440 rpm
Motor	400 V 50 Hz 2,25 kW
Table movement motor	110V 50Hz 0.3 KW
Cooling pump	400V 50 Hz 0.4 KW
Distance between spindle nose and table	45 - 395 mm
Distance spindle axis - column surface	215-450 mm
Table dimensions	1246 x 230 mm
Longitudinal axis	850 mm
Cross axis	310 mm
Slot	16 mm
Dimensions	1680 x 1500 x 2100 h mm
Net weight	1000 kg

**F050U**

€ 12800,00

UNIVERSAL MILLING MACHINE

Vertical and horizontal milling machine, ISO 40, motorized one axis cross table, 3 axis read out. Gear transmission for vertical spindle and belt transmission for horizontal spindle.

INCLUDED ACCESSORIES

- Base with chip tray
- Coolant system
- LED Lamp
- 3 Axis DRO
- Machine vise 160mm
- ISO40 ER32 8 Pcs Collet Chuck Set
- Reduction Sleeve ISO40 MT 3
- Key Type Drill Chuck 3-16mm B18
- Drill Arbor ISO40 B18
- Horizontal Milling Arbors 2 Pcs
- Draw Bars M16 ISO40 2 Pcs
- Motorized longitudinal axis with gears with quick movements
- Round table flyers with neutral function

Face milling cutter max	100 mm
End milling cutter max	32 mm
Max drilling capacity on cast iron with pre-drilling hole	50 mm
Max drilling capacity on steel with pre-drilling hole(s235jr)	30 mm
Spindle nose Camlock	ISO40 DIN2080
Quill	90 mm
Spindle travel	120 mm
Vertical head rotation	± 45°
Head body rotation	± 180°
Vertical spindle speeds	(8) 115 ÷ 1750 rpm
Horizontal spindle speeds	(9) 60 ÷ 1350 rpm
Motor	400 V 50 Hz 0.85 - 1.5 kW
Table movement motor	400V 50Hz 0.325 KW
Base dimensions	510 x 900 mm
Cooling pump	400V 50 Hz 0.4 KW
Distance between spindle nose and table	60 - 360 mm
Distance spindle axis - column surface	250 - 650 mm
Table dimensions	800 x 240 mm
Longitudinal axis	380 mm
Cross axis	220 mm
Slot	14 mm
Dimensions	1380 x 1200 x 2100 h mm
Net weight	930 kg



F050I
€ 14090,00
INVERTER MILLING MACHINE

Japanese inverter, vertical milling machine, ISO 40, motorized one axis cross table, 3 axis read out.

INCLUDED ACCESSORIES

- Base with chip tray
- Coolant system
- LED Lamp
- 3 Axis DRO
- Machine vise 160mm
- ISO40 ER32 8Pcs Collet Chuck Set
- Reduction Sleeve ISO40 MT3
- Key Type Drill Chuck 3-16mm/B18
- Drill Arbor ISO40 B18
- Draw Bars M16 2 pcs
- Motorized longitudinal axis with gears with quick movements
- Round table flyers with neutral function

Face milling cutter max	100 mm
End milling cutter max	32 mm
Max drilling capacity on cast iron with pre-drilling hole	50 mm
Max drilling capacity on steel with pre-drilling hole(s235jr)	30 mm
Spindle nose Camlock	ISO40 DIN2080
Quill	90 mm
Spindle travel	120 mm
Vertical head rotation	± 180°
Head body rotation	± 90°
Variable spindle speed	100 ÷ 2000 rpm
Motor	400 V 50 Hz 2,2 kW
Table movement motor	400V 50Hz 0.325 KW
Base dimensions	510 x 900 mm
Cooling pump	400V 50 Hz 0.4 KW
Distance spindle axis - column surface	60 - 360 mm
Distance between spindle nose and table	250 - 650 mm
Table dimensions	800 x 240 mm
Longitudinal axis	380 mm
Cross axis	220 mm
Slot	14 mm
Dimensions	1380 x 1200 x 2100
Net weight	930 kg


F050
€ 11740,00
MILLING MACHINE

Vertical milling machine, ISO 40, motorized one axis cross table, 3 axis read out.

INCLUDED ACCESSORIES

- Base with chip tray
- Coolant system
- LED Lamp
- 3 Axis DRO
- Machine vise 160mm
- ISO40 ER32 8Pcs Collet Chuck Set
- Reduction Sleeve ISO40 MT3
- Key Type Drill Chuck 3-16mm/B18
- Drill Arbor ISO40 B18
- Draw Bars M16 ISO40 2 Pcs
- Motorized longitudinal axis with gears with quick movements
- Round table flyers with neutral function

Face milling cutter max	100 mm
End milling cutter max	32 mm
Max drilling capacity on cast iron with pre-drilling hole	50 mm
Max drilling capacity on steel with pre-drilling hole(s235jr)	30 mm
Spindle nose Camlock	ISO40 DIN2080
Quill	90 mm
Spindle travel	120 mm
Vertical head rotation	± 45°
Head body rotation	± 180°
Variable spindle speed	(8) 115 ÷ 1750 rpm
Motor	400 V 50 Hz 0,85 - 1,5 kW
Table movement motor	400V 50Hz 0.325 KW
Base dimensions	510 x 900 mm
Cooling pump	400V 50 Hz 0.4 KW
Distance between spindle nose and table	60 - 360 mm
Distance spindle axis - column surface	250 - 650 mm
Table dimensions	800 x 240 mm
Longitudinal axis	380 mm
Cross axis	220 mm
Slot	14 mm
Dimensions	1380 x 1200 x 2100
Net weight	930 kg





T047/400VDA

€ 5070,00

GEARED MILLING DRILLING MACHINE

Reversible geared milling drilling machine, with automatic down feed, coolant system and reverse rotation

INCLUDED ACCESSORIES

- Self-locking chuck 1 ÷ 13 B16
- Drill chuck shank MT 4 B16
- Spindle taper shank MT 4 Ø 27 mm
- Reduction sleeve MT 4/3
- Reduction sleeve MT 3/2
- Oilers
- Tie rod M16
- Service keys

Max drilling capacity on cast iron with pre-drilling hole	Ø 40 mm
Drilling capacity:Steel C60	Ø 32 mm
Face milling cutter max	Ø 80 mm
End milling cutter max	Ø 25 mm
Tapping capacity	Ø 22 mm
Spindle taper	CM 4
Chuck sizes	1 - 16mm B16
Spindle speed	(12) 75 ÷ 3200 rpm
Spindle travel	130 mm
Spindle rotation	Dx - Sx
Quill	Ø 76 mm
Column	Ø 115 mm
Head tilt left and right	± 60°
Manual vertical feed division	0.02 mm
Feed range	(3) 0,1 - 0,18 - 0,26 mm/g
Distance between spindle nose and table	715 mm
Distance spindle axis - column surface	260 mm
Table dimensions	585 x 190 mm
Slot	14 mm
Longitudinal travel	360 mm
Cross travel	250 mm
Longitudinal axis	360 mm
Cross axis	250 mm
Base dimensions	648 x 412 mm
Motor	400 V 50 Hz 1,1 - 1,5 kW
Dimensions	740 x 790 x 1960 h mm
Net weight	365 kg



T047/230V & T047/400V

€ 4750,00

GEARED MILLING DRILLING MACHINE

Reversible with coolant system and temporised tapping

INCLUDED ACCESSORIES

- Self-locking chuck 1 ÷ 13 B16
- Drill chuck shank MT 4 B16
- Spindle taper shank MT 4 Ø 27 mm
- Reduction sleeve MT 4/3
- Reduction sleeve MT 3/2
- Oilers
- Tie rod M16
- Service keys

Max drilling capacity on cast iron with pre-drilling hole	Ø 40 mm
Drilling capacity:Steel C60	Ø 32 mm
Face milling cutter max	Ø 80 mm
End milling capacity	Ø 25 mm
Tapping capacity	Ø 22 mm
Spindle taper	CM 4
Spindle speed	(6) 75 ÷ 1600 rpm (12) 75 ÷ 3200 rpm
Spindle travel	130 mm
Spindle rotation	Dx - Sx
Quill	Ø 76 mm
Column	Ø 115 mm
Head tilt left and right	± 60°
Manual vertical feed division	0.02 mm
Distance spindle axis - column surface	260 mm
Distance between spindle nose and table	715 mm
Table dimensions	585 x 190 mm
Slot	12 mm
Longitudinal axis	360 mm
Cross axis	250 mm
Base dimensions	648 x 412 mm
Motor	230 V 50 Hz 1,5 kW 400 V 50 Hz 1,1 - 1,5 kW
Cooling pump	230v 50 Hz 0.4 kW 400v 50 Hz 0.4 kW
Dimensions	740 x 790 x 1960h mm
Net weight	355 kg



T044/230V & T044/400V
€ 4540,00
GEARED DRILLING MILLING MACHINE

Square column and dovetail guides, timed reversing, tapping

INCLUDED ACCESSORIES

- Chuck with key 1 ÷ 16 B16
- Drill chuck shank MT 4 B16
- Spindle taper shank MT 4 Ø 27 mm
- Reduction sleeve MT 4/3
- Reduction sleeve MT 3/2
- Oilers
- Tie rod M16
- Service keys

Max drilling capacity on cast iron with pre-drilling hole	Ø 40 mm
Max drilling capacity on steel with pre-drilling hole (s235jr)	Ø 45 mm
Face milling cutter max	Ø 80 mm
End milling capacity	Ø 32 mm
Tapping capacity	Ø 22 mm
Spindle taper	CM 4
Chuck sizes	1 - 16 mm B16
Spindle speed	(6) 95 ÷ 1600 rpm
Spindle travel	120 mm
Spindle rotation	Dx - Sx
Quill	Ø 75 mm
Head tilt left and right	± 60°
Manual vertical feed division	0,02 mm
Distance spindle axis - column surface	240 mm
Max distance spindle nose - table	460 mm
Table dimensions	800 x 240 mm
Slot	14 mm
Longitudinal axis	560 mm
Cross axis	190 mm
Base dimensions	405 x 630 mm
Motor	230 V 50 Hz 1,5 kW 400 V 50 Hz 1,5 kW
Net weight	300 kg


T059/28V
€ 4050,00
GEARED DRILLING MILLING MACHINE

Variable speed, with digital display of spindle speed and digital display of depth

INCLUDED ACCESSORIES

- Drill chuck with key 3 ÷ 16 mm B16
- Spindle drilled MT 3
- Oilcan
- Draw bar M12
- Service wrenches



Max drilling capacity on steel with pre-drilling hole(s235jr)	Ø 28 mm
Face milling cutter max	Ø 63 mm
End milling capacity	Ø 28 mm
Spindle taper	CM 3
Chuck sizes	1 - 13 mm B16
Spindle speed	100 ÷ 2500 rpm ±10%
Spindle rotation	L - R
Spindle stroke	70 mm
Quill	70 mm
Headstock travel	380 mm
Head tilt left and right	±90°
Table dimensions	730 x 210 mm
Slot	14 mm
Longitudinal axis	190 mm
Cross axis	440 mm
Motor	230 V 50 Hz 1,1 kW
Net weight	270 kg



**T061A**

€ 3150,00

GEARED DRILLING MILLING MACHINE

Variable speed, equipped with light system, chuck speed digital display, depth's digital display

Max drilling capacity on steel with pre-drilling holes(s235jr)	Ø 16 mm
Face milling cutter max	Ø 63 mm
End milling capacity	Ø 20 mm
Spindle taper	CM 3
Chuck sizes	1 - 16 mm B16
Variable spindle speed	I 30 ÷ 1650 rpm ±10% II 2° 40 ÷ 2850 rpm ±10%
Spindle stroke	50 mm
Spindle rotation	Dx - Sx
Quill	50 mm
Headstock travel	290 mm
Head tilt left and right	±90°
Distance between spindle nose and table	350 mm
Table dimensions	700 x 180 mm
Slot	12 mm
Longitudinal axis	175 mm
Cross axis	490 mm
Motor	230 V 50 Hz 1,1 kW
Net weight	120 kg

INCLUDED ACCESSORIES

- Drill chuck with key 1 ÷ 16 mm B16
- Drill chuck shank with hole MT 3
- Oilcan
- Draw bar M12
- Service wrenches

**T059/16V**

€ 2110,00

GEARED DRILLING MILLING MACHINE

With variable speed

INCLUDED ACCESSORIES

- Drill chuck with key 1 ÷ 13 mm B16
- Drill chuck shank with hole MT 2
- Oilcan
- Draw bar M10
- Service wrenches

Max drilling capacity on steel with pre-drilling holes(s235jr)	Ø 16 mm
Face milling cutter max	Ø 50 mm
End milling capacity	Ø 16 mm
Spindle taper	CM 2
Chuck sizes	1 - 13 mm B16
Spindle speed	I 100 ÷ 1500 rpm ±10% II 200 ÷ 3000 rpm ±10%
Spindle stroke	50 mm
Spindle rotation	Dx
Headstock travel	210 mm
Head tilt left and right	±90°
Table dimensions	400 x 120 mm
Slot	10 mm
Longitudinal axis	160 mm
Cross axis	220 mm
Motor	230 V 50 Hz 500 W
Net weight	72 kg

**T058**

€ 1700,00

GEARED DRILLING MILLING MACHINE

With variable speed

INCLUDED ACCESSORIES

- Drill chuck with key 3 ÷ 16 mm B16
- Drill chuck shank with hole MT 3
- Oilcan
- Tie rod M12
- Service wrenches

Max drilling capacity on steel with pre-drilling holes(s235jr)	Ø 13 mm
Face milling cutter max	Ø 30 mm
End milling capacity	Ø 16 mm
Spindle taper	CM 3
Chuck sizes	3 - 16 mm B16
Spindle speed	I 50 ÷ 1100 rpm ±10% II 120 ÷ 2500 rpm ±10%
Spindle rotation	Dx
Headstock travel	210 mm
Head tilt left and right	±45°
Table dimensions	430 x 110 mm
Distance between spindle nose and table	290 mm
Slot	12 mm
Longitudinal axis	130 mm
Cross axis	250 mm
Motor	230 V 50 Hz 0,55 kW
Net weight	70 kg



T073DA
€ 9540,00
FLOOR DRILLING MILLING MACHINE

With belt drive, down speed, reversible, cooling system.

INCLUDED ACCESSORIES

- Drill chuck with key 1 ÷ 13 mm B16
- Drill chuck shank MT 4 B16
- Spindle taper shank MT 4 Ø 27 mm
- Reduction sleeve MT 4/3
- Reduction sleeve MT 3/2
- Coolant system
- Tie rod M16
- Service keys

Max drilling capacity on cast iron with pre-drilling hole	40 mm
Max drilling capacity on steel with pre-drilling hole(s235jr)	32 mm
Face milling cutter max	80 mm
End milling cutter max	25 mm
Tapping capacity	24 mm
Spindle taper	CM 4
Chuck sizes	1 - 13 mm B16
Spindle speed	100 - 2200 rpm
Spindle travel	90 mm
Spindle rotation	Dx - Sx
Quill	75 mm
Column	123 mm
Manual vertical feed division	0,05 mm
Feed range	{3} 0,05 - 0,1 - 0,2 mm/rev
Distance spindle axis - column surface	300 mm
Distance between spindle nose and table	125 ÷ 525 mm
Table dimensions	730 x 210 mm
Slot	14 mm
Longitudinal axis	480 mm
Cross axis	220 mm
Base dimensions	470 x 680 mm
Motor	400 V 50 Hz 1,1 / 1,9 kW
Cooling pump	400 V 50 Hz 0.9 KW
Dimensions	850 x 1100 x 1900h mm
Net weight	420 kg


T073
€ 7770,00
FLOOR DRILLING MILLING MACHINE

With belt drive, reversible, cooling system.

INCLUDED ACCESSORIES

- Drill chuck with key 1 ÷ 13 mm B16
- Drill chuck shank MT 4 B16
- Spindle taper shank MT 4 Ø 27 mm
- Reduction sleeve MT 4/3
- Reduction sleeve MT 3/2
- Coolant system
- Tie rod M16
- Service keys

Max drilling capacity on cast iron with pre-drilling hole	40 mm
Max drilling capacity on steel with pre-drilling hole(s235jr)	32 mm
Face milling cutter max	80 mm
End milling cutter max	25 mm
Tapping capacity	24 mm
Spindle taper	CM 4
Chuck sizes	1 - 13 mm B16
Spindle speed	100 ÷ 2200 rpm
Spindle travel	130 mm
Spindle rotation	Dx - Sx
Quill	75 mm
Column	123 mm
Manual vertical feed division	0,05 mm
Distance spindle axis - column surface	300 mm
Distance between spindle nose and table	125 ÷ 525 mm
Table dimensions	730 x 210 mm
Slot	14 mm
Longitudinal axis	480 mm
Cross axis	220 mm
Base dimensions	470 x 680 mm
Motor	400 V 50 Hz 1,1/1,9 kW
Cooling pump	400 V 50 Hz 90 W
Dimensions	850 x 1100 x 1900h mm
Net weight	410 kg





T052/400VDA

€ 4590,00

FLOOR DRILLING MILLING MACHINE

With down feed, rotation selection and drive belt

INCLUDED ACCESSORIES

- Drill chuck with key 1 ÷ 16 B16
- Spindle drilled MT 3
- Spindle taper shank MT 3 Ø 27 mm
- Reduction sleeve MT 3/2
- Coolant system
- Oilers
- Tie rod M12
- Service keys

Max drilling capacity on steel with pre-drilling hole(s235jr)	32 mm
Face milling cutter max	80 mm
End milling cutter max	20 mm
Spindle taper	CM 3
Chuck sizes	1 - 13 mm B16
Spindle speed	125 ÷ 2500 rpm
Spindle travel	130 mm
Spindle rotation	Dx - Sx
Quill	75 mm
Column	115 mm
Headstock travel	405 mm
Manual vertical feed division	0,05 mm
Feed range	0,12 - 0,18 - 0,25 mm/g
Distance spindle axis - column surface	197 mm
Distance between spindle nose and table	600 mm
Table dimensions	585 x 190 mm
Slot	12 mm
Longitudinal axis	180 mm
Cross axis	380 mm
Base dimensions	470 x 670 mm
Motor	400 V 50 Hz 1,5 kW
Cooling pump	400v 50 Hz 0.4 KW
Dimensions	928 x 910 x 1700h mm
Net weight	310 kg



T052/400V

€ 3950,00

FLOOR DRILLING MILLING MACHINE

With rotation selection and drive belt

INCLUDED ACCESSORIES

- Drill chuck with key 1 ÷ 13 B16
- Spindle drilled MT 3
- Reduction sleeve MT 3/2
- Coolant system
- Oilers
- Tie rod M12
- Service keys

Max drilling capacity on steel with pre-drilling hole(s235jr)	32 mm
Face milling cutter max	80 mm
End milling cutter max	20 mm
Spindle taper	CM 3
Chuck sizes	1 - 13 mm B16
Spindle speed	125 ÷ 2500 rpm
Spindle travel	130 mm
Spindle rotation	Dx - Sx
Column	115 mm
Quill	75 mm
Headstock travel	405 mm
Manual vertical feed division	0,05 mm
Distance spindle axis - column surface	197 mm
Distance between spindle nose and table	600 mm
Table dimensions	585 x 190 mm
Slot	12 mm
Longitudinal axis	180 mm
Cross axis	380 mm
Base dimensions	470 x 670 mm
Motor	400 V 50 Hz 1,5 kW
Cooling pump	400v 50 Hz 0.4 KW
Dimensions	928 x 910 x 1700h mm
Net weight	300 kg



T046
€ 3420,00
DRILLING MILLING MACHINE

With rotation selection and drive belt

Max drilling capacity on steel with pre-drilling hole(s235jr)	32 mm
Face milling cutter max	80 mm
End milling cutter max	20 mm
Spindle taper	CM 3
Chuck sizes	1 - 13 mm B16
Spindle speed	100 ÷ 2080 rpm
Spindle travel	130 mm
Spindle rotation	Dx - Sx
Quill	Ø 75 mm
Column	Ø 115 mm
Headstock travel	405 mm
Manual vertical feed division	0,05 mm
Distance spindle axis - column surface	200 mm
Distance between spindle nose and table	457 mm
Table dimensions	730 x 210 mm
Slot	14 mm
Longitudinal axis	175 mm
Cross axis	500 mm
Motor	230 V 50 Hz 1,5 kW
Base dimensions	400 x 600 mm
Net weight	250 kg

INCLUDED ACCESSORIES

- Drill chuck with key 1 ÷ 13 B16
- Spindle drilled MT 3
- Spindle taper shank MT 3 Ø 27 mm
- Reduction sleeve MT 3/2
- Oilers
- Tie rod M12
- Service keys


T045
€ 2770,00
DRILLING MILLING MACHINE

With rotation selection and drive belt

Max drilling capacity on steel with pre-drilling hole(s235jr)	25 mm
Face milling cutter max	63 mm
End milling cutter max	13 mm
Spindle taper	CM 3
Chuck sizes	1 - 13 mm B16
Spindle speed	90 ÷ 2150 rpm
Spindle travel	100 mm
Spindle rotation	Dx
Quill	Ø 62 mm
Column	Ø 92 mm
Headstock travel	400 mm
Manual vertical feed division	0,03 mm
Distance spindle axis - column surface	200 mm
Distance between spindle nose and table	380 mm
Table dimensions	585 x 190 mm
Slot	14 mm
Longitudinal axis	160 mm
Cross axis	370 mm
Base dimensions	310 x 500 mm
Motor	230 V 50 Hz 1,1 kW
Net weight	195 kg

INCLUDED ACCESSORIES

- Drill chuck with key 1 ÷ 13 B16
- Spindle drilled MT 3
- Spindle taper shank MT 3 Ø 22 mm
- Reduction sleeve MT 3/2
- Oilers
- Tie rod M12
- Service keys


0599
€ 384,00
UNIVERSAL BENCH FOR DRILLING MILLING MACHINES

With tool compartment and lock

Base dimensions	415 x 625 x 750h mm
Chip pan dimensions	615 x 820 x 30h mm
Bottom Chip pan dimensions	530 x 735 mm
Capacity	400 kg
Net weight	59 kg

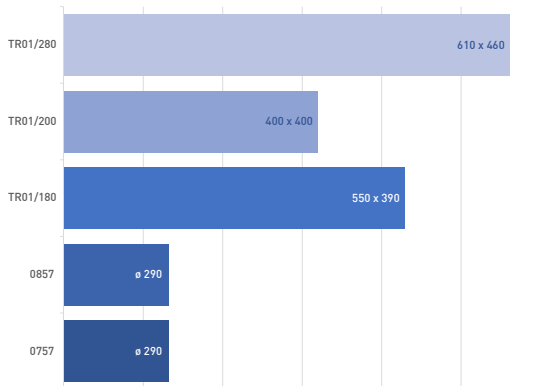




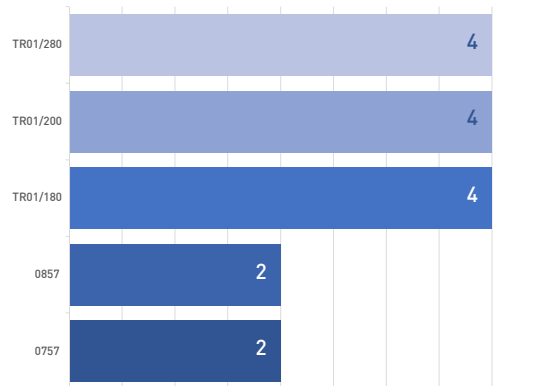
RADIAL DRILLING MACHINE



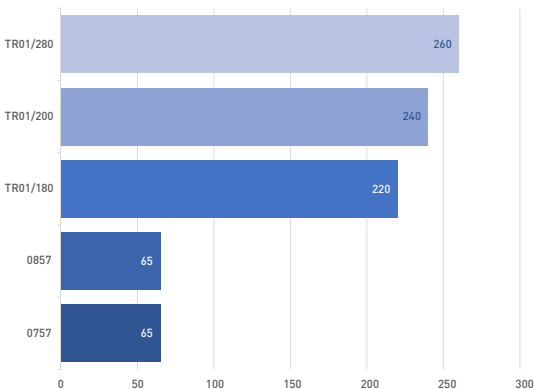
Table dimensions (mm)



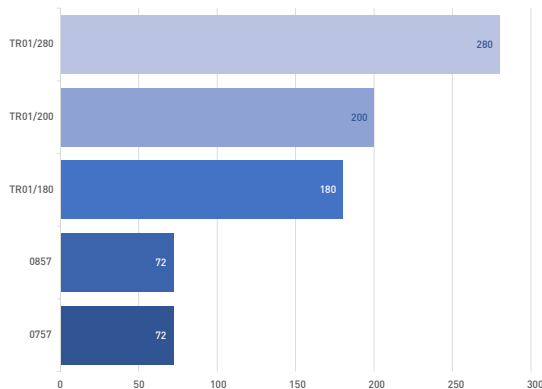
CM



Spindle travel (mm)



Column diameter (mm)



TR01/280
NEW € 25200,00
RADIAL DRILLING MACHINE

Hydraulic locking between arm and column, reversible, with automatic feeding, coolant system, equipped with Led light. With gear speed change

- 1 **Automatic ascent**
- 2 **Working lamp**
- 3 **Bloc**
- 4 **Automatic feeding**

INCLUDED ACCESSORIES

- Drill chuck with key 3 ÷ 13 mm B18
- Spindle drilled MT 4 B18
- Reduction sleeve MT 4/3
- Reduction sleeve MT 3/2
- LED Lamp
- Coolant system
- Base cube

Max drilling capacity on cast iron with pre-drilling hole	Ø 50 mm
Max drilling capacity on steel with pre-drilling hole(s235jr)	Ø 40 mm
Continuous drilling capacity	Ø 40 mm
Spindle taper	MT 4
Chuck sizes	
Spindle speed	(12) 40 ÷ 1896 rpm
Spindle travel	260 mm
Quill	Ø 67 mm
Column	280 mm
Distance spindle axis - column surface	1370 mm
Distance between spindle nose and table	840 mm
Distance between spindle nose and base	1210 mm
Feed range	(4) 0.13 ÷ 0.54 mm/rev
Cube dimensions	610 x 460 x 370 mm
Slot	16 mm 20 mm
Base dimensions	1960 x 800 mm
Motor	400 V 50 Hz 3,0 kW
Lifting motor radial arm	400 V 50 Hz 750 W
Cooling pump	400 V 50 Hz 90 W
Dimensions	2050 x 820 x 2480 mm
Net weight	2100 kg



TR01/200

€ 17450,00

RADIAL DRILLING MACHINE

Reversible, with automatic feeding, coolant system, equipped with Led light. With gear speed change

- 1 **Automatic ascent**
- 2 **Working lamp**
- 3 **Bloc**
- 4 **Automatic feeding**

INCLUDED ACCESSORIES

- Drill chuck with key 3 ÷ 13 mm B18
- Spindle drilled MT 4 B18
- Reduction sleeve MT 4/3
- Reduction sleeve MT 3/2
- LED Lamp
- Coolant system
- Base cube

Max drilling capacity on cast iron with pre-drilling hole	50 mm
Max drilling capacity on steel with pre-drilling hole(s235jr)	40 mm
Continuous drilling capacity	36 mm
Spindle taper	MT 4
Chuck sizes	3 ÷ 13 mm B18
Spindle speed	(6) 75 ÷ 1220 rpm
Spindle travel	240 mm
Quill	70 mm
Column	200 mm
Distance spindle axis - column surface	1020 mm
Distance between spindle nose and table	860 mm
Distance between spindle nose and base	1210 mm
Feed range	(3) 0,1 - 0,16 - 0,25 mm/rev
Cube dimensions	400 x 400 x 350 mm
Slot	18 mm
Base dimensions	1370 x 700 mm
Motor	400 V 50 Hz 1,5 kW
Lifting motor radial arm	400 V 50 Hz 750 W
Cooling pump	400 V 50 Hz 90 W
Dimensions	1760 x 770 x 2100h mm
Net weight	1250 kg



TR01/180
€ 11200,00
RADIAL DRILLING MACHINE

Reversible, with automatic feeding, coolant system, equipped with Led light. With gear speed change

- 1 Working lamp
- 2 Bloc
- 3 Automatic feeding

INCLUDED ACCESSORIES

- Drill chuck with key 3 ÷ 16 mm B16
- Spindle drilled MT 4 B16
- Reduction sleeve MT 4/3
- LED Lamp
- Coolant system
- Base cube

Max drilling capacity on cast iron with pre-drilling hole	40 mm
Max drilling capacity on steel with pre-drilling hole(s235jr)	32 mm
Continuous drilling capacity	28 mm
Spindle taper	MT 4
Chuck sizes	3 ÷ 16 mm B16
Spindle speed	(6) 75 ÷ 1220 rpm
Spindle travel	220 mm
Quill	65 mm
Column	180 mm
Distance spindle axis - column surface	350 ÷ 870 mm
Distance between spindle nose and table	0 ÷ 640 mm
Distance between spindle nose and base	310 ÷ 980 mm
Feed range	(3) 0,1 - 0,16 - 0,25 mm/rev
Cube dimensions	550 x 390 x 350 mm
Slot	18 mm
Base dimensions	1300 x 650 mm
Motor	400 V 50 Hz 1,5 kW
Lifting motor radial arm	400V 50 Hz 0,55 kW
Cooling pump	400V 50 Hz 0,40 kW
Dimensions	1400 x 650 x 1900 h mm
Net weight	1050 kg



0857

€ 916,00

RADIAL FLOOR DRILL PRESS WITH DRIVE BELT

Rotating and tilting table with double arm, tilting head, electrical system with separate 24V circuit for on-board machine controls.

INCLUDED ACCESSORIES

- Keyless chuck Ø16 mm B16
- Chuck mount MT 2



Max drilling capacity on cast iron with pre-drilling hole	Ø 20 mm
Max drilling capacity on steel with pre-drilling hole(s235jr)	Ø 16 mm
Continuous drilling capacity	Ø 12 mm
Spindle taper	CM 2
Chuck sizes	1 - 16 mm B16
Spindle speed	(12) 300 ÷ 2550 rpm
Spindle travel	65 mm
Quill	Ø 40 mm
Column	Ø 72 mm
Sliding travel	280 mm
Head tilt left and right	90° L ; 45° R
Height	1600 mm
Distance spindle axis - column surface	375 mm
Distance between spindle nose and base	1290 mm
Table dimensions	Ø 290 mm
Motor	230 V 50 Hz 0,375 kW
Dimensions	950 x 300 x 1600 mm
Net weight	60 kg



0757

€ 700,00

RADIAL DRILL PRESS WITH DRIVE BELT

Rotating and tilting table with double arm, tilting head, electrical system with separate 24V circuit for on-board machine controls.

INCLUDED ACCESSORIES

- Keyless chuck 1 ÷ 16 B16
- Drill chuck shank MT 2



Max drilling capacity on cast iron with pre-drilling hole	Ø 20 mm
Max drilling capacity on steel with pre-drilling hole(s235jr)	Ø 16 mm
Continuous drilling capacity	Ø 12 mm
Spindle taper	CM 2
Chuck sizes	2 - Ø 16 mm
Spindle speed	(12) 300 ÷ 2550 rpm
Spindle travel	65 mm
Quill	Ø 40 mm
Column	Ø 72 mm
Sliding travel	280 mm
Head tilt left and right	90° L ; 45° R
Height	810 mm
Distance spindle axis - column surface	375 mm
Distance between spindle nose and base	505 mm
Table dimensions	Ø 290 mm
Tilting table	± 45°
Motor	230 V 50 Hz 0,375 kW
Dimensions	950 x 300 x 810h mm
Net weight	46 kg



FLOOR DRILLING MACHINES

T145



T066



T062



T041/..



T072DA



T072



T032DA



T032



T071



0252/..



0754/..



0752CM3



0752



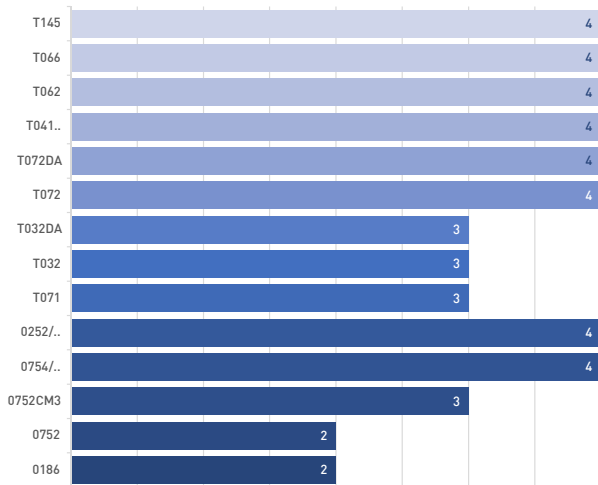
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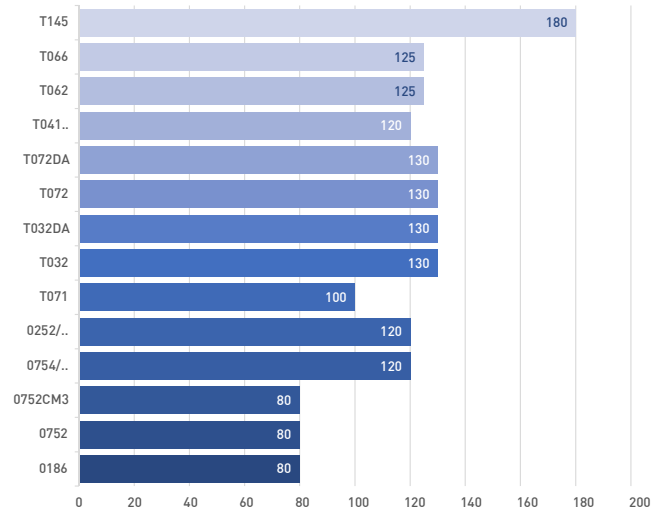


FLOOR DRILLING MACHINES

CM



Spindle travel (mm)



Column diameter (mm)

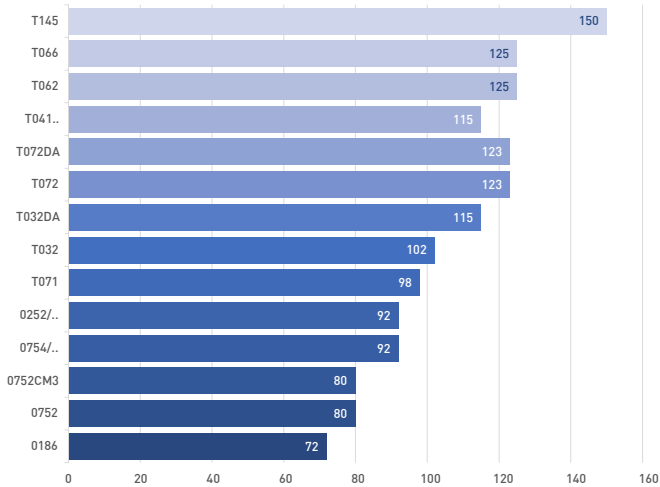
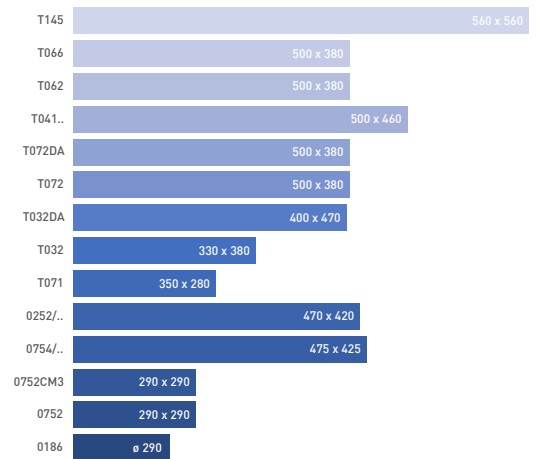


Table dimensions (mm)



T145
€ 8500,00
DRILLING MACHINE

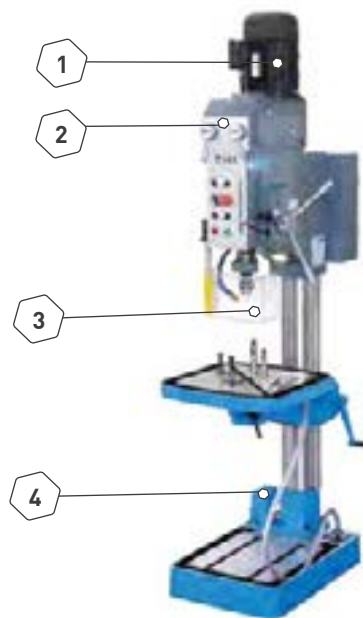
Reversible, with automatic feeding, coolant system and equipped with light, partially rotating table.

- 1** Induction motor
- 2** Gearbox levers
- 3** Chuck safeguard
- 4** Cooling pump

INCLUDED ACCESSORIES

- Key type drill chuck 1- 13 mm B16
- Drill chuck arbor MT4 B16
- Reduction sleeve MT 4/3
- Reduction sleeve MT 3/2

Max drilling capacity on cast iron with pre-drilling hole	Ø 45 mm
Max drilling capacity on steel with pre-drilling hole(s235jr)	Ø 40 mm
Continuous drilling capacity	Ø 35 mm
Spindle taper	MT 4
Chuck sizes	1 ÷ 13 mm B16
Spindle speed	(18) 50 ÷ 1450 rpm
Spindle travel	180 mm
Spindle rotation	Dx - Sx
Quill	Ø 75 mm
Column	Ø 150 mm
Feed range	(2) 0,1 - 0,20 mm/g
Distance spindle axis - column surface	350 mm
Distance between spindle nose and table	780 mm
Distance between spindle nose and base	1320 mm
Table dimensions	560 x 560 mm
Slot	18 mm
Tilting table	±90°
Base dimensions	500 x 730 mm
Motor	400 V 50 Hz 1,2 / 2,2 kW
Cooling pump	400 V 50 Hz 40 W
Dimensions	935 x 530 x 2280 mm
Net weight	550 kg


T066
€ 5760,00
DRILLING MACHINE

Reversible, with automatic feeding, coolant system, reversible table with 145mm vice included, equipped with light.

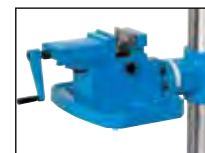
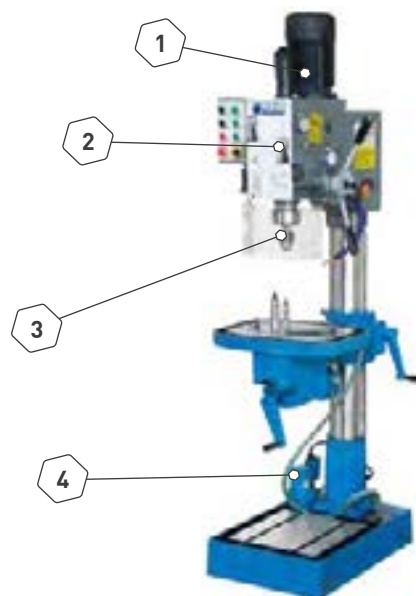
- 1** Induction motor
- 2** Gearbox levers
- 3** Chuck safeguard
- 4** Cooling pump

INCLUDED ACCESSORIES

- Drill chuck with key 1 ÷ 13 mm B16
- Spindle drilled MT 4 B16
- Reduction sleeve MT 4/3
- Reduction sleeve MT 3/2



Max drilling capacity on cast iron with pre-drilling hole	Ø 40 mm
Max drilling capacity on steel with pre-drilling hole(s235jr)	Ø 35 mm
Continuous drilling capacity	Ø 30mm
Spindle taper	MT 4
Chuck sizes	1 ÷ 13 mm B16
Spindle speed	(12) 75 ÷ 3200 rpm
Spindle travel	125 mm
Spindle rotation	Dx - Sx
Quill	Ø 75 mm
Column	Ø 125 mm
Feed range	(3) 0,1 - 0,18 - 0,26 mm/g
Distance spindle axis - column surface	320 mm
Distance between spindle nose and table	80-680 mm
Distance between spindle nose and base	1140 mm
Table dimensions	500 x 380 mm
Slot	14 mm
Tilting table	±90°
Vice	125 mm
Base dimensions	470 x 670 mm
Motor	400 V 50 Hz 1,1/1,5 kW
Cooling pump	400 V 50 Hz 40 W
Dimensions	500 x 750 x 2000 mm
Net weight	400 kg



T062

€ 4840,00

GEARED DRILLING MACHINE

Reversible, table reversible with 145mm vice, equipped with light.

- 1 **Induction motor**
- 2 **Gearbox levers**
- 3 **Chuck safeguard**
- 4 **Tilting table with vice included**

INCLUDED ACCESSORIES

- Drill chuck with key 1 ÷ 13 mm B16
- Spindle drilled MT 4 B16
- Reduction sleeve MT 4/3
- Reduction sleeve MT 3/2

Max drilling capacity on cast iron with pre-drilling hole	Ø 40 mm
Max drilling capacity on steel with pre-drilling hole(s235jr)	Ø 35 mm
Continuous drilling capacity	Ø 30 mm
Spindle taper	MT 4
Chuck sizes	1 ÷ 13 mm B16
Spindle speed	(12) 75 ÷ 3200 rpm
Spindle travel	125 mm
Spindle rotation	Dx - Sx
Quill	Ø 75 mm
Column	Ø 125 mm
Distance spindle axis - column surface	320 mm
Distance between spindle nose and table	80 ÷ 680 mm
Distance between spindle nose and base	1140 mm
Table dimensions	500 x 380 mm
Slot	14 mm
Tilting table	±90°
Vice	125 mm
Base dimensions	460 x 650 mm
Motor	400 V 50 Hz 1,1/1,5 kW
Dimensions	500 x 750 x 2000 mm
Net weight	350 kg



T041DA

€ 4740,00

GEARED DRILLING MACHINE

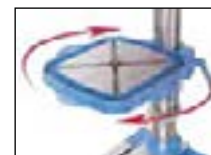
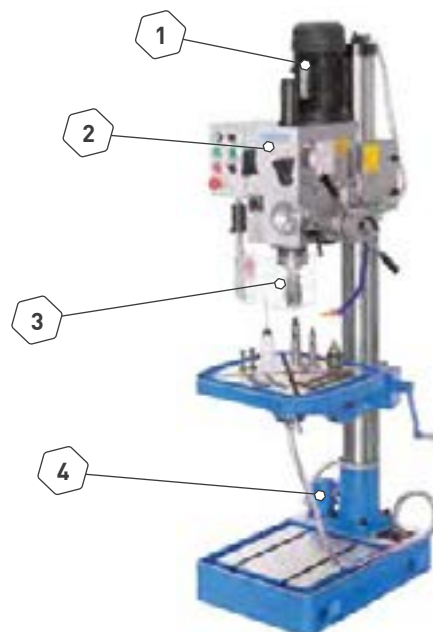
Reversible, tilting head, cooling system, timed tapping and automatic down feed, partially rotating table

- 1 **Induction motor**
- 2 **Gearbox levers**
- 3 **Chuck safeguard**
- 4 **Cooling pump**

INCLUDED ACCESSORIES

- Keyless chuck 1 ÷ 16 B16
- Drill chuck shank MT 4
- Reduction sleeve MT 4/3
- Reduction sleeve MT 3/2

Max drilling capacity on cast iron with pre-drilling hole	Ø 40 mm
Max drilling capacity on steel with pre-drilling hole(s235jr)	Ø 35 mm
Continuous drilling capacity	Ø 30 mm
Tapping capacity	Ø 22 mm
Spindle taper	MT 4
Chuck sizes	1 ÷ 16 B16
Spindle speed	(12) 75 ÷ 3200 rpm
Spindle travel	120 mm
Spindle rotation	Dx - Sx
Head tilt left and right	±60°
Quill	Ø 76 mm
Column	Ø 115 mm
Feed range	(3) 0,1 - 0,18 - 0,26 mm/g
Distance spindle axis - column surface	297 mm
Distance between spindle nose and table	715 mm
Distance between spindle nose and base	1180 mm
Table dimensions	500 x 460 mm
Slot	14 mm
Base dimensions	470 x 670 mm
Motor	400 V 50 Hz 1,1/1,5 kW
Dimensions	700 x 480 x 1850 mm
Net weight	340 kg



T041
€ 4420,00
GEARED DRILLING MACHINE

Reversible, tilting head and timed tapping, partially rotating table

- 1 **Induction motor**
- 2 **Gearbox levers**
- 3 **Included vice**

INCLUDED ACCESSORIES

- Keyless chuck 1 ÷ 16 B16
- Drill chuck shank MT 4
- Reduction sleeve MT 4/3
- Reduction sleeve MT 3/2

Max drilling capacity on cast iron with pre-drilling hole	Ø 40 mm
Max drilling capacity on steel with pre-drilling hole(s235jr)	Ø 35 mm
Continuous drilling capacity	Ø 30 mm
Tapping capacity	22 mm
Spindle taper	CM 4
Chuck sizes	1 ÷ 16 B16
Spindle speed	(12) 75 ÷ 3200 rpm
Spindle travel	120 mm
Spindle rotation	Dx - Sx
Head tilt left and right	±60°
Quill	Ø 76 mm
Column	Ø 115 mm
Distance spindle axis - column surface	297 mm
Distance between spindle nose and table	715 mm
Distance between spindle nose and base	1180 mm
Table dimensions	500 x 460 mm
Slot	14 mm
Base dimensions	650 x 450 x 80 mm
Motor	400 V 50 Hz 1,1/1,5 kW
Dimensions	700 x 480 x 1820 mm
Net weight	330 kg


T072DA
€ 7990,00
FLOOR DRILLING MACHINE WITH DRIVE BELT

Reversible, with automatic feeding, coolant system, reversible table with 140mm vice.

- 1 **Induction motor**
- 2 **Chuck safeguard**
- 3 **Tilting table with vice included**

INCLUDED ACCESSORIES

- Drill chuck with key 1 ÷ 13 mm B16
- Drill chuck shank MT 4 B16
- Morse taper reduction sleeve MT 4/3
- Morse taper reduction sleeve MT 3/2

Max drilling capacity on cast iron with pre-drilling hole	Ø 38 mm
Max drilling capacity on steel with pre-drilling hole(s235jr)	Ø 32 mm
Continuous drilling capacity	Ø 28 mm
Spindle taper	MT 4
Chuck sizes	1 ÷ 13 B16
Spindle speed	100 ÷ 2200 rpm
Spindle travel	130 mm
Quill	75 mm
Column	123 mm
Manual vertical feed division	0,05 mm
Feed range	(3) 0,05 - 0,1 - 0,2 mm/rev
Distance between spindle nose and table	300 mm
Distance between spindle nose and base	1220 mm
Table dimensions	500 x 380 mm
Slot	14 mm
Tilting table	±90°
Vice	125 mm
Base dimensions	460 x 670 mm
Motor	400 V 50 Hz 1,1/1,9 kW
Cooling pump	400 V 50 Hz 90 W
Dimensions	700 x 1100 x 1900 mm
Net weight	385 kg



T072

€ 6460,00

FLOOR DRILLING MACHINE WITH BELT DRIVE

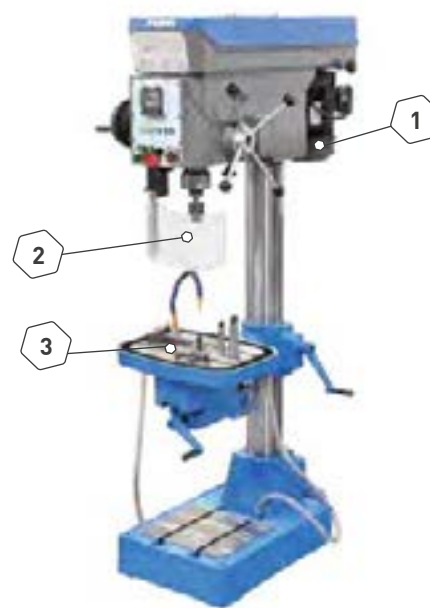
Reversible, table reversible with 140mm vice, cooling system.

- 1 **Induction motor**
- 2 **Chuck safeguard**
- 3 **Tilting table with vice included**

INCLUDED ACCESSORIES

- Drill chuck with key 1 ÷ 13 mm B16
- Drill chuck shank MT 4 B16
- Morse taper reduction sleeve MT 4/3
- Morse taper reduction sleeve MT 3/2

Max drilling capacity on cast iron with pre-drilling hole	Ø 38 mm
Drilling capacity:Steel C60	Ø 32 mm
Continuous drilling capacity	Ø 28 mm
Spindle taper	4
Chuck sizes	1 ÷ 13 mm B16
Spindle speed	100 - 2200 rpm
Spindle travel	130 mm
Quill	75 mm
Column	123 mm
Manual vertical feed division	0,05 mm
Distance spindle axis - column surface	300 mm
Distance between spindle nose and table	50 ÷ 800 mm
Distance between spindle nose and base	1220 mm
Table dimensions	500 x 380 mm
Slot	14 mm
Tilting table	±90°
Vice	125 mm
Base dimensions	610 x 670 mm
Motor	400 V 50 Hz 1,1 - 1,9 kW
Cooling pump	400 V 50 Hz 90 W
Dimensions	700 x 1100 x 1900 mm
Net weight	375 kg



T032DA

€ 3850,00

FLOOR DRILL PRESS WITH DRIVE BELT

With autofee, coolant system, partially rotating table, with 125mm vice.

- 1 **Induction motor**
- 2 **Chuck safeguard**
- 3 **Included vice**
- 4 **Adjustable table**

INCLUDED ACCESSORIES

- Drill chuck with key 1 ÷ 16 B18
- Spindle drilled MT 3
- Reduction sleeve MT 3/2

Max drilling capacity on cast iron with pre-drilling hole	Ø 31,75 mm
Max drilling capacity on steel with pre-drilling hole(s235jr)	Ø 31,75 mm
Continuous drilling capacity	Ø 25 mm
Spindle taper	MT 3
Chuck sizes	1 ÷ 16 B18
Spindle speed	(8) 160 ÷ 2200 rpm
Spindle travel	130 mm
Column	Ø 115 mm
Feed range	0,1- 0,16- 0,26 mm/giro
Distance spindle axis - column surface	223 mm
Distance between spindle nose and table	696 mm
Distance between spindle nose and base	1135 mm
Table dimensions	400 x 470 mm
Travel of table	510 mm
Slot	14 mm
Base dimensions	400 x 310 mm
Motor	400 V 50 Hz 0,85 kW / 1,1 kW
Cooling pump	400 V 50 Hz 40 W
Dimensions	900 x 545 x 1765 mm
Net weight	350 kg



T032
€ 3050,00
FLOOR DRILL PRESS WITH DRIVE BELT

Partially rotating table, with 125mm vice

- 1** Induction motor
- 2** Gearbox levers
- 3** Induction motor
- 4** Chuck safeguard

INCLUDED ACCESSORIES

- Drill chuck with key 1 ÷ 16 B18
- Spindle drilled MT 3
- Reduction sleeve MT 3/2

Max drilling capacity on cast iron with pre-drilling hole	Ø 31,75 mm
Max drilling capacity on steel with pre-drilling hole(s235jr)	Ø 31,75 mm
Spindle taper	MT 3
Continuous drilling capacity	Ø 25 mm
Chuck sizes	1 ÷ 16 B18
Spindle speed	(9) 160 ÷ 1880 rpm
Spindle travel	130 mm
Column	Ø 102 mm
Distance spindle axis - column surface	230 mm
Distance between spindle nose and table	700 mm
Distance between spindle nose and base	1175 mm
Table dimensions	330 x 380 mm
Travel of table	670 mm
Slot	14 mm
Base dimensions	300 x 325 mm
Motor	400V 50Hz 1,5 kW
Dimensions	900 x 430 x 1760 mm
Net weight	340 kg


T071
€ 3170,00
FLOOR DRILLING MACHINE WITH DRIVE BELT

Reversible, with tapping function, reversible table with 120mm vice.

- 1** Induction motor
- 2** Gearbox levers
- 3** Tilting table with vice included
- 4** Chuck safeguard

INCLUDED ACCESSORIES

- Drill chuck with key 1 ÷ 13 mm B16
- Drill chuck shank MT 3 B16
- Morse taper reduction sleeve MT 3/2
- Morse taper reduction sleeve MT 2/1

Max drilling capacity on cast iron with pre-drilling hole	Ø 30 mm
Max drilling capacity on steel with pre-drilling hole(s235jr)	Ø 28 mm
Continuous drilling capacity	Ø 25 mm
Spindle taper	3
Chuck sizes	1 ÷ 13 mm B16
Spindle speed	(16) 127 ÷ 2380 rpm
Spindle travel	100 mm
Quill	Ø 62 mm
Column	Ø 98 mm
Distance spindle axis - column surface	203 mm
Distance between spindle nose and table	145-895 mm
Distance between spindle nose and base	1200 mm
Table dimensions	350 x 280 mm
Slot	12 mm
Tilting table	±90°
Vice	90 mm
Base dimensions	410 x 560 mm
Motor	400 V 50 Hz 0,5 / 1 kW
Dimensions	530 x 820 x 1700 mm
Net weight	200 kg



0252/230V & 0252/400V

€ 1880,00

FLOOR DRILL PRESS WITH DRIVE BELT

New belt tension device, reversible table with integrated sliding vice, drilling depth readout, Led light included.

- 1 Working light
- 2 Table lifting wheel
- 3 Casted head
- 4 Tilting base with integrated sliding vice

INCLUDED ACCESSORIES

- Keyless chuck 1 ÷ 16 B16
- Drill chuck shank MT 4

Max drilling capacity on cast iron with pre-drilling hole	Ø 32 mm
Max drilling capacity on steel with pre-drilling hole(s235jr)	Ø 28 mm
Continuous drilling capacity	Ø 20 mm
Spindle taper	4
Chuck sizes	1 - 16 mm B16
Spindle speed	(12) 150 ÷ 2450 rpm
Spindle travel	120 mm
Quill	Ø 62 mm
Column	Ø 92 mm
Height	1720 mm
Distance spindle axis - column surface	255 mm
Distance between spindle nose and table	700 mm
Table dimensions	470 x 420 mm
Distance between spindle nose and base	1220 mm
Slot	14 mm
Vice	120 x 155 mm
Motor	230 V 50 Hz 1,5 kW 400 V 50 Hz 1,5 kW
Net weight	135 kg



0754/230V & 0754/400V

€ 1620,00

FLOOR DRILL PRESS WITH DRIVE BELT

Inclinable table

- 1 Induction motor
- 2 Table lifting wheel
- 3 Casted head
- 4 Tilting base

INCLUDED ACCESSORIES

- Keyless chuck 5 - 20 mm B22
- Drill chuck shank MT 4

Max drilling capacity on cast iron with pre-drilling hole	Ø 32 mm
Max drilling capacity on steel with pre-drilling hole(s-235jr)	Ø 28 mm
Continuous drilling capacity	Ø 20 mm
Spindle taper	CM 4
Chuck sizes	5 - 20 mm B22
Spindle speed	(12) 150 ÷ 2450 rpm
Spindle travel	120 mm
Quill	Ø 62 mm
Column	Ø 92 mm
Height	1710 mm
Distance spindle axis - column surface	260 mm
Table dimensions	475 x 425 mm
Slot	14 mm
Tilting table	± 45°
Motor	230 V 50 Hz 1,5 kW 400 V 50 Hz 1,5 kW
Net weight	125 kg



0752CM3
€ 1010,00
FLOOR DRILL PRESS WITH DRIVE BELT

Rotating and inclinable table. Electrical system with separate 24V circuit for on-board machine controls.


0752
€ 947,00
CM2 Ø 16 mm

INCLUDED ACCESSORIES

- Keyless chuck 1 ÷ 16 B18
- Drill chuck shank MT 3
- Cones remover
- Allen keys

Max drilling capacity on cast iron with pre-drilling hole	Ø 25 mm
Max drilling capacity on steel with pre-drilling hole(s235jr)	Ø 20 mm
Continuous drilling capacity	Ø 16 mm
Spindle taper	CM 3
Chuck sizes	1 - 16 mm / B16
Spindle speed	(16) 220 ÷ 2840 rpm
Spindle travel	80 mm
Quill	Ø 47 mm
Column	Ø 80 mm
Height	1630 mm
Distance spindle axis - column surface	175 mm
Distance between spindle nose and table	420 mm
Distance between spindle nose and base	1190 mm
Table dimensions	290 x 290 mm
Slot	16 mm
Tilting table	± 45°
Turning table	Yes
Base dimensions	460 x 275 mm
Motor	230 V 50 Hz 0,75 kW
Dimensions	300 X 630 X 1630h mm
Net weight	62 kg

0186
€ 840,00
FLOOR DRILL PRESS WITH DRIVE BELT

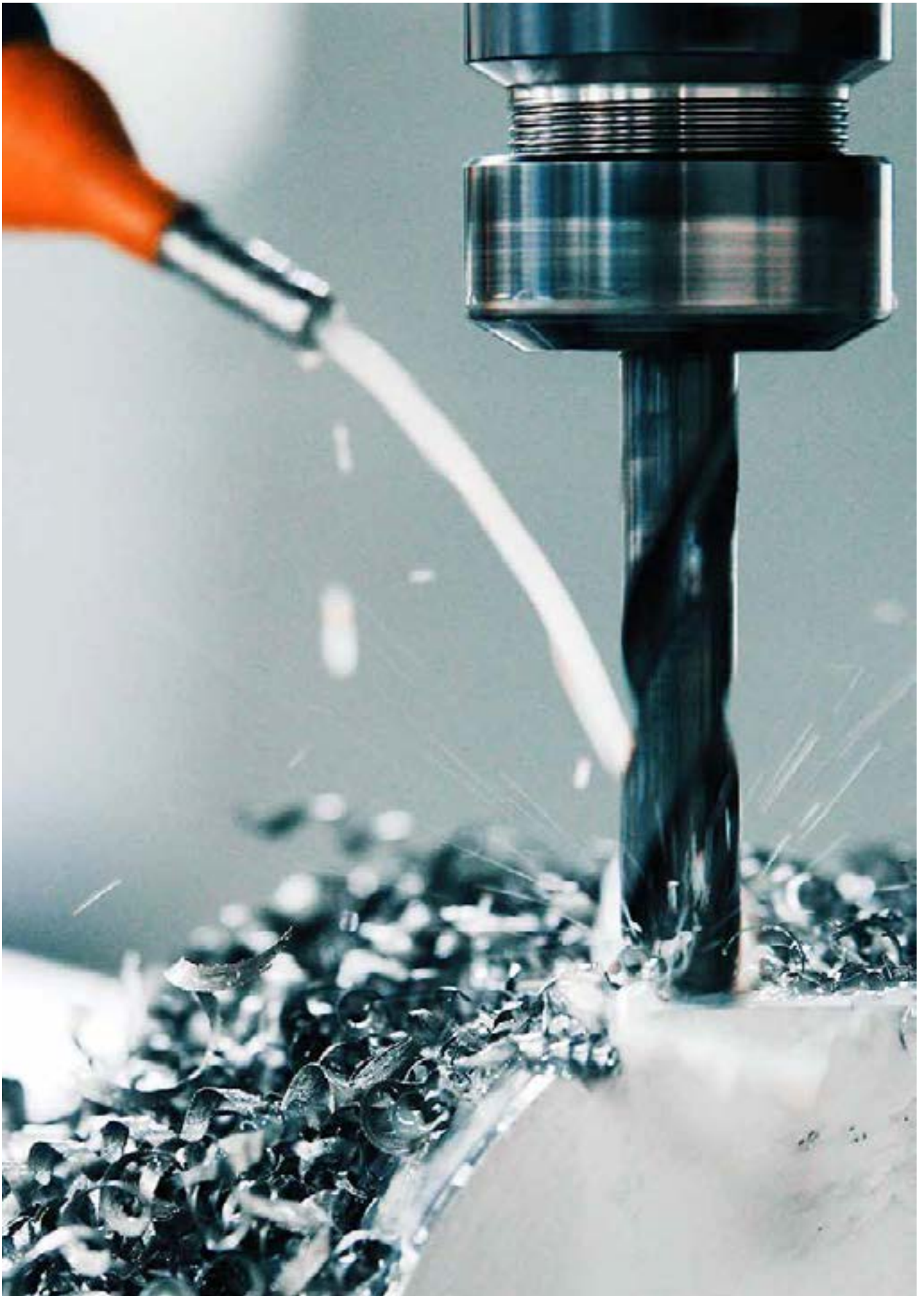
Inclinable and rotating table. Electrical system with separate 24V circuit for on-board machine controls.


INCLUDED ACCESSORIES

- Keyless chuck 1 ÷ 16 B16
- Drill chuck shank MT 2

Max drilling capacity on cast iron with pre-drilling hole	Ø 20 mm
Max drilling capacity on steel with pre-drilling hole(s235jr)	Ø 16 mm
Continuous drilling capacity	Ø 12 mm
Spindle taper	CM 2
Chuck sizes	1 - 16 mm B16
Spindle speed	(12) 280 ÷ 2380 rpm
Spindle travel	80 mm
Quill	Ø 40 mm
Column	Ø 72 mm
Height	1580 mm
Distance spindle axis - column surface	160 mm
Distance between spindle nose and base	1110 mm
Table dimensions	Ø 290 mm
Tilting table	± 45°
Motor	230 V 50 Hz 0,65 kW
Net weight	50 kg



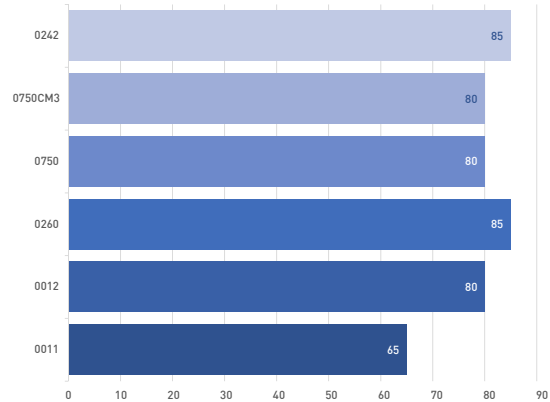
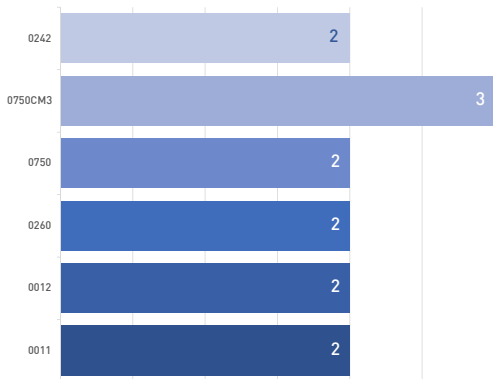


BENCH DRILL PRESSES

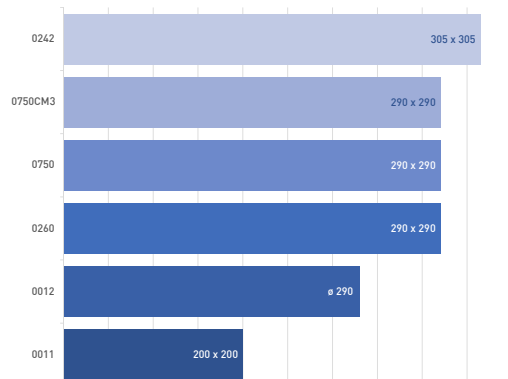
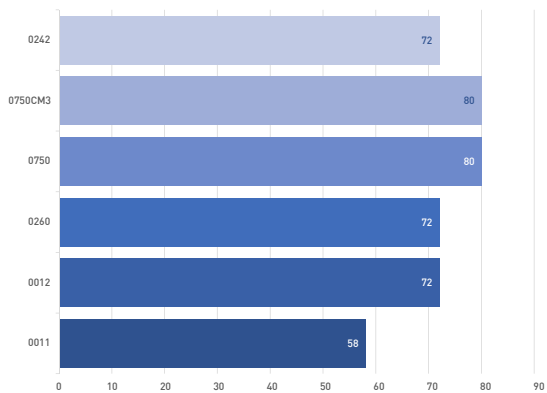


CM

Spindle travel (mm)



Column diameter (mm)





0242

€ 904,00

DRILL PRESS WITH DRIVE BELT

New belt tension device, drilling depth readout, Led light included, rotating and inclinable table. Electrical system with separate 24V circuit for on-board machine controls.

- 1 Induction motor
- 2 Table lifting wheel
- 3 Working lamp
- 4 Tilting base

INCLUDED ACCESSORIES

- Keyless chuck 1 ÷ 16 B18
- Drill chuck shank MT 2

Max drilling capacity on cast iron with pre-drilling hole	Ø 25 mm
Max drilling capacity on steel with pre-drilling hole(s235jr)	Ø 20 mm
Continuous drilling capacity	Ø 16 mm
Spindle taper	CM 2
Chuck sizes	1 - 16 mm B18
Spindle speed	(16) 180 ÷ 2770 rpm
Spindle travel	85 mm
Quill	Ø 47 mm
Column	Ø 72 mm
Height	990 mm
Distance spindle axis - column surface	180 mm
Distance between spindle nose and table	420 mm
Distance between spindle nose and base	600 mm
Table dimensions	305 x 305 mm
Slot	16 mm
Tilting table	± 45°
Motor	230 V 50 Hz 0,75 kW
Net weight	60 kg



0750CM3

€ 898,00

DRILL PRESS WITH DRIVE BELT

Rotating and inclinable table. Electrical system with separate 24V circuit for on-board machine controls.

- 1 Induction motor
- 2 Table lifting wheel
- 3 Tilting base

INCLUDED ACCESSORIES

- Keyless chuck 1 ÷ 16 B16
- Drill chuck shank MT 2
- Cones remover
- Allen keys

Max drilling capacity on cast iron with pre-drilling hole	Ø 25 mm
Max drilling capacity on steel with pre-drilling hole(s235jr)	Ø 20 mm
Continuous drilling capacity	Ø 16 mm
Spindle taper	CM 3
Chuck sizes	1 - 16 mm B16
Spindle speed	(16) 220 ÷ 2840 rpm
Spindle travel	80 mm
Quill	Ø 47 mm
Column	Ø 80 mm
Height	980 mm
Table dimensions	290 x 290 mm
Distance spindle axis - column surface	175 mm
Distance between spindle nose and table	420 mm
Distance between spindle nose and base	600 mm
Slot	14 mm
Tilting table	± 45°
Turning table	Yes
Base dimensions	460 x 275 mm
Motor	230 V 50 Hz 0,75 kW
Dimensions	300 x 630 x 990h mm
Net weight	57 kg

0750

€ 847,00

CM2 Ø 16 mm



0260
€ 797,00
DRILL PRESS WITH DRIVE BELT

New belt tension device, drilling depth readout, Led light included, rotating and inclinable table. Electrical system with separate 24V circuit for on-board machine controls.

- 1 **Induction motor**
- 2 **Table lifting wheel**
- 3 **Working lamp**
- 4 **Tilting and swivel base**

INCLUDED ACCESSORIES

- Keyless chuck 1 ÷ 16 B16
- Drill chuck shank MT 2

Max drilling capacity on cast iron with pre-drilling hole	Ø 20 mm
Max drilling capacity on steel with pre-drilling hole(s235jr)	Ø 16 mm
Continuous drilling capacity	Ø 12 mm
Spindle taper	CM 2
Chuck sizes	1 - 16 mm B16
Spindle speed	(16) 180 ÷ 2770 rpm
Spindle travel	85 mm
Quill	Ø 40 mm
Column	Ø 72 mm
Height	980 mm
Distance spindle axis - column surface	160 mm
Distance between spindle nose and table	435 mm
Distance between spindle nose and base	625 mm
Table dimensions	290 x 290 mm
Slot	16 mm
Tilting table	± 45°
Motor	230 V 50 Hz 0,55 kW
Net weight	50 kg


0012
€ 622,00
DRILL PRESS WITH DRIVE BELT

Inclinable and rotating table. Electrical system with separate 24V circuit for on-board machine controls.

- 1 **Induction motor**
- 2 **Table lifting wheel**
- 3 **Casted head**
- 4 **Tilting and swivel base**

INCLUDED ACCESSORIES

- Keyless chuck 1 - 16 mm B16
- Drill chuck arbor MT 2 B16

Max drilling capacity on cast iron with pre-drilling hole	Ø 20 mm
Max drilling capacity on steel with pre-drilling hole(s235jr)	Ø 16 mm
Continuous drilling capacity	Ø 12 mm
Chuck sizes	1 - 16 mm B16
Spindle speed	(12) 280 ÷ 2380 rpm
Spindle travel	80 mm
Quill	Ø 40 mm
Column	Ø 72 mm
Height	990 mm
Distance spindle axis - column surface	160 mm
Distance between spindle nose and table	435 mm
Distance between spindle nose and base	650 mm
Table dimensions	Ø 290 mm
Motor	230 V 50 Hz 0,65 kW
Net weight	48 kg



0011

€ 460,00

DRILL PRESS WITH DRIVE BELT

Vertical movement of the table with rack, tilting table. Electrical system with separate 24V circuit for on-board machine controls.

**INCLUDED ACCESSORIES**

- Keyless chuck 1 - 13 mm B16

Max drilling capacity on cast iron with pre-drilling hole	Ø 13 mm
Max drilling capacity on steel with pre-drilling hole(s235jr)	Ø 10 mm
Chuck sizes	Ø 13 mm
Spindle speed	(5) 620 ÷ 2620 rpm
Spindle travel	65 mm
Quill	Ø 40 mm
Column	Ø 58 mm
Height	690 mm
Distance spindle axis - column surface	130 mm
Distance between spindle nose and base	330 mm
Table dimensions	190 x 200 mm
Tilting table	± 45°
Motor	230 V 50 Hz 0,375 kW
Dimensions	315 x 530 x 690h mm
Net weight	25 kg



0518/20
€ 814,00
MAGNETIC DRILL

With coolant system for core drills until 20mm with weldon shank \varnothing 19.05mm and straight shank drills until \varnothing 20mm with reduced shank \varnothing 13mm.



Continuous drilling capacity	\varnothing 20 mm
Key chuck	\varnothing 13 mm
Arbor	Weldon \varnothing 19,05 mm
Spindle travel	165 mm
Max working capacity	\varnothing 20 mm
Max. magnetic force	8500 N
Spindle speed	650 rpm
Motor	230 V 50 Hz 0.9 kW
Dimensions	300 x 260 x 450 mm
BMC	442 x 395 x 175 mm
Net weight	15 kg


0518/30
€ 1110,00
MAGNETIC DRILL

With coolant system for core drills until 30mm with weldon shank \varnothing 19.05mm and straight shank drills until \varnothing 20mm with reduced shank \varnothing 13 - 16mm.

Continuous drilling capacity	\varnothing 20 mm
Key chuck	\varnothing 16 mm
Arbor	Weldon \varnothing 19,05 mm
Spindle travel	175 mm
Max working capacity	\varnothing 30 mm
Max. magnetic force	11000 N
Spindle speed	450 rpm
Base dimensions	170 x 90 mm
Motor	230 V 50 Hz 1.1 kW
Dimensions	360 x 280 x 490 mm
BMC	527 x 472 x 242 mm
Net weight	23 kg


0518/50
€ 1520,00
MAGNETIC DRILL

With coolant system for core drills until 50mm with weldon shank \varnothing 19.05mm, morse taper shank drills mt 3 and straight shank drills until \varnothing 20mm with reduced shank \varnothing 13 - 16mm.

Continuous drilling capacity	\varnothing 20 mm
Key chuck	\varnothing 16 mm
Spindle taper MT	3
Arbor	Weldon \varnothing 19,05 mm
Spindle travel	220 mm
Max working capacity	\varnothing 50 mm
Max. magnetic force	15000 N
Spindle speed	400 - 600 rpm
Base dimensions	205 x 110 mm
Motor	230 V 50 Hz 1.5 kW
Dimensions	400 x 310 x 475 mm
BMC	587 x 489 x 265 mm
Net weight	35 kg



0518/38M

€ 1250,00

MAGNETIC TAPPING/DRILL

With coolant system for core drills until 38mm with weldon shank Ø 19.05mm and straight shank drills until Ø 20mm with reduced shank Ø 13 - 16mm, tapping capacity M4 - M16.



Continuous drilling capacity	Ø 20 mm
Spindle taper MT	2
Arbor	Weldon Ø 19,05 mm
Spindle travel	180 mm
Max working capacity	Ø 38 mm
Tapping capacity	M4 ÷ M16
Max. magnetic force	12000 N
Spindle speed	0 ÷ 500 0 ÷ 800 rpm
Motor	230 V 50 Hz 1.05 kW
Base dimensions	205 x 105 mm
Dimensions	280 x 320 x 510h mm
Net weight	20 kg



0518/55H

€ 1570,00

HORIZONTAL MAGNETIC DRILL

For core drills until 55 mm with weldon shank Ø 19.05 mm



Arbor	Weldon Ø 19,05 mm
Spindle travel	55 mm
Max working capacity	Ø 55 mm
Max. magnetic force	15500 N
Spindle speed	640 rpm
Motor	230 V 50 Hz 1,9 kW
Base dimensions	165 x 80 mm
Dimensions	290 x 170 x 185 h mm
BMC	400 x 335 x 165 mm
Net weight	8.5 kg



0518/80

€ 1960,00

MAGNETIC DRILL

With coolant system for core drills until 80 mm with weldon shank Ø 19.05 mm, morse taper shank drills mt 3 and straight shank drills until Ø 20 mm with reduced shank Ø 13 - 16 mm



Continuous drilling capacity	Ø 20 mm
Spindle taper MT	3
Arbor	Weldon Ø 19,05 mm
Spindle travel	280 mm
Max. magnetic force	20000 N
Spindle speed	230 ÷ 770 rpm
Motor	230 V 50 Hz 1.8 kW
Base dimensions	215 x 110 mm
Dimensions	290 x 410 x 550h mm
Net weight	35 kg



CUTTING BAND SAWS



0273



0692/230V



0692/400V



0255

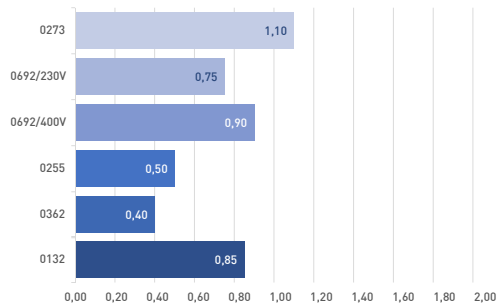


0362

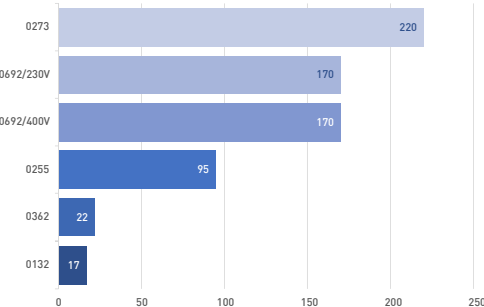


0132

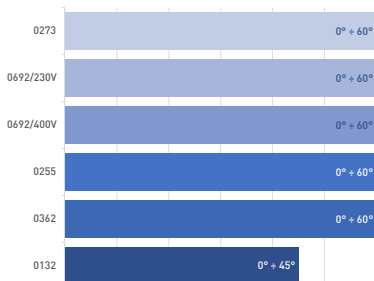
Power (kW)



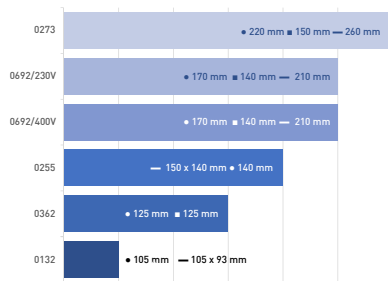
Net weight (Kg)



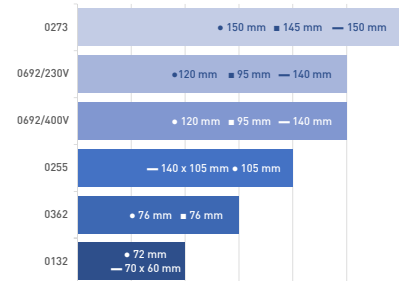
Cut range



Cutting depth at 90°



Cutting depth at 45°



0273

€ 3920,00

METAL BAND SAW WITH MANUAL AND HYDRAULIC FEED

With blade tension regulation tool, coolant system, quick vice

INCLUDED ACCESSORIES

- Blade tension gauge
- Coolant pump
- Quick vice



Blade dimensions	2450 x 27 x 0,9 mm
Three-phase motor	400V 50 HZ 0,59 / 1,1 kW
Cutting speed	36 - 72 m/min
Cut range	0° ÷ 60°
Cutting depth at 90°	• 220 mm ■ 150 mm — 260 mm
Cutting depth at 45°	• 150 mm ■ 145 mm — 150 mm
Jaws	150 x 120 h mm
Vice opening	260 mm
Dimensions	1720 x 880 x 1810 h mm
Net weight	220 kg



0692/230V & 0692/400V

€ 3100,00

METAL BAND SAW WITH MANUAL AND HYDRAULIC FEED

With blade tension regulation tool, coolant system, quick vice

INCLUDED ACCESSORIES

- Blade tension gauge
- Coolant pump
- Quick vice



Blade dimensions	2100 x 20 x 0,9 mm
Motor	230V 50 Hz 0,75 kW 400V 50 HZ 0,55 / 0,9 kW
Cutting speed	65 m/min
Cut range	0° ÷ 60°
Cutting depth at 90°	• 170 mm ■ 140 mm — 210 mm
Cutting depth at 45°	• 120 mm ■ 95 mm — 140 mm
Vice opening	260 mm
Dimensions	1500 x 800 x 1620 h mm
Net weight	170 kg



0255

€ 1630,00

METAL BAND SAW

With coolant system, quick vice, base with cabinet tools



Blade dimensions	1735 x 13 x 0,65 mm
Motor	230 V 50 Hz 0,5 kW
Cut range	0 ÷ 60°
Cutting speed	34 m / min
Cutting depth at 90°	— 150 x 140 mm • 140 mm
Cutting depth at 45°	— 140 x 105 mm • 105 mm
Base dimensions	470 x 700 mm
Dimensions	530 x 1000 x 1260h mm
Net weight	95 kg



0362

€ 787,00

ELECTRONIC CUTTING BAND SAW FOR BENCH

With inverter motor



Blade dimensions	1435 x 12,7 x 0,65 mm
Motor	230 V 50 Hz 0,4 kW
Cutting speed	35 m / min
Cut range	0° ÷ 60°
Cutting depth at 90°	• 125 mm ■ 125 mm
Cutting depth at 45°	• 76 mm ■ 76 mm
Dimensions	700 x 360 x 450h mm
Net weight	22 kg





0132

€ 496,00

CUTTING BAND SAW

Bench type, easy to carry, with two cutting speed



Blade dimensions	1335 x 12,7 x 0,65 mm
Speed	(2) 60 80 m / min
Cut range	0° ÷ 45°
Motor	230 V 50 Hz 0,850 kW
Cutting depth at 90°	• 105 mm — 105 x 93 mm
Cutting depth at 45°	• 72 mm — 70 x 60 mm
Net weight	17 kg



0522

€ 261,00

FOLDING STAND

Sturdy and resistant frame, adjustable height.



Capacity	150 kg
Plate Dimensions	820 x 460 mm
Working height	600 - 715 - 745 - 770 - 795 - 820 mm
Rollers distance	870 - 1070 - 1350 mm
Rollers height	37 ÷ 470 mm
Net weight	17 kg

0133

€ 147,00

ROLLER STAND



Roller shaft diameter	Ø 52 x 350 mm
Height	690 / 1200 mm
Maximum capacity	50 ÷ 60 kg
Net weight	15 kg

R003/09

NEW € 463,00

PANTOGRAPH ROLLER CONVEYOR



Capacity	130 kg
Roller diameter	50 mm
Length	485 ÷ 1400 mm
Height	610 ÷ 950 mm
Size	1460 x 660 x 950 h mm
Net weight	31 kg

R001- ADJUSTABLE HEIGHT ROLLER STAND

With independent height adjustment feet



Art.	€	Dimensions	Rollers distance	Roller dimensions	Height	Maximum capacity	Net weight
R001/04	€ 348,00	1000 x 460 mm	260 mm	Ø 60 x 360 mm M12	580 / 1030 mm	400 kg	23 kg
R001/07	€ 489,00	2000 x 450 mm	250 mm	Ø 60 x 360 mm M12	590 / 1050 mm	400 kg	37 kg

0642 € 342,00

CUT-OFF MACHINE

For dry cutting of metals, with disc protection guard.



Motor	230 V 50 Hz 2 kW
Disc dimensions	355 x 3.0 x 25.4 mm
Disc speed	3800 rpm
Cut range	± 45°
Cutting capacity	■ 100 x 100 mm - ■ 200 x 40 mm - o 100 mm
Vice opening	155 mm - 190 mm - 230 mm
Net weight	19 kg

0565 € 172,00

FLEXIBLE SHAFT GRINDER

With foot speed variator.



Precision key type chuck	0 - 4 mm
Variable speed	500 ÷ 22000 rpm
Flexible shaft length	900 mm
Motor	230 V 50 Hz 185 W

0568 € 57,80

MULTI CUTTING POWER TOOLS SET

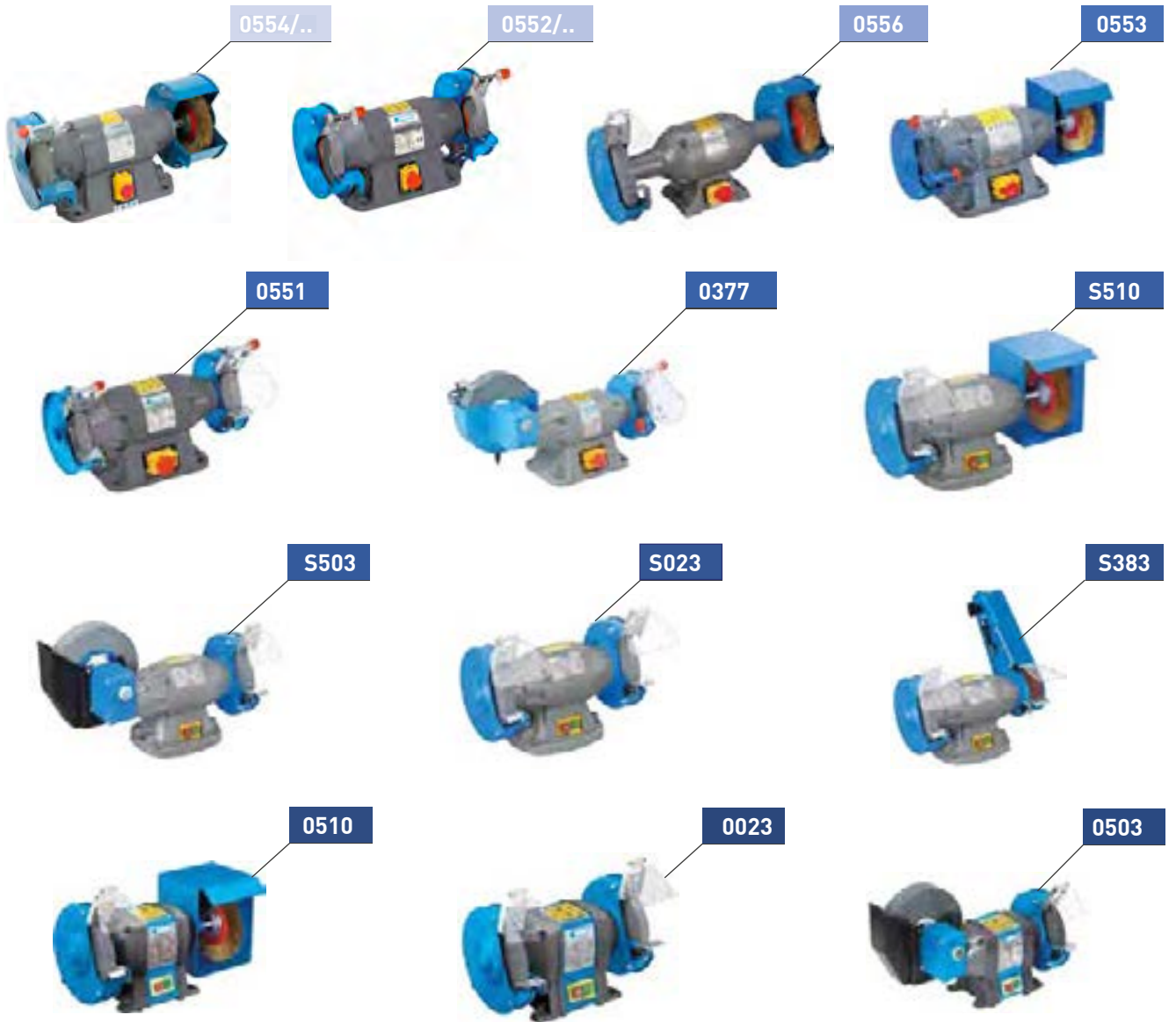
With adjustable stand and flexible shaft grinder



Precision key type chuck	Ø 3 mm
Variable speed	8000 ÷ 32500 rpm
Flexible shaft length	1000 mm
Stand height	650 mm
Clamp capacity	65 mm
Motor	230 V 50 Hz 135 W

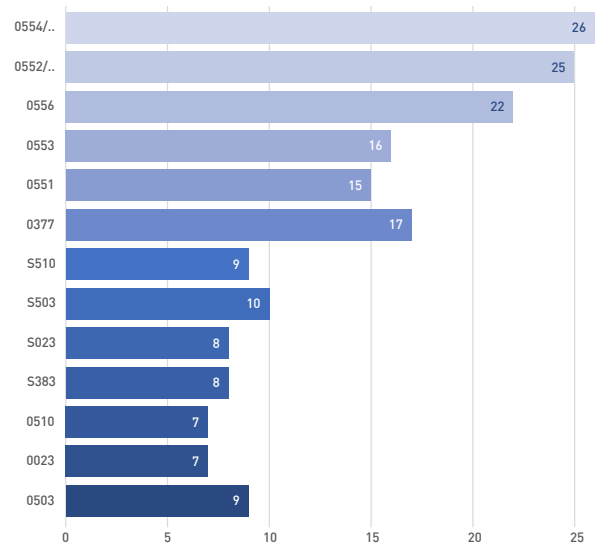
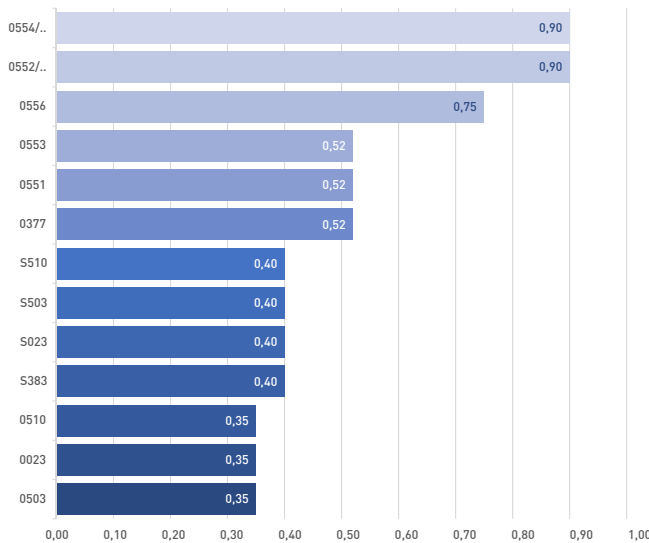


GRINDERS



Power (kW)

Weight (Kg)



0554 & 0554/400V

€ 348,00

PROFESSIONAL COMBINED BENCH GRINDER



Brush	2950 rpm - Ø 200 x 25 x 20 mm
Dry grinding wheel	2950 rpm - Ø 200 x 25 x 20 mm GR36
Motor	230V 50 Hz 0,9 kW 400V 50 Hz 0,9 kW
Usage type	S2 - 10 min
Net weight	26 kg

0552 & 0552/400V

€ 320,00

PROFESSIONAL BENCH GRINDER



Dry grinding wheel	2950 rpm - Ø 200 x 25 x 20 mm GR36 - GR80
Motor	230V 50Hz 0,9 kW 400V 50 Hz 0,9 kW
Usage type	S2 - 10 min
Net weight	25 kg

0556

€ 252,00

PROFESSIONAL COMBINED BENCH GRINDER WITH LONG ARMS

Professional combined grinder with long shafts



Brush	2950 rpm - Ø 200 x 25 x 20 mm
Dry grinding wheel	2950 rpm - Ø 200 x 25 x 20 mm GR36
Motor	230 V 50 Hz 0,75 kW
Usage type	S2 - 10 min
Distance between wheels	510 mm
Net weight	22 kg

0553

€ 218,00

PROFESSIONAL COMBINED BENCH GRINDER

Robust and reliable, wheel protection devices, workpiece support bracket



Brush	2950 rpm - Ø 150 x 20 x 16 mm
Dry grinding wheel	2950 rpm - Ø 150 x 20 x 16 mm GR36
Motor	230 V 50 Hz 0,52 kW
Usage type	S2 - 10 min
Dimensions	440 x 170 x 225 mm
Net weight	16 kg

0551

€ 203,00

PROFESSIONAL BENCH GRINDER



Dry grinding wheel	2950 rpm - Ø 150 x 20 x 16 mm GR36 - GR80
Motor	230 V 50 Hz 0,52 kW
Usage type	S2 - 10 min
Dimensions	440 x 170 x 225 mm
Net weight	15 kg

0377

€ 252,00

COMBINED BENCH GRINDER



Dry grinding wheel	2950 rpm - Ø 150 x 20 x 16 mm GR80
Wet grinding wheel	130 rpm - Ø 200 x 40 x 20 mm GR80
Motor	230 V 50 Hz 0,52 kW
Usage type	S2 - 10 min
Net weight	17 kg



S510 € 152,00

BENCH GRINDER WITH BRUSH

With brush and grinding wheel, strong and reliable



Brush	2950 rpm - Ø 150 x 20 x 16 mm
Dry grinding wheel	2950 rpm - Ø 150 x 20 x 16 mm GR36
Motor	230 V 50 Hz 0,40 kW
Usage type	S2 - 10 min
Net weight	9 kg

S503 € 157,00

WET DRY BENCH GRINDER

With wet grinding wheel and dry grinding wheel, strong and reliable



Dry grinding wheel	2950 rpm - Ø 150 x 20 x 16 mm GR80
Wet grinding wheel	130 rpm - Ø 200 x 40 x 20 mm GR80
Motor	230 V 50 Hz 0,40 kW
Usage type	S2 - 10 min
Net weight	10 kg

S023 € 137,00

BENCH GRINDER

With two grinding wheels of different grain, strong and reliable



Dry grinding wheel	2950 rpm - Ø 150 x 20 x 16 mm GR36 - GR80
Motor	2950 rpm - 230 V 50 Hz 0,40 kW
Usage type	S2 - 10 min
Net weight	8 kg

S383 € 173,00

BENCH GRINDER WITH BELT

Strong and reliable



Dry grinding wheel	2950 rpm Ø 150 x 20 x 16 mm GR36
Belt	50 x 686 mm GR100
Motor	230 V 50 Hz 0,40 kW
Usage type	S2 - 10 min
Net weight	8 kg

0510 € 111,00

BENCH GRINDER WITH BRUSH

With grinding wheel and brush. Bracket for supporting pieces. Holes for fixing on the bench.



Brush	2950 rpm - Ø 150 x 20 x 12,7 mm
Dry grinding wheel	2950 rpm - Ø 150 x 20 x 12,7 mm GR36
Motor	230 V 50 Hz 0,35 kW
Usage type	S2 - 10 min
Net weight	7 kg

0023 € 100,00

BENCH GRINDER

Grinding wheel protection screens. Bracket for piece support



Dry grinding wheel	2950 rpm - Ø 150 x 20 x 12,7 mm GR36 - GR80
Motor	2950 rpm - 230 V 50 Hz 0,35 kW
Usage type	S2 - 10 min
Net weight	7 kg

0503 € 114,00

WET DRY BENCH GRINDER

With water grinding wheel and dry grinding wheel.



Dry grinding wheel	2950 rpm - Ø 150 x 20 x 12,7 mm GR80
Wet grinding wheel	130 rpm - Ø 200 x 40 x 20 mm GR80
Motor	230 V 50 Hz 0,35 kW
Usage type	S2 - 10 min
Net weight	9 kg

0555 € 127,00

GRINDING WHEEL STAND



Height	760 mm
Column	Ø 75 mm
Table dimensions	320 x 210 mm
Net weight	13.5 kg

0106 € 97,80

GRINDING WHEEL STAND

Light duty



Height	760 mm
Column	Ø 75 mm
Table dimensions	320 x 210 mm
Net weight	11 kg

0316 € 180,00

ELECTRIC CHAINSAW SHARPENER



Pink grinding wheel	Ø 145 x 4,7 x 22,3 mm Ø 145 x 3,2 x 22,3 mm
Sharpening	+30° / -35°
For chains	1/4" - 3/8" - 3/8" - 404" - 3/4"
Motor	230 V 50 Hz 0,23 kW
Net weight	5 kg

0502 € 84,40

POWER CHAINSAW SHARPENER

With chain feed lever. Grinding wheel protection screen



Pink grinding wheel	Ø 100 x 4,5 x 10 mm
Sharpening	+35° / -35°
For chains	1/4" - 0,325" / 3/8" - 0,404"
Motor	230 V 50 Hz 0,25 kW
Speed	7500 rpm
Usage type	intermittent S2



A003/32

€ 2940,00

TWIST DRILLS GRINDING MACHINE

With ER collets for the twist drills and inclination device of the cutting edges, thinning of the core for greater precision. Possibility of sharpening carbide twist drills with optional grinding wheel.



Grinding capacity	3 ÷ 32 mm
Tilting tip	95° ÷ 135° / 85° ÷ 140°
Speed	4400 rpm
Motor	230 V 50 Hz 250 W
Dimensions	400 x 260 x 300 mm
Net weight	36 kg

A003/13A

€ 815,00

TWIST DRILL GRINDING MACHINE

With ER collets for the twist drills and inclination device of the cutting edges, thinning of the core for greater precision. Possibility of sharpening carbide twist drills with optional grinding wheel.



Grinding capacity	3 ÷ 13 mm
Tilting tip	95° ÷ 135°
Speed	4400 rpm
Motor	230 V 50 Hz 120 W
Dimensions	320 x 180 x 190 mm
Net weight	8,5 kg

A013/26

€ 1260,00

TWIST DRILL GRINDING MACHINE

With ER collets for the twist drills and inclination device of the cutting edges, thinning of the core for greater precision.



Grinding capacity	13 ÷ 26 mm
Tilting tip	118° ÷ 135°
Speed	4200 rpm
Motor	230 V 50 Hz 0,2 kW
Dimensions	370 x 165 x 200 mm
Net weight	24 kg

A0132A

€ 1150,00

TWIST DRILL GRINDING MACHINE



Grinding capacity	3 ÷ 20 mm
Tilting tip	90° ÷ 140°
Speed	7000 rpm
Motor	230 V 50 Hz 0,6 kW
Dimensions	500 x 230 x 250 mm
Net weight	21 kg

A004/14 **NEW** € 1530,00

END MILL GRINDING MACHINE

With ER collets, suitable for sharpening mills with 2, 3 and 4 cutting edges. Possibility to sharpen hard metal millis with optional grinding wheel.



Grinding capacity	4 ÷ 14 mm
Speed	4400 rpm
Motor	230 V 50 Hz 200 W
Dimensions	350 x 230 x 240 mm
Net weight	12,6 kg

A004/20 **NEW** € 2240,00

END MILL GRINDING MACHINE

With ER collets, suitable for sharpening mills with 2, 3 and 4 cutting edges. Possibility to sharpen hard metal millis with optional grinding wheel.



Grinding capacity	4 ÷ 20 mm
Speed	4400 rpm
Motor	230 V 50 Hz 200 W
Dimensions	350 x 230 x 240 mm
Net weight	16 kg

0804 € 582,00

MANUAL GRINDER FOR SAW BLADE



Grinding capacity	Ø 80 ÷ 700 mm
Speed	2850 rpm
Motor	230 V 50 Hz 0,25 kW
Net weight	29 kg

A059 € 117,00

MULTIPURPOSE SHARPENER

Ideal for sharpening knives, scissors and blades.



Grinding capacity	3 - 13 mm
Speed	3000 rpm
Motor	230 V 50 Hz 0,15 kW
Dimensions	232 x 160 x 110 mm
Vibrations	3.9 m/s ²
Sound pressure level	86 ±3 db(A)
Acoustic power level	95 ±3 db(A)



A003/32CBN € 247,00

CBN WHEEL

For HSS twist drills from 13.1 to 32mm



A003/32SDC € 247,00

SDC WHEEL

For hard metal twist drills from 13.1mm to 32mm.



A003/13ACBN € 135,00

CBN WHEEL

For HSS twist drills from 3 to 13mm.



A003/13ASDC € 135,00

SDC WHEEL

For hard metal twist drills from 3 to 13mm.



A013/26M € 176,00

DIAMOND WHEEL

In CBN material for HSS twist drills.



A0132A/MR € 21,90

PINK GRINDING WHEEL

Thread m8, Ø 40 x 38mm inner Ø 26mm.



A0132A/MB € 21,90

WHITE GRINDING WHEEL

Thread M8, Ø 40 x 38mm inner Ø 26mm.



0804/MD € 111,00

DIAMOND WHEEL

125 x 10 x F32 x 8 mm



A059/M € 11,80

SET MOLE



A004/14CBN € 153,00

CBN WHEEL

For HSS end mills from 4 to 14mm.



A004/14SDC € 153,00

SDC WHEEL

For hard metal end mills from 4 to 14mm.



A004/20CBN € 305,00

SET OF 2 CBN WHEELS

For HSS end mills from 4 to 20mm.



A004/20SDC € 305,00

SET OF 2 SDC WHEELS

For hard metal end mills from 4 to 20mm.



0691/400V € 2570,00

TILTING BELT SANDER



Belt dimensions	2000 x 150 mm
Speed	[2] 18 / 37 mm/sec
Three-phase motor	400 V 50 Hz 4 kW
Net weight	110 kg

0662 € 706,00

TILTING BELT SANDER WITH BENCH

Bench to be assembled



Belt dimensions	1219 x 152 mm
Disc diameter	Ø 230 mm
Working table dimensions	330 x 152 mm
Belt speed	330 m/min
Disc speed	1400 m/min
Dimensions	710 x 510 x 1000 mm
Motor	230 V 50 Hz 0,75 kW
Net weight	54 kg

0560

€ 703,00

BENCH CHAMFERING MACHINE

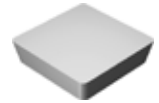
SPUN13P € 9,50
SPARE PART INSERT


Chamfer	45° 0 - 5 mm
Speed	2800 rpm
Motor	230 V 50 Hz 0,25 kW
Table dimensions	2 - 400 x 50 mm
Mill size	Ø 80 mm - Z 8
Insert	SPUN13P
Net weight	21 kg

0022

€ 722,00

PORTABLE CHAMFERING MACHINE

SPUN13P € 9,50
SPARE PART INSERT


Chamfer	15° - 45° 0 - 5 mm
Speed	2950 rpm
Motor	230 V 50 Hz 0,25 kW
Table dimensions	2 - 200 x 50 mm
Mill size	Ø 80 mm - Z 8
Insert	SPUN13P
Net weight	11,5 kg

0285/75

€ 5110,00

ELECTRIC SLIP ROLLING MACHINE

With 3 steel rollers with hardness HRC52, safety rope with 3 functions micro switch, mobile controls with double control pedals forward/backward and mushroom emergency switch.



Bed length	1300 mm
Max thickness	1.5 mm
Roller diameter	75 mm
Three-phase motor	400 V 50 Hz 0.75 kW
Net weight	375 kg

0334/0750

€ 3810,00

SHEAR PRESS BRAKE AND SLIP ROLL

Versatile and strong machine, suitable for making prototypes



Bed length	750 mm
Max shearing, bending and rolling thickness	1,0 mm
Bending angle	90°
Min. rolling Ø	44 mm
Dimensions	980 x 370 x 550 mm
Net weight	260 kg

0334/1000

€ 4250,00

SHEAR PRESS BRAKE AND SLIP ROLL

Versatile and strong machine, suitable for making prototypes



Bed length	1000 mm
Max shearing, bending and rolling thickness	1,0 mm
Bending angle	90°
Min. rolling Ø	48 mm
Dimensions	1335 x 455 x 620 mm
Net weight	317 kg



C022/100

€ 2540,00

ROLL FORMING MACHINE

With 3 rollers, removable central roller to create complete tubes.



Max length	1000 mm
Max thickness	2 mm
Roller diameter	60 mm
Net weight	200 kg

0776

€ 1160,00

ROLL FORMING MACHINE

With 3 rollers, with bench equipped with a shelf, removable central roller to create complete tubes.



Max length	1000 mm
Max thickness	0,8 mm
Roller diameter	50 mm
Net weight	105 kg

0776/610

NEW € 506,00

ROLL FORMING MACHINE

3-roller, bench-top, removable central roller to create complete tubes.



Max length	610 mm
Max thickness	0.8 mm
Roller diameter	38 mm
Net weight	37 kg

0235

€ 241,00

MINI HAND ROLL FORMING MACHINE

With 3 rollers, vice not included



Max length	300 mm
Max thickness	2,5 mm
Roller diameter	30 mm
Net weight	10 kg

P008/102

€ 2910,00

BENDING MACHINE

High efficiency due to top segmented knife, strong and reliable structure



Max length	1020 mm
Max. shearing thickness	2 mm
Max bending angle	135°
Net weight	334 kg



0775

€ 1600,00

BENDING MACHINE



Max length	1000 mm
Max. shearing thickness	1,2 mm
Max bending angle	140°
Net weight	130 kg

0483

€ 249,00

MINI HAND BRAKE

Interchangeable blade, max bending width on handle side 50mm, vice not included.



Working length	270 mm
Max. shearing thickness	2,5 mm
Net weight	10 kg

T034/105

€ 2490,00

SHEAR MACHINE WITH STAND

With integrated goniometer, adjustable cutting end stop and bench in assembly kit



Bed length	1050 mm
Max. bending thickness	1,25 mm
Cutting capacity with adjustment	0 ÷ 500 mm
Dimensions	1290 x 1300 x 1080 mm
Net weight	220 kg

T034/065

€ 1430,00

SHEAR MACHINE BENCH TYPE

With integrated goniometer and adjustable cutting end stop



Bed length	650 mm
Max. bending thickness	1,5 mm
Cutting capacity with adjustment	0 ÷ 500 mm
Dimensions	890 x 1300 x 450 mm
Net weight	145 kg

0773-

HAND SHEAR

0773/10L

€ 111,00

BLADE SET



0773/05L

€ 84,80

BLADE SET



Art.	€	Dimensions	Base dimensions	Handle length	Blade length	Flat bar	Plate thicknesser	Round	Net weight
0773/05	€ 170,00	290 x 120 x 240 mm	290 x 90 mm	620 mm	130 mm	38 x 3 mm	0,5 ÷ 3 mm	Ø 6 mm	10 kg
0773/10	€ 248,00	420 x 120 x 390 mm	420 x 90 mm	800 mm	250 mm	70 x 3 mm	0,5 ÷ 3 mm	Ø 6 mm	19 kg



0892

€ 492,00

MINI HAND SHEAR BRAKE

Interchangeable blade, vice not included



Working length	200 mm
Max. bending thickness	1 mm
Max. shearing thickness	1 mm
Net weight	17 kg

C076/30

€ 4050,00

MOTORIZED 3 ROLL PIPE & PROFILE BENDING MACHINES

Horizontal and vertical operation for pipes, profiles and bars.



Shaft diameter	30 mm
Upper roller diameter	148 mm
Lower rollers diameter	148 mm
Round speed	4,8 ÷ 7,2 m/min
Three-phase motor	400 V 50 Hz 1,1 kW
Dimensions	620 x 1100 x 1360 mm
Net weight	230 kg

0197

€ 583,00

UNIVERSAL BENDER

For cold bending, with blocks to speed up and standardize operations, with ergonomic handle.



Round bar	Steel, Copper 16 mm Wrought Iron 12 mm Aluminum 18 mm
Flat bar	30 x 8 mm
Square	Steel, Copper 13 x 13 mm Wrought iron 10 x 10 mm Aluminum 15 x 15 mm
Net weight	22 kg

0668

€ 1380,00

FORGING FURNACE

Easy to use, quick ignition, no injurious emissions, rear door to heat the iron bar center. isolation chamber in fibreceramics. regulator, non-return valve and thermocouple equipped



Working temperature	1300 °C ÷ 1400 °C
Max working capacity	Ø 70 mm / ■ 50 mm
Power	G.P.L.
Consumption	0,05 - 1,5 kg / h
Internal dimensions	280 x 210 x 100h mm
External Dimensions	400 x 260 x 250h mm
Net weight	25 kg

0721

NEW € 330,00

MANUAL SPIRAL IRON BENDER

For cold bending, with blocks to speed up and standardize operations. Length-adjustable lever, with rollers for rods and plates already included to make different radii of curvature. Possibility of creating both dry folds and curves and use with pipes.



Roller diameter	2x Ø 24, 30, 37, 43, 49, 62, 75 mm
Round bar	Steel, Aluminum, Copper Ø16 mm Stainless Steel Ø14 mm
Flat bar	10 x 50 mm Sharp edge 6 x 50 mm
Square	14 x 14 mm
Round pipe	G 3/4"
Handle length	1000 mm Max
Net weight	30 kg

0102

€ 340,00

IRON BENDER

For cold and hot bending. with blocks to speed up and standardize operations and ergonomic handle



Round bar	Cold 22 mm Heated 27 mm
Square	Cold 20 mm Heated 25 mm
Flat bar	Steel 100 x 8 mm Copper 100 x 15 mm
Net weight	30 kg

0113

€ 330,00

SPIRAL BENDER

For cold bending with piece stop and ergonomic handle



Iron	Cold
Round bar	10 mm
Flat bar	10 x 30 mm
Square	10 mm
Dies	80 mm 125 mm 200 mm
Net weight	25 kg

0722

NEW € 1320,00

MANUAL PIPE BENDER

For cold bending, for large pipes, with a system that avoids the collapse of the pipe, for the creation of simple or complex curves, with indication of the bend angle, lever included. Ratchet operation to exert maximum force.



Dies	25.4 - 38.1 - 44.5 mm
Min. bending radius	75 - 125 - 150 mm
Max thickness	3 mm
Round pipe	Ø20 ÷ 50 mm
Max bending angle	120°
Handle length	1000 mm
Net weight	65 kg

0723

NEW € 385,00

PORTABLE MANUAL PIPE BENDER

For cold bending, with a system that avoids the collapse of the pipe, for the creation of simple or complex curves.



Dies	8
Round pipe	3/8" - 1/2" - 9/16" - 5/8" - 3/4" - 7/8"
Square pipe	3/4" - 1"
Thickness	0.8 ÷ 1.2 mm
Max bending angle	180°
Handle length	420 ÷ 600 mm
Net weight	25 kg

0893

€ 548,00

HYDRAULIC TUBE BENDER 1 1/2" - 2"

With 2 speeds pump



Dies	1/2" 3/4" 1" 1-1/4" 1-1/2" 2" gas
Capacity	10 tons N
Ram stroke	250 mm
Net weight	48 kg

0719

NEW € 1090,00

MANUAL PIPE BENDER

For cold bending, with a system that avoids the collapse of the pipe, for the creation of simple or complex curves, with blocks to speed up and standardize operations.



Dies	14 - 16 - 18 - 20 - 22 - 25 mm
Min. bending radius	4x pipe Ø, 56-100 mm
Max thickness	2 mm
Round pipe	steel, aluminum, copper Ø25 mm stainless steel Ø22 mm
Square	20 x 20 mm
Net weight	46 kg

0292-

COPPER TUBE BENDER

0292



Art.	€	Sizes
0292	€ 16,60	Ø 8 - 10 - 12 mm
0292/14	€ 15,90	Ø 14 mm
0292/16	€ 18,00	Ø 16 mm

**0758****€ 1280,00****WOOD LATHE**

With rotating head, variable speed drive belt and cast iron bench

INCLUDED ACCESSORIES

- Live center MT 2
- Headstock spur drive center MT 2
- Backing pad Ø 150 mm
- Ejector
- Service keys



Distance between centers	1100 mm
Centers height	185 mm
Maximum turning diameter	370 mm
Thread	1" - 8 TPI
Tailstock	MT 2
Motor	230 V 50 Hz 0,75 kW
Spindle speed	500 ÷ 2000 rpm
Net weight	120 kg

**0751****€ 850,00****WOOD LATHE**

With rotating head, variable speed drive belt and steel sheet bench

**INCLUDED ACCESSORIES**

- Live center MT 2
- Headstock spur drive center MT 2
- Backing pad Ø150 mm
- Ejector
- Service Key

Distance between centers	900 mm
Centers height	155 mm
Maximum turning diameter	310 mm
Thread	1" - 8 TPI
Tailstock	MT 2
Motor	230 V 50 Hz 0,37 kW
Spindle speed	500 ÷ 2000 rpm
Net weight	75 kg

**0758/C****€ 371,00****COPY DEVICE FOR WOOD LATHE**

Distance between centers	1000 mm
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0648

€ 1000,00

WOOD LATHE WITH COPY DEVICE

with lever to adjust the speed and processing area protected with interlocked mobile plexiglass guard



Distance between centers	1000 mm
Centers height	175 mm
Maximum turning diameter	350 mm
Thread	1" - 8 TPI
Tailstock	2
Motor	230 V 50 Hz 0,75 kW
Spindle speed	500 ÷ 2000 rpm
Dimensions	1400 x 500 x 1300h mm
Net weight	68 kg



0497-

12" WOOD LATHE

With belt speed change



INCLUDED ACCESSORIES

- Live center MT 2
- Headstock spur drive center MT 2
- Backing pad Ø 80 mm
- Ejector
- Service keys

Art.	€	Distance between centers	Centers height	Maximum turning diameter	Motor	Spindle speed	Thread	Tailstock	Net weight
0497/250	€ 620,00	457 mm	125 mm	250 mm	230 V 50 Hz 0.37 kW	(5) 700 - 3000 rpm	1" - 8 TPI	CM 2	33 kg
0497/300	€ 689,00	457 mm	150 mm	300 mm	230 V 50 Hz 0.55 kW	(5) 700 - 3000 rpm	1" - 8 TPI	CM 2	33 kg





0498

€ 9370,00

8 FUNCTIONS COMBINE MACHINE

Bench saw, sliding carriage, scoring blade, spindle moulder, surface planer, thickness planer, mortising unit and sanding drum at 1500rpm.



Overall dimensions	1880 x 1500 x 1050 mm
Spindle speed	1500 rpm
Single-phase motor	3 x 230 V 50 Hz 2.2 kW
Weight	445 kg
Packing dimensions	1600 x 1300 x 1010 mm



BENCH SAW

Main table dimensions	1045 x 800 mm
Blade dimensions	254 x 3,2 x 30 mm 24 Z
Blade speed	4050 rpm
Cut height	65 mm 90° - 45 mm 45°



SLIDING CARRIAGE

Max cutting length with saw bench	1370 mm
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Sliding table	1500 x 840 mm
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SCORING BLADE

Blade dimensions	Ø 80 x 3,2 x 20 mm 8 Z
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Cutter arbor speed	4000 rpm
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SPINDLE MOULDER

Arbor size	Ø 30 mm
Spindle travel	130 mm



Blade speed	6300 rpm
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PLANER THICKNESSER

Table dimensions	1285 x 310 mm
Arbor size	Ø 75 mm
Inlet size	Ø 100 mm
Knives	3
Planer capacity	310 x 5 mm
Thickness capacity	310 x 180 mm



Cutter arbor speed	4000 rpm
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MORTISER

Table dimensions	150 x 365 mm
Vertical stroke	0 ÷ 80 mm
Longitudinal travel	0 ÷ 85 mm
Cross travel	0 ÷ 140 mm



Cutter arbor speed	1500 / 4000 / 6000 rpm
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SANDING DRUM

Dimensions	Ø 100 x 100h mm
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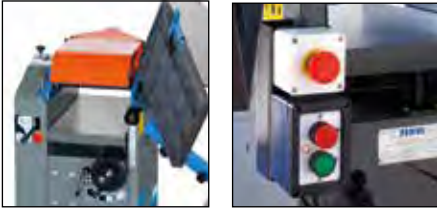


0499

€ 2800,00

12" PLANER & THICKNESSER

With mortise option.



Overall dimensions	1290 x 550 x 1000 mm
Tables height	810 mm
Table dimensions	310 x 1285 mm
Arbor size	Ø 75 mm
Blade	3
Thickness capacity	310 x 2,5 x 180h mm
Spindle speed	4000 rpm
Motor	230 V 50 Hz 2.2 kW
Net weight	179 kg


0749

€ 2080,00

COMBINED PLANER AND THICKNESSER

With cast iron tables



Dimensions	1050 x 485 x 800h mm
Tables height	810 mm
Table dimensions	1050 x 250 mm
Arbor	Ø 75 mm
Blade	N° 3
Planer capacity	250 x 2 mm
Thickness capacity	250 x 1,2 180h mm
Spindle speed	4000 rpm
Motor	230 V - 50H z - 1,5 kW
Net weight	155 kg


0517A

€ 868,00

THICKNESSER

With working plate made of granite



Dimensions	710 x 640 x 400 mm
Working table dimensions	330 x 238 mm
Arbor	Ø 51.5 mm
Blade	2
Thickness capacity	330 x 2.4 x 152 mm
Spindle speed	8500 rpm
Motor	230 V 50 Hz 1.5 kW
Net weight	35 kg



**0686/200**

€ 592,00

COMBINED PLANER AND THICKNESSER

With aluminum working tables



Dimensions	770 x 430 x 450h mm
Tables height	360 mm
Table dimensions	737 x 210 mm
Arbor	Ø 50 mm
Blade	N° 2
Planer capacity	204 x 2 mm
Thickness capacity	204 x 2 x 120h mm
Spindle speed	8000 rpm
Motor	230 V 50 Hz 1,25 kW
Net weight	25 kg

0749/M

€ 470,00

MORTISING MACHINE

With cast iron working tables



Chuck sizes	Ø 16 mm
Table dimensions	370 x 150 mm
Vertical stroke	0 - 80 mm
Lateral stroke	0 - 140 mm
Slot distance	3 x 165 mm
Net weight	26 kg

0749/MC

€ 128,00

WESTCOTT CHUCK

Capacity	16 mm
Female junction	M20 x 1,5 Sx / Left
Sizes	Ø 55 x 68,5 mm

M057/16

€ 130,00

"WESTCOTT" CHUCK

Capacity	16 mm
Female junction	B18
Sizes	Ø 60 x 65 mm

0697

€ 57,50

SET MAGNETIC QUICK PLANER KNIFE SETTING JIG

For planer blade with cutter arbor Ø 75 ÷ 125 mm

0499/C

€ 84,00

KNIVES SET

For planer and thicknesser



Sizes 310 x 30 x 3 mm

0749/C

€ 65,10

SET OF KNIVES FOR PLANER

For thickness planer



Sizes 250 x 30 x 3 mm

0517/59

€ 61,30

KNIFE SET FOR THICKNESSER

Sizes 335 x 12 x 1.5 mm

0686/200C

€ 38,60

SET OF KNIVES FOR PLANER

For thickness planer.



Sizes 210 x 22 x 2 mm

0559

€ 1560,00

2 IN 1 SPINDLE MOULDER AND SPINDLE SANDER

For milling and drilling in wood, sanding by mounting sandpaper



Motor	230V 50Hz 1,5kW
Spindle speed	1500 / 4000 / 6000 rpm
Spindle diameter	30 mm
Spindle travel	105 mm
Table well diameter	160 mm
Cast iron working tables	600 x 400 mm
Cast iron sliding carriage	400 x 250 mm
Sliding carriage guide	700 mm
Tables height	850 mm
Dimensions	74 x 66 x 98 cm
Sound pressure at operator's position	85.3 ± 2.94 dB(A)
Acoustic power level	98.3 ± 2.94 dB(A)
Net weight	110 kg

0559/T

€ 159,00

SANDING DRUM

Abrasive belt not included


0504

€ 5920,00

PANEL SAW MOULDER

Bench saw, sliding carriage, scoring blade, spindle moulder, and sanding drum at 1500rpm.

Tables height	840 mm
Overall dimensions	1670 x 1200 x 1050 mm
BENCH SAW	
Main table dimensions	1045 x 800 mm
Blade dimensions	Ø 254 x 3.2 x 30 mm 24 Z
Blade speed	4050 rpm
Cut height	65 mm 90° - 45 mm 45°
SLIDING CARRIAGE	
Max cutting length with saw bench	1070 mm
Sliding table	1200 x 840 mm
SCORING BLADE	
Blade dimensions	Ø 80 x 3.2 x 20 mm 8 Z
Blade speed	6300 rpm
SPINDLE MOULDER	
Arbor size	Ø 30 mm
Spindle travel	130 mm
Spindle speed	1500 / 4000 / 6000 rpm
SANDING DRUM	
Dimensions	Ø 100 x 100h mm
Spindle speed	1500 rpm
Motor	2 x 230 V 50 Hz 2.2 kW
Net weight	250 kg


0665

€ 3240,00

PARTIALLY ASSEMBLED PANEL SAW


Blade	250 x 3 x 30 mm Z 40
Blade speed	2800 rpm
Main table dimensions	800 x 560 mm
Extension table dimensions	800 x 305 mm
Working height	860 mm
Max cut depth at 45°	60 mm
Max cut depth at 90°	75 mm
Sliding table	500 x 600 mm
Overall dimensions	1860 x 2030 x 1070h mm
Motor	230 V 50 Hz 2,2 kW
Max cutting length with saw bench	1460 mm
Net weight	230 kg



**0656/254**

€ 2700,00

PANEL SAW

Capacity 254mm, partially assembled.



Blade dimensions	254 x 30 x 3,2 mm 40 T
Blade speed	4000 rpm
Main table dimensions	790 x 350 mm
Extension table dimensions	350 x 350 mm
Working height	850 mm
Cutting depth at 90°	80 mm
Cutting depth at 45°	56 mm
Sliding table	1320 x 238 mm
Motor	230 V 50 Hz 2,2 kW
Max cutting length with saw bench	1250 mm
Net weight	150 kg

**0656/310**

€ 3110,00

PANEL SAW

Capacity 315mm, partially assembled.



Blade dimensions	315 x 30 x 3,2 mm 40 T
Blade speed	4000 rpm
Main table dimensions	790 x 350 mm
Extension table dimensions	350 x 350 mm
Working height	850 mm
Cutting depth at 90°	100 mm
Cutting depth at 45°	70 mm
Sliding table	1320 x 238 mm
Motor	230 V 50 Hz 2,2 kW
Max cutting length with saw bench	1400 mm
Net weight	175 kg

**0280**

€ 995,00

CIRCULAR SAW BENCH

Professionale, Equipped with hard metal blade with blade guards, piece guide, mobile table, wheels for moving.

Table dimensions	800 x 550 mm
Table extension	800 x 550 mm
Working height	810 mm
Steel thickness	2 mm
Cutting depth at 90°	90 mm
Cutting depth at 45°	50 mm
Blade dimensions	315 x 3 x 30 mm Z 36
Tilting saw blade	45°
Sliding carriage	1160 mm
Sliding carriage dim.	230 x 230 mm
Motor speed	2800 rpm
Motor	230 V 50 Hz 2,2 kW
Net weight	60 kg



0871

€ 617,00

SLIDE COMPOUND MITRE SAW

With laser beam indicator of the cutting line



Saw blade	Ø 305 x 30 x 3,2 mm Z 40
Max cutting capacity 0° - 90°	340 x 100 mm
Max cutting capacity 45° - 90°	240 x 100 mm
Sliding travel	215 mm
Motor	230 V 50 Hz 2 kW
Motor speed	4500 rpm
Net weight	25 kg

0870/250

€ 435,00

MITRE SAW

With upper table for usage as saw bench



Saw blade	Ø 250 x 30 x 2,5 mm Z 36
Max cutting capacity 0° - 90°	75 x 130 mm
Max cutting capacity 45° - 45°	75 x 50 mm
Max cutting capacity 45° - 90°	75 x 90 mm
Max cutting capacity 0° - 45°	50 x 130 mm
Max cutting capacity, upper table	40 mm
Motor	230 V 50 Hz 1,8 kW
Motor speed	4500 rpm
Peripheral speed disc	59 m/s
Net weight	15,5 kg

0365

€ 250,00

PORTABLE UNIVERSAL MITRE SAW STAND

Foldable

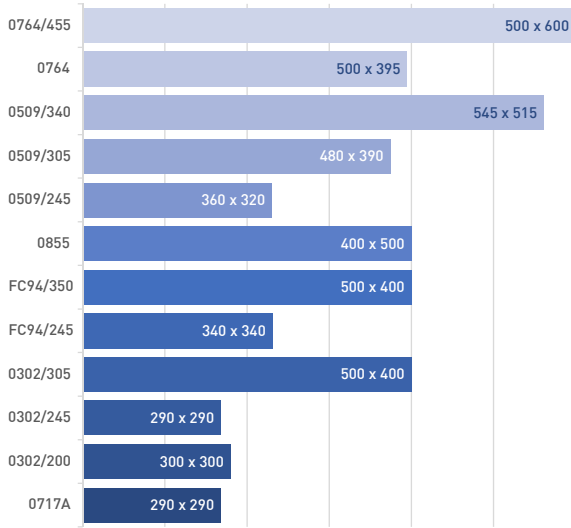


Working height	860 mm
Extension height	950 ÷ 1100 mm
Stand length	1200 mm
Extensions height operation length	1350 ÷ 3000 mm
Clamp size	500 x 35 mm
Dimensions	1300 x 230 x 950h mm
Capacity	250 kg
Net weight	18 kg

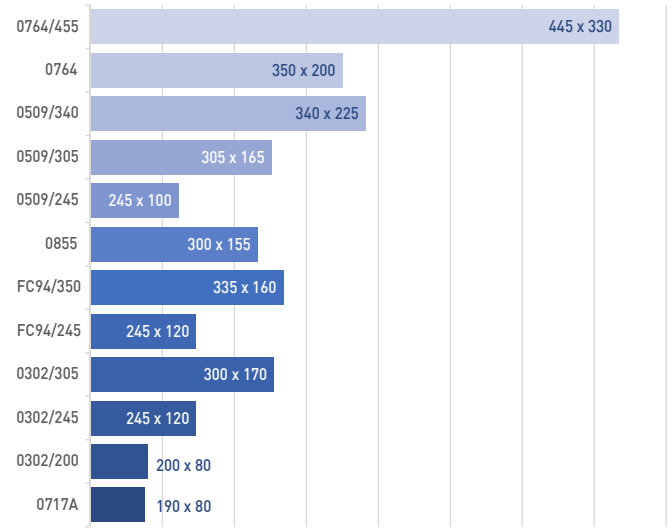


WOOD BAND SAW

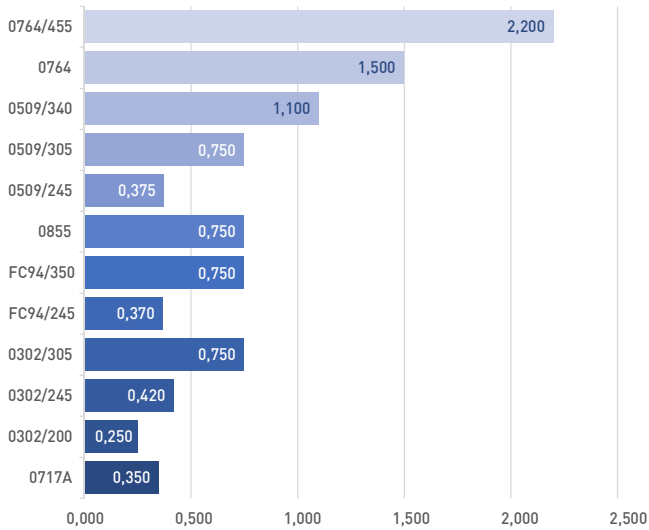
Table dimensions (mm)



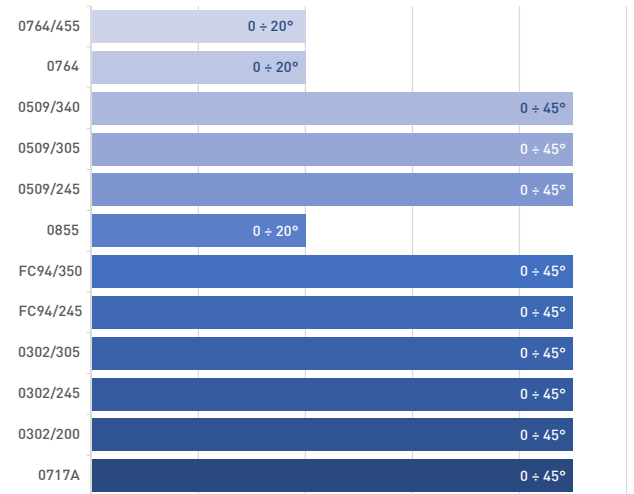
Cutting capacity (mm)



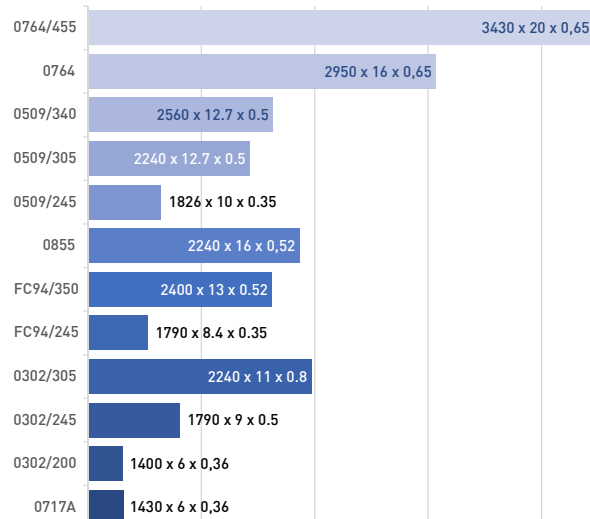
Power (kW)



Tilting table



Blade dimensions



0764/455

€ 2520,00

WOOD BAND SAW



Saw wheel	Ø 455 mm
Cutting capacity	445 x 330h mm
Blade	3430 x 20 x 0,65 mm T4
Table dimensions	500 x 600 x 40h mm
Cutting speed	10 m/s
Tilting table	0 ÷ 20°
Working height	950 mm
Dimensions	1000 x 900 x 1860h mm
Motor	230 V 50 Hz 2,2 kW
Net weight	200 kg

0764

€ 1690,00

WOOD BAND SAW



Saw wheel	Ø 405 mm
Cutting capacity	350 x 200h mm
Blade	2950 x 16 x 0,65 mm T4
Table dimensions	500 x 395 mm
Cutting speed	10 m/s
Tilting table	0 ÷ 20°
Working height	995 mm
Motor	230 V 50 Hz 1,5 kW
Dimensions	750 x 650 x 1710 h mm
Net weight	130 kg

**0509/340****€ 1430,00****WOOD BAND SAW**

With accessory for circular cutting, Led lamp and sawdust collector drawer.



Saw wheel	Ø 347 mm
Cutting capacity	340 x 225 mm
Blade	2560 x 12.7 x 0.5 mm T4
Table dimensions	545 x 515 mm
Cutting speed	6-12 m/s
Tilting table	0-45°
Working height	1010 mm
Motor	230 V 50 Hz 1.1 kW
Dimensions	900 x 670 x 1720 h mm
Net weight	70 kg

**0509/305****€ 1240,00****WOOD BAND SAW**

With accessory for circular cutting, Led lamp and sawdust collector drawer.



Saw wheel	Ø 314 mm
Cutting capacity	305 x 165 mm
Blade	2240 x 12.7 x 0.5 mm T4
Table dimensions	480 x 390 mm
Cutting speed	6-12 m/s
Tilting table	0 ÷ 45°
Working height	990 mm
Motor	230 V 50 Hz 0.75 kW
Dimensions	700 x 600 x 1585 h mm
Net weight	62 kg

**0509/245****€ 808,00****WOOD BAND SAW**

With accessory for circular cutting, Led lamp and sawdust collector drawer.



Saw wheel	Ø 254 mm
Cutting capacity	245 x 100 mm
Blade	1826 x 10 x 0.35 mm T6
Table dimensions	360 x 320 mm
Cutting speed	6.7 ÷ 13.3 m/s
Tilting table	0 ÷ 45°
Working height	925 mm
Motor	230V 50Hz 0.375kW
Dimensions	750 x 480 x 1420 mm
Net weight	37 kg

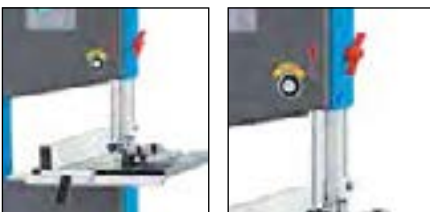


0855
€ 1030,00
WOOD BAND SAW


Saw wheel	Ø 315 mm
Blade	2240 x 16 x 0,52 mm T4
Cutting capacity	300 x 155 mm
Table dimensions	400 x 500 mm
Cutting speed	6 - 12 m/s 370 - 800 rpm
Tilting table	0 ÷ 20°
Working height	1010 mm
Motor	230 V 50 Hz 0,75 kW
Dimensions	650 x 650 x 1610 h mm
Net weight	75 kg


FC94/350
€ 1250,00
14" WOOD BAND SAW


Saw wheel	Ø 350 mm
Cutting capacity	335 x 160 mm
Blade	2400 x 13 x 0.52 mm T4
Table dimensions	500 x 400 mm
Cutting speed	10 ÷ 12 m/s
Tilting table	0 ÷ 45°
Working height	1015 mm
Motor	230 V 50 Hz 0.75 kW
Dimensions	730 x 620 x 1540 h mm
Net weight	79 kg


FC94/245
€ 630,00
10" WOOD BAND SAW


Saw wheel	Ø 255 mm
Cutting capacity	245 x 120 mm
Blade	1790 x 8.4 x 0.35 mm T6
Table dimensions	340 x 340 mm
Cutting speed	11 ÷ 16 m/s
Tilting table	0 ÷ 45°
Working height	1000 mm
Motor	230 V 50 Hz 0.37 kW
Dimensions	420 x 250 x 800 h mm
Net weight	29 kg



**0302/305****€ 780,00****WOOD BAND SAW**

With aluminium table



Saw wheel	Ø 315 mm
Cutting capacity	300 x 170 mm
Blade	2240 x 11 x 0.8 mm T6
Table dimensions	500 x 400 mm
Cutting speed	6 ÷ 12 m/s
Tilting table	0° ÷ 45°
Working height	960 mm
Motor	230 V 50 Hz 0.75 kW
Dimensions	80 x 500 x 1580 h mm
Net weight	58 kg

0302/245**€ 512,00****WOOD BAND SAW**

With aluminium table



Saw wheel	Ø 255 mm
Cutting capacity	245 x 120 mm
Blade	1790 x 9 x 0.5 mm T6
Table dimensions	290 x 290 mm
Cutting speed	11 ÷ 16 m/s
Tilting table	0° ÷ 45°
Working height	1000 mm
Motor	230 V 50 Hz 0.42 kW
Dimensions	600 x 400 x 1480 h mm
Net weight	28 kg

0302/200**€ 350,00****WOOD BAND SAW**

With steel table



Saw wheel	Ø 210 mm
Cutting capacity	200 x 80h mm
Blade	1400 x 6 x 0,36 mm T6
Table dimensions	300 x 300 mm
Cutting speed	15 m/s
Tilting table	0 ÷ 45°
Dimensions	450 x 390 x 680 h mm
Motor	230 V 50 Hz 0,25 kW
Net weight	17 kg

0717A**€ 334,00****WOOD BAND SAW**

With adjustable work table and protractor for high precision. Blade protection device



Saw wheel	Ø 200 mm
Blade	1430 x 6 x 0,36 mm T6
Cutting capacity	190 x 80h mm
Table dimensions	290 x 290 mm
Cutting speed	13,7 m/s
Tilting table	0 ÷ 45°
Motor	230 V 50 Hz 0,35 kW
Dimensions	430 x 355 x 665 h mm
Net weight	17 kg

0523

€ 427,00

TILTING BELT DISC SANDER

Can be used with sanding belt horizontally or vertically. With workpiece holder, abrasive belt and disc. Tilting work table in cast aluminum. Trailed aluminum roller on bearings. Heavy base suitable for heavy work. To be used exclusively for working with wood and plastic materials.



Dimensions	530 x 430 x 330 mm
Motor	230V 50Hz 375 W
Belt	914 x 100 mm
Belt speed	336 m/min
Grit belt	80
Disc diameter	Ø 150 mm
Grit Disc	80
Round speed	1850 rpm
Tilting table	0 ÷ 45°
Table dimensions	176 x 136 mm
Net weight	19.5 kg


0505

€ 285,00

TILTING BENCH BELT SANDER

Can be used with sanding belt horizontally or vertically. With workpiece holder, abrasive belt and disc. Tilting work table in cast aluminum. Trailed aluminum roller on bearings. To be used exclusively for working with wood and plastic materials.



Dimensions	460 x 380 x 270h mm
Motor	230V 50 Hz 500 W
Belt	914 x 100 mm
Belt speed	420 m/min
Grit belt	80
Disc diameter	Ø 150 mm

Grit Disc	80
Round speed	2850 rpm
Tilting table	0 ÷ 45°
Table dimensions	225 x 155 mm
Net weight	18 kg


0564
NEW

€ 291,00

TILTING BENCH BELT SANDER

Can be used with sanding belt horizontally or vertically. With workpiece holder, abrasive belt and disc. Tilting work table in extruded aluminum. Quick belt change system. Trailed plastic roller on bearings. To be used exclusively for working with wood and plastic materials.



Dimensions	470 x 360 x 290 mm
Motor	230V 50 Hz 370 W
Belt	914 x 100 mm
Belt speed	450 m/min
Grit belt	80
Disc diameter	Ø 150 mm
Grit Disc	80
Round speed	2980 rpm
Tilting table	0 ÷ 45°
Table dimensions	226 x 160 mm
Net weight	16,5 kg





0138

€ 592,00

BELT AND DISC SANDER

With tilting tables



Dimensions	630 x 370 x 495h mm
Belt	25 x 1075 mm
Belt speed	8,5 m/s
Disc diameter	200 mm
Motor	230 V 50 Hz 0,45 kW 1450 rpm
Table dimensions band	180 x 150 mm
Table dimensions disc	250 x 120 mm
Net weight	26 kg

0144

€ 470,00

SCROLL SAW VARIABLE SPEED

With Led lamp, strong body, tilting table, suitable to cut balsa, plywood, soft woods, plastic and no ferrous metal.



0753/L € 4,91

BLADES SET

0753/A € 14,20

BLADE ADAPTER



Cutting capacity	457 x 50h mm
Blade length	127 mm
Oscillations	550 ÷ 1650 rpm
Plate Dimensions	480 x 250 mm
Tilting table	0 ÷ 45° sx
Base dimensions	220 x 420 mm
Motor	230 V 50 Hz 0,12 kW
Net weight	16 kg

0765

€ 261,00

SCROLL SAW VARIABLE SPEED

Strong body, tilting table, suitable to cut balsa and plywood



0753/L € 4,91

BLADES SET

0753/A € 14,20

BLADE ADAPTER



Cutting capacity	400 x 50h mm
Blade length	127 mm
Oscillations	800 ÷ 1400 rpm
Plate Dimensions	410 x 250 mm
Tilting table	0 ÷ 45° sx
Base dimensions	230 x 390 mm
Motor	230 V 50 Hz 0,12 kW
Working temperature	from -5°C to +50°C
Net weight	14 kg

0720

€ 58,80

PRECISION MITRE SAW

With depth of cut adjustment, Corner selection lever.



0720/L € 9,20

BLADE

Cut height	110 mm
Cut width	120 mm
Cutting tilting	0° ± 45°
Base	400 x 80 mm
Blade dimensions	550 x 45 mm
Net weight	4 kg

S015

€ 118,00

MANUAL LOG SPLITTER

Foot operated, to split logs into small parts to light fire



Log capacity	Ø 254 x 460 mm
Max splitting force	1,2 ton
Blade dimensions	100 x 80h mm
Net weight	8,5 kg

S009

€ 1470,00

VERTICAL HEAVY DUTY LOG SPLITTER

7 ton, with cross log splitter



Height working capacity	120 ÷ 540 mm
Log capacity	Ø 50 ÷ 320 mm
Max splitting force	7 ton
Motor	230 V 50 Hz 3 kW
No-load speed	2950 rpm
Net weight	120 kg



**0496****€ 775,00****DUST COLLECTOR**

Inlet size	3 x Ø 100 mm
Air flow	3900 m ³ / h
Motor	230 V 50 Hz 2.2 kW
Cloth bag	Ø 510 mm
Dimensions	1450 x 800 x 2000 mm
Net weight	48 kg

**0759****€ 669,00****PARTIALLY ASSEMBLED DUST COLLECTOR**

Inlet size	2 x Ø 100 mm
Air flow	2500 m ³ / h
Filtration rate	5 micron
Cloth bag	Ø 510 mm
Motor speed	2950 rpm
Vacuum suction	1.95 kPa
Motor	230 V 50 Hz 1.5 kW
Dimensions	840 x 560 x 1800 h mm
Net weight	40 kg

**0756****€ 400,00****DUST COLLECTOR**

Partially assembled



Inlet size	100 mm
Air flow	850 m ³ / h
Filtration rate	5 micron
Cloth bag	Ø 370 mm
Motor speed	2950 rpm
Vacuum suction	1.08 kPa
Motor	230 V 50 Hz 0.75 kW
Dimensions	500 x 600 x 1700 h mm
Net weight	23 kg

**0507****€ 296,00****DUST COLLECTOR**

Partially assembled



Inlet size	100 mm
Air flow	900 m ³ / h
Filtration rate	5 micron
Cloth bag	Ø 320 mm
Motor speed	2840 rpm
Vacuum suction	0.70 kPa
Motor	230 V 50 Hz 0.55 kW
Dimensions	500 x 600 x 1700 h mm
Net weight	18 kg

**0495****€ 399,00****PORTABLE DUST COLLECTOR**

With wheels for wood band saw and mitre saw



Inlet size	100 mm
Air flow	830 m ³ / h
Cloth bag	Ø 380 mm
Motor	230 V 50 Hz 0.75 kW
Dimensions	395 x 325 x 350 mm
Net weight	14 kg

0759/F € 29,10

FILTER BAG



Dimensions Ø 510 mm x 855h mm

0759/S € 53,60

PLASTIC BAG SET



10 Pcs

Dimensions Ø 510 mm x 855h mm

0756/F € 23,50

FILTER BAG



Dimensions Ø 370 mm x 590h mm

0756/S € 44,20

PLASTIC BAG SET



10 Pcs

Dimensions Ø 370 mm x 590h mm

0756/T € 40,60

PLASTIC HOSE FITTING

With metal core



Max length 2 m
Diameter 100 mm

0756/Y € 20,00

Y FITTING



Diameter 100 mm

0507/Y **NEW** € 5,00

Y FITTING



Dimensions 150 x 110 x 170h mm
Inlet size 2 x Ø 35 mm
Diameter 100 mm

0507/14 € 23,70

PLASTIC BAG SET



10 Pcs

Dimensions Ø 330 mm x 500h mm

0507/15 € 43,90

FILTER BAG



Dimensions Ø 320 mm x 590h mm

0507/07 € 26,10

PLASTIC HOSE FITTING

With metal core



Length 2 m mm
Diameter 100 mm

0507/4R € 8,40

FITTING WITH 4 DIAMETERS

Reduction from hose of 100 mm to: 70 mm
50 mm 40 mm 35 mm



Diameter 100 mm

0495/24 € 18,80

FILTER BAG



Dimensions Ø380 mm x 530h mm

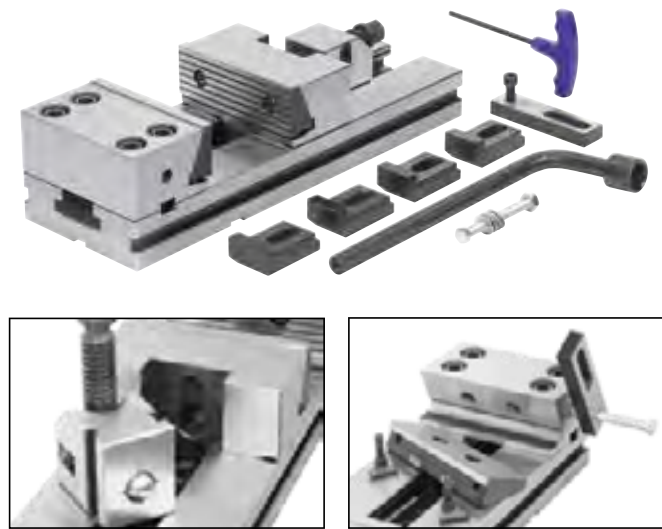
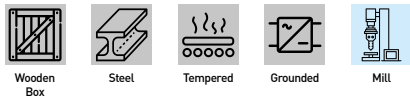
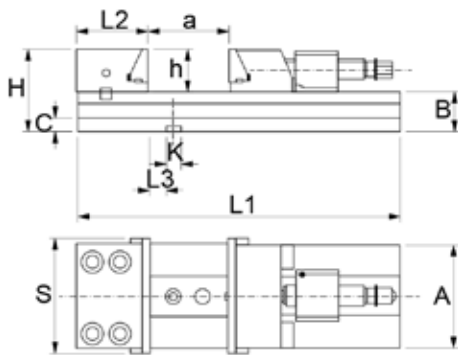


M011-

PRO

HIGH PRECISION MODULAR VICE

Suitable for jobs where precision, reliability, availability and secure locking are required. Suitable for precision milling and grinding work on both manual machines and CNC machining centers. Ground sliding surfaces. Equipped with prismatic descending jaws when tightening. With fasteners and adjustment keys. Accuracy 0.02mm and hardness 57-62 HRC



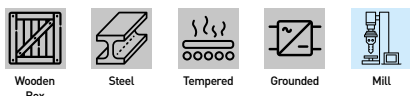
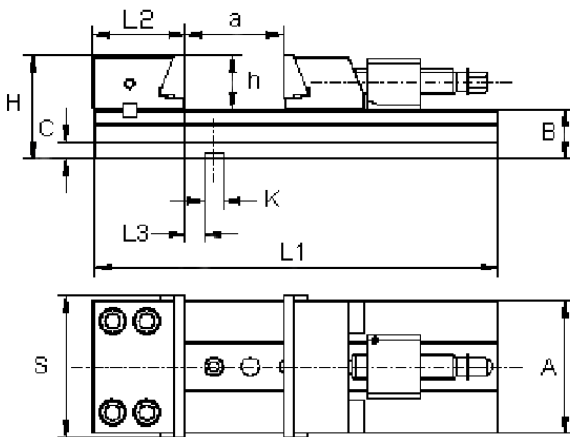
Art.	€	Jaw dimensions	S	A	B	C	H	L1	L2	L3	h	K h7	a	Net weight
M011/125/150	€ 1060,00	125 x 50h mm	125 mm	125 mm	40 mm	15 mm	90 mm	350 mm	80 mm	25,6 mm	50 mm	16 mm	150 mm	19 kg
M011/150/210	€ 1220,00	150 x 60h mm	150 mm	150 mm	50 mm	20 mm	110 mm	435 mm	93 mm	25,6 mm	60 mm	16 mm	210 mm	35 kg
M011/150/300	€ 1520,00	150 x 60h mm	150 mm	150 mm	50 mm	20 mm	110 mm	525 mm	93 mm	25,6 mm	60 mm	16 mm	300 mm	35 kg

M028-

PRO

HIGH PRECISION MODULAR VICE

Suitable for jobs where precision, reliability, availability and secure locking are required. Suitable for precision milling and grinding work on both manual machines and CNC machining centers. Ground sliding surfaces. Equipped with prismatic descending jaws when tightening. With fasteners and adjustment keys. Accuracy 0.02mm and hardness 57-62 HRC

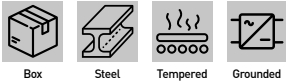


Art.	€	Jaw dimensions	S	A	B	C	H	L1	L2	L3	h	K h7	a	Net weight
M028/100/100	€ 761,00	100 x 30h mm	100 mm	75 mm	35 mm	15 mm	65 mm	270 mm	77,9 mm	25,6 mm	30 mm	16 mm	100 mm	7 kg
M028/125/150	€ 827,00	125 x 40h mm	125 mm	95 mm	40 mm	15 mm	80 mm	345 mm	77,9 mm	25,6 mm	40 mm	16 mm	150 mm	13 kg
M028/150/200	€ 987,00	150 x 50h mm	150 mm	125 mm	50 mm	20 mm	100 mm	420 mm	89,4 mm	25,6 mm	50 mm	16 mm	200 mm	26 kg
M028/150/300	€ 1060,00	150 x 50h mm	150 mm	125 mm	50 mm	20 mm	100 mm	520 mm	89,4 mm	25,6 mm	50 mm	16 mm	300 mm	30 kg
M028/150/400	€ 1220,00	150 x 50h mm	150 mm	125 mm	50 mm	20 mm	100 mm	620 mm	89,4 mm	25,6 mm	50 mm	16 mm	400 mm	34 kg
M028/175/200	€ 1220,00	175 x 60h mm	175 mm	145 mm	58 mm	20 mm	118 mm	455 mm	96,9 mm	25,6 mm	60 mm	16 mm	200 mm	40 kg
M028/175/300	€ 1260,00	175 x 60h mm	175 mm	145 mm	58 mm	20 mm	118 mm	555 mm	96,9 mm	25,6 mm	60 mm	16 mm	300 mm	43 kg
M028/175/400	€ 1410,00	175 x 60h mm	175 mm	145 mm	58 mm	20 mm	118 mm	655 mm	96,9 mm	25,6 mm	60 mm	16 mm	400 mm	50 kg
M028/175/500	€ 1580,00	175 x 60h mm	175 mm	145 mm	58 mm	20 mm	118 mm	755 mm	96,9 mm	25,6 mm	60 mm	16 mm	500 mm	50 kg
M028/200/300	€ 1900,00	200 x 65h mm	200 mm	170 mm	70 mm	26 mm	135 mm	595 mm	113,4 mm	25,6 mm	65 mm	16 mm	300 mm	69 kg
M028/200/400	€ 1950,00	200 x 65h mm	200 mm	170 mm	70 mm	26 mm	135 mm	695 mm	113,4 mm	25,6 mm	65 mm	16 mm	400 mm	74 kg
M028/200/500	€ 2350,00	200 x 65h mm	200 mm	170 mm	70 mm	26 mm	135 mm	795 mm	113,4 mm	25,6 mm	65 mm	16 mm	500 mm	79 kg
M028/200/600	€ 2590,00	200 x 65h mm	200 mm	170 mm	70 mm	26 mm	135 mm	895 mm	113,4 mm	25,6 mm	65 mm	16 mm	600 mm	84 kg

M011-xG

PRO

SPARE PART JAWS



Art.	€	Description	Jaw dimensions
M011/125GP	€ 227,00	Prismatic jaw	125 x 40h mm
M011/125GR	€ 381,00	Pair of striped jaws	125 x 40h mm
M011/150GP	€ 273,00	Prismatic jaw	150 x 45h mm
M011/150GR	€ 407,00	Pair of striped jaws	150 x 45h mm

M028-xG

PRO

SPARE PRISMATIC JAWS

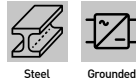


Art.	€	Dimensions
M028/100GP	€ 218,00	100 x 24,5h mm
M028M029/125GP	€ 228,00	125 x 32h mm
M028M029/150GP	€ 246,00	150 x 40h mm
M028/175GP	€ 273,00	175 x 43h mm
M028/200GP	€ 303,00	200 x 53h mm

M028-xGR

NEW PRO

SPARE RIBBED JAWS



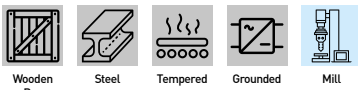
Art.	€	Jaw dimensions
M028/100GR	€ 218,00	100 x 30h mm
M028/125GR	€ 228,00	125 x 40h mm
M028/150GR	€ 246,00	150 x 50h mm
M028/175GR	€ 273,00	175 x 60h mm
M028/200GR	€ 303,00	200 x 65h mm

M061

PRO € 427,00

ANGLE PRECISION VICE

With screw closure, sine-bar with longitudinal opening. Couplings ground with high precision. Accuracy indicated on parallelism and quadrature. Ideal for grinding, EDM, milling and measuring systems



Length	235 mm
Jaw dimensions	88 x 40 h mm
Pins center distance	100 mm
Opening	120 mm
Accuracy	0,005 mm
Tilting	0° ÷ 45°
Net weight	12,5 kg

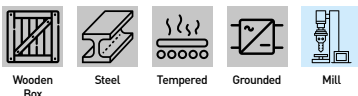


M012-

PRO

PRECISION MEASURING MILLING VICE

Quick-release. Couplings ground with high precision. Accuracy indicated on parallelism and quadrature. Ideal for grinding, EDM, milling and measuring systems



Art.	€	Dimensions	Opening	Jaw height	Accuracy
M012/038	€ 85,80	38 x 105 x 45h mm	44 mm	25 mm	0,005 mm
M012/050	€ 89,60	50 x 140 x 50h mm	65 mm	25 mm	0,005 mm
M012/080	€ 217,00	73 x 190 x 67h mm	110 mm	35 mm	0,005 mm
M012/100	€ 303,00	100 x 245 x 90h mm	125 mm	45 mm	0,005 mm



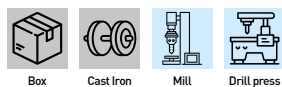


M023-

PRO

MILLING MACHINE VICE WITH 360° SWIVEL BASE

With interchangeable jaws in hardened and ground steel. Sliding parts ground. Fully covered screw. With crank



Art.	€	Jaws	Opening	Dimensions	Base dimensions	Slot distance	Slot	Net weight
M023/100	€ 213,00	100 x 35 mm	80 mm	310 x 165 x 130h mm	215 x 165 mm	195 mm	14 mm	11 kg
M023/125	€ 254,00	125 x 40 mm	100 mm	355 x 190 x 127h mm	215 x 165 mm	195 mm	14 mm	15 kg
M023/160	€ 344,00	160 x 50 mm	125 mm	422 x 235 x 162h mm	300 x 235 mm	275 mm	18 mm	30 kg
M023/200	€ 433,00	200 x 61 mm	160 mm	490 x 270 x 175h mm	360 x 280 mm	315 mm	18 mm	47 kg

M014-

NEW

MILLING MACHINE VICE WITH 360° SWIVEL BASE

With interchangeable jaws in hardened and ground steel. Sliding parts ground. Fully covered screw. With crank



Art.	€	Jaws	Opening	Dimensions	Base dimensions	Slot distance	Slot	Net weight
M014/080	€ 105,00	80 x 30 mm	60 mm	195 x 110 x 91h mm	110 x 154 mm	130 mm	14 mm	4,5 kg
M014/100	€ 137,00	100 x 35 mm	75 mm	242 x 129 x 106h mm	129 x 186 mm	160 mm	14 mm	9 kg
M014/125	€ 190,00	125 x 40 mm	95 mm	285 x 166 x 126h mm	166 x 210 mm	185 mm	14 mm	14 kg
M014/160	€ 264,00	160 x 52 mm	120 mm	390 x 218 x 166h mm	218 x 275 mm	245 mm	18 mm	28 kg
M014/200	€ 359,00	200 x 63 mm	150 mm	440 x 239 x 183h mm	239 x 315 mm	275 mm	18 mm	40 kg

M024-

MILLING MACHINE VICE WITH 360° SWIVEL BASE

With interchangeable jaws in hardened and ground steel. Sliding parts ground. Uncovered vine. With crank and fixing screws



M024/250



Art.	€	Jaws	Opening	Dimensions	Base dimensions	Slot distance	Slot	Net weight
M024/136	€ 184,00	136 x 32 mm	170 mm	375 x 162 x 123h mm	223 x 165 mm	200 mm	14 mm	14 kg
M024/160	€ 265,00	160 x 50 mm	180 mm	402 x 182 x 142h mm	252 x 182 mm	225 mm	14 mm	23 kg
M024/200	€ 349,00	200 x 63 mm	220 mm	470 x 234 x 172h mm	290 x 222 mm	260 mm	18 mm	33 kg
M024/250	€ 507,00	250 x 45 mm	320 mm	612 x 280 x 186h mm	290 x 270 mm	245 mm	18 mm	50 kg

M530-

TILTING MILLING MACHINE VICE WITH 360° SWIVEL BASE

With interchangeable jaws in hardened and ground steel. Sliding parts ground. Fully covered screw. With crank and fixing screws



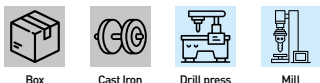
Art.	€	Jaws	Opening	Tilting	Dimensions	Base dimensions	Slot distance	Slot	Net weight
M530/100	€ 318,00	100 x 32 mm	90 mm	0° - 90°	325 x 180 x 150h mm	250 x 180 mm	230 mm	14 mm	15 kg
M530/125	€ 378,00	125 x 40 mm	100 mm	0° - 90°	360 x 206 x 165h mm	290 x 226 mm	260 mm	18 mm	24 kg
M530/160	€ 463,00	160 x 50 mm	125 mm	0° - 90°	443 x 270 x 194h mm	300 x 255 mm	270 mm	28 mm	35 kg

M027-

PRO

DRILL PRESS VICE

Equipped with scraped guides for greater precision and better sliding



Art.	€	Jaws	Opening	Base dimensions	Net weight
M027/100	€ 158,00	100 x 40 mm	100 mm	290 x 170 mm	8 kg
M027/140	€ 222,00	140 x 50 mm	140 mm	375 x 230 mm	12 kg
M027/200	€ 360,00	200 x 60 mm	200 mm	485 x 295 mm	25 kg



M001-

DRILL PRESS VICE

Equipped with a prismatic jaw and a smooth jaw. Constant overall length thanks to the screw inserted in the handle



Art.	€	Jaws	Opening	Base dimensions	Net weight
M001/100	€ 59,40	100 mm	80 mm	182 x 156 mm	4 kg
M001/120	€ 72,90	120 mm	110 mm	210 x 175 mm	5 kg
M001/150	€ 91,40	150 mm	135 mm	245 x 195 mm	7 kg

0142-

DRILL PRESS VICE

Equipped with a prismatic jaw and a smooth jaw



Art.	€	Jaws	Opening	Base dimensions	Net weight
0142/75	€ 20,50	75 X 24 mm	55 mm	123 x 115 mm	1,5 kg
0142/100	€ 29,10	100 x 25,5 mm	85 mm	160 x 155 mm	2,5 kg
0142/125	€ 36,20	125 x 30 mm	100 mm	182 x 182 mm	4 kg

0698/100

€ 91,90

TILTING VICE

Ideal for drilling with any angle of attack



Jaws	105 x 47 mm
Opening	105 mm
Tilting	0°-15°-30°-45°-60°-75°-90°
Base	192 x 185 mm
Slot distance	160 mm
Dimensions	192 x 185 x 115h mm
Net weight	8 kg

M034/120

€ 284,00

QUICK ACTING DRILL PRESS VICE

With prismatic jaw and swivel base



Jaws	120 x 40 mm
Opening	120 mm
Base dimensions	220 x 130 mm
Slot	14 mm
Net weight	7 kg



0188-

2 - WAY CROSS VICE

Useful for performing precision drilling or tapping operations thanks to the longitudinal and lateral movement without removing the piece from the vice



Art.	€	Jaws	Opening	Base dimensions	Height	Longitudinal travel	Cross travel	Net weight
0188/100	€ 86,30	100 x 25 mm	90 mm	240 x 140 mm	140 mm	130 mm	110 mm	7,5 kg
0188/125	€ 122,00	125 x 40 mm	110 mm	255 x 160 mm	150 mm	170 mm	130 mm	13 kg
0188/150	€ 154,00	150 x 40 mm	145 mm	280 x 170 mm	160 mm	160 mm	180 mm	14,5 kg

0188-xG

2 - WAY CROSS VICE WITH SWIVEL BASE

Useful for performing precision drilling or tapping operations thanks to the longitudinal and lateral movement without removing the piece from the vice. Equipped with a swivel base



Art.	€	Jaws	Opening	Base dimensions	Height	Longitudinal travel	Cross travel	Slot	Net weight
0188/100G	€ 146,00	100 X 25 mm	90 mm	210 x 150 mm	175 mm	130 mm	110 mm	18mm	11,5 kg
0188/125G	€ 165,00	125 X 40 mm	120 mm	230 x 175 mm	180 mm	150 mm	120 mm	20mm	14,5 kg
0188/150G	€ 188,00	150 X 45 mm	150 mm	235 x 195 mm	190 mm	170 mm	115 mm	20mm	19,5 kg

P014

PRO € 318,00

PARALLEL COUPLE SET

Ground in pairs. Used as part shims in wide variety of machining operations, ensuring parallel clamping



Dimensions	150 x 10 x (14-16-18-20-22-24-26-28-30-32-35-40-45-50) mm
Hardness	HRC 60
Accuracy	± 0,005 mm

P015

PRO € 173,00

PARALLEL COUPLE SET

Ground in pairs. Used as part shims in wide variety of machining operations, ensuring parallel clamping



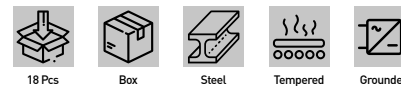
Dimensions	160 x 4 x (10-14-18-22-26-30-34-38-42) mm
Hardness	HRC 60
Accuracy	± 0,005 mm

P017

€ 122,00

PARALLEL COUPLE SET

Ground in pairs. Used as part shims in wide variety of machining operations, ensuring parallel clamping

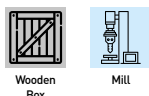
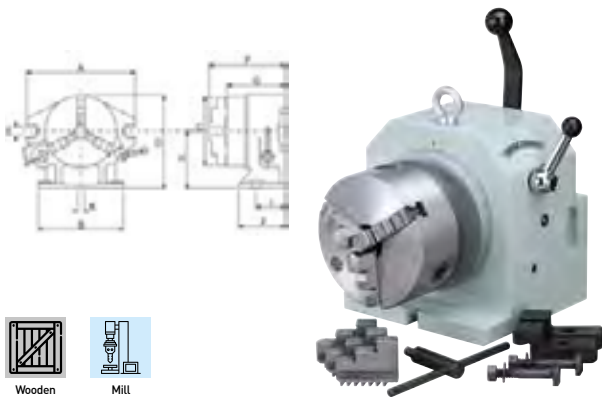


Dimensions	150 x 8 x (14-16-20-24-30-32-36-40-44) mm
Hardness	HRC 45
Accuracy	± 0,005 mm

D023 € 1850,00

HORIZONTAL AND VERTICAL RATCHET DIVIDING HEAD

It allows you to have various types of divisions based on the type of disc mounted. Division is done automatically using the feed lever. Complete with locking brackets

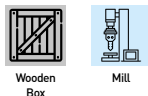
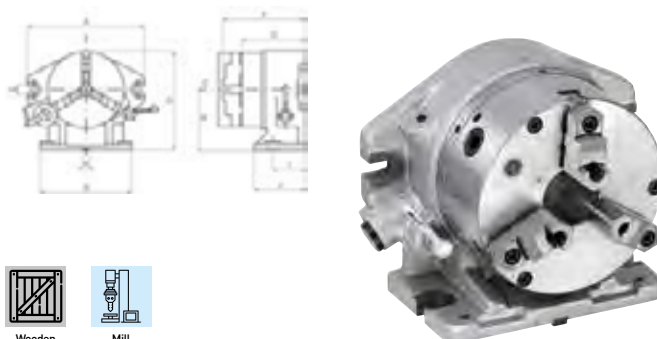


Dividing	2 - 3 - 4 - 6 - 8 - 12 - 24
A	230 mm
B	230 mm
C	160 mm
D	236 mm
E	18 mm
F	320 mm
G	285 mm
H	125 mm
I	- mm
J	210 mm
K	18 mm
Hole	30 mm
Hor. max load	50 kg
Ver. max load	10 kg
Net weight	66,5 kg

D003 € 1450,00

HORIZONTAL AND VERTICAL DIRECT DIVIDING HEAD

It allows you to have various types of divisions based on the type of disc mounted. Division is done automatically using the feed lever. Possibility of manual division from degree to degree 0° - 360°

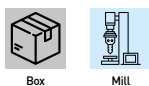
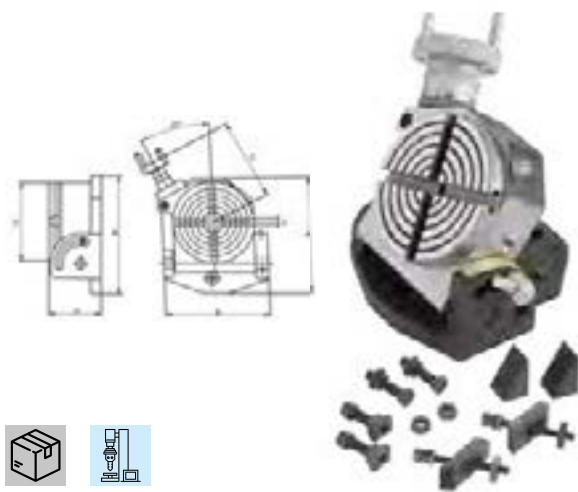


Dividing	2 - 3 - 4 - 6 - 8 - 12 - 24
A	310 mm
B	255 mm
C	210 mm
D	259,25 mm
E	18 mm
F	214 mm
G	171,5 mm
H	149,25 mm
I	80 mm
J	130 mm
K	16 mm
Hole	62 mm
Hor. max load	50 kg
Ver. max load	10 kg
Net weight	52 kg

T016/100 € 431,00

TILTING ROTARY TABLE

For precise positioning of both rotation and inclination thanks to the graduations on the handwheel and on tilt locking lever. Complete with locking brackets

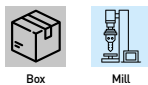
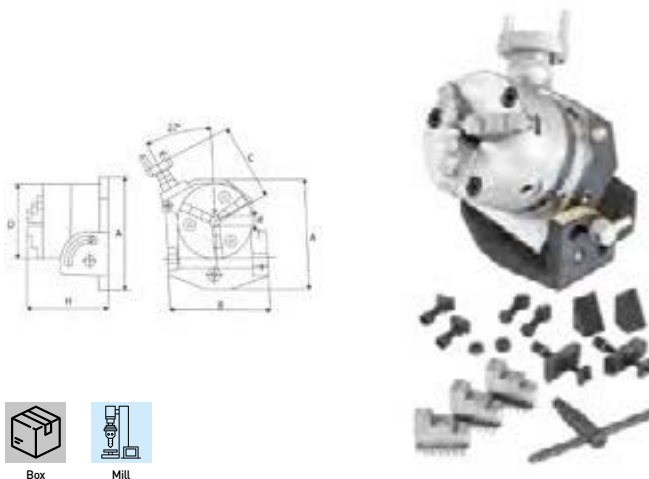


A	143 mm
B	130 mm
C	105 mm
D	102 mm
d	18 mm
H	68 mm
Revolution	360°
Tilting table	90°
Ratio	1:36
Slots	4 x 6.35 mm 5/16"
Horizontal height	102 mm
Net weight	5 kg

T017/100 € 616,00

TILTING ROTARY TABLE WITH CHUCK

For precise positioning of both rotation and inclination thanks to the graduations on the handwheel and on tilt locking lever. Complete with locking brackets



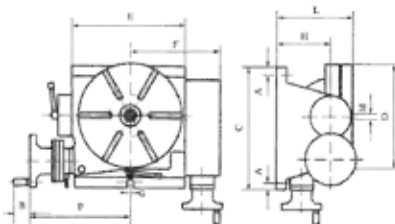
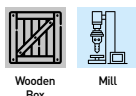
Chuck sizes	100 mm
A	143 mm
B	130 mm
C	105 mm
D	100 mm
d	20 mm
H	160 mm
Revolution	360°
Tilting table	90°
Ratio	1:36
Slots	4 x 8 mm
Horizontal height	102 mm
Net weight	11 kg



T001-

0° ÷ 90° TILTING ROTARY TABLE

Equipped with micrometric adjustment and oil bath gears



Art.	€	A	B	C	D	E	F	G	H	L	MT	Ratio	Slots	Hor. max load	Ver. max load	Net weight
T001/250	€ 2480,00	14 mm	40 mm	310 mm	250 mm	252 mm	199 mm	14 mm	140 mm	205 mm	3	1:90	6/12 N° / mm	200 kg	100 kg	78 kg
T001/320	€ 2720,00	16 mm	40 mm	380 mm	320 mm	322 mm	241 mm	18 mm	185 mm	257 mm	4	1:90	6/14 N° / mm	250 kg	125 kg	133 kg

D005-

DIVIDING PLATES FOR ROTARY TABLE

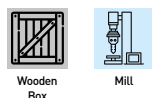
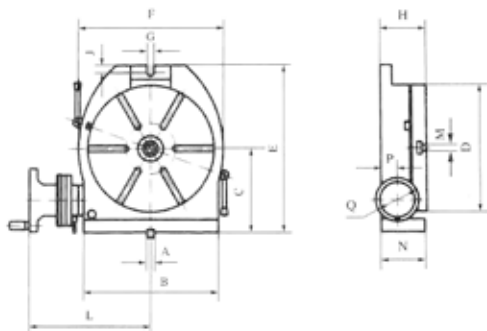


Art.	€	For rotary table	Ratio	Plates holes	Hole	External
D005	€ 223,00	T001/250 - 320, T002/160 - 320	1:90	A: 34-37-38-39-41-43-44-50-52-56-6, B: 46-47-49-51-53-54-57-58-59-62-64	38 mm	130 mm
D005/100	€ 223,00	T002/100	1:72	A:10	29 mm	90 mm
D005/400	€ 250,00	T002/400	1:90	A: 34-37-38-39-41-43-44-50-52-56-61, B: 46-47-49-51-53-54-57-58-59-62-64	53 mm	170 mm
D005/500	€ 331,00	T012/500 T012/630	1:120	A: 33-34-37-38-39-41-43-44-50-52-56-61, B: 46-47-49-51-53-54-57-58-59-62-63-64	53 mm	170 mm

T002-

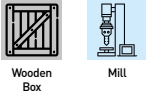
HORIZONTAL AND VERTICAL ROTARY TABLE

Equipped with micrometric adjustment and oil bath gears



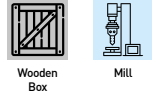
Art.	€	A	B	C	D	E	F	G	H	J	L	N	P	Q	MT	Ratio	Slots	Hor. max load	Ver. max load	Net weight
T002/100	€ 611,00	10 mm	125 mm	70 mm	100 mm	125 mm	125 mm	/	70 mm	0 mm	104 mm	48 mm	30 mm	50 mm	2	1:72	4/6 N° / mm	20 kg	10 kg	7 kg
T002/160	€ 769,00	12 mm	186 mm	125 mm	160 mm	242 mm	196 mm	12 mm	85 mm	12 mm	194 mm	82 mm	37 mm	125 mm	2	1:90	4/10 N° / mm	100 kg	50 kg	23 kg
T002/200	€ 897,00	14 mm	208 mm	150 mm	200 mm	285 mm	236 mm	14 mm	100 mm	15 mm	211 mm	99 mm	48 mm	125 mm	3	1:90	4/12 N° / mm	150 kg	75 kg	30 kg
T002/250	€ 949,00	14 mm	253 mm	170 mm	250 mm	328 mm	286 mm	14 mm	110 mm	16 mm	241 mm	106 mm	48 mm	125 mm	4	1:90	6/12 N° / mm	200 kg	100 kg	44 kg
T002/320	€ 1530,00	18 mm	321 mm	210 mm	320 mm	410 mm	360 mm	18 mm	120 mm	16 mm	273 mm	118 mm	48 mm	125 mm	4	1:90	6/14 N° / mm	250 kg	125 kg	75 kg
T002/400	€ 2130,00	18 mm	400 mm	260 mm	400 mm	525 mm	450 mm	18 mm	150 mm	16 mm	337 mm	145 mm	70 mm	160 mm	4	1:90	6/14 N° / mm	300 kg	150 kg	174 kg

C054 € 227,00
ADJUSTABLE TAILSTOCK



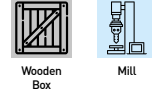
For rotary table	T002/160
Centers height	95 - 150 mm
Net weight	9 kg

C051 € 299,00
ADJUSTABLE TAILSTOCK



For rotary table	T001/250 - T002/200 - T002/250
MT	2
Centers height	140 - 180 mm
Net weight	18 kg

C052 € 387,00
ADJUSTABLE TAILSTOCK

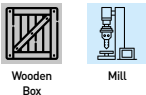
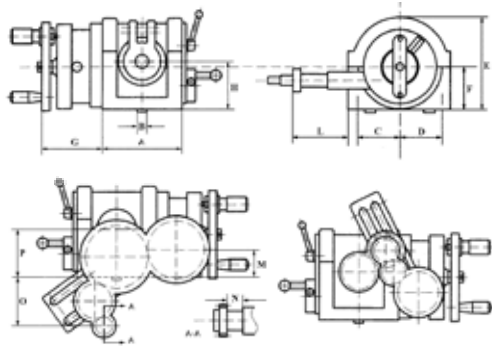


For rotary table	T002/320 - T001/320
MT	2
Centers height	180 - 224 mm
Net weight	20 kg

D004-

UNIVERSAL DIVIDING HEAD WITH TAILSTOCK, CHUCK AND DIVIDING PLATES

Equipped with hardened and ground worm screw and precision tapered roller bearings. Allows the operator to perform exactly determined angular rotations, such as are required for the divisions of a circumference into a certain number of equal parts.

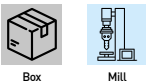
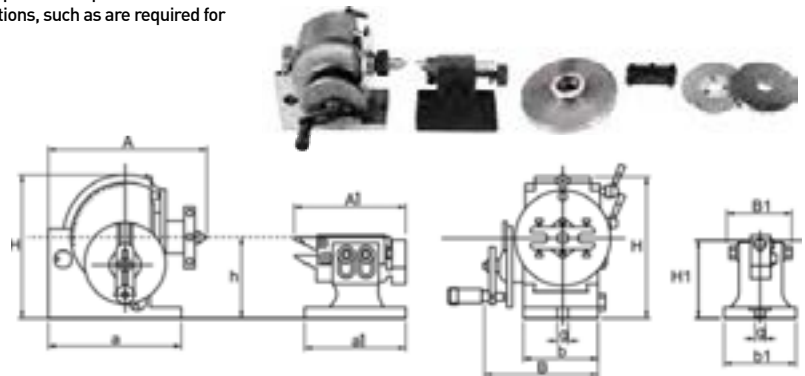


Art.	€	A	B	C	D	E	F	G	H	L	MT	N	P	Chuck sizes	Ratio	Capacity	Plates holes	Net weight
D004/100L	€ 2410,00	162 mm	14 mm	102 mm	87 mm	186 mm	95 mm	116 mm	100 mm	93 mm	3	30 mm	100 mm	∅ 125 mm	1:40	100 kg	24-25-28-30-34-37-38-39-41-42-43-46-47-49-51-53-54-57-58-59-62-66	67 kg
D004/125L	€ 2700,00	209 mm	18 mm	116 mm	98 mm	224 mm	117 mm	120 mm	125 mm	103 mm	4	34,5 mm	100 mm	∅ 160 mm	1:40	130 kg	24-25-28-30-34-37-38-39-41-42-43-46-47-49-51-53-54-57-58-59-62-66	119 kg
D004/160L	€ 3020,00	209 mm	18 mm	116 mm	98 mm	259 mm	152 mm	120 mm	160 mm	103 mm	4	34,5 mm	100 mm	∅ 200 mm	1:40	130 kg	24-25-28-30-34-37-38-39-41-42-43-46-47-49-51-53-54-57-58-59-62-66	125 kg

D006-

SEMI UNIVERSAL DIVIDING HEAD WITH TAILSTOCK AND DIVIDING PLATES

Chuck not included, equipped with hardened and ground worm screw and precision tapered roller bearings. allows the operator to perform exactly determined angular rotations, such as are required for the divisions of a circumference into a certain number of equal parts



Art.	€	A	B	H	h	a	b	G	A1	B1	H1	h1	a1	b1	Suitable chuck	g1	Hole	MT	Ratio	Head tilt left and right	Plates holes	Net weight
D006/100	€ 833,00	131 mm	173 mm	100 mm	166 mm	90 mm	16 mm	175 mm	87 mm	102 mm	100 mm	130 mm	82 mm	∅ 125 mm	16 mm	∅ 18 mm	2	1:40	-10° - 90°	15-16-17-18-19-20-21-23-27-29-31-33-37-39-41-43-47-49	16 kg	
D006/128	€ 1360,00	168 mm	220 mm	128 mm	206 mm	113 mm	16 mm	183 mm	87 mm	137 mm	128 mm	158 mm	110 mm	∅ 160 mm	16 mm	∅ 20 mm	3	1:40	-10° - 90°	15-16-17-18-19-20-21-23-27-29-31-33-37-39-41-43-47-49	30 kg	



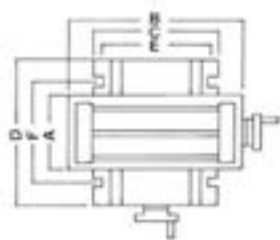
T013 € 1200,00

CROSS WORKING TABLE

With coolant channels. Adjustable handwheel graduation



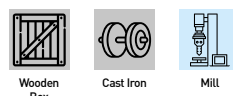
A	210 mm
B	730 mm
C	315 mm
D	395 mm
E	240 mm
F	300 mm
Slot	14 mm
Height	155 mm
Travels	160 x 360 mm
Reading	0,05 mm
Net weight	70 kg



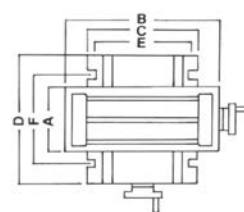
T014G € 1020,00

SWIVELING CROSS WORKING TABLE

Equipped with a swivel base. With coolant channels. Adjustable handwheel graduation



A	240 mm
B	600 mm
C	280 mm
D	340 mm
E	260 mm
F	250 mm
Slot	12 mm
Height	160 mm
Travels	155 x 370 mm
Reading	0,02 mm
Net weight	60 kg



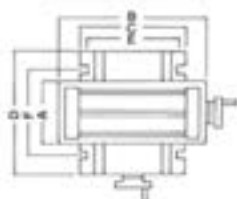
T015 **PRO** € 538,00

CROSS WORKING TABLE

With adjustable graduation of the handwheel. Equipped with conical gib with screw on the head and scraped guides for greater precision and better sliding



A	100 mm
B	185 mm
C	130 mm
D	170 mm
E	104 mm
F	103 mm
Slot	10 mm
Height	100 mm
Travels	50 x 80 mm
Reading	0,01 mm
Net weight	10 kg



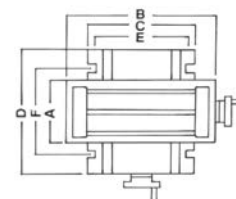
T015/E € 286,00

CROSS WORKING TABLE

With adjustable graduation of the handwheel



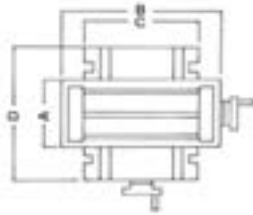
A	100 mm
b	185 mm
C	130 mm
D	173 mm
E	102 mm
F	100 mm
Slot	10 mm
Height	104 mm
Travels	50 x 80 mm
Reading	0,01 mm
Net weight	10 kg



T008 € 333,00
CROSS WORKING TABLE



A	153 mm
B	475 mm
C	200 mm
D	270 mm
Slot	16 mm
Slot distance	75 mm
Height	130 mm
Travels	120 x 325 mm
Base locating slot	162 mm
Net weight	23 kg

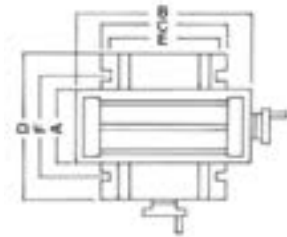


T018/350 € 158,00
CROSS WORKING TABLE

With fixed millimeter scale for longitudinal table movements



A	100 mm
B	350 mm
C	160 mm
D	190 mm
Height	120 mm
Slot	8 mm
Slot distance	36 mm
Travels	177 x 50 mm
Reading	0.05 mm
Overall dimensions	415 x 255 mm
Net weight	6 kg

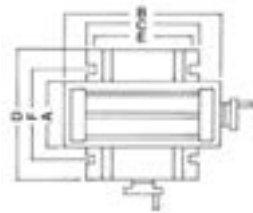


T018/330 € 84,20
CROSS WORKING TABLE

With fixed millimeter scale for longitudinal table movements



A	95 mm
B	330 mm
C	125 mm
D	145 mm
Height	82 mm
Slot	8 mm
Slot distance	36 mm
Travels	190 x 65 mm
Reading	0,05 mm
Overall dimensions	395 x 210 mm
Net weight	2,5 kg



T004-
ADJUSTABLE ANGLE PLATE

With tilting regulation on both sides



Art.	€	Dimensions	Slot	Tilting	Net weight
T004/250	€ 392,00	255 x 180 x 135h mm	12 mm	± 36°	15 kg
T004/380	€ 595,00	380 x 250 x 180h mm	16 mm	± 36°	45 kg
T004/600	€ 1010,00	610 x 305 x 253h mm	16 mm	± 36°	105 kg



NEW

P077-
PERMANENT MAGNETIC CHUCK



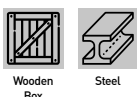
Art.	€	Dimensions	Magnetic force	Pole pitch	Net weight
P077/1525	€ 693,00	250 x 150 x 60 mm	180 N/cm2	3 + 12 mm	17 Kg
P077/1530	€ 825,00	300 x 150 x 60 mm	180 N/cm2	3 + 12 mm	20 Kg
P077/2040	€ 1460,00	400 x 200 x 60 mm	180 N/cm2	3 + 12 mm	37 Kg
P077/3050	€ 2750,00	500 x 300 x 60 mm	180 N/cm2	3 + 12 mm	65 Kg
P077/3060	€ 3300,00	600 x 300 x 60 mm	180 N/cm2	3 + 12 mm	80 Kg



NEW

P078-
PERMANENT MAGNETIC CHUCK

With fixed polarity. It allows the machining of small and low thickness pieces due to fine pitch



Art.	€	Dimensions	Magnetic force	Pole pitch	Net weight
P078/1525	€ 451,00	250 x 150 x 48 mm	120 N/cm2	0,5 + 1,5 mm	16 Kg
P078/1530	€ 534,00	300 x 150 x 48 mm	120 N/cm2	0,5 + 1,5 mm	17 Kg
P078/1535	€ 600,00	350 x 150 x 48 mm	120 N/cm2	0,5 + 1,5 mm	20 Kg
P078/1540	€ 671,00	400 x 150 x 51 mm	120 N/cm2	0,5 + 1,5 mm	24 Kg
P078/1545	€ 781,00	450 x 150 x 51 mm	120 N/cm2	0,5 + 1,5 mm	27 Kg
P078/2045	€ 1100,00	450 x 200 x 51 mm	120 N/cm2	0,5 + 1,5 mm	38 Kg
P078/2050	€ 1210,00	500 x 200 x 58 mm	120 N/cm2	0,5 + 1,5 mm	57 Kg
P078/2060	€ 1430,00	600 x 200 x 58 mm	120 N/cm2	0,5 + 1,5 mm	55 Kg



NEW

P079-
MAGNETIC TOP WITH BREAST BAR



Art.	€	Dimensions	Pole pitch	Tilting	Net weight
P079/1515	€ 880,00	150 x 150 x 86 mm	0,5 + 1,5 mm	0° - 60°	17 Kg
P079/1530	€ 1210,00	150 x 300 x 86 mm	0,5 + 1,5 mm	0° - 60°	32 Kg



K001-
CLAMPING KIT

Consisting of: 24 tie rods, 6 T-nuts, 6 low nuts, 4 joint sleeves, 6 simple brackets, 12 stair supports, practical wall support



Art.	€	Slot	Thread
K001/12	€ 114,00	12 mm	M10
K001/14	€ 127,00	14 mm	M12
K001/16	€ 148,00	16 mm	M14
K001/18	€ 185,00	18 mm	M16



k002-
CLAMPING SET

Consisting of 2 stepped supports, 2 tie rods and 2 T-head bolts and flanged nuts. To fix the elements to be milled on boards



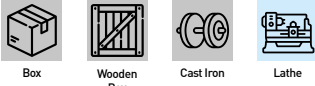
Art.	€	2 Step blocks	2 Clamp	2 Studs with Tee nuts	Slot
K002/08	€ 30,70	25 x 25 x 42 mm	90 x 25 x 12 mm	M6 x 100 mm	8 mm
K002/10	€ 32,80	25 x 25 x 42 mm	100 x 25 x 15 mm	M8 x 100 mm	10 mm
K002/12	€ 36,00	25 x 25 x 42 mm	100 x 25 x 15 mm	M10 x 100 mm	12 mm
K002/14	€ 42,30	25 x 25 x 42 mm	100 x 31 x 19 mm	M12 x 100 mm	14 mm



FD0x-

MOUNTING WITH STUD

Camlock DIN 55029 to short cone with raw spindle side



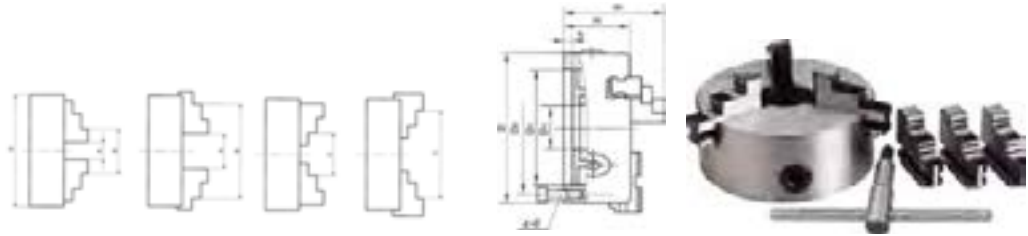
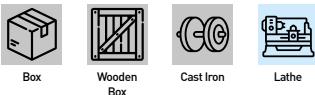
Art.	€	Cam lock Type	Size	Thickness	Pins
FD04/200	€ 196,00	4"	Ø 200 mm	28 mm	Ø 15,9 mm
FD05/200	€ 196,00	5"	Ø 200 mm	30 mm	Ø 19 mm
FD05/250	€ 269,00	5"	Ø 250 mm	30 mm	Ø 19 mm
FD06/250	€ 275,00	6"	Ø 250 mm	30 mm	Ø 22 mm
FD06/380	€ 366,00	6"	Ø 400 mm	30 mm	Ø 22 mm
FD08/250	€ 278,00	8"	Ø 250 mm	30 mm	Ø 25,4 mm
FD08/320	€ 319,00	8"	Ø 320 mm	30 mm	Ø 25,4 mm
FD08/380	€ 486,00	8"	Ø 400 mm	30 mm	Ø 25,4 mm
FD08/500	€ 559,00	8"	Ø 500 mm	36 mm	Ø 25,4 mm
FD11/320	€ 338,00	11"	Ø 320 mm	30 mm	Ø 30,0 mm
FD11/400	€ 465,00	11"	Ø 400 mm	30 mm	Ø 30,0 mm
FD11/500	€ 595,00	11"	Ø 500 mm	36 mm	Ø 30 mm



M049-

PRECISION SELF CENTERING

Single guide. integral jaws, concentric clamping, equipped with 1 series consisting of 3 internal jaws, 1 series consisting of 3 external jaws and tightening key

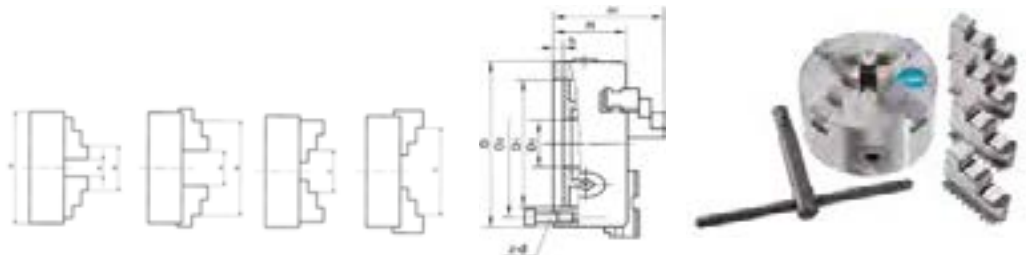
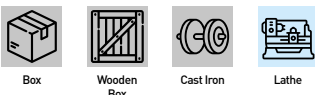


Art.	€	D1	D2	D3	H1	H	h	z-d	Spanner square	A - A1	B - B1	C - C1	Net weight
M049/080	€ 170,00	55 mm	66 mm	16 mm	66 mm	50 mm	3,5 mm	3-M6 mm	8 mm	2 - 22 mm	25 - 70 mm	22 - 63 mm	1,6 kg
M049/100	€ 190,00	72 mm	84 mm	22 mm	74,5 mm	55 mm	3,5 mm	3-M8 mm	8 mm	2 - 30 mm	30 - 90 mm	30 - 80 mm	3 kg
M049/125	€ 201,00	95 mm	108 mm	30 mm	78 mm	55 mm	3,5 mm	3-M8 mm	10 mm	2,5 - 40 mm	38 - 125 mm	38 - 110 mm	4,8 kg
M049/160	€ 265,00	130 mm	142 mm	40 mm	95 mm	65 mm	5 mm	3-M8 mm	12 mm	3 - 55 mm	50 - 160 mm	55 - 145 mm	8,5 kg
M049/200	€ 366,00	165 mm	180 mm	60 mm	109 mm	75 mm	6 mm	3-M10 mm	12 mm	4 - 85 mm	65 - 200 mm	65 - 200 mm	14,5 kg
M049/250	€ 426,00	206 mm	226 mm	80 mm	120 mm	80 mm	5 mm	3-M12 mm	12 mm	6 - 110 mm	80 - 250 mm	90 - 250 mm	24 kg
M049/320	€ 754,00	270 mm	290 mm	100 mm	142 mm	90 mm	11 mm	3-M16 mm	13 mm	10 - 140 mm	95 - 320 mm	100 - 320 mm	45 kg
M049/400	€ 1170,00	340 mm	368 mm	130 mm	158 mm	100 mm	8 mm	3-M16 mm	15 mm	15 - 210 mm	120 - 400 mm	120 - 400 mm	72 kg

M449-

SELF CENTERING CHUCK

Single guide. integral jaws, concentric clamping, equipped with 1 series consisting of 4 internal jaws, 1 series consisting of 4 external jaws and tightening key

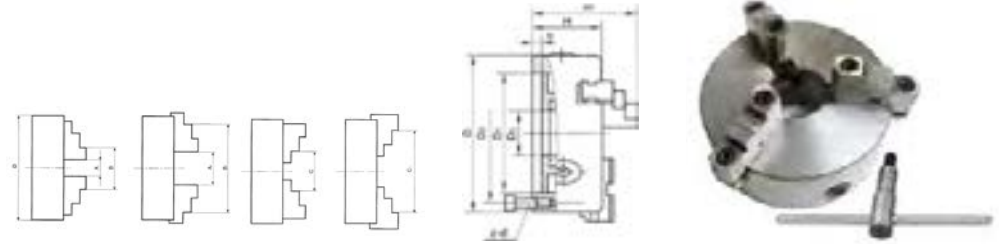
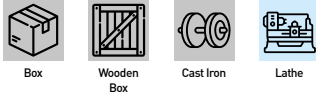


Art.	€	D	D1	D2	D3	H1	H	h	z-d	Spanner square	A - A1	B - B1	C - C1	Net weight
M449/080	€ 178,00	80 mm	55 mm	66 mm	16 mm	66 mm	50 mm	3,5 mm	3 - M6 mm	8 mm	2 - 22 mm	25 - 70 mm	22 - 63 mm	1,8 kg
M449/100	€ 201,00	100 mm	72 mm	84 mm	22 mm	74,5 mm	55 mm	4,5 mm	3 - M8 mm	8 mm	2 - 30 mm	30 - 90 mm	30 - 80 mm	3 kg
M449/125	€ 232,00	125 mm	95 mm	108 mm	30 mm	84 mm	58 mm	4 mm	3 - M8 mm	10 mm	2,5 - 40 mm	38 - 125 mm	38 - 110 mm	5 kg
M449/160	€ 292,00	160 mm	130 mm	142 mm	40 mm	95 mm	65 mm	5 mm	3 - M8 mm	10 mm	3 - 55 mm	50 - 160 mm	55 - 145 mm	8,5 kg
M449/200	€ 413,00	200 mm	165 mm	187 mm	65 mm	109 mm	75 mm	5 mm	3 - M10 mm	12 mm	4 - 85 mm	65 - 200 mm	65 - 200 mm	15 kg
M449/250	€ 534,00	250 mm	206 mm	226 mm	80 mm	120 mm	80 mm	5 mm	3 - M12 mm	12 mm	6 - 110 mm	80 - 250 mm	90 - 250 mm	24 kg
M449/320	€ 918,00	320 mm	270 mm	290 mm	100 mm	142 mm	90 mm	6 mm	3-M16 mm	14 mm	10 - 140 mm	95 - 320 mm	100 - 320 mm	45 kg
M449/400	€ 1420,00	400 mm	340 mm	368 mm	130 mm	158 mm	100 mm	6 mm	3-M16 mm	17 mm	15 - 210 mm	120 - 400 mm	120 - 400 mm	74 kg

M005-

PRECISION SELF CENTERING CHUCK

With single guide, equipped with 3 clamps with base in hardened steel and internal - external reversible jaws, tightening wrench and jaw fixing screws

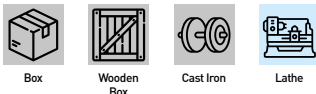


Art.	€	D1	D2	D3	H1	H	h	z-d	Spanner square	A - A1	B - B1	C - C1	Net weight
M005/200	€ 366,00	165 mm	180 mm	65 mm	122 mm	75 mm	5 mm	3-M10 mm	12 mm	4 - 85 mm	65 - 200 mm	65 - 200 mm	12 kg
M005/250	€ 426,00	206 mm	226 mm	80 mm	135 mm	80 mm	5 mm	3-M12 mm	12 mm	6 - 110 mm	80 - 250 mm	90 - 250 mm	20 kg
M005/320	€ 672,00	270 mm	290 mm	100 mm	135 mm	90 mm	6 mm	3-M16 mm	14 mm	10 - 140 mm	95 - 320 mm	100 - 320 mm	42 kg
M005/400	€ 1080,00	340 mm	368 mm	130 mm	172 mm	100 mm	8 mm	3-M16 mm	17 mm	15 - 210 mm	120 - 400 mm	120 - 400 mm	68 kg
M005/500	€ 1840,00	440 mm	465 mm	200 mm	202 mm	115 mm	6 mm	6-M16 mm	17 mm	25 - 280 mm	150 - 500 mm	150 - 500 mm	110 kg
M005/630	€ 5200,00	560 mm	595 mm	260 mm	218 mm	130 mm	7 mm	6-M16 mm	19 mm	50 - 350 mm	170 - 630 mm	170 - 630 mm	200 kg

P444-

4 JAW INDEPENDENT CHUCK

With screw control, flange connection, reversible simple guide jaws for internal and external gripping. Equipped with jaw key and fixing screws



Art.	€	D	D1	D2	D3	H1	H	h	z-d	Spanner square	Net weight
P444/160	€ 229,00	160 mm	65 mm	95 mm	45 mm	97 mm	67 mm	4 mm	4 - M10 mm	10 mm	8 kg
P444/200	€ 299,00	200 mm	75 mm	95 mm	56 mm	107 mm	75 mm	6 mm	4 - M10 mm	10 mm	14 kg
P444/250	€ 399,00	250 mm	110 mm	130 mm	75 mm	120 mm	80 mm	6 mm	4 - M12 mm	12 mm	21,5 kg
P444/320	€ 640,00	320 mm	140 mm	165 mm	95 mm	134 mm	90 mm	6 mm	4 - M16 mm	14 mm	40 kg
P444/400	€ 838,00	400 mm	160 mm	185 mm	125 mm	141 mm	95 mm	8 mm	4 - M16 mm	14 mm	63 kg

M049-xST

3 SOLID SOFT JAWS SET

For self-centering chucks with simple guide



Art.	€	Diameter
M049/125ST	€ 91,80	Ø 125 mm
M049/160ST	€ 102,00	Ø 160 mm

M049-xGBD

3 SOFT JAWS SET

With base in hardened steel, for self-centering chuck with simple guide



Art.	€	Diameter
M049/200GBD	€ 178,00	Ø 200 mm
M049/250GBD	€ 235,00	Ø 250 mm
M049/320GBD	€ 329,00	Ø 320 mm
M049/400GBD	€ 423,00	Ø 400 mm

M449-xST

4 SOLID SOFT JAWS SET

For self-centering chucks with simple guide



Steel



Art.	€	Diameter
M449/125ST	€ 113,00	Ø 125 mm
M449/160ST	€ 132,00	Ø 160 mm

M449-xGBD

4 SOFT JAWS SET

With base in hardened steel, for self-centering chuck with simple guide



Steel



Art.	€	Diameter
M449/200GBD	€ 265,00	Ø 200 mm
M449/250GBD	€ 351,00	Ø 250 mm
M449/320GBD	€ 520,00	Ø 320 mm
M449/400GBD	€ 662,00	Ø 400 mm

2622x

SOFT TOP JAW FOR CHUCKS

Applicable on hard jaws



Steel



Art.	€	Ø	Slot distance
M075/160T	€ 24,90	160 mm	38,1 mm
M075/200T	€ 27,50	200 mm	44,50 mm
M075/250T	€ 29,70	250 mm	54 mm
M075/315T	€ 37,20	315 mm	63,5 mm
262206R	€ 75,60	400 mm	76,2 mm
262207R	€ 105,00	500 - 630 mm	76,2 mm

0563-

LATHE CHUCK KEY

For spindles, with safety spring



Steel



Burnished



Lathe



Art.	€	Spanner square	Dimensions
0563/08	€ 11,90	8 mm	61 x 120 mm
0563/10	€ 15,10	10 mm	120 x 210 mm
0563/12	€ 17,80	12 mm	155 x 300 mm
0563/13	€ 20,10	13 mm	120 x 300 mm
0563/14	€ 23,30	14 mm	130 x 350 mm
0563/17	€ 26,50	17 mm	130 x 400 mm
0563/19	€ 29,70	19 mm	200 x 500 mm

0425-

4 JAW SELF-CENTERING CHUCK

For wood lathe, Ø 125mm.



Box



Steel



Art.	€	Ø	Clamp capacity	Thread
0425/100	€ 191,00	95 mm	Int. 32 - 45 mm - Ext. 68 - 85 mm	1" - 8 TPI
0425/125	€ 217,00	125 mm	Int. 50 - 70 mm - Ext. 85 - 110 mm	1" - 8 TPI e M33 x 3,5

0751/A4

CHUCK FOR LATHE

€ 122,00



Box



Steel



4 jaw reversible self centering chuck	Ø 125 mm
Thread	1" - 8 TPI
Hole	Ø 22 mm

0751/P

€ 65,30

CHUCK FOR LATHE



Box



Steel



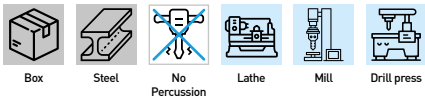
4 jaw independent reversible chuck	Ø 150 mm
Thread	1" - 8 TPI
Hole	Ø 22 mm

M051-

PRO

HIGH PRECISION 3 JAWS KEYLESS DRILL CHUCK

For industrial use, even in the most severe conditions of use Sliding parts entirely hardened and ground. Spindle jaw hardness HRC58



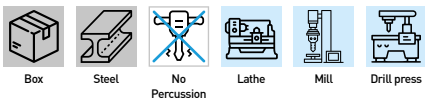
Art.	€	Capacity	Taper DIN	Dimensions
M051/08	€ 55,40	0,5 ÷ 8 mm	B 12	Ø 39 x 80 mm
M051/10	€ 55,40	1 ÷ 10 mm	B 12	Ø 44.5 x 82 mm
M051/13	€ 65,10	1 ÷ 13 mm	B 16	Ø 49.5 x 91 mm
M051/16	€ 78,50	1 ÷ 16 mm	B 18	Ø 54 x 102.5 mm
M051/20	€ 101,00	1 ÷ 20 mm	B 22	Ø 59 x 119 mm



M042-

NEW

LIGHT DUTY PROFESSIONAL SELF-TIGHTENING KEYLESS DRILL CHUCKS



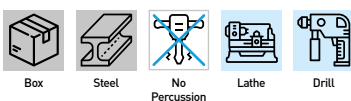
Art.	€	Capacity	Taper DIN
M042/08	€ 46,60	0.5 ÷ 8 mm	B12
M042/10	€ 47,70	1 ÷ 10 mm	B12
M042/13	€ 54,60	1 ÷ 13 mm	B16
M042/16	€ 65,70	3 ÷ 16 mm	B18
M042/20	€ 87,50	5 ÷ 20 mm	B22



M052-

NEW

KEY TYPE TAPER HOLE DRILL CHUCKS



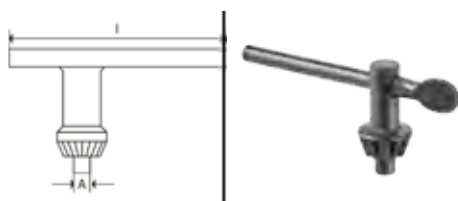
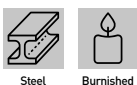
Art.	€	Capacity	Taper DIN	Dimensions
M052/10	€ 14,70	1 ÷ 10 mm	B12	Ø 39 x 80 mm
M052/13	€ 19,30	1 ÷ 13 mm	B16	Ø 41.5 x 95.4 mm
M052/16	€ 23,10	3 ÷ 16mm	B 18	Ø 49 x 108.2 mm
M052/20	€ 35,00	5 ÷ 20 mm	B22	Ø 54 x 114.1 mm



0711-

NEW

DRILL CHUCKS KEYS

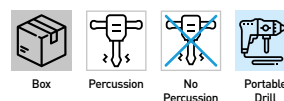


Art.	€	l	A
0711/06	€ 1,38	56 mm	5 mm
0711/10	€ 1,59	56 mm	5 mm
0711/13	€ 1,96	80 mm	6 mm
0711/16	€ 2,33	90 mm	7 mm
0711/20	€ 3,71	120 mm	8 mm

M050/13

€ 15,60

KEYLESS CHUCK



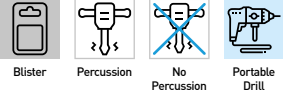
Capacity	2 ÷ 13 mm
Shank	1/2 20 UNF



M080-

KEYLESS CHUCK WITH LOCK

For double rotation and percussion use. Keyless quick locking with radial locking by rotating the spindle body. Body covered in synthetic material and operating parts in steel with left fixing screw



Art.	€	Capacity	Shank
M080/10	€ 17,60	0,8 ÷ 10 mm	3/8 24 UNF
M080/13	€ 19,00	2 ÷ 13 mm	1/2 20 UNF

1-xA

MORSE TAPER ADAPTER

DIN 69871/A, balanced chuck body, with extraction slot for tools

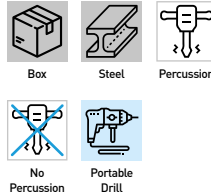


Art.	€	ISO	MT	D	L	Balancing rpm
1/1A40	€ 95,30	40	1	25 mm	45 mm	12000
1/2A40	€ 95,30	40	2	32 mm	60 mm	12000
1/3A40	€ 95,30	40	3	40 mm	75 mm	12000
1/4A40	€ 95,30	40	4	50 mm	98 mm	12000
1/2A50	€ 192,00	50	2	32 mm	40 mm	12000
1/3A50	€ 192,00	50	3	40 mm	50 mm	12000
1/4A50	€ 192,00	50	4	48 mm	95 mm	12000
1/5A50	€ 192,00	50	5	63 mm	110 mm	12000

NEW

M081-

KEY TYPE TAPER HOLE DRILL CHUCKS



Art.	€	Capacity	Shank
M081/13	€ 10,10	1÷13mm	1/2" 20 UNF
M081/13A	€ 10,10	1÷13mm	3/8" 24 UNF

1-xD

MORSE TAPER ADAPTER

MAS-403 BT, balanced chuck body, with extraction slot for tools



Art.	€	BT	MT	D	L	Balancing rpm
1/1D40	€ 136,00	40	1	25 mm	45 mm	12000
1/2D40	€ 136,00	40	2	32 mm	60 mm	12000
1/3D40	€ 136,00	40	3	40 mm	75 mm	12000
1/4D40	€ 136,00	40	4	50 mm	98 mm	12000
1/2D50	€ 140,00	50	2	32 mm	40 mm	12000
1/3D50	€ 140,00	50	3	40 mm	75 mm	12000
1/4D50	€ 156,00	50	4	50 mm	80 mm	12000
1/5D50	€ 184,00	50	5	63 mm	110 mm	12000

ST45-xL

EXTENDED MORSE TAPER ADAPTERS

For mounting tools with tapered shank DIN 2187 vices



Art.	€	MT External	MT Internal	L	l	D
ST45/2/1L	€ 17,80	2	1	160 mm	85 mm	20 mm
ST45/2/2L	€ 21,70	2	2	175 mm	90 mm	30 mm
ST45/2/3L	€ 24,70	2	3	196 mm	121 mm	36 mm
ST45/3/1L	€ 23,30	3	1	175 mm	81 mm	20 mm
ST45/3/2L	€ 24,70	3	2	194 mm	100 mm	30 mm
ST45/3/3L	€ 34,70	3	3	215 mm	121 mm	36 mm
ST45/3/4L	€ 44,50	3	4	240 mm	146 mm	48 mm
ST45/4/1L	€ 36,10	4	1	200 mm	82,5 mm	20 mm
ST45/4/2L	€ 37,20	4	2	215 mm	97,5 mm	30 mm
ST45/4/3L	€ 45,00	4	3	240 mm	122,5 mm	36 mm
ST45/4/4L	€ 50,00	4	4	265 mm	147,5 mm	48 mm
ST45/4/5L	€ 71,70	4	5	300 mm	182,5 mm	63 mm
ST45/5/1L	€ 58,40	5	1	232 mm	82,5 mm	20 mm
ST45/5/2L	€ 59,40	5	2	247 mm	97,5 mm	30 mm
ST45/5/3L	€ 59,40	5	3	268 mm	118,5 mm	36 mm
ST45/5/4L	€ 67,30	5	4	300 mm	150,5 mm	48 mm
ST45/5/5L	€ 98,40	5	5	335 mm	185,5 mm	63 mm
ST45/5/6L	€ 169,00	5	6	396 mm	247 mm	82 mm

A001-

PRECISION DRILL CHUCK SHANK

For spindles with taper shank DIN 238



Art.	€	Spindle taper MT	Taper DIN
A001/2/12	€ 9,00	2	B12
A001/2/16	€ 10,20	2	B16
A001/2/18	€ 10,60	2	B18
A001/3/12	€ 15,80	3	B12
A001/3/16	€ 15,80	3	B16
A001/3/18	€ 15,80	3	B18
A001/3/22	€ 15,80	3	B22
A001/4/16	€ 19,00	4	B16
A001/4/18	€ 19,00	4	B18
A001/4/22	€ 19,00	4	B22

ST45-

PRECISION MORSE TAPER REDUCTION SLEEVE

For mounting tools with tapered shank DIN 2185 vices



Art.	€	MT External	MT Internal
ST45/2/1	€ 11,30	2	1
ST45/3/1	€ 13,80	3	1
ST45/3/2	€ 14,70	3	2
ST45/4/1	€ 19,00	4	1
ST45/4/2	€ 19,00	4	2
ST45/4/3	€ 19,00	4	3
ST45/5/3	€ 30,30	5	3
ST45/5/4	€ 30,30	5	4

E002-

DRIFT SLEEVES

DIN 317, for cone extraction



Art.	€	MT
E002/12	€ 7,80	1-2
E002/3	€ 7,80	3
E002/4	€ 11,30	4

3-CM

COLLET CHUCK

DIN 228/A for mounting tools with cylindrical shank on DIN 6499 (ER) collets. Supplied with locking ferrule



Art.	€	Pliers	D	L	L1	F	A
3/CM2	€ 87,90	ER 32	50 mm	135 mm	60 mm	M 10	3/20 mm
3/CM3	€ 87,90	ER 32	50 mm	146 mm	60 mm	M 12	3/20 mm
3/CM4	€ 98,70	ER 32	50 mm	166 mm	58 mm	M 16	3/20 mm

3A40-

COLLET CHUCK

DIN 69871/A, for mounting tools with cylindrical shank on DIN 6499 (ER) collets. Supplied with locking ferrule



Art.	€	Pliers	A	D	L	F	Balancing rpm
3A40/16	€ 70,30	ER 16	1/10 mm	28 mm	100 mm	M 16	12000
3A40/20	€ 70,30	ER 20	2/13 mm	34 mm	100 mm	M 16	12000
3A40/25	€ 70,30	ER 25	2/16 mm	42 mm	100 mm	M 16	12000
3/A/40	€ 111,00	ER 32	3/20 mm	50 mm	72 mm	M 16	12000

3/B/40

€ 102,00

COLLET CHUCK

DIN 2080, for mounting tools with cylindrical shank on DIN 6499 (ER) collets. Supplied with locking ferrule

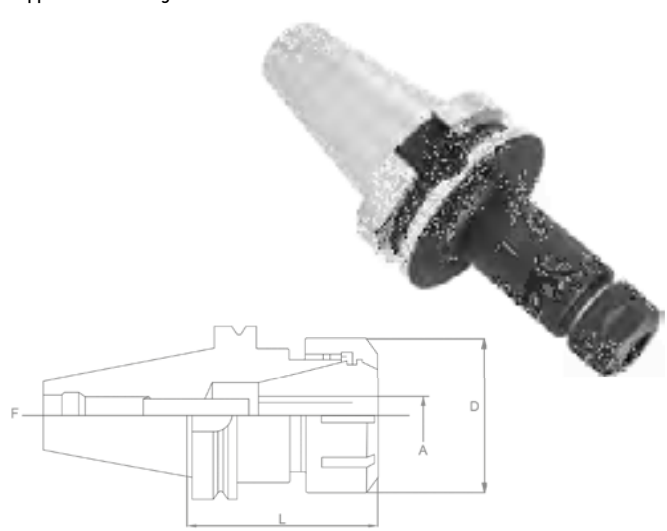


Pliers	ER 32
A	3/20 mm
D	50 mm
L	65 mm
F	M 16
Balancing rpm	2000

3D40-

COLLET CHUCK

MAS-403 BT, for mounting tools with cylindrical shank on DIN 6499 (ER) collets. Supplied with locking ferrule



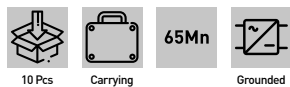
Art.	€	Pliers	A	D	L	F	Balancing rpm
3D40/16	€ 70,30	ER 16	1/10 mm	28 mm	100 mm	M 16	12000
3D40/20	€ 70,30	ER 20	2/13 mm	34 mm	100 mm	M 16	12000
3D40/25	€ 70,30	ER 25	2/16 mm	42 mm	100 mm	M 16	12000
3/D/40	€ 111,00	ER 32	3/20 mm	50 mm	63 mm	M 16	12000

PR16/10P

€ 86,70

ER16 SPRING COLLET SET

ER16 DIN 6499/B, usable with collet chucks



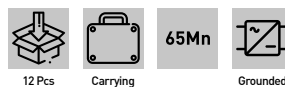
Sizes \emptyset 1-2-3-4-5-6-7-8-9-10 mm

PR20/12P

€ 96,80

ER20 SPRING COLLET SET

ER16 DIN 6499/B, usable with collet chucks



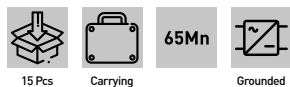
Sizes \emptyset 2-3-4-5-6-7-8-9-10-11-12-13 mm

PR25/15P

€ 127,00

ER25 SPRING COLLET SET

ER25 DIN 6499/B, usable with collet chucks



Sizes \emptyset 2-3-4-5-6-7-8-9-10-11-12-13-14-15-16mm

P032/7P

€ 117,00

ER32 SPRING COLLET SET

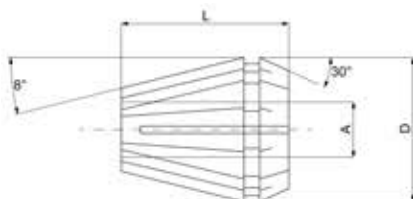


Sizes 4-6-8-10-12-16-20 mm

P032-

SPRING COLLET

ER32 DIN 6499-B, usable with collet chucks

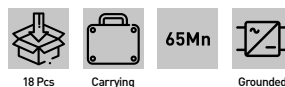


Art.	€	Capacity A	D	L
P032/03	€ 14,30	2-3 mm	33 mm	40 mm
P032/04	€ 14,30	3-4 mm	33 mm	40 mm
P032/05	€ 14,30	4-5 mm	33 mm	40 mm
P032/06	€ 14,30	5-6 mm	33 mm	40 mm
P032/07	€ 14,30	6-7 mm	33 mm	40 mm
P032/08	€ 14,30	7-8 mm	33 mm	40 mm
P032/09	€ 14,30	8-9 mm	33 mm	40 mm
P032/10	€ 14,30	9-10 mm	33 mm	40 mm
P032/11	€ 14,30	10-11 mm	33 mm	40 mm
P032/12	€ 14,30	11-12 mm	33 mm	40 mm
P032/13	€ 14,30	12-13 mm	33 mm	40 mm
P032/14	€ 14,30	13-14 mm	33 mm	40 mm
P032/15	€ 14,30	14-15 mm	33 mm	40 mm
P032/16	€ 14,30	15-16 mm	33 mm	40 mm
P032/17	€ 14,30	16-17 mm	33 mm	40 mm
P032/18	€ 14,30	17-18 mm	33 mm	40 mm
P032/19	€ 14,30	18-19 mm	33 mm	40 mm
P032/20	€ 14,30	19-20 mm	33 mm	40 mm

P032/18P

€ 245,00

ER32 SPRING COLLET SET



Sizes 3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20 mm

G0x

SPARE RING

ER DIN 6499.



Art.	€
G016	€ 9,40
G020	€ 10,30
G025	€ 14,10
G032	€ 35,40



CHERx

LOCK RING DRIVING KEY

DIN 6499.



Art.	€
CHER25	€ 15,10
CHER32	€ 19,20



16-CM

TAPER SHANK SHELL END MILL ADAPTER

DIN 228/A for cylindrical end mills according to DIN 481, for milling cutters with longitudinal groove DIN 1880 and for insert milling cutters DIN 1830. Supplied with cross screw, drive ring and key



Art.	€	d - h6	Spindle taper MT	F	H
16/CM3	€ 93,10	16 mm	3	M 12	40 mm
16/CM4	€ 93,10	16 mm	4	M 16	55 mm
22/CM3	€ 93,10	22 mm	3	M 12	50 mm
22/CM4	€ 93,10	22 mm	4	M 16	55 mm
27/CM3	€ 93,10	27 mm	3	M 12	50 mm
27/CM4	€ 93,10	27 mm	4	M 16	55 mm

16Ax

ARBOR FOR MILLING CUTTERS

DIN 69871/A, balanced chuck body, for cylindrical end mills according to DIN 481, for milling cutters with longitudinal groove DIN 1880 and for insert milling cutters DIN 1830. Supplied with cross screw, drive ring and key



Art.	€	ISO	d-h6	L	L1	Balancing rpm
16A40	€ 108,00	40	16 mm	27 mm	35 mm	12000
22A40	€ 108,00	40	22 mm	31 mm	41 mm	12000
27A40	€ 108,00	40	27 mm	33 mm	41 mm	12000
32A40	€ 120,00	40	32 mm	38 mm	45 mm	12000
16A50	€ 150,00	50	16 mm	27 mm	35 mm	12000
22A50	€ 150,00	50	22 mm	31 mm	35 mm	12000
27A50	€ 150,00	50	27 mm	33 mm	35 mm	12000
32A50	€ 160,00	50	32 mm	38 mm	40 mm	12000
40A50	€ 175,00	50	40 mm	41 mm	40 mm	12000

16-B

ARBOR FOR MILLING CUTTERS

DIN 2080, balanced chuck body, for cylindrical end mills according to DIN 481, for milling cutters with longitudinal groove DIN 1880 and for insert milling cutters DIN 1830. Supplied with cross screw, drive ring and key

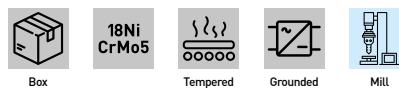


Art.	€	ISO	d - h6	L	L1	Balancing rpm
16/B40	€ 119,00	40	16 mm	27 mm	35 mm	2000
22/B40	€ 119,00	40	22 mm	31 mm	39 mm	2000
27/B40	€ 119,00	40	27 mm	33 mm	40 mm	2000
32/B40	€ 119,00	40	32 mm	38 mm	40 mm	2000
16/B50	€ 144,00	50	16 mm	27 mm	35 mm	2000
22/B50	€ 144,00	50	22 mm	31 mm	35 mm	2000
27/B50	€ 144,00	50	27 mm	33 mm	35 mm	2000
32/B50	€ 154,00	50	32 mm	38 mm	40 mm	2000
40/B50	€ 166,00	50	40 mm	41 mm	40 mm	2000

16-D

ARBOR FOR MILLING CUTTER

MAS-403 BT, balanced chuck body, for cylindrical end mills according to DIN 481, for milling cutters with longitudinal groove DIN 1880 and for insert milling cutters DIN 1830. Supplied with cross screw, drive ring and key



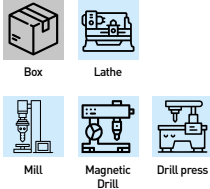
Art.	€	BT	d - h6	L	L1	Balancing rpm
16/D40	€ 108,00	40	16 mm	27 mm	35 mm	12000
22/D40	€ 108,00	40	22 mm	31 mm	35 mm	12000
27/D40	€ 108,00	40	27 mm	33 mm	35 mm	12000
32/D40	€ 120,00	40	32 mm	38 mm	40 mm	12000
16/D50	€ 151,00	50	16 mm	27 mm	35 mm	12000
22/D50	€ 151,00	50	22 mm	31 mm	35 mm	12000
27/D50	€ 161,00	50	27 mm	33 mm	35 mm	12000
32/D50	€ 161,00	50	32 mm	38 mm	40 mm	12000
40/D50	€ 172,00	50	40 mm	41 mm	40 mm	12000



M004-

HOLE CUTTER SHANK WITH COOLANT SYSTEM AND WELDON SHANK

With system for the lubrication of the cutter from the inside during drilling

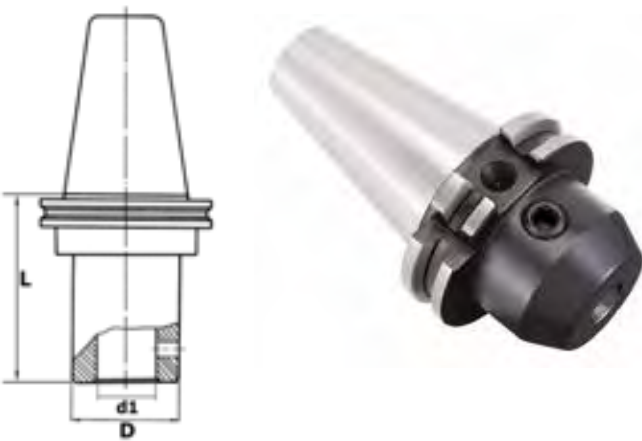


Art.	€	Spindle taper MT	Total length	Female junction
M004/2	€ 177,00	2	170,5 mm	Weldon 19,05 mm
M004/3	€ 177,00	3	190,5 mm	Weldon 19,05 mm

4-

WELDON SHANK TOOL HOLDER

DIN 69871/A, balanced chuck body, for milling cutters (Weldon) according to DIN 1835 B and DIN 6535 HB. Supplied with tightening screw

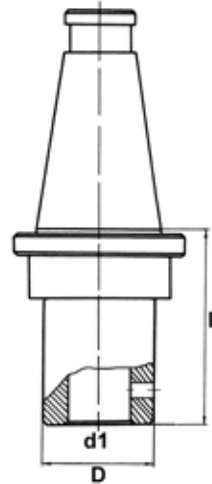


Art.	€	ISO	d1 - h6	D	L	Balancing rpm
4/06A40	€ 87,90	40	6 mm	25 mm	60 mm	12000
4/08A40	€ 87,90	40	8 mm	28 mm	60 mm	12000
4/10A40	€ 87,90	40	10 mm	35 mm	50 mm	12000
4/12A40	€ 87,90	40	12 mm	42 mm	60 mm	12000
4/14A40	€ 87,90	40	14 mm	42 mm	70 mm	12000
4/16A40	€ 87,90	40	16 mm	48 mm	70 mm	12000
4/18A40	€ 87,90	40	18 mm	48 mm	70 mm	12000
4/20A40	€ 87,90	40	20 mm	52 mm	63 mm	12000
4/25A40	€ 87,90	40	25 mm	40 mm	100 mm	12000
4/32A40	€ 87,90	40	32 mm	72 mm	100 mm	12000
4/06A50	€ 121,00	50	6 mm	25 mm	65 mm	12000
4/08A50	€ 121,00	50	8 mm	28 mm	65 mm	12000
4/10A50	€ 121,00	50	10 mm	35 mm	70 mm	12000
4/12A50	€ 121,00	50	12 mm	42 mm	75 mm	12000
4/14A50	€ 121,00	50	14 mm	42 mm	75 mm	12000
4/16A50	€ 121,00	50	16 mm	48 mm	80 mm	12000
4/18A50	€ 121,00	50	18 mm	48 mm	80 mm	12000
4/20A50	€ 121,00	50	20 mm	52 mm	80 mm	12000
4/25A50	€ 128,00	50	25 mm	65 mm	100 mm	12000
4/32A50	€ 128,00	50	32 mm	72 mm	105 mm	12000
4/40A50	€ 139,00	50	40 mm	80 mm	120 mm	12000

4-xB

WELDON SHANK TOOL HOLDER

MAS-403 BT, balanced chuck body, for milling cutters (Weldon) according to DIN 1835 B and DIN 6535 HB. Supplied with tightening screw

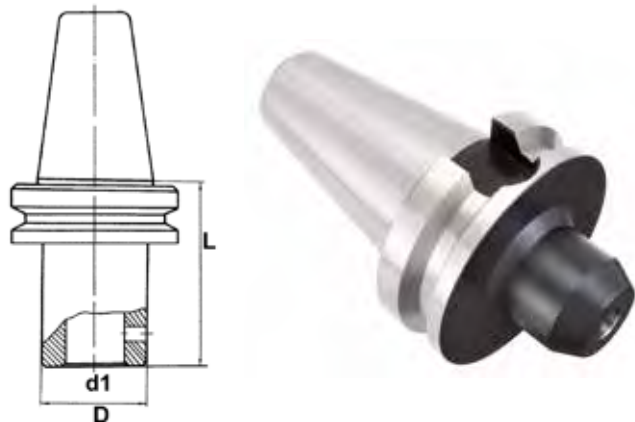


Art.	€	ISO	d1 - h6	D	L	Balancing rpm
4/06B40	€ 118,00	40	6 mm	25 mm	50 mm	2000
4/08B40	€ 118,00	40	8 mm	28 mm	50 mm	2000
4/10B40	€ 118,00	40	10 mm	35 mm	50 mm	2000
4/12B40	€ 118,00	40	12 mm	42 mm	50 mm	2000
4/16B40	€ 118,00	40	16 mm	48 mm	63 mm	2000
4/18B40	€ 118,00	40	18 mm	48 mm	50 mm	2000
4/20B40	€ 118,00	40	20 mm	52 mm	63 mm	2000
4/25B40	€ 118,00	40	25 mm	65 mm	100 mm	2000
4/32B40	€ 118,00	40	32 mm	72 mm	80 mm	2000
4/06B50	€ 128,00	50	6 mm	25 mm	50 mm	2000
4/08B50	€ 128,00	50	8 mm	28 mm	50 mm	2000
4/10B50	€ 128,00	50	10 mm	35 mm	50 mm	2000
4/12B50	€ 128,00	50	12 mm	42 mm	50 mm	2000
4/16B50	€ 128,00	50	16 mm	48 mm	50 mm	2000
4/20B50	€ 140,00	50	20 mm	52 mm	63 mm	2000
4/25B50	€ 140,00	50	25 mm	65 mm	80 mm	2000
4/32B50	€ 140,00	50	32 mm	72 mm	80 mm	2000
4/40B50	€ 151,00	50	40 mm	90 mm	90 mm	2000

4-xD

WELDON SHANK TOOL HOLDER

MAS-403 BT, balanced chuck body, for milling cutters (Weldon) according to DIN 1835 B and DIN 6535 HB. Supplied with tightening screw

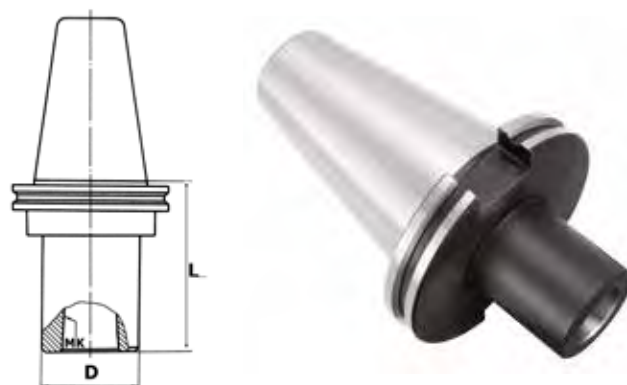


Art.	€	BT	d1 - h6	D	L	Balancing rpm
4/06D40	€ 95,30	40	6 mm	25 mm	60 mm	12000
4/08D40	€ 95,30	40	8 mm	28 mm	60 mm	12000
4/10D40	€ 95,30	40	10 mm	35 mm	60 mm	12000
4/12D40	€ 95,30	40	12 mm	42 mm	70 mm	12000
4/14D40	€ 95,30	40	14 mm	42 mm	70 mm	12000
4/16D40	€ 95,30	40	16 mm	48 mm	70 mm	12000
4/18D40	€ 95,30	40	18 mm	48 mm	70 mm	12000
4/20D40	€ 95,30	40	20 mm	52 mm	75 mm	12000
4/25D40	€ 95,30	40	25 mm	63 mm	100 mm	12000
4/32D40	€ 95,30	40	32 mm	72 mm	100 mm	12000
4/06D50	€ 126,00	50	6 mm	25 mm	65 mm	12000
4/08D50	€ 126,00	50	8 mm	28 mm	65 mm	12000
4/10D50	€ 126,00	50	10 mm	35 mm	70 mm	12000
4/12D50	€ 126,00	50	12 mm	42 mm	75 mm	12000
4/14D50	€ 126,00	50	14 mm	42 mm	75 mm	12000
4/16D50	€ 126,00	50	16 mm	48 mm	80 mm	12000
4/18D50	€ 126,00	50	18 mm	48 mm	80 mm	12000
4/20D50	€ 126,00	50	20 mm	52 mm	80 mm	12000
4/25D50	€ 140,00	50	25 mm	65 mm	100 mm	12000
4/32D50	€ 140,00	50	32 mm	72 mm	105 mm	12000
4/40D50	€ 140,00	50	40 mm	80 mm	120 mm	12000

2-xA

MORSE TAPER ADAPTER WITH THREAD

DIN 69871/A, balanced chuck body

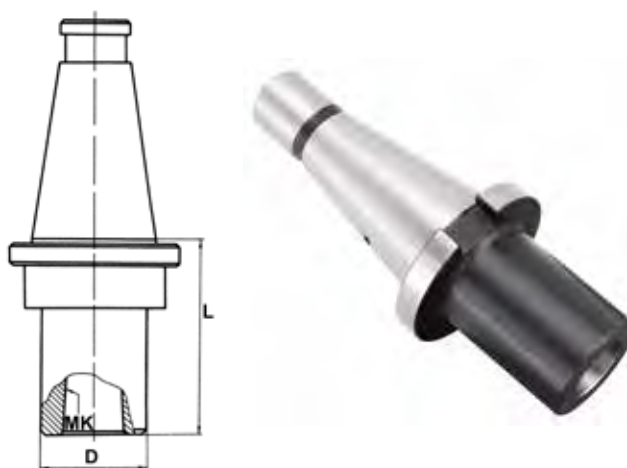


Art.	€	ISO	MT	D	L	Balancing rpm
2/1A40	€ 121,00	40	1	25 mm	45 mm	12000
2/2A40	€ 121,00	40	2	32 mm	60 mm	12000
2/3A40	€ 121,00	40	3	40 mm	75 mm	12000
2/4A40	€ 121,00	40	4	50 mm	98 mm	12000
2/2A50	€ 150,00	50	2	32 mm	40 mm	12000
2/3A50	€ 150,00	50	3	40 mm	50 mm	12000
2/4A50	€ 170,00	50	4	50 mm	80 mm	12000
2/5A50	€ 201,00	50	5	63 mm	110 mm	12000

2-xB

MORSE TAPER ADAPTER WITH THREAD

DIN 2080, balanced chuck body

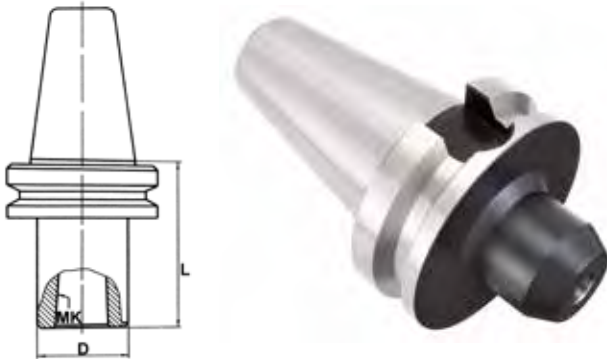


Art.	€	ISO	MT	D	L	Balancing rpm
2/1B40	€ 116,00	40	1	25 mm	15 mm	2000
2/2B40	€ 116,00	40	2	32 mm	30 mm	2000
2/3B40	€ 116,00	40	3	40 mm	64 mm	2000
2/4B40	€ 129,00	40	4	50 mm	94 mm	2000
2/2B50	€ 156,00	50	2	32 mm	20 mm	2000
2/3B50	€ 156,00	50	3	40 mm	30 mm	2000
2/4B50	€ 170,00	50	4	50 mm	65 mm	2000
2/5B50	€ 185,00	50	5	63 mm	105 mm	2000

2-xD

MORSE TAPER ADAPTER WITH THREAD

MAS-403 BT, balanced chuck body

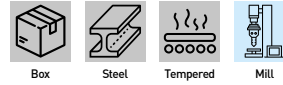


Art.	€	BT	MT	D	L	Balancing rpm
2/1D40	€ 116,00	40	1	25 mm	45 mm	12000
2/2D40	€ 116,00	40	2	32 mm	60 mm	12000
2/3D40	€ 116,00	40	3	40 mm	75 mm	12000
2/4D40	€ 121,00	40	4	50 mm	98 mm	12000
2/2D50	€ 154,00	50	2	32 mm	40 mm	12000
2/3D50	€ 154,00	50	3	40 mm	75 mm	12000
2/4D50	€ 179,00	50	4	50 mm	80 mm	12000
2/5D50	€ 203,00	50	5	63 mm	110 mm	12000

TIPAx

TIP

DIN 69871/A.



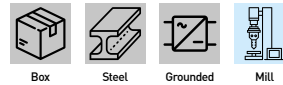
Art.	€	ISO
TIPA40	€ 17,90	40
TIPA50	€ 19,00	50



TIPDx

TIP

MAS-403 BT



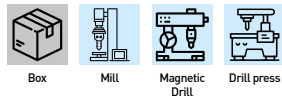
Art.	€	ISO
TIPD40	€ 17,90	40
TIPD50	€ 19,00	50



M059-

REVERSIBLE TAPPING CHUCK WITH ADJUSTABLE CLUTCH

The adjustable safety device with friction reduces the possibility of breaking the male during the execution of the thread. Built-in rotation inverter, immediately active when the feed device is changed. Adjustable clutch in 4 positions. Equipped with 2 flexible pliers and keys for use.



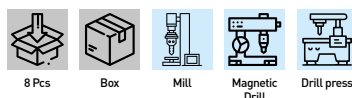
Art.	€	Tapping range	Dimensions w/o MT	Spindle taper MT	Taper DIN
M059/07	€ 481,00	M 2 - 7	Ø 55 x 130h mm	2	B16
M059/12	€ 551,00	M 5 - 12	Ø 75 x 162h mm	3	B16
M059/20	€ 674,00	M 8 - 20	Ø 91 x 204h mm	4	B22



M060-

TAPPING CHUCK

Thanks to the compensation, the possibility of breaking the male during the threading operation is significantly reduced. Possibility of adjusting the intensity of the compensation. Equipped with 6 sockets with Ø 19mm connection. Sockets per square: 3.5 x 2.7mm - 4.5 x 3.4mm - 6 x 4.9mm - 8 x 6.2mm - 10 x 8mm - 9 x 7mm



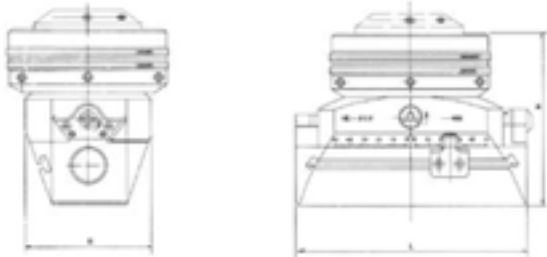
Art.	€	Tapping range	Arbor length with and without holder	Spindle taper MT
M060/2	€ 444,00	M 3 - 12	213 - 175 - Ø 46 mm	2
M060/3	€ 444,00	M 3 - 12	228 - 190 - Ø 46 mm	3
M060/4	€ 475,00	M 3 - 12	253 - 215 - Ø 46 mm	4



T021-

AUTOMATIC PRECISION BORING HEAD

To slightly correct the axiality and diameter of the holes. It can work automatically and manually



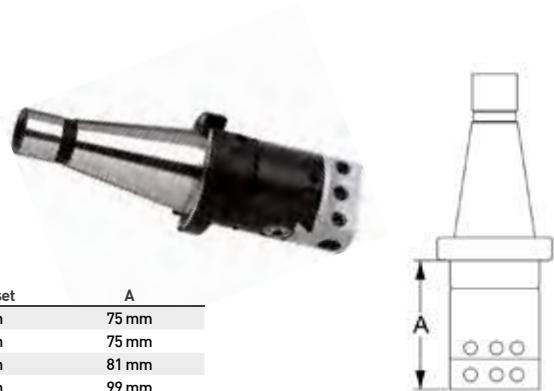
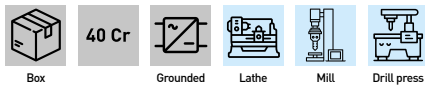
Art.	€
T021/030	€ 1890,00
T021/030CM3	€ 1890,00
T021/050	€ 2200,00
T021/100	€ 2540,00
T021/100/50	€ 2540,00

	T021/030 T021/030CM3	T021/050	T021/100 T021/100/50
Max facing and boring Ø	150 mmv	350 mm	450 mm
Max stroke of slide	± 15 mm	± 25 mm	± 50 mm
Fine feed per graduation	0,005 mm	0,005 mm	0,005 mm
Manual feed per revolution	2 mm	3 mm	3 mm
Self acting feed per revolution	0,02-0,04-0,06 0,08-0,10-0,12 mm	0,03-0,06-0,09 0,12-0,15-0,18 mm	0,03-0,06-0,09 0,12-0,15-0,18 mm
Ø of tool post holes in head	18 mm	22 mm	22 mm
Max Ø of head	90 mm	120 mm	168 mm
Height of head without shank - (H)	87,5 mm	118 mm	118 mm
Weight of head without shank	2,9 kg	6,1 kg	7,8 kg
Length of sliding block	75 mm	105 mm	160 mm
Width of sliding block	70 mm	90 mm	90 mm
Collets hole	4 - 8 - 12 mm	8 - 10 - 12 - 14 mm	8 - 10 - 12 - 14 mm
Accessories	1 - 2 - 6	1 - 2 - 3 - 4 - 5	1 - 2 - 3 - 4 - 5
Extension hole for tool holder	Ø 6 mm	Ø 10 mm	Ø 10 mm

T010-

PRECISION BORING HEAD

Tool kit not included, to slightly correct the axiality and diameter of the holes



Art.	€	Boring head body	Shank	Tools	Max offset	A
T010/5003	€ 264,00	Ø 50 mm	CM/MT3-DIN228A	Ø 12 mm	15 mm	75 mm
T010/5004	€ 264,00	Ø 50 mm	CM/MT4-DIN228A	Ø 12 mm	15 mm	75 mm
T010/5040	€ 264,00	Ø 50 mm	ISO 40-DIN2080	Ø 12 mm	15 mm	81 mm
T010/7540	€ 302,00	Ø 75 mm	ISO 40-DIN2080	Ø 18 mm	25 mm	99 mm

B001-

SOLID BORING BAR SET FOR PRECISION BORING HEADS

For the various boring operations



Art.	€	Suitable	Spindle	Length	Screw	Insert (not included)
B001/12	€ 122,00	T010/50	12 Ø mm	60 mm	KV250	TCMT110204N
B001/18	€ 122,00	T010/75	18 Ø mm	99 mm	KV250	TCMT110204N

S007-

PRO

CHUCK HOLDER TILTABLE

DIN 2080, DIN 69871/A and MAS BT-TC, it allows the orientation of the tool holders on the vertical and horizontal axes to facilitate the assembly of the tools. The cone of the tool holders is protected by two suitably positioned O-rings. Steel cone, operating levers in thermoplastic material, base to be fixed to the workbench with 4 screws



Art.	€	Dimensions	Base	Taper
S007/30	€ 223,00	230 x h150mm	Ø 150 mm	ISO 30 DIN 2080 - SK30 DIN 69871 - BT30 - CAT30 - HSK50A - CAPTO C5
S007/40	€ 227,00	235 x h155mm	Ø 150 mm	ISO 40 DIN 2080 - SK40 DIN 69871 - BT40 - CAT40 - HSK63A - CAPTO C6
S007/50	€ 254,00	265 x h200mm	Ø 180 mm	ISO 50 DIN 2080 - SK50 DIN 69871 - BT50 - CAT50 - HSK100A - CAPTO C10

P450

€ 528,00

TOOL ROLLING CABINET KIT

Equipped with slotted walls with the insertion of bush holder frames, carrying handle. Supplied in assembly kit with 20 cone holders



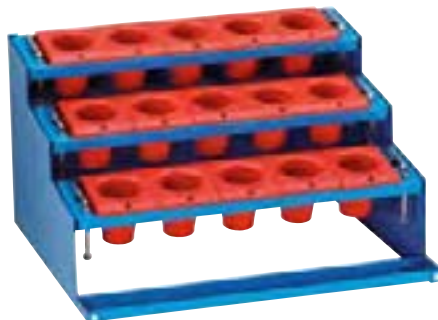
Dimensions	950 x 650 x 830h mm
Taper	ISO 50

P350

€ 184,00

TOOL ROLLING CABINET KIT

Frame that can be positioned on the workbench or on the cabinets, designed for the insertion of tool holder bushings on three rows. Supplied in assembly kit with 15 cone holders



Dimensions	600 x 500 x 350h mm
Taper	ISO 50

S014-

CHUCK HOLDER

Equipped with vertical and horizontal position. Base with 4 fixing holes to fix it to the workbench



Art.	€	Chuck sizes
S014/40BT	€ 78,50	BT 40 ISO 40
S014/40DIN	€ 78,50	DIN 69871.40 ISO 40
S014/50BT	€ 178,00	BT 50 ISO 50
S014/50DIN	€ 178,00	DIN 69871.50 ISO 50

P440

€ 475,00

TOOL ROLLING CABINET KIT

Equipped with slotted walls with the insertion of bush holder frames, carrying handle. Supplied in assembly kit with 28 cone holders



Dimensions	950 x 650 x 830h mm
Taper	ISO 40

P340

€ 190,00

TABLE TOOL RACK KIT

Frame that can be positioned on the workbench or on the cabinets, designed for the insertion of tool holder bushings on three rows. Supplied in assembly kit with 21 cone holders



Dimensions	600 x 500 x 350h mm
Taper	ISO 40

PC50 € 50,60

TOOL HOLDER SHELF

Equipped with handles for handling. Supplied with 5 cone holders



Box

Dimensions 600 x 145 mm
Taper ISO 50

PC40 € 50,60

TOOL HOLDER SHELF

Equipped with handles for handling. Supplied with 7 cone holders.



Box

Dimensions 600 x 145 mm
Taper ISO 40

PC50/R € 53,50

TOOL HOLDER SET

Pin fixing.



10 Pcs



Box

Plastic

Dimensions 136 x 102 mm
Taper ISO 50

PC40/R € 49,90

TOOL HOLDER SET

Pin fixing.



10 Pcs



Box

Plastic

Dimensions 136 x 72 mm
Taper ISO 40

P4CS € 20,00

COUPLE OF SUPPORTS

For tool rolling cabinet



PC4P € 21,40

4 FEET SET

For tool holder shelf

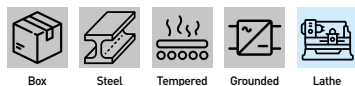




C046-

ROTARY LIVE CENTER

Mainly used in lathes with the aim of stabilizing long and thin pieces, more subject to bending or uncontrolled oscillation caused by the forces generated during machining

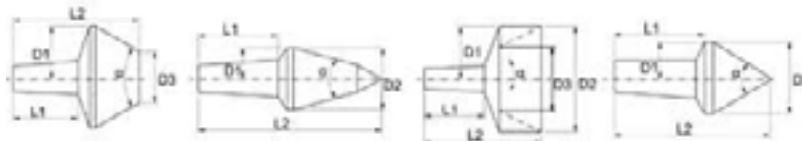
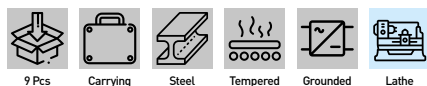


Art.	€	Spindle taper MT	Center	Body	Length	rpm max	Maximum capacity
C046/2	€ 71,70	2	60° - max Ø21mm	Ø 45 mm	152 mm	2500 g/min	50 kg
C046/3	€ 87,00	3	60° - max Ø27mm	Ø 53 mm	180 mm	2500 g/min	75 kg
C046/4	€ 92,20	4	60° - max Ø29mm	Ø 63 mm	218 mm	2000 g/min	150 kg
C046/5	€ 127,00	5	60° - max Ø37mm	Ø 87 mm	276 mm	2000 g/min	200 kg

C050-

PRECISION LIVE CENTER SET

Mainly used in lathes with the aim of stabilizing long and thin pieces, more subject to bending or uncontrolled oscillation caused by the forces generated during machining. Complete with 7 interchangeable inserts and extractor for the inserts

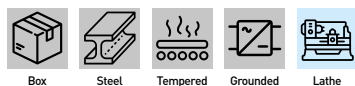


Art.	€	CM	A	B	C	D	E	F	G
C050/2	€ 173,00	2	L2 39 mm - D2-D3 16 mm - α 60° mm	L2 35,5 mm - D2-D3 16 mm - α 75° mm	L2 33 mm - D2-D3 16 mm - α 90° mm	L2 46 mm - D2-D3 16 mm - α 60° mm	L2 40 mm - D2-D3 25 mm / 10 mm - α 60° mm	L2 36 mm - D2-D3 16 mm / 10 mm - α 60° mm	L2 39 mm - D2-D3 20 mm / 16 mm - α 60° mm
C050/3	€ 194,00	3	L2 48 mm - D2-D3 20 mm - α 60° mm	L2 43,5 mm - D2-D3 20 mm - α 75° mm	L2 40,5 mm - D2-D3 20 mm - α 90° mm	L2 56 mm - D2-D3 18 mm - α 60° mm	L2 50 mm - D2-D3 35 mm / 15 mm - α 60° mm	L2 42 mm - D2-D3 22 mm / 18 mm - α 60° mm	L2 48 mm - D2-D3 35 mm / 30 mm - α 60° mm
C050/4	€ 282,00	4	L2 61,5 mm - D2-D3 28 mm - α 60° mm	L2 55,5 mm - D2-D3 28 mm - α 75° mm	L2 51,5 mm - D2-D3 28 mm - α 90° mm	L2 73 mm - D2-D3 26 mm - α 60° mm	L2 61,5 mm - D2-D3 55 mm / 30 mm - α 60° mm	L2 55 mm - D2-D3 40 mm / 35 mm - α 60° mm	L2 60 mm - D2-D3 55 mm / 48 mm - α 60° mm

C055-

TUBE ROTARY LIVE CENTER

For turning and grinding of pipes and hollow bodies



Art.	€	Spindle taper MT	Ø	Length	rpm max	Maximum capacity
C055/3	€ 207,00	3	60° - 30 ÷ 100 mm	170 mm	2500 g/min	200 kg
C055/4	€ 293,00	4	60° - 40 ÷ 160 mm	230 mm	1600 g/min	350 kg
C055/5	€ 410,00	5	60° - 66 ÷ 200 mm	260 mm	1500 g/min	350 kg

C053-

CARBIDE TIPPED DEAD CENTER

Mainly used in lathes with the aim of stabilizing long and thin pieces, more subject to bending or uncontrolled oscillation caused by the forces generated during machining



Art.	€	Spindle taper MT	Carbide center max	Length
C053/2	€ 18,80	2	60° - max Ø 8 mm	100 mm
C053/3	€ 20,80	3	60° - max Ø 11 mm	125 mm
C053/4	€ 30,70	4	60° - max Ø 13 mm	160 mm
C053/5	€ 47,60	5	60° - max Ø 17 mm	200 mm

HOW TO CHOOSE YOUR TOOL POST

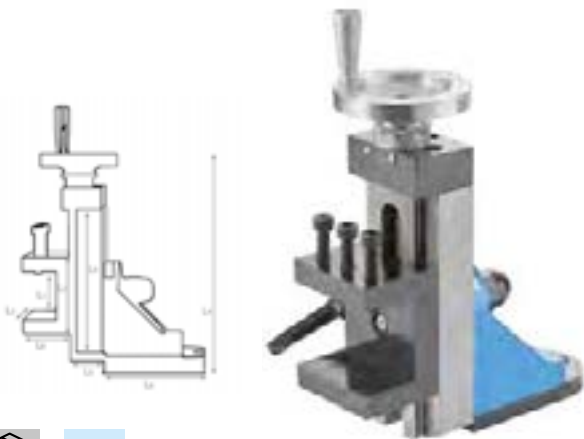
LATHE CENTERS HEIGHT	TOOL POST TYPE
90 mm	A0
120 mm	A1
140 mm	A
150 - 200 mm	E
200 - 250 mm	B
250 - 350 mm	C

0688

€ 196,00

LATHE MILL TABLE UNIVERSAL DEVICE

It allows you to perform a surface machining on the clamped piece with the use of the lathe spindle as a tool holder. Fixing by mechanical adaptation to the machine in which it is to be applied

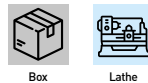
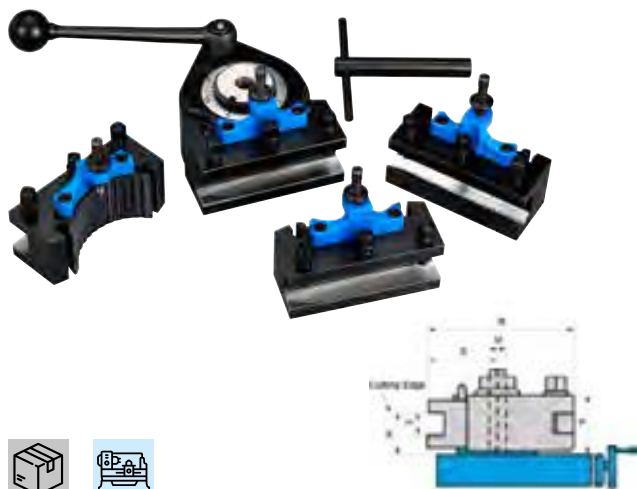


L1	52 mm
L2	80 mm
L3	65 mm
L4	220 mm
L5	37 mm
L6	110 mm
L8	46 mm
L9	150 mm

T00x

QUICK CHANGE TOOL POST

With hardened and ground tooling. By acting on an eccentric pin, the tool holder is locked on the tooling of the body. It allows reproducibility of 40 possible angular positions of the tool holder. This accuracy is maintained even after countless tool changes. Consisting of: 1 tool holder turret, 3 flat seat tool holders, 1 prismatic seat tool holder



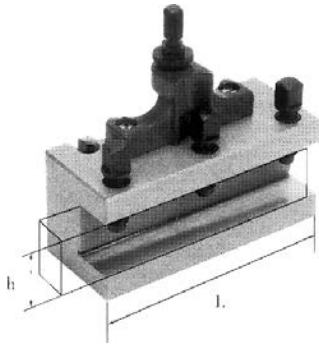
Art.	€	R max	S max	P	H	X min
T00A	€ 799,00	100 mm	54 mm	48 mm	16 mm	30 mm
T00B	€ 1020,00	150 mm	75 mm	71 mm	25 mm	37 mm
T00C	€ 1630,00	202 mm	105 mm	102 mm	32 mm	47 mm
T00E	€ 844,00	125 mm	68 mm	60 mm	20 mm	35 mm



T00x-D

FLAT TYPE TOOL HOLDERS

Type D equipped with screw for height adjustment and 3 clamping screws

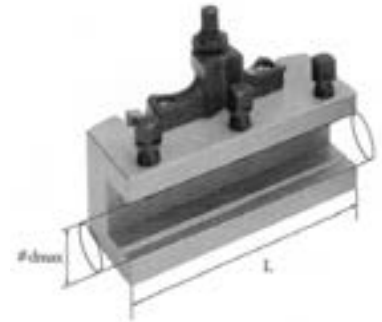


Art.	€	L	h
T00A/D	€ 113,00	80 mm	16 mm
T00B/D	€ 169,00	120 mm	25 mm
T00C/D	€ 261,00	150 mm	32 mm
T00E/D	€ 152,00	100 mm	20 mm

T00x-B

PRISMATIC TYPE TOOL HOLDERS

Type B equipped with screw for height adjustment and 3 clamping screws

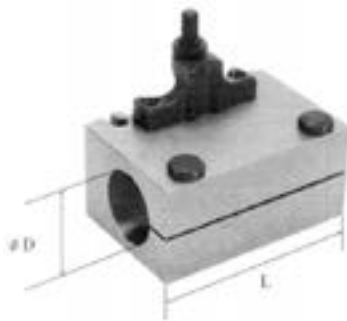


Art.	€	L	d max
T00A/B	€ 118,00	80 mm	20 mm
T00B/B	€ 174,00	130 mm	32 mm
T00C/B	€ 258,00	160 mm	32 mm
T00E/B	€ 169,00	100 mm	30 mm

T00x-S

TOOL HOLDERS FOR SOCKET

Type S, suitable for housing Morse taper bushes cod. C40142, and for the direct housing of turning bars. Equipped with adjustment screw and 2 locking screws

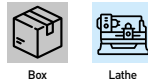
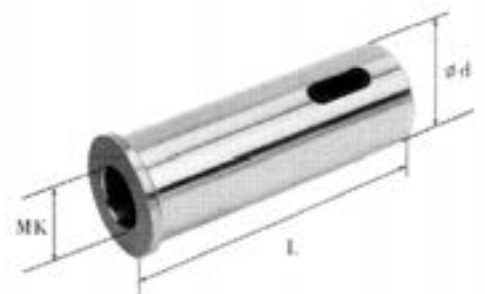


Art.	€	L	D
T00A/S	€ 129,00	80 mm	30 mm
T00B/S	€ 214,00	120 mm	40 mm
T00C/S	€ 302,00	150 mm	40 mm
T00E/S	€ 174,00	100 mm	30 mm

T00x-LC

REDUCTION SLEEVE

For housing tools with CM attachment



Art.	€	L	d	MT
T00AE/LCM1	€ 37,60	80 mm	30 mm	1
T00AE/LCM2	€ 37,60	95 mm	30 mm	2
T00BC/LCM2	€ 40,70	105 mm	36 mm	2
T00BC/LCM3	€ 40,70	120 mm	40 mm	3
T00BC/LCM4	€ 62,70	150 mm	40 mm	4

TOAx

QUICK CHANGE TOOL POST

For quick tool changes thanks to the lock / unlock lever.
Composed of: - 1 tool post - 4 flat type tool holders



Art.	€	Length	Width	Working height	Hole	Tool H
TOAA	€ 267,00	57 mm	64 mm	56 mm	14,4 mm	14 mm
TOAB	€ 449,00	85 mm	85 mm	76 mm	19,9 mm	20 mm
TOAC	€ 579,00	100 mm	100 mm	92 mm	22,22 mm	25 mm
TOAE	€ 339,00	100 mm	100 mm	90 mm	16,5 mm	20 mm

TOAx-D

FLAT TYPE TOOL HOLDERS

Quick change with flat seat equipped with screw for height adjustment and 4 tightening screws



Art.	€	Length	Width	Height	Tool height
T00A/D	€ 61,50	76 mm	25,5 mm	38 mm	14 mm
T00B/D	€ 86,10	108 mm	35 mm	54 mm	20 mm
T00C/D	€ 101,00	125 mm	40 mm	63 mm	25 mm
T00E/D	€ 73,70	89 mm	29 mm	45 mm	20 mm

T00A1 € 256,00

QUICK CHANGE TOOL POST

For quick tool changes thanks to the locking / unlocking pin.
Composition of the set: - 1 tool holder turret - 3 tool holders with flat seat

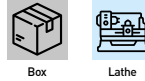


Length	57 mm
Width	57 mm
Height	37 mm
Hole	16 mm
Tool height	14 mm

T00A1/PP € 51,60

FLAT TYPE TOOL HOLDERS

Quick change with flat seat equipped with screw for height adjustment and 4 tightening screws

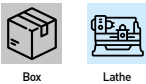


Length	57 mm
Width	25 mm
Height	25 mm
Tool height	12 mm

T00Ax

QUICK CHANGE TOOL POST

For quick tool changes thanks to the locking / unlocking pin.
Composition of the set: - 1 tool holder turret - 3 tool holders with flat seat.

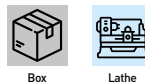


Art.	€	Length	Width	Height	Hole	Tool height
T00A0	€ 119,00	60 mm	50 mm	30 mm	10 mm	12 mm
T00A1R	€ 158,00	68 mm	68 mm	47 mm	10 mm	19 mm

T00Ax-PP

FLAT TYPE TOOL HOLDERS

Quick change with flat seat equipped with screw for height adjustment and 2 tightening screws



Art.	€	Length	Width	Height	Tool height
T00A0/PP	€ 37,30	50 mm	22 mm	24 mm	12 mm
T00A1R/PP	€ 38,20	66 mm	27 mm	46 mm	19 mm





M038

€ 674,00

CROSS FEED MOTOR

For X axis, horizontal motor position, table with feed through adjustable potentiometer for displacements and button for rapid movements, moreover the rotation of the motor is both clockwise and anticlockwise.



Round speed	0 ÷ 200 rpm
Torque	5,1 Nm
Motor	230 V 50 Hz 0,1 kW
Net weight	6 kg



P018-

COOLING SYSTEM FOR MACHINES

To allow refrigeration on machines such as lathes, column drills, cutters not equipped with a system



Art.	€	Power	Tank capacity	Pump capacity
P018/230V	€ 351,00	230V - 50Hz - 40W	10 l	22 l/min
P018/400V	€ 351,00	400V - 50Hz - 40W	10 l	22 l/min

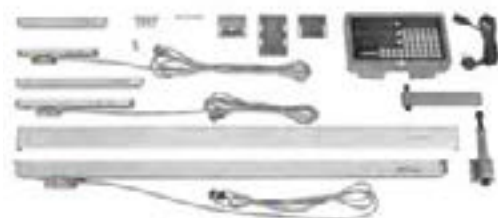


T999/3A

NEW € 1500,00

LATHE DISPLAY KIT

Equipped with 3-axis display, measuring lines and connection cables



Straight jaws Cross slide 335 mm | Long. turret 235 mm | Long. slide 1170 mm

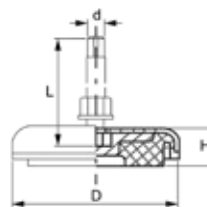
0715-

PRO NEW

ANTI-VIBRATION MOUNTINGS



NBR



Art.	€	D	d	L	H	Capacity
0715/0080	€ 27,80	40 mm	M5	30 mm	15 mm	80 Kg
0715/0400	€ 38,90	80 mm	M10	80 mm	25 mm	400 Kg
0715/1100	€ 55,50	120 mm	M12	100 mm	32 mm	1100 Kg
0715/2000	€ 66,60	160 mm	M16	120 mm	35 mm	2000 Kg

T200

€ 17,20

COOLING HOSE

Suitable for liquids and air, resistant to vibrations, internal diameter of 6mm and connection of 1/4". completely hermetic, constant internal diameter in any position, unalterable to normal chemicals. Composed of: n. 21 segments n. 1 nozzle: hole Ø 1,5mm n. 1 nozzle: hole Ø 3mm n. 1 fitting: 1/8" n. 1 fitting: 1/4" n. 1 plain nozzle.



Total length	350 mm
Hose diameter	6 mm - 1/4"

T201

€ 18,80

COOLING HOSE

Suitable for liquids and air, resistant to vibrations, internal diameter of 12mm and connection of 1/2". Completely hermetic, constant internal diameter in any position, unalterable to normal chemicals. Composed of: n. 16 segments n. 1 nozzle - hole: Ø 5mm n. 1 fitting 1/2" n. 1 plain nozzle.



Total length	400 mm
Hose diameter	12 mm - 1/2"

T338-
CHROMED METAL JOINTED TUBE FOR REFRIGERATING LIQUIDS



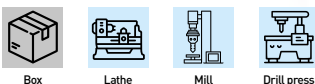
Art.	€	Total length	Thread
T338/500	€ 17,80	500 mm	3/8"
T338/600	€ 19,70	600 mm	3/8"

Tx
LATH E CHUCK SAFETY GUARD STEEL FRAME WITH LEXAN SCREEN



Art.	€	Dimensions
T400	€ 186,00	Ø 400 x 200 mm
T500	€ 198,00	Ø 500 x 220 mm
T600	€ 215,00	Ø 600 x 280 mm

P100/250 € 124,00
MACHINE TOOL SAFETY GUARD
With safety microswitch, adjustable height



Spindle	400 mm
Shield	150x250 H x L mm

S100 € 58,10
BENCH GRINDER SAFETY GUARD WITH LEXAN SCREEN



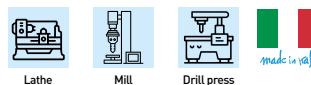
Dimensions	110 x 120 mm
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Mx
UNIVERSAL SUPPORT UNIT FOR LATHE WITH CHUCK SAFETY GUARD WITH MICROSWITCH



Art.	€	Spindle	Length
M400	€ 234,00	Ø 30 mm	350 mm
M500	€ 242,00	Ø 30 mm	400 mm
M600	€ 252,00	Ø 30 mm	450 mm

P101-
MACHINE TOOL SAFETY GUARD
Adjustable and tilting height, lexan screen, safety microswitch



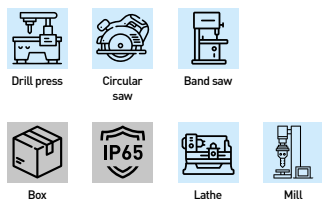
Art.	€	Spindle	Shield
P101/300	€ 400,00	400L mm	150 x 350 H x L mm
P101/350	€ 421,00	600L mm	200 x 440 H x L mm
P101/400	€ 434,00	500L mm	150 x 370 H x L mm



0531A € 153,00

LED LIGHT MACHINE OPERATION LAMP

Articulated, without transformer.



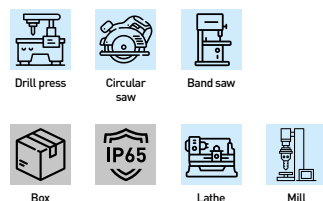
Power	12 - 24 V 13 W AC/DC
Luminous flux	1800 lm
Color temperature	6500 K
LED number	9
Height	110 mm
Diameter	125 mm
Joints	1



0532A € 186,00

LED LIGHT MACHINE OPERATION LAMP

Articulated, without transformer



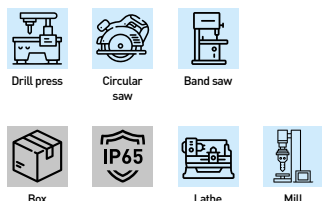
Power	12 - 24 V 13 W AC/DC
Luminous flux	1800 lm
Color temperature	6500 K
LED number	9
Height	890 mm
Diameter	125 mm
Joints	3



0532A/230V € 203,00

LED LIGHT MACHINE OPERATION LAMP

Articulated, with transformer



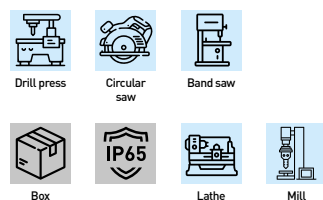
Power	230 V 50 Hz 13 W
Luminous flux	1800 lm
Color temperature	6500 K
LED number	9
Height	900 mm
Diameter	125 mm
Joints	3



0371 € 162,00

LED LIGHT MACHINE OPERATION LAMP

Articulated, without transformer



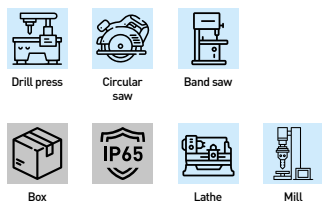
Power	24V 10W
Luminous flux	1200 lm
Color temperature	6500 K
Joint height	110 mm
Diameter	110 mm
Joints	1



0372 € 245,00

LED LIGHT MACHINE OPERATION LAMP

Articulated, without transformer



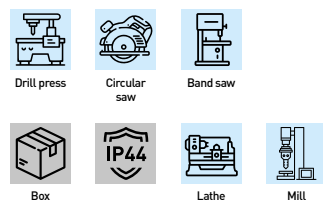
Power	24V 10W
Luminous flux	1200 lm
Color temperature	6500 K
Height	890 mm
Diameter	110 mm
Joints	3



0537A € 112,00

LED LIGHT MACHINE OPERATION LAMP

Articulated, without transformer.



Power	12 - 24 V 7 W AC
Luminous flux	700 lm
Color temperature	6500 K
LED number	7
Height	100 mm
Diameter	90 mm
Joints	1

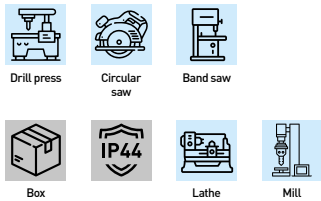


0538A

€ 139,00

LED LIGHT MACHINE OPERATION LAMP

Articulated, without transformer.



Power	12 - 24 V 7 W AC
Luminous flux	700 lm
Color temperature	6500 K
LED number	7
Height	650 mm
Diameter	90 mm
Joints	3

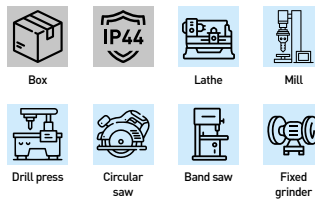


0536

€ 76,30

MACHINE TOOL OPERATION LAMP

Flexible, with transformer and magnetic base



Height max	620 mm
With transformer	230 V / 24 V 25 W

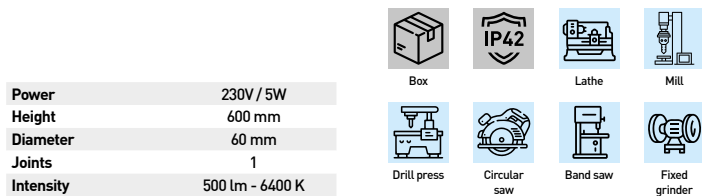


0536A

NEW € 142,00







LED LIGHT MACHINE OPERATION LAMP








Flexible, with transformer and magnetic base





















Power	230V / 5W
Height	600 mm
Diameter	60 mm
Joints	1
Intensity	500 lm - 6400 K












 TOOLS FOR TURNING AND MILLING	
p. 132	 External tool holders
p. 138	 Internal tool holders
p. 142	 Tools for threading and cutting off
p. 146	 Milling cutters
p. 152	 Tool accessories




 INSERTS, LATHE TOOLS AND TOOL BITS	
p. 153	 Insert for lathe
p. 163	 Milling inserts
p. 166	 Tapping inserts
p. 166	 Inserts for cutting off
p. 167	 Lathe tools
p. 168	 Tool bits

 TWIST DRILLS AND CUTTERS FOR METAL	
p. 170	 Straight shank twist drills
p. 180	 Conical and center drills
p. 182	 Weldon shank
p. 186	 Hole saw
p. 194	 Machine reamers
p. 195	 Counterborers
p. 196	 Stepped cutters & countersinks
p. 198	 End mills
p. 200	 Tungsten carbide rotary burrs
p. 208	 Disc shaper cutters

 BUILDING AND WOOD DRILLS AND CUTTERS	
p. 209	 Straight shank twist drills
p. 209	 Sds Plus shank
p. 210	 Hole saw
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p. 214	 Wood drill bits and hole saws
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 TAPS AND DIES	
p. 216	 Tap and die sets
p. 218	 HSS taps
p. 222	 Dies

 THREAD REPAIR	
p. 223	 Thread repair set
p. 228	 Thread repair insert
p. 228	 Taps for thread repair
p. 238	 Thread repair tools

 BANDSAW BLADES AND SAW BLADES	
p. 240	 Bandsaw blades
p. 240	 Saw blades

IDENTIFICATION OF TURNING TOOLS FOR EXTERNAL PROCESSING

S	T	G	C	R	16	3 - Type of tool			
1	2	3	4	5	6	90° G	95° L	45° S	93° J
1 - Locking method		2 - Insert shape							
 LEVER	 SCREW	90° S	60° T	35° V	80° W	55° D	80° C	55° K	
4 - Insert clearance angle			5 - Tool direction			6 - Tool shank size			
B 5°	C 7°	N 0°	R	L	N	B			

IDENTIFICATION OF TURNING TOOLS FOR INTERNAL PROCESSING

S	S	S	C	R	16	3 - Type of tool			
1	2	3	4	5	6	95° L	90° F	93° U	45° S
1 - Locking method		2 - Insert shape							
 LEVER	 SCREW	90° S	60° T	55° D	80° C	55° K			
4 - Insert clearance angle			5 - Tool direction			6 - Tool shank diameter			
B 5°	C 7°	N 0°	L	R	D H				

CHOICE OF INSERT SHAPE ACCORDING TO THE TYPE OF PROCESSING TO BE CARRIED OUT

	S	T	C	K	D
External turning					
Axial Turning / Facing 	○	○	●	○	○
Profiling 	-	○	-	○	●
Facing 	●	○	○	○	○
Plunge turning 	-	○	-	-	-

	S	T	C	K	D
Internal turning					
Axial Turning / Facing 	○	●	○	-	○
Profiling 	-	○	-	○	●
Facing 	-	○	●	-	○

Key
 ● Recommended shape
 ○ Possible shape
 - Not usable



RECOMMENDED VALUES FOR CUTTING SPEED Vc (m/min) FOR TURNING

Materials to be processed		External turning		Internal turning		Shape tool	Truncation	Threading with tool
		Sgrossatura	Finitura	Sgrossatura	Finitura			
P	Rm Steel < 600 N/mm ²	100*	150*	70*	100*	50*	95*	25*
	Rm steel 600-100 N/mm ²	95*	120*	50*	95*	30*	70*	18*
	Rm steel 1000-1200 N/mm ²	65*	80*	40*	65*	25*	55*	15*
M	Stainless Steel	60*	70*	35*	60*	20*	50*	15*
K	Cast iron HB < 180	90*	100*	65*	90*	30*	80*	15*
	Cast iron HB > 180	60*	70*	40*	60*	20*	55*	12*
N	Brass/Bronze	165*	260*	80*	160*	40*	100*	25*
	Copper	220*	350*	100*	220*	80*	200*	25*
	Aluminium	300*	650*	200*	400*	150*	300*	35*

* Values for brazed tools, for mechanically clamped tools the value can be increased by 15%

RECOMMENDED FEED VALUES (mm/rev) FOR TURNING

MATERIALS TO BE PROCESSED		External turning		Internal turning		Shape tool	Truncation
		Roughing	Finish	Roughing	Finish		
P	Rm Steel < 600 N/mm ²	0.1 – 0.4*	0.05 – 0.2*	0.05 – 0.3*	0.05 -0.2*	0.02 – 0.05*	0.05 – 0.1*
	Rm steel 600-100 N/mm ²	0.1 – 0.4*	0.05 – 0.15*	0.05 – 0.3*	0.05 – 0.1*	0.02 – 0.05*	0.05 – 0.1*
	Rm steel 1000-1200 N/mm ²	0.1 – 0.4*	0.05 – 0.15*	0.05 – 0.3*	0.05 – 0.1*	0.02 – 0.05*	0.05*
M	Stainless Steel	0.1 – 0.4*	0.05 – 0.15*	0.05 – 0.3*	0.05 – 0.1*	0.02 – 0.05*	0.02 – 0.05*
K	Cast iron HB < 180	0.1 – 0.6*	0.05 – 0.2*	0.05 – 0.6*	0.05 – 0.2*	0.02 – 0.05*	0.05 – 0.1*
	Cast iron HB > 180	0.1 – 0.8*	0.05 – 0.25*	0.05 – 0.5*	0.05 – 0.2*	0.02 – 0.05*	0.02 – 0.05*
N	Brass/Bronze	0.1 – 0.8*	0.05 – 0.25*	0.05 – 0.6*	0.05 – 0.2*	0.02 – 0.1*	0.05 – 0.2*
	Copper	0.1 – 0.6*	0.05 – 0.25*	0.05 – 0.5*	0.05 – 0.25*	0.02 – 0.05*	0.05 – 0.1*
	Aluminium	0.1 – 0.8*	0.05 – 0.25*	0.05 – 0.4*	0.05 – 0.2*	0.02 – 0.2*	0.05 – 0.3*

* Values for brazed tools, for mechanically clamped tools the value can be increased by 15%

THICKNESS OF SURFACE TREATMENT IN THE TURNING (mm)

Thickness of surface treatment		Ø particular					
Roughing	0.5 - 10	Up to 25	25 - 70	50 - 75	75 - 100	100 - 150	150 - 300
Finish	0.2 - 20						
Truncation	Equal to the thickness of the cutter insert						

MAIN TURNING FORMULAS

- $V_t = (n \times \pi \times D) \div 1000$
- $n = (V_t \times 1000) \div (\pi \times D)$
- $V_f = n \times F_z$

Key

Vc : Cutting speed in metres per minute. It is the peripheral speed with which the cutting edge removes material. (m/min)

n : Spindle rotation speed in revolutions per minute (rpm)

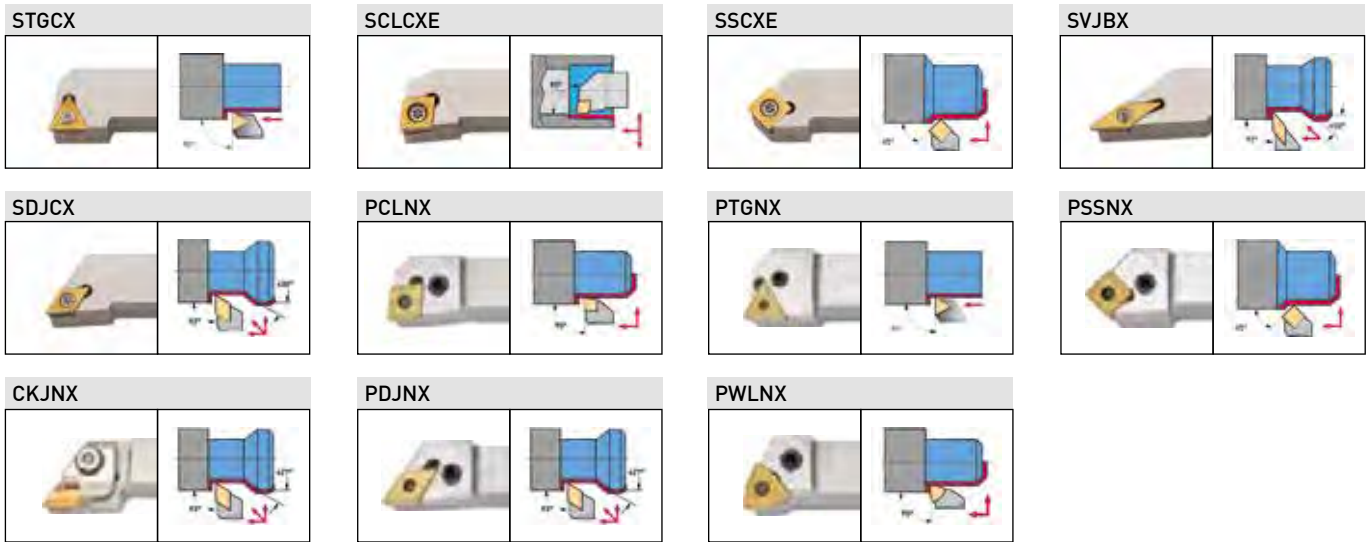
D : Workpiece diameter in millimetres (mm)

Fz : Tool feed (per tooth) per revolution in millimetres (mm/revolution)

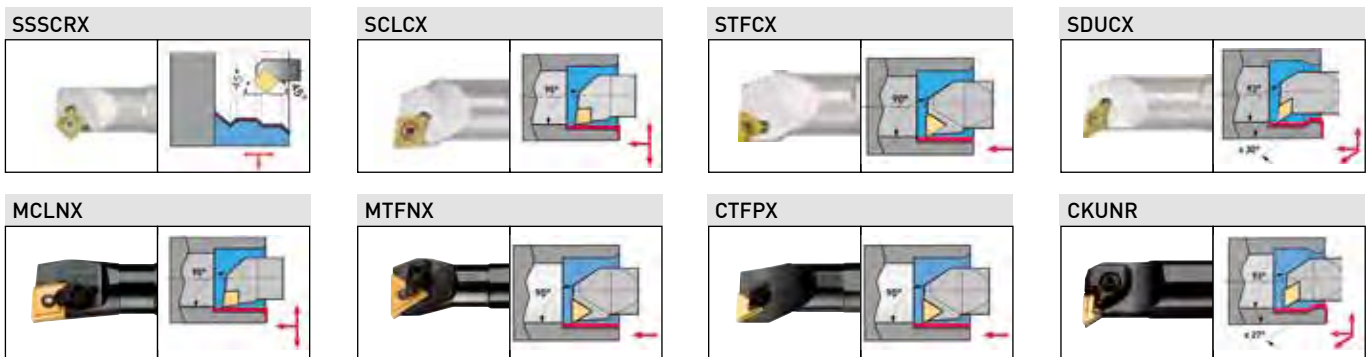
Vf : Tool feed speed in millimetres per minute (mm/min)

π : its value is 3.14

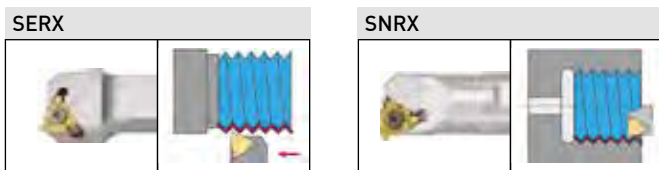
TYPOLOGY OF TOOLS FOR EXTERNAL TURNING



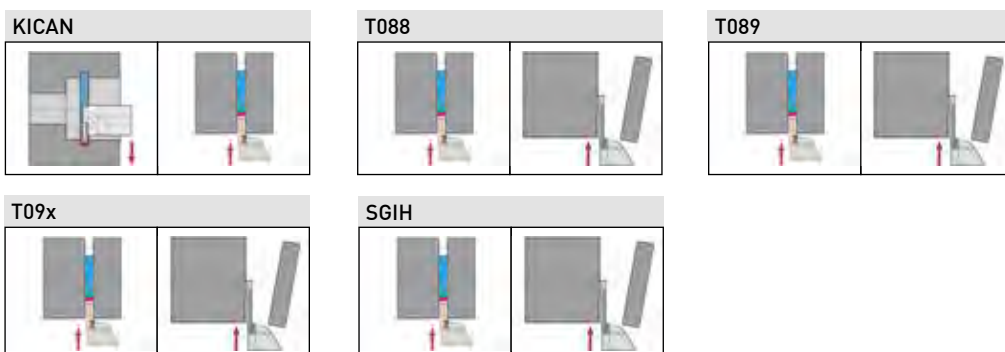
TYPOLOGY OF TOOLS FOR INTERNAL TURNING



TYPOLOGY OF THREADING TOOLS



TYPOLOGY OF TOOLS FOR GROOVING AND PARTING OFF

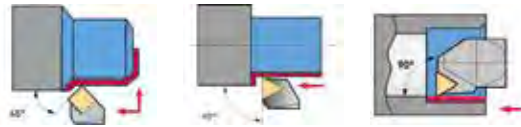




B007-

INDEXABLE CARBIDE TOOL HOLDER SET

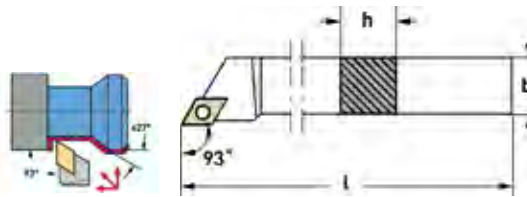
Insert included, useful for having a set that allows you to perform most turning operations with small lathes



Art.	€	Ext. shank / Insert	Int. shank / Insert	Screw
B007/10	€ 108,00	10 mm / TCMT110204N	8 mm / TCMT090204N	KV200
B007/12	€ 114,00	12 mm / TCMT110204N	10 mm / TCMT110204N	KV250
B007/16	€ 141,00	16 mm / TCMT16T304N	12 mm / TCMT110204N	KV250

KITCKJ

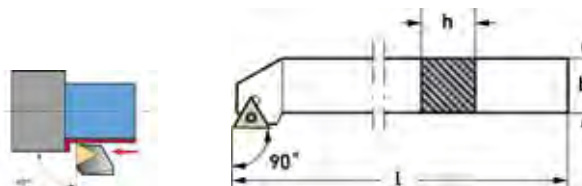
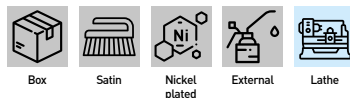
EXTERNAL TOOL HOLDER WITH INSERTS



Art.	€	Ext. tool holder	Bits	b	h	l
KITCKJ20	€ 170,00	CKJNR20	KNUX160405RN x 10 Pcs	20mm	20mm	125mm
KITCKJ25	€ 172,00	CKJNR25	KNUX160405RN x 10 Pcs	25mm	25mm	150mm

STGCX

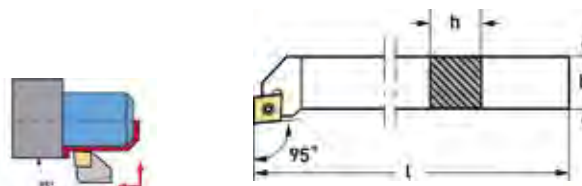
90° EXTERNAL TOOL HOLDER



Art.	€	Side	b	h	l	Screw	Bushing	Base	Insert (not included)
STGCR16/11	€ 43,80	Dx/R	16 mm	16 mm	100 mm	KV250	-----	-----	TCMT1102...
STGCL16/11	€ 43,80	Sx/L	16 mm	16 mm	100 mm	KV250	-----	-----	TCMT1102...
STGCR20	€ 49,50	Dx/R	20 mm	20 mm	125 mm	KV350	BU3550	BSTG16	TCMT16T3...
STGCL20	€ 49,50	Sx/L	20 mm	20 mm	125 mm	KV350	BU3550	BSTG16	TCMT16T3...
STGCR25	€ 60,80	Dx/R	25 mm	25 mm	150 mm	KV350	BU3550	BSTG16	TCMT16T3...
STGCL25	€ 60,80	Sx/L	25 mm	25 mm	150 mm	KV350	BU3550	BSTG16	TCMT16T3...

SCLCXE

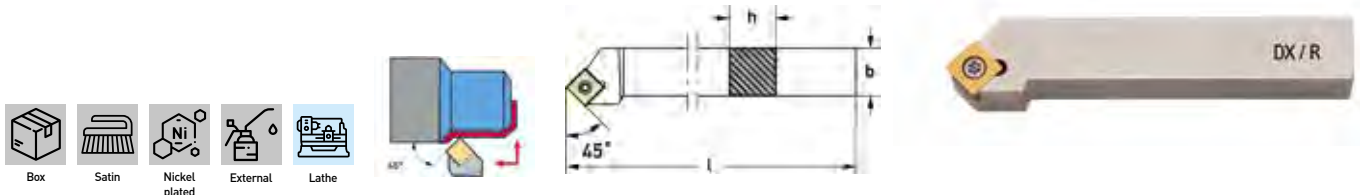
95° EXTERNAL TOOL HOLDER



Art.	€	Side	b	h	l	Screw	Bushing	Base	Insert (not included)
SCLCR12E	€ 37,50	Dx/R	12 mm	12 mm	80 mm	KV350	-----	-----	CCMT09T3...
SCLCL12E	€ 37,50	Sx/L	12 mm	12 mm	80 mm	KV350	-----	-----	CCMT09T3...
SCLCR16E	€ 45,30	Dx/R	16 mm	16 mm	100 mm	KV350	BU3550	BSCL09	CCMT09T3...
SCLCL16E	€ 45,30	Sx/L	16 mm	16 mm	100 mm	KV350	BU3550	BSCL09	CCMT09T3...
SCLCR20E	€ 50,70	Dx/R	20 mm	20 mm	125 mm	KV450	BU4560	BSCL12	CCMT1204...
SCLCL20E	€ 50,70	Sx/L	20 mm	20 mm	125 mm	KV450	BU4560	BSCL12	CCMT1204...
SCLCR25E	€ 60,80	Dx/R	25 mm	25 mm	150 mm	KV450	BU4560	BSCL12	CCMT1204...
SCLCL25E	€ 60,80	Sx/L	25 mm	25 mm	150 mm	KV450	BU4560	BSCL12	CCMT1204...

SSSCXE

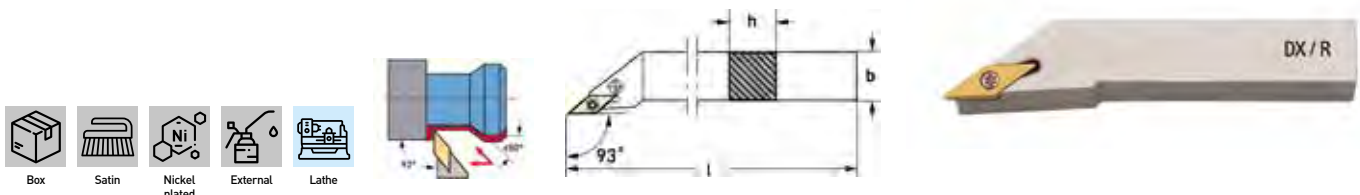
45° EXTERNAL TOOL HOLDER



Art.	€	Side	b	h	l	Screw	Bushing	Base	Insert (not included)
SSSCR20E	€ 49,50	Dx/R	20 mm	20 mm	125 mm	KV400	BU4560	BSSS12	SCMT1204...
SSSCL20E	€ 49,50	Sx/L	20 mm	20 mm	125 mm	KV400	BU4560	BSSS12	SCMT1204...
SSSCR25E	€ 63,80	Dx/R	25 mm	25 mm	150 mm	KV450	BU4560	BSSS12	SCMT1204...
SSSCL25E	€ 63,80	Sx/L	25 mm	25 mm	150 mm	KV450	BU4560	BSSS12	SCMT1204...

SVJBX

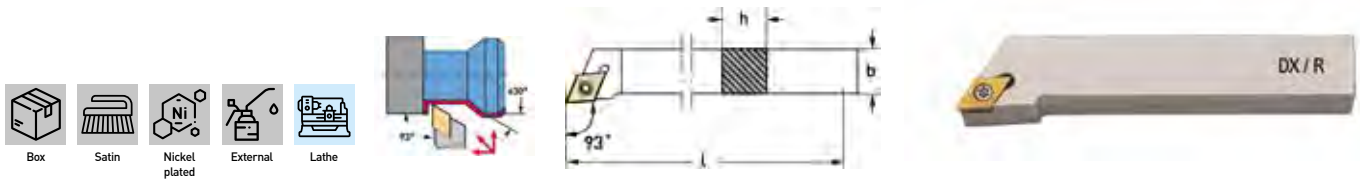
93° EXTERNAL TOOL HOLDER



Art.	€	Side	b	h	l	Screw	Bushing	Base	Insert (not included)
SVJBR20	€ 49,50	Dx/R	20 mm	20 mm	125 mm	KV350	BU3550	BSVJ16	VBMT1604...
SVJBL20	€ 49,50	Sx/L	20 mm	20 mm	125 mm	KV350	BU3550	BSVJ16	VBMT1604...
SVJBR25	€ 63,80	Dx/R	25 mm	25 mm	150 mm	KV350	BU3550	BSVJ16	VBMT1604...
SVJBL25	€ 63,80	Sx/L	25 mm	25 mm	150 mm	KV350	BU3550	BSVJ16	VBMT1604...

SDJCX

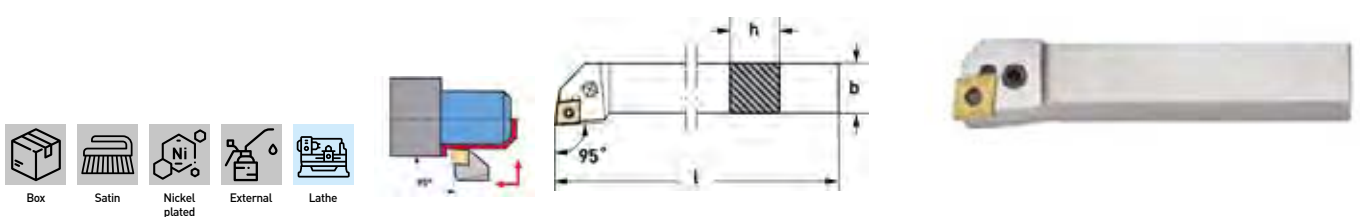
93° EXTERNAL TOOL HOLDER



Art.	€	Side	b	h	l	Screw	Bushing	Base	Insert (not included)
SDJCR10	€ 28,50	Dx/R	10 mm	10 mm	70 mm	KV250	-----	-----	DCMT0702...
SDJCR12	€ 41,00	Dx/R	12 mm	12 mm	80 mm	KV250	-----	-----	DCMT0702...
SDJCR16	€ 47,20	Dx/R	16 mm	16 mm	100 mm	KV250	-----	-----	DCMT0702...
SDJCR20	€ 53,40	Dx/R	20 mm	20 mm	125 mm	KV350	BU3550	BSDJ11	DCMT11T3...
SDJCL20	€ 53,40	Sx/L	20 mm	20 mm	125 mm	KV350	BU3550	BSDJ11	DCMT11T3...
SDJCR25	€ 67,70	Dx/R	25 mm	25 mm	150 mm	KV350	BU3550	BSDJ11	DCMT11T3...
SDJCL25	€ 67,70	Sx/L	25 mm	25 mm	150 mm	KV350	BU3550	BSDJ11	DCMT11T3...

PCLNX

95° EXTERNAL TOOL HOLDER

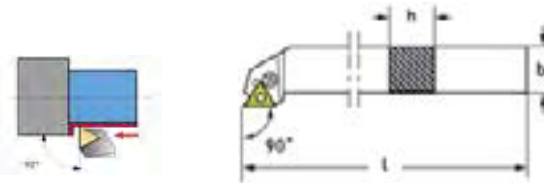
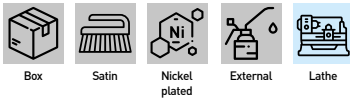


Art.	€	Side	b	h	l	Spare parts	Insert (not included)
PCLNR16	€ 41,10	Dx/R	16 mm	16 mm	100 mm	RICAPCLN	CNMG1204...
PCLNR20	€ 53,80	Dx/R	20 mm	20 mm	125 mm	RICAPCLN	CNMG1204...
PCLNL20	€ 53,80	Sx/L	20 mm	20 mm	125 mm	RICAPCLN	CNMG1204...
PCLNR25	€ 63,80	Dx/R	25 mm	25 mm	150 mm	RICAPCLN	CNMG1204...
PCLNL25	€ 63,80	Sx/L	25 mm	25 mm	150 mm	RICAPCLN	CNMG1204...



PTGNX

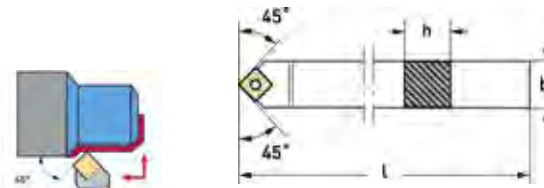
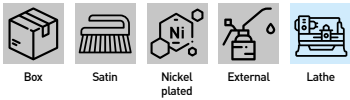
90° EXTERNAL TOOL HOLDER



Art.	€	Side	b	l	h	Spare parts	Insert (not included)
PTGNR16	€ 41,10	Dx/R	16 mm	16 mm	100 mm	RICAPTGN	TNMG1604...
PTGNR20	€ 50,20	Dx/R	20 mm	20 mm	125 mm	RICAPTGN	TNMG1604...
PTGNL20	€ 50,20	Sx/L	20 mm	20 mm	125 mm	RICAPTGN	TNMG1604...
PTGNR25	€ 63,80	Dx/R	25 mm	25 mm	150 mm	RICAPTGN	TNMG1604...
PTGNL25	€ 63,80	Sx/L	25 mm	25 mm	150 mm	RICAPTGN	TNMG1604...

PSSNX

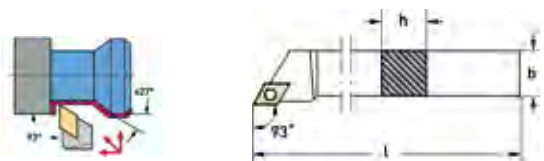
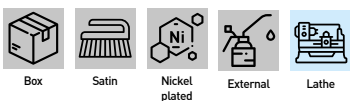
45° EXTERNAL TOOL HOLDER



Art.	€	Side	b	h	l	Spare parts	Insert (not included)
PSSNR16	€ 41,10	Dx/R	16 mm	16 mm	100 mm	RICAPSSN	SNMG1204...
PSSNR20	€ 50,70	Dx/R	20 mm	20 mm	125 mm	RICAPSSN	SNMG1204...
PSSNL20	€ 50,70	Sx/L	20 mm	20 mm	125 mm	RICAPSSN	SNMG1204...
PSSNR25	€ 63,80	Dx/R	25 mm	25 mm	150 mm	RICAPSSN	SNMG1204...
PSSNL25	€ 63,80	Sx/L	25 mm	25 mm	150 mm	RICAPSSN	SNMG1204...

CKJNX

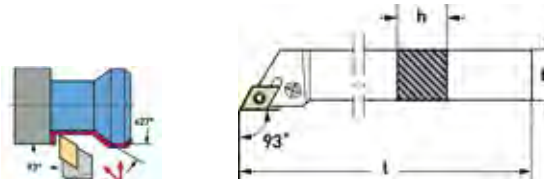
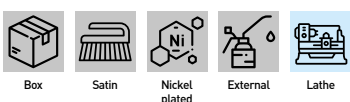
93° EXTERNAL TOOL HOLDER



Art.	€	Side	b	h	l	Bracket	Screw	Base	Insert (not included)
CKJNL20	€ 60,80	Sx/L	20 mm	20 mm	125 mm	STAFCKJNL	VITECKJN	BASECKJNL	KNUX160405L...
CKJNL25	€ 70,60	Sx/L	25 mm	25 mm	150 mm	STAFCKJNL	VITECKJN	BASECKJNL	KNUX160405L...
CKJNR16	€ 50,20	Dx/R	20 mm	16 mm	100 mm	STAFCKJNR	VITECKJN	BASECKJNR	KNUX160405R...
CKJNR20	€ 60,80	Dx/R	20 mm	20 mm	125 mm	STAFCKJNR	VITECKJN	BASECKJNR	KNUX160405R...
CKJNR25	€ 70,60	Dx/R	25 mm	25 mm	150 mm	STAFCKJNR	VITECKJN	BASECKJNR	KNUX160405R...

PDJNX

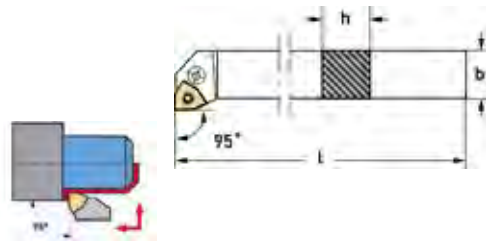
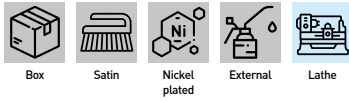
93° EXTERNAL TOOL HOLDER



Art.	€	Side	b	l	h	Spare parts	Insert (not included)
PDJNR20	€ 52,00	Dx/R	20 mm	20 mm	125 mm	PDJNRKIT	DNMG1506...
PDJNR25	€ 63,80	Dx/R	25 mm	25 mm	150 mm	PDJNRKIT	DNMG1506...
PDJNL25	€ 63,80	Sx/L	25 mm	25 mm	150 mm	PDJNRKIT	DNMG1506...

PWLNx

95° EXTERNAL TOOL HOLDER



Art.	€	Side	b	h	l	Spare parts	Insert (not included)
PWLN20	€ 52,00	Dx/R	20 mm	20 mm	125 mm	PWLNKIT	WNMG0804...
PWLN25	€ 63,80	Dx/R	25 mm	25 mm	150 mm	PWLNKIT	WNMG0804...
PWLN25	€ 63,80	Sx/L	25 mm	25 mm	150 mm	PWLNKIT	WNMG0804...

G007-

KNURLING TOOL WITH 3 PAIRS OF KNURLING WHEELS, WITH DIAMOND PATTERN

Diamond-shaped 45° for the execution of knurling for deformation in turning. Equipped with 2 spare wheels 0.8mm pitch



Art.	€	Spindle	Pitch
G007/16	€ 73,00	16 mm	0,8 - 1,2 - 1,8 mm
G007/20	€ 74,10	20 mm	0,8 - 1,2 - 1,8 mm



KISCLCR

€ 227,00

SOLID BORING BAR SET 95°



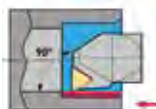
Int. tool holder	SCLCR08; SCLCR10; SCLCR12; SCLCR16
Bits	CCMT060204N x 10 Pcs
Torx key	T7 x 2 Pcs
Screw	T7 x 2,5 mm x 4 Pcs



KISTCMT

€ 268,00

SOLID BORING BAR SET 90°



Int. tool holder	STFCR08; STFCR10; STFCR12; STFCR16; STFCR20
Bits	TCMT110204N x 10 Pcs
Torx key	T8 x 2 Pcs
Screw	T8 x 2,5 mm x 2 Pcs

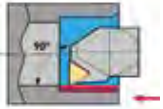




KISTFCR

SOLID BORING BAR SET 90°

€ 211,00

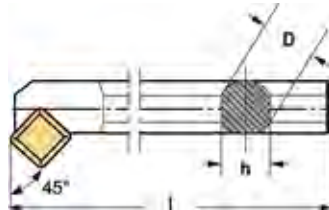
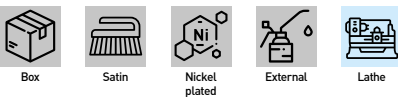
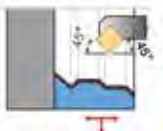


Int. tool holder	STFCR08, STFCR10, STFCR12, STFCR16, STFCR20
Insert (not included)	TCMT110204...
Torx key	T8 x 2 Pcs
Screw	T8 x 2,5 mm x 5 Pcs



SSSCRX

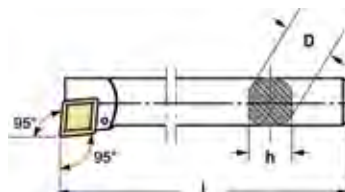
45° INTERNAL TOOL HOLDER



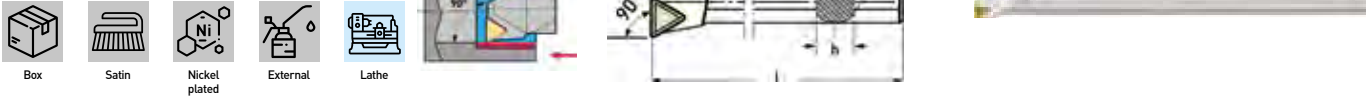
Art.	€	D	h	l	Screw	Insert (not included)
SSSCR16	€ 48,70	16 mm	15 mm	200 mm	KV400	SCMT09T3...
SSSCR20	€ 54,20	20 mm	18 mm	250 mm	KV400	SCMT09T3...
SSSCR25	€ 63,80	25 mm	22.5 mm	300 mm	KV400	SCMT09T3...

SCLCX

95° SOLID BORING BAR



Art.	€	Side	D	h	l	Screw	Insert (not included)
SCLCR08	€ 57,70	Dx/R	8 mm	7 mm	125 mm	KV250	CCMT0602...
SCLCL08	€ 57,70	Sx/L	8 mm	7 mm	125 mm	KV250	CCMT0602...
SCLCR10	€ 57,70	Dx/R	10 mm	9 mm	140 mm	KV250	CCMT0602...
SCLCL10	€ 57,70	Sx/L	10 mm	9 mm	140 mm	KV250	CCMT0602...
SCLCR12	€ 57,70	Dx/R	12 mm	11 mm	160 mm	KV250	CCMT0602...
SCLCL12	€ 57,70	Sx/L	12 mm	11 mm	160 mm	KV250	CCMT0602...
SCLCR16	€ 65,40	Dx/R	16 mm	14,5 mm	180 mm	KV400	CCMT09T3...
SCLCL16	€ 65,40	Sx/L	16 mm	14,5 mm	180 mm	KV400	CCMT09T3...
SCLCR20	€ 65,40	Dx/R	20 mm	18 mm	200 mm	KV400	CCMT09T3...
SCLCL20	€ 65,40	Sx/L	20 mm	18 mm	200 mm	KV400	CCMT09T3...
SCLCR25	€ 73,00	Dx/R	25 mm	22,5 mm	250 mm	KV400	CCMT09T3...
SCLCL25	€ 73,00	Sx/L	25 mm	22,5 mm	250 mm	KV400	CCMT09T3...
SCLCR32	€ 103,00	Dx/R	32 mm	29 mm	300 mm	KV400	CCMT09T3...
SCLCL32	€ 103,00	Sx/L	32 mm	29 mm	300 mm	KV400	CCMT09T3...

STFCX
90° SOLID BORING BAR


Art.	€	Side	D	h	l	Screw	Insert (not included)
STFCR08	€ 57,70	Dx/R	8 mm	7 mm	125 mm	KV250	TCMT1102...
STFCL08	€ 57,70	Sx/L	8 mm	7 mm	125 mm	KV250	TCMT1102...
STFCR10	€ 57,70	Dx/R	10 mm	9 mm	150 mm	KV250	TCMT1102...
STFCL10	€ 57,70	Sx/L	10 mm	9 mm	150 mm	KV250	TCMT1102...
STFCR12	€ 57,70	Dx/R	12 mm	11 mm	150 mm	KV250	TCMT1102...
STFCL12	€ 57,70	Sx/L	12 mm	11 mm	150 mm	KV250	TCMT1102...
STFCR16	€ 65,40	Dx/R	16 mm	14,5 mm	200 mm	KV250	TCMT1102...
STFCL16	€ 65,40	Sx/L	16 mm	14,5 mm	200 mm	KV250	TCMT1102...
STFCR20	€ 65,40	Dx/R	20 mm	18,5 mm	250 mm	KV250	TCMT1102...
STFCL20	€ 65,40	Sx/L	20 mm	18,5 mm	200 mm	KV250	TCMT1102...
STFCR25	€ 73,00	Dx/R	25 mm	22,5 mm	250 mm	KV350	TCMT16T3...
STFCL25	€ 73,00	Sx/L	25 mm	22,5 mm	250 mm	KV350	TCMT16T3...
STFCR32	€ 103,00	Dx/R	32 mm	29 mm	300 mm	KV350	TCMT16T3...
STFCL32	€ 103,00	Sx/L	32 mm	29 mm	300 mm	KV350	TCMT16T3...

SDUCX
93° SOLID BORING BAR


Art.	€	Side	D	h	l	Screw	Insert (not included)
SDUCR10	€ 57,70	Dx/R	10 mm	9 mm	140 mm	KV250	DCMT0702...
SDUCL10	€ 57,70	Sx/L	10 mm	9 mm	140 mm	KV250	DCMT0702...
SDUCR12	€ 57,70	Dx/R	12 mm	11 mm	160 mm	KV250	DCMT0702...
SDUCL12	€ 57,70	Sx/L	12 mm	11 mm	160 mm	KV250	DCMT0702...
SDUCR16	€ 65,40	Dx/R	16 mm	15 mm	180 mm	KV250	DCMT0702...
SDUCL16	€ 65,40	Sx/L	16 mm	15 mm	180 mm	KV250	DCMT0702...
SDUCR20	€ 65,40	Dx/R	20 mm	18 mm	200 mm	KV350	DCMT11T3...
SDUCL20	€ 65,40	Sx/L	20 mm	18 mm	200 mm	KV350	DCMT11T3...
SDUCR25	€ 73,00	Dx/R	25 mm	23 mm	250 mm	KV350	DCMT11T3...
SDUCL25	€ 73,00	Sx/L	25 mm	23 mm	250 mm	KV350	DCMT11T3...
SDUCR32	€ 103,00	Dx/R	32 mm	30 mm	300 mm	KV350	DCMT11T3...
SDUCL32	€ 103,00	Sx/L	32 mm	30 mm	300 mm	KV350	DCMT11T3...

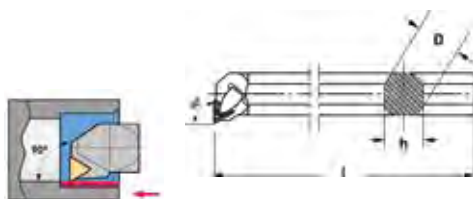
MCLNX
95° SOLID BORING BAR


Art.	€	Side	D	h	l	Bracket	Base	Insert (not included)
MCLNR16	€ 75,10	Dx/R	16 mm	15 mm	210 mm	CTMTMC16/20	-----	CNMG1204...
MCLNL16	€ 75,10	Sx/L	16 mm	15 mm	210 mm	CTMTMC16/20	-----	CNMG1204...
MCLNR20	€ 82,80	Dx/R	20 mm	18 mm	255 mm	CTMTMC16/20	-----	CNMG1204...
MCLNL20	€ 82,80	Sx/L	20 mm	18 mm	255 mm	CTMTMC16/20	-----	CNMG1204...
MCLNR25	€ 105,00	Dx/R	25 mm	23 mm	300 mm	CTMTMC25/32	MCLNBASE25/32	CNMG1204...
MCLNL25	€ 105,00	Sx/L	25 mm	23 mm	300 mm	CTMTMC25/32	MCLNBASE25/32	CNMG1204...
MCLNR32	€ 128,00	Dx/R	32 mm	30 mm	355 mm	CTMTMC25/32	MCLNBASE25/32	CNMG1204...
MCLNL32	€ 128,00	Sx/L	32 mm	30 mm	355 mm	CTMTMC25/32	MCLNBASE25/32	CNMG1204...



MTFNX

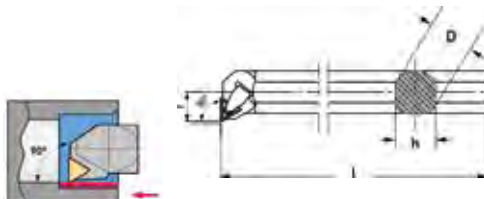
90° SOLID BORING BAR



Art.	€	Side	D	h	l	Bracket	Base	Insert (not included)
MTFNR16	€ 74,10	Dx/R	16 mm	15 mm	210 mm	CTMTMC16/20	-----	TNMG1604...
MTFNL16	€ 74,10	Sx/L	16 mm	15 mm	210 mm	CTMTMC16/20	-----	TNMG1604...
MTFNR20	€ 82,80	Dx/R	20 mm	18 mm	255 mm	CTMTMC16/20	-----	TNMG1604...
MTFNL20	€ 82,80	Sx/L	20 mm	18 mm	255 mm	CTMTMC16/20	-----	TNMG1604...
MTFNR25	€ 105,00	Dx/R	25 mm	23 mm	300 mm	CTMTMC25/32	MTFNBASE25/32	TNMG1604...
MTFNL25	€ 105,00	Sx/L	25 mm	23 mm	300 mm	CTMTMC25/32	MTFNBASE25/32	TNMG1604...
MTFNR32	€ 128,00	Dx/R	32 mm	30 mm	355 mm	CTMTMC25/32	MTFNBASE25/32	TNMG1604...
MTFNL32	€ 128,00	Sx/L	32 mm	30 mm	355 mm	CTMTMC25/32	MTFNBASE25/32	TNMG1604...

CTFPX

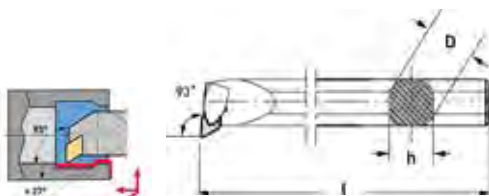
90° SOLID BORING BAR



Art.	€	Side	D	h	l	Bracket	Base	Insert (not included)
CTFPR10	€ 63,20	Dx/R	10 mm	9 mm	150 mm	CTFP10/12	-----	TPMR0902...
CTFPL10	€ 63,20	Sx/L	10 mm	9 mm	150 mm	CTFP10/12	-----	TPMR0902...
CTFPR12	€ 63,20	Dx/R	12 mm	11 mm	150 mm	CTFP10/12	-----	TPMR1103...
CTFPL12	€ 63,20	Sx/L	12 mm	11 mm	150 mm	CTFP10/12	-----	TPMR1103...
CTFPR16	€ 73,00	Dx/R	16 mm	15 mm	210 mm	CTMTMC16/20	-----	TPMR1103...
CTFPL16	€ 73,00	Sx/L	16 mm	15 mm	210 mm	CTMTMC16/20	-----	TPMR1103...
CTFPR20	€ 82,80	Dx/R	20 mm	18 mm	255 mm	CTMTMC16/20	-----	TPMR1603...
CTFPL20	€ 82,80	Sx/L	20 mm	18 mm	255 mm	CTMTMC16/20	-----	TPMR1603...
CTFPR25	€ 102,00	Dx/R	25 mm	23 mm	300 mm	CTMTMC25/32	CTFPBASE25/32	TPMR1603...
CTFPL25	€ 102,00	Sx/L	25 mm	23 mm	300 mm	CTMTMC25/32	CTFPBASE25/32	TPMR1603...
CTFPR32	€ 128,00	Dx/R	32 mm	30 mm	355 mm	CTMTMC25/32	CTFPBASE25/32	TPMR1603...
CTFPL32	€ 128,00	Sx/L	32 mm	30 mm	355 mm	CTMTMC25/32	CTFPBASE25/32	TPMR1603...

CKUNR

93° SOLID BORING BAR

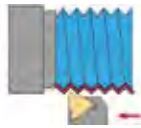


Art.	€	Side	D	h	l	Bracket	Screw	Base	Insert (not included)
CKUNR25	€ 167,00	Dx/R	25 mm	23 mm	300 mm	STAFCKJNR	VITECKJN	BASECKJNR	KNUX1604...
CKUNR32	€ 190,00	Dx/R	32 mm	30 mm	350 mm	STAFCKJNR	VITECKJN	BASECKJNR	KNUX1604...
CKUNR40	€ 200,00	Dx/R	40 mm	37 mm	400 mm	STAFCKJNR	VITECKJN	BASECKJNR	KNUX1604...

KISER

EXTERNAL THREAD TOOL HOLDER

Consisting of external threading tool (1 Pc), M3.5 X 12mm spare screw (1 Pc), 2.5mm hex wrench (1 Pc), T15 torx wrench (1 Pc) and assorted inserts: AG55 - AG60; - ISO 0.8 - 1.00 - 1.25 - 1.50 - 1.75 - 2.00 - 2.50 - 3.00mm (1 Pc each).

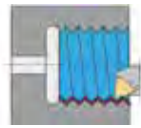


Art.	€	Ext. tool holder	Insert	Torx key	Screw	b	l	h
KISER	€ 179,00	SER20	16ER...	T15	M3,5 x 12 mm	20 mm	20 mm	125 mm
KISER25	€ 235,00	SER25	16ER...	T15	M3,5 x 12 mm	25 mm	25 mm	150 mm

KISNR

INTERNAL THREAD TOOL HOLDER

Consisting of internal threading tool (1 Pc), spare M3.5 X 12mm screw (1 Pc), 2.5mm hex wrench (1 Pc), T15 torx wrench (1 Pc) and assorted inserts: AG55 - AG60; - ISO 0.8 - 1.00 - 1.25 - 1.50 - 1.75 - 2.00 - 2.50 - 3.00mm (1 Pc each).



Art.	€	Int. tool holder	Insert	Torx key	Screw	D	h	l
KISNR	€ 206,00	SNR20	16IR...	T15	M3.5 x 12 mm	20 mm	18 mm	170 mm
KISNR25	€ 246,00	SNR25	16IR...	T15	M3.5 x 12 mm	25 mm	23 mm	200 mm

KICAN

€ 230,00

INTERNAL AND EXTERNAL GROOVING TOOL HOLDER SET

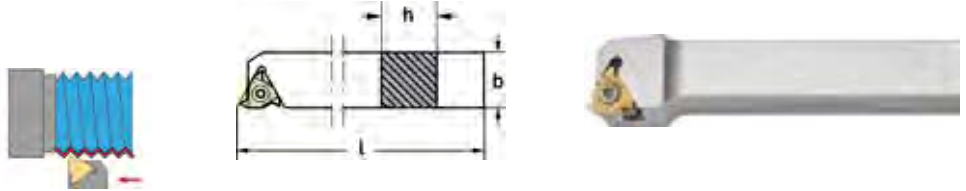
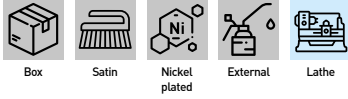
Consisting of the tool for external grooves: 20 x 20 mm (1 Pc), the tool for internal grooves: ø 20mm (1 Pc), spare screw M4 x 12mm (2 Pcs), torx wrench: T15 (1 Pc) and inserts for 16mm groove TIN coated: 165110134 (2 Pcs), 165130134 (2 Pcs), 165160134 (2 Pcs), 165185134 (1 Pc), 165215134 (1 Pc), 165265134 (1 Pc), 165315134 (1 Pc).





SERX

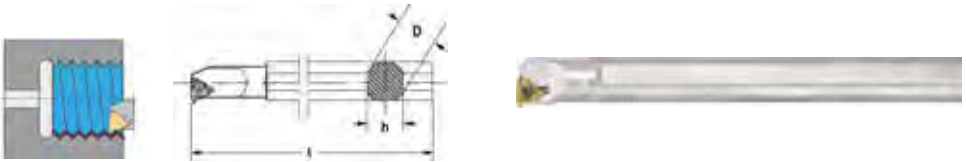
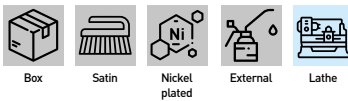
EXTERNAL THREAD TOOL HOLDER



Art.	€	b	h	l	Base	Bushing	Screw	Insert (not included)
SER16	€ 54,80	16 mm	16 mm	100 mm	-----	-----	KV350	16ER...
SER20	€ 70,40	20 mm	20 mm	125 mm	BSER16	BU3550	KV350	16ER...
SER25	€ 81,30	25 mm	25 mm	150 mm	BSER16	BU3550	KV350	16ER...

SNRX

INTERNAL THREAD TOOL HOLDER

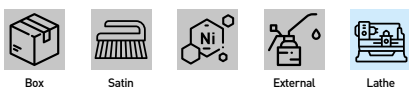
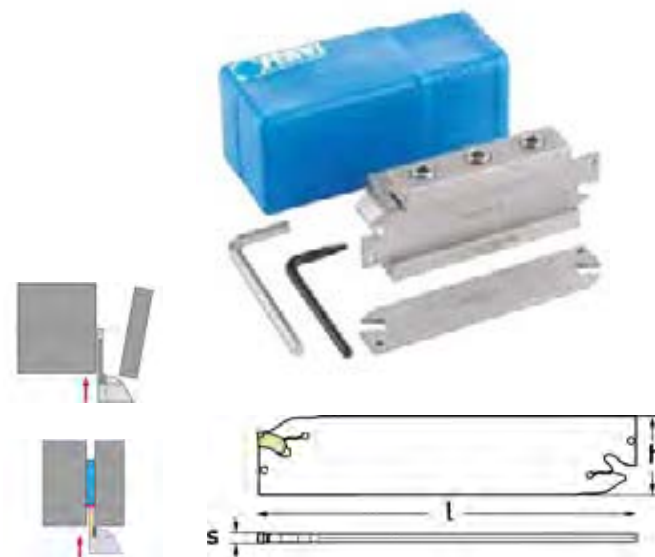


Art.	€	D	h	l	Base	Screw	Bushing	Insert (not included)
SNR12	€ 54,80	12 mm	11 mm	150 mm	-----	KV250	-----	11IR...
SNR16	€ 63,90	16 mm	15 mm	170 mm	-----	KV350	-----	16IR...
SNR20	€ 77,40	20 mm	18 mm	200 mm	BSNR16	KV350	BU3550	16IR...
SNR25	€ 95,90	25 mm	23 mm	300 mm	BSNR16	KV350	BU3550	16IR...

T088

€ 99,00

TOOL CUTTING SET

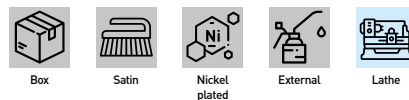
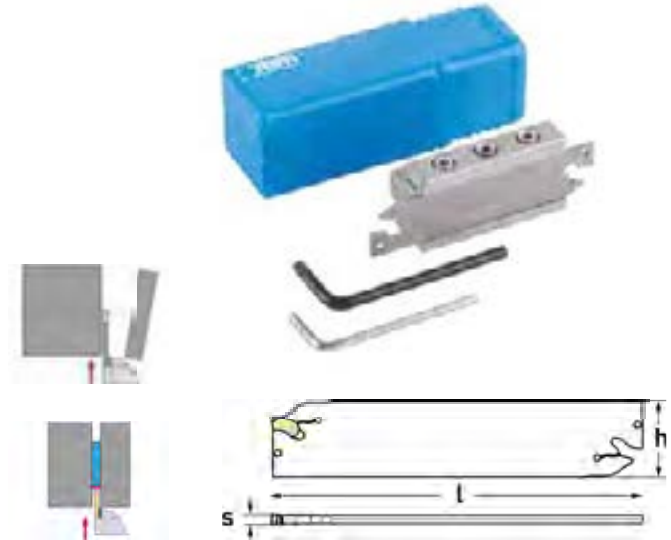


Set composition	1 Pcs SGTBK16 - 1 Pcs SGIH26/2 - 1 Pcs SGIH26/3
S	2 - 3 mm
h	25.75 mm
l	109 mm
Insert (not included)	GCMX2N - GCMX3N

T089

€ 69,30

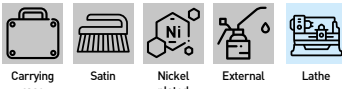
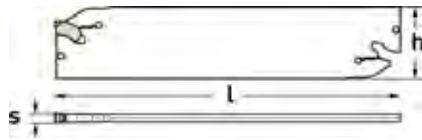
TOOL CUTTING SET



Set composition	1 Pcs SGIH19/2 - 1 Pcs SGTBK10
S	2 mm
h	19.5 mm
l	85 mm
Insert (not included)	GCMX2N

T09X

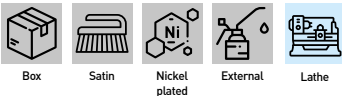
TOOL CUTTING SET



Art.	€	Set composition	S	h	l	Insert (not included)
T090	€ 163,00	1 Pcs SGIH32/3 - 1 Pcs SGIH32/4 - 1 Pcs SGIH32/5 - 1 Pcs SGTBK25	3 - 4 - 5 mm	31,75 mm	150 - 160 mm	GCMX3N - GCMX4N - GCMX5N
T091	€ 119,00	1 Pcs SGIH26/2 - 1 Pcs SGIH26/3 - 1 Pcs SGTBK20	2 - 3 mm	25,75 mm	109 mm	GCMX2N - GCMX3N

SGIH

TOOL FOR EXTERNAL CUTTING - BLADE



Art.	€	S	h	l	Insert (not included)
SGIH26/2	€ 33,00	2 mm	25.75 mm	109 mm	GCMX2N...
SGIH26/3	€ 33,00	3 mm	25.75 mm	109 mm	GCMX3N...
SGIH32/3	€ 33,00	3 mm	31.75 mm	150 mm	GCMX3N...
SGIH32/4	€ 33,00	4 mm	31 mm	150 mm	GCMX4N...
SGIH32/5	€ 33,00	5 mm	31.75 mm	150 mm	GCMX5N...
SGIH19/2	€ 26,50	2 mm	19.5 mm	85 mm	GCMX2N...

SGTBK

TOOL FOR EXTERNAL CUTTING - BLADE TOOL HOLDER



Art.	€	Spindle	Dimensions	Blade
SGTBK10	€ 43,80	10 x 10 mm	56 x 25 x 30 mm	19 mm
SGTBK16	€ 47,50	16 x 16 mm	87 x 38 x 33 mm	26 mm
SGTBK20	€ 52,30	20 x 20 mm	100 x 38 x 45h mm	26 mm
SGTBK25	€ 65,30	25 x 25 mm	110 x 49 x 48h mm	32 mm



MAIN TYPES OF MILLING

Shoulder milling


Milling that generates 2 faces at the same time obtaining a 90° shoulder

Flattening


Milling to make a rough surface flat

High feed milling


Face milling with tools that allow high feed rates (up to 4mm/tooth)

Copying


Combination of discordant and concordant milling, requires many unfavourable engagements and disengagements in cutting.

Quarry milling


Milling for the execution of a quarry or a seat

Chamfering


Milling for chamfering holes or contours.

MAIN MILLING FORMULAS

- $V_t = (D_{cap} \times n \times n) \div 1000$
- $n = (V_t \times 1000) \div (n \times D_{cap})$
- $F_z = V_f \div (n \times Z_c)$
- $V_f = F_z \times n \times Z_c$

Key

D_{cap} : Cutting diameter at effective cutting depth d_{oc} (mm)

F_z : Feed per tooth (mm/tooth)

Z_c : Number of effective milling machine teeth

V_f : Table feed (mm/min)

F_n : Feed per revolution (mm/tooth)

d_{oc} : Cutting depth (mm)

V_c : Cutting speed (m/min)

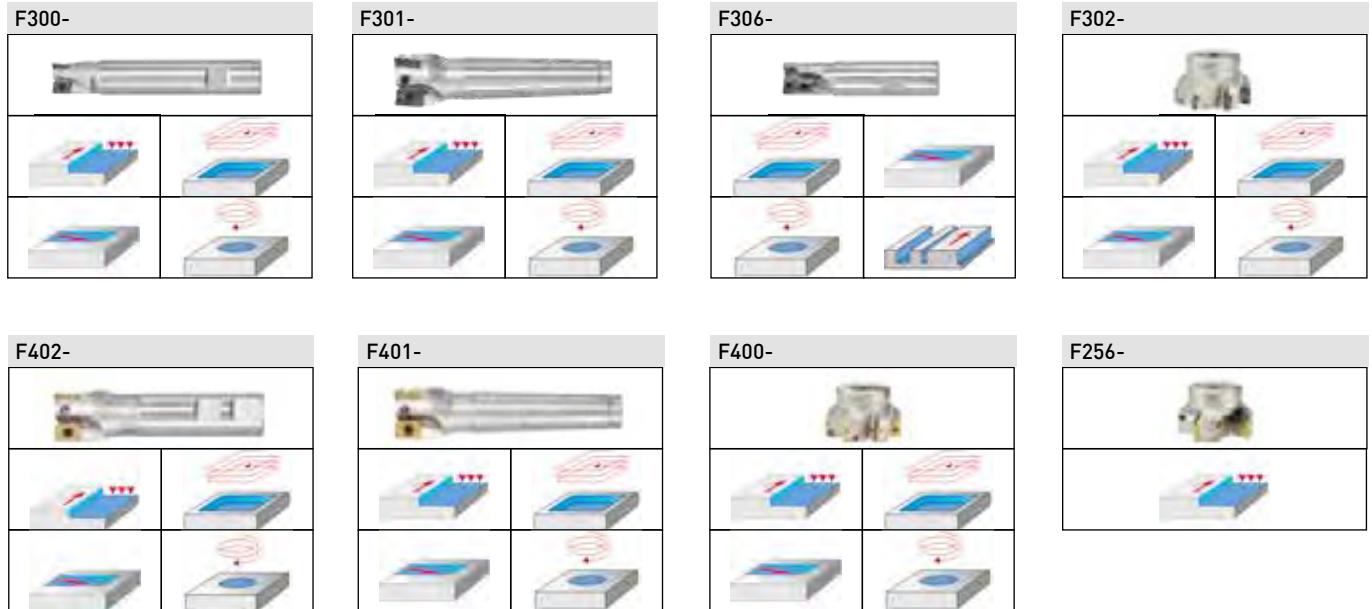
n : Spindle rotation speed (mm/min)

π : its value is 3.14

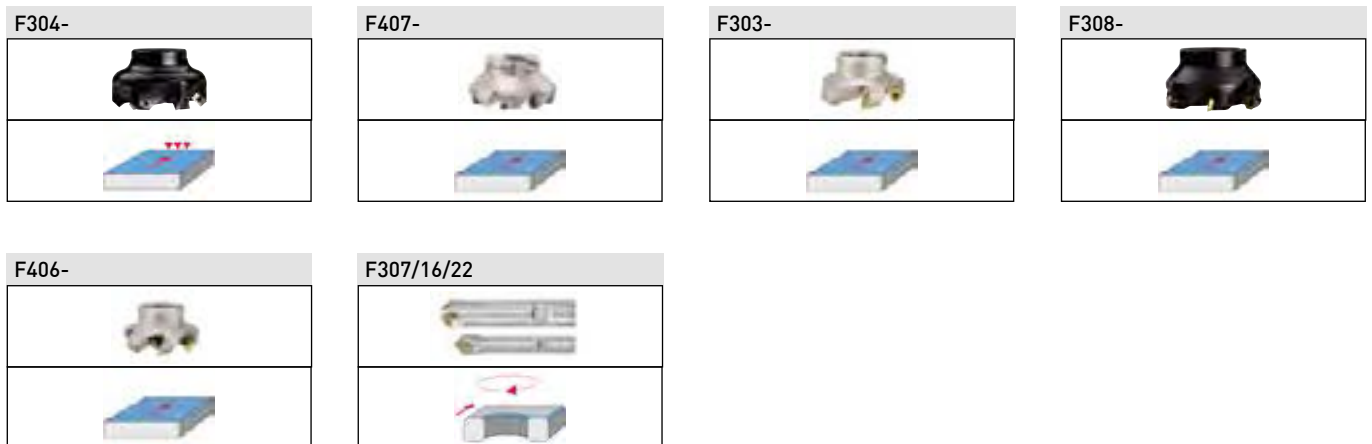


FERVI MILLING TOOLS TYPOLOGY

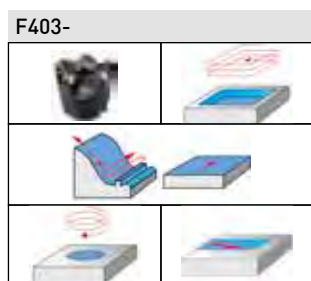
90° MILLING CUTTER



45° MILLING MACHINE

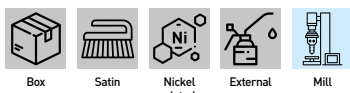


MILLING MACHINE FOR CONTOURING AND FLATTENING ROUND INSERTS



F300-
STRAIGHT SHANK FACE MILLING CUTTER

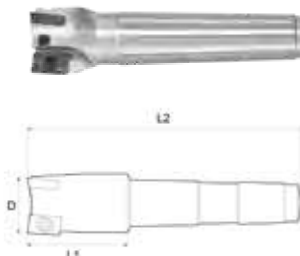
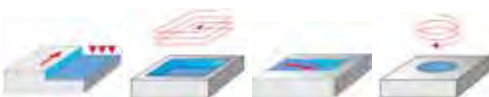
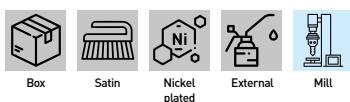
With cylindrical shank



Art.	€	D	d	Z	L1	L2	Screw	Insert (not included)
F300/12	€ 37,50	12 mm	12 mm	1	27 mm	120 mm	KV250	APKT1003...
F300/14	€ 37,50	14 mm	12 mm	1	27 mm	120 mm	KV250	APKT1003...
F300/16	€ 44,60	16 mm	16 mm	2	27 mm	120 mm	KV250	APKT1003...
F300/18	€ 49,70	18 mm	16 mm	2	27 mm	120 mm	KV250	APKT1003...
F300/20	€ 53,30	20 mm	20 mm	3	27 mm	120 mm	KV250	APKT1003...
F300/22	€ 53,30	22 mm	20 mm	3	27 mm	120 mm	KV250	APKT1003...
F300/25	€ 63,80	25 mm	20 mm	4	27 mm	120 mm	KV250	APKT1003...
F300/25/16	€ 63,80	25 mm	20 mm	2	44 mm	120 mm	KV400	APKT1604...
F300/25/16L	€ 74,20	25 mm	20 mm	2	44 mm	200 mm	KV400	APKT1604...
F300/32/16	€ 74,20	32 mm	25 mm	3	50 mm	120 mm	KV400	APKT1604...
F300/32/16L	€ 103,00	32 mm	32 mm	3	55 mm	200 mm	KV400	APKT1604...

F301-
STRAIGHT SHANK FACE MILLING CUTTER

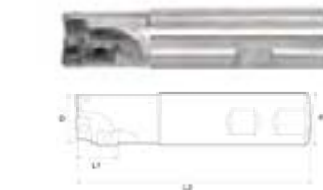
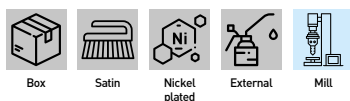
With DIN 228/A morse taper



Art.	€	D	MT	Z	L1	L2	Screw	Insert (not included)
F301/25	€ 66,10	25 mm	3	2	40 mm	125 mm	KV400	APKT1604...
F301/32	€ 70,60	32 mm	3	3	40 mm	125 mm	KV400	APKT1604...
F301/40	€ 90,10	40 mm	3	4	35 mm	125 mm	KV400	APKT1604...
F301/32CM4	€ 90,10	32 mm	4	3	45 mm	150 mm	KV400	APKT1604...
F301/40CM4	€ 95,90	40 mm	4	4	40 mm	150 mm	KV400	APKT1604...

F306-
FACE MILLING CUTTER

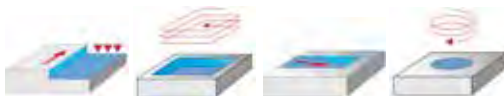
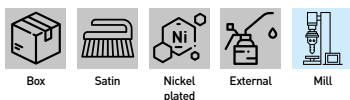
With front perforating cut for making slots, with cylindrical attachment. It allows you to make slots from solid



Art.	€	D	d	Z	L1	L2	Screw	Insert (not included)
F306/20	€ 82,30	20 mm	20 mm	3	18 mm	90 mm	KV250	APKT1003...
F306/25	€ 100,00	25 mm	25 mm	3	18 mm	100 mm	KV250	APKT1003...

F302-
FACE MILLING CUTTER

With sleeve connection



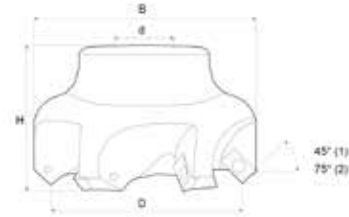
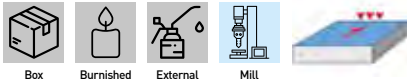
Art.	€	D	L	d	Z	Screw	Insert (not included)
F302/040	€ 145,00	40 mm	40 mm	16 mm	4	KV400	APKT1604...
F302/050	€ 150,00	50 mm	45 mm	22 mm	4	KV400	APKT1604...
F302/063	€ 158,00	63 mm	50 mm	22 mm	6	KV400	APKT1604...
F302/080	€ 187,00	80 mm	50 mm	27 mm	7	KV400	APKT1604...
F302/100	€ 232,00	100 mm	50 mm	32 mm	8	KV400	APKT1604...



F304-

FACE MILLING CUTTER FOR BLIND SIDE'S INSERT

With sleeve connection

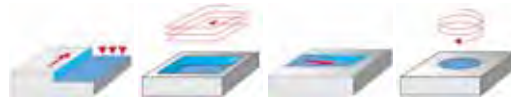
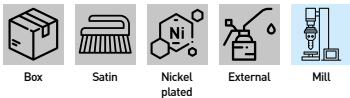


Art.	€	D	H	B	d	Z	Screw	Insert (not included)
F304/063	€ 268,00	63 mm	42 mm	71.2 mm	22 mm	6	KV250	APKT1003...
F304/080	€ 217,00	80 mm	47 mm	84 mm	27 mm	5	KV400	APKT1604...

F402-

FACE MILLING CUTTER

With cylindrical shank

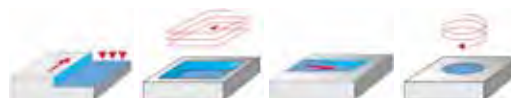
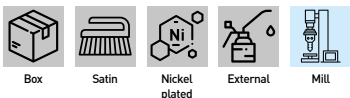


Art.	€	D	d	Z	L1	L2	Screw	Insert (not included)
F402/25	€ 53,80	25 mm	20 mm	2	35 mm	110 mm	KV400	ADLT1503...
F402/32	€ 67,70	32 mm	25 mm	3	35 mm	120 mm	KV400	ADLT1503...
F402/25L	€ 73,30	25 mm	25 mm	2	35 mm	200 mm	KV400	ADLT1503...
F402/32L	€ 94,00	32 mm	25 mm	3	35 mm	200 mm	KV400	ADLT1503...

F401-

FACE MILLING CUTTER

With DIN 228/A morse taper

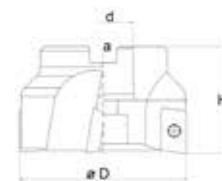
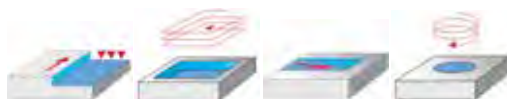
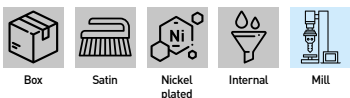


Art.	€	D	MT	Z	L1	L2	Screw	Insert (not included)
F401/25	€ 65,00	25 mm	3	2	44 mm	130 mm	KV400	ADLT1503...
F401/32	€ 79,40	32 mm	3	3	44 mm	130 mm	KV400	ADLT1503...
F401/40	€ 87,00	40 mm	3	4	44 mm	130 mm	KV400	ADLT1503...
F401/40CM4	€ 102,00	40 mm	4	4	44 mm	153 mm	KV400	ADLT1503...

F400-

FACE MILLING CUTTER

With sleeve connection, recommended for use on machines with medium power

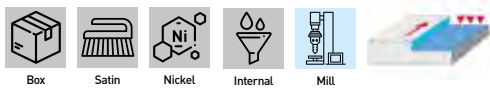


Art.	€	D	H	a	d	Z	Screw	Insert (not included)
F400/040	€ 93,20	40 mm	40 mm	8,4 mm	16 mm	4	KV400	ADLT1503...
F400/050	€ 125,00	50 mm	40 mm	10,4 mm	22 mm	5	KV400	ADLT1503...
F400/063	€ 143,00	63 mm	40 mm	10,4 mm	22 mm	6	KV400	ADLT1503...
F400/080	€ 183,00	80 mm	50 mm	12,4 mm	27 mm	7	KV400	ADLT1503...
F400/100	€ 225,00	100 mm	50 mm	14,4 mm	32 mm	8	KV400	ADLT1503...

F256-

FACE MILLING

With sleeve connection, recommended for use on machines with medium power



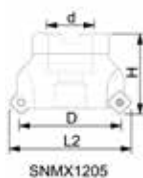
Art.	€	D	H	a	d	Z	Screw	Insert (not included)
F256/040	€ 147,00	40 mm	40 mm	16 mm	16 mm	3	F256/644	TPKN1603...
F256/050	€ 151,00	50 mm	40 mm	16 mm	22 mm	3	F256/644	TPKN1603...
F256/063	€ 164,00	63 mm	40 mm	16 mm	22 mm	3	F256/644	TPKN1603...
F256/080	€ 168,00	80 mm	50 mm	22 mm	27 mm	4	F256/648	TPKN2204...
F256/100	€ 217,00	100 mm	50 mm	22 mm	32 mm	5	F256/648	TPKN2204...

F407-

PRO

MILLING CUTTER WITH NEGATIVE INSERTS FOR FACE MILLING

With sleeve connection, recommended for use on machines with medium/high power.

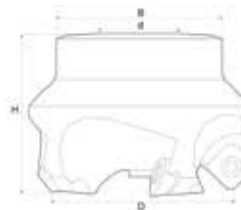
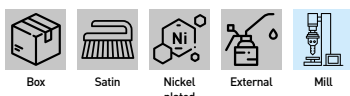


Art.	€	D	H	L2	d	Z	Screw	Insert (not included)
F407/050	€ 123,00	50	40	63	22	4	KV401	ONMX1205... - SNMX1205...
F407/063	€ 164,00	63	40	75	22	6	KV401	ONMX1205... - SNMX1205...
F407/080	€ 204,00	80	50	93	27	7	KV401	ONMX1205... - SNMX1205...
F407/100	€ 246,00	100	50	113	32	8	KV401	ONMX1205... - SNMX1205...

F303-

FACE MILLING CUTTER

With sleeve connection, recommended for use on machines with medium power

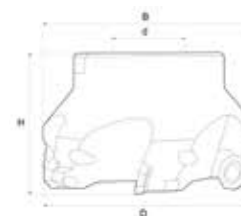


Art.	€	D	H	B	d	Z	Screw	Insert (not included)
F303/040	€ 115,00	40 mm	45 mm	53 mm	16 mm	3	KV500	SEHX1204... / SEHT1204...
F303/050	€ 129,00	50 mm	48 mm	60 mm	22 mm	4	KV500	SEHX1204... / SEHT1204...
F303/063	€ 151,00	63 mm	50 mm	76 mm	22 mm	5	KV500	SEHX1204... / SEHT1204...
F303/080	€ 181,00	80 mm	50 mm	93 mm	27 mm	5	KV500	SEHX1204... / SEHT1204...
F303/100	€ 213,00	100 mm	50 mm	113 mm	32 mm	6	KV500	SEHX1204... / SEHT1204...
F303/125	€ 313,00	125 mm	60 mm	138 mm	40 mm	7	KV500	SEHX1204... / SEHT1204...

F308-

FACE MILLING CUTTERS

With sleeve connection, thanks to the very positive geometry, excellent machined surfaces are obtained



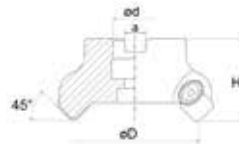
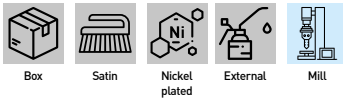
Art.	€	D	H	L2	d	Z	Screw	Insert (not included)
F308/063	€ 215,00	63 mm	40 mm	68 mm	22 mm	5	KV400	OFEX05T3...
F308/080	€ 277,00	80 mm	50 mm	86 mm	27 mm	6	KV400	OFEX05T3...
F308/100	€ 353,00	100 mm	50 mm	106 mm	32 mm	7	KV400	OFEX05T3...



F406-

FACE MILLING CUTTER

With sleeve connection, recommended for use on machines with reduced power



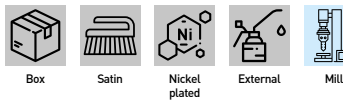
Art.	€	D	H	a	d	Z	Screw	Insert base	Insert (not included)
F406/40	€ 147,00	40 mm	48 mm	8,4 mm	16 mm	3	VT00440	WSSP	SEKN1203...
F406/50	€ 153,00	50 mm	48 mm	10,4 mm	22 mm	4	VT00440	WSSP	SEKN1203...
F406/63	€ 164,00	63 mm	48 mm	12,4 mm	22 mm	5	VT00440	WSSP	SEKN1203...
F406/80	€ 189,00	80 mm	50 mm	14,4 mm	27 mm	5	VT00440	WSSP	SEKN1203...
F406/100	€ 243,00	100 mm	50mm	16,4 mm	32 mm	6	VT00440	WSSP	SEKN1203...

F307/16/22

€ 147,00

INSERTS COUNTER SINKS SET

With cylindrical shank, for deburring of holes, slots and pockets, for milling plate edges



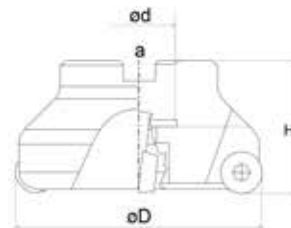
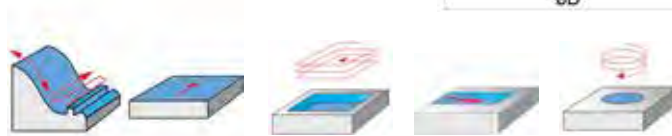
D	16 / 22 mm
d	12 / 20 mm
L1	7 mm
L2	90 / 100 mm
Z	1 / 2
Screw	KV250
Insert (not included)	TCMT1102



F403-

FACE MILLING CUTTER

With sleeve connection



Art.	€	D	H	a	d	Z	Screw	Insert (not included)
F403/40	€ 99,60	40 mm	40 mm	8,4 mm	16 mm	3	KV400	RPMT1204...
F403/50	€ 129,00	50 mm	40 mm	10,4 mm	22 mm	4	KV400	RPMT1204...
F403/63	€ 155,00	63 mm	40 mm	10,4 mm	22 mm	5	KV400	RPMT1204...
F403/80	€ 183,00	80 mm	50 mm	12,4 mm	27 mm	6	KV400	RPMT1204...
F403/100	€ 217,00	100 mm	50 mm	14,4 mm	32 mm	6	KV400	RPMT1204...



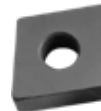
BSTG16 € 24,60
SET 5 BASES
16MM



BU3550 € 24,60
5 BUSHING
SET



BSCL09 € 24,60
SET 5 BASES
9MM



BSCL12 € 24,60
SET 5 BASES
12MM



BU4560 € 24,60
5 BUSHING
SET



BSSS12 € 24,60
5 SQUARE
BASES 12MM



BSVJ16 € 24,60
SET 5 BASES
16MM



BSDJ11 € 27,50
5 RHOMBIC
BASES 11MM



BU4050 € 27,00
5 BUSHING
SET



RICAPCLN € 16,60
BASE
BRACKET
SCREW KIT



RICAPTGN € 15,40
BASE
BRACKET
SCREW KIT



RICAPSSN € 16,60
BASE
BRACKET
SCREW KIT



STAFCKJNR € 19,50
RIGHT TOOL
BRACKET



STAFCKJNL € 19,50
LEFT TOOL
BRACKET



BASECKJNR € 11,30
CARBIDE BASE
RIGHT TOOL



BASECKJNL € 11,30
CARBIDE BASE
LEFT TOOL



VITECKJN € 4,58
TOOL SCREW



PDJNRKIT € 19,00
KIT PARTS



PWLNRKIT € 15,90
BASE
BRACKET
SCREW KIT



MCLNBASE25/32 € 19,30
BASE



CTMTMC16/20 € 23,80
TOOL
BRACKET 16
- 20



CTMTMC25/32 € 23,80
TOOL
BRACKET 25
- 32



MTFNBASE25/32 € 15,00
BASE



CTFP10/12 € 23,80
TOOL
BRACKET



CTFPBASE25/32 € 15,00
BASE
For 25 - 32



BSER16 € 32,50
5 CARBIDE
BASE 16MM



VT00440 € 20,80
5 PCS MILL
SCREWS



BSNR16 € 32,50
5 CARBIDES
16 mm



F256/648 € 12,50
MILL SCREW
080/125



KVX
SCREWS 10 PCS



F256/644 € 7,00
MILL SCREW
040/063



WSSP € 8,50
BASE



Art.	€	Screw
KV200	€ 20,40	T8 / M2
KV250	€ 20,40	T8 / M2,5
KV300	€ 20,40	T15 / M3
KV350	€ 20,40	T15 / M3,5
KV400	€ 20,40	T15 / M4
KV401	€ 20,40	T20 / M4
KV450	€ 20,40	T15 / M4,5
KV500	€ 20,40	T20 / M5



IDENTIFICATION OF TURNING AND MILLING INSERTS

C	N	M	G	12	04	08
1	2	3	4	5	6	7

1 - Shape of insert

2 - Relief angle

4 - Type of insert

5 - Cutting edge length

7 - Raggio

	04	r 0,4
	08	r 0,8
	12	r 1,2
	10	r 1,0

3 - Tollerance

	m	s	d
E	0,025	0,025	0,025
H	0,013	0,025	0,013
L	0,025	0,025	0,05 - 0,13
K	0,013	0,025	0,05 - 0,13
M	0,08	0,13	0,05 - 0,13
U	0,13 - 0,38	0,13 - 0,13	0,08 - 0,25

6 - Thickness

02	2,38 mm		
03	3,18 mm		
T3	3,97 mm		
04	4,76 mm		
05	5,56 mm		
06	6,35 mm		

ISO MATERIAL CLASSIFICATION

P	M	K
Lead and case-hardening steels, tempering and construction steels	Ferritic, austenitic, martensitic, duplex steels	Gray, hardened, spheroidal cast iron, CGI cast iron, sintered iron

CHARACTERISTICS OF INSERT GRADES

Grade	Coating	Work condition	Coolant	
N	CVD	Stable/Normal	X	
134	PVD	Stable/Normal		X
234	PVD	Stable/Normal		X
25	PVD	Stable		X
20A	PVD	Stable/Normal	X	X
F15	CVD	Stable	X	X
F25	CVD	Stable/Normal	X	X
M25	CVD	Stable/Normal	X	X
M35	CVD	Normal/Interrupted	X	X

	Description
	Coating
CVD	They are characterised by high wear resistance and excellent adhesion to carbide. In general turning they are applied in stainless steels and in the ISO P,M,K ranges.
PVD	They increase wear resistance due to their hardness. Their compressive stresses contribute to increased cutting edge toughness and resistance to comb crack formation.
Work condition	
Stable	Type of cut in which the insert has a homogeneous working condition.
Normal	Type of cut in which the insert may have an interrupted/repeated cutting condition.
Interrupted	Type of cut in which the insert will have several interruptions/restarts during processing.

IDENTIFICATION OF THREADING INSERTS

16	E	R	175	ISO
A1	A2	A3	A4	A5

A3 - Cutting direction	
R	Right
L	Left

A5 - Thread profile	
ISO	60° Metric Thread
W	Thread Whitworth 55°
AG60	60° Profile (Free Thread) 0,5 - 3mm
AG55	55° Profile (Free Thread) 28 - 11 TPI

A1 - Cutting edge length	
l	d
11	6,35
16	9,525
22	12,7

A2 - Threading	
E	I
External	Internal

A4 - Thread pitch	
mm	Threads/Inch
$\frac{A4}{100}$ (0,5 - 3mm)	(28 - 11 TPI)

GUIDE TO CHOOSING THE INSERT

Type of insert	Materials			Field of use			Type of processing	
	P	M	K	Finish	Medium	Roughing	Turning	Milling
CCMTx	●	○	○	✓			✓	
CCMTxA	●	○	○	✓			✓	
CNMGx	●	○	○	✓	✓		✓	
CNMGxF15	●	○	○	✓			✓	
CNMGxF25	○	○	○	✓			✓	
CNMGxM25	●	○	○		✓		✓	
CNMGxM35	○	○	○		✓		✓	
DCMTx	●	○	○	✓			✓	
DCMTxA	●	●	○	✓			✓	
DNMGx	●	○	○		✓		✓	
DNMGxM25	●	○	○		✓		✓	
DNMGxM35	○	○	○		✓		✓	
KNUx	●	○	○	✓			✓	
SCMTx	●	●	○	✓			✓	
SCMTxA1	●	○	○	✓			✓	
SCMTxA2	●	●	○	✓	✓		✓	
SCMTxA3	●	●	○	✓	✓		✓	
SNMGxF15	●	○	○	✓			✓	
SNMGxF25	○	○	○	✓			✓	
SNMGxM25	●	○	○		✓		✓	
SNMGxM35	○	○	○		✓		✓	
SPMRx	●	○	○	✓			✓	
TCMTx	●	●	○	✓	✓		✓	
TCMTxA	●	○	○	✓			✓	
WNMGx	●	○	○		✓		✓	
WNMGxM25	●	○	○		✓		✓	
WNMGxM35	○	○	○		✓		✓	



Type of insert	Materials			Field of use			Type of processing	
	P	M	K	Finish	Medium	Roughing	Turning	Milling
TNMGx	●	○	○	✓			✓	
TNMGxF15	●	○	○	✓			✓	
TNMGxF25	●	○	○	✓			✓	
TNMGxM25	●	○	○		✓		✓	
TNMGxM35	○	○	○		✓		✓	
TPMRx	●	○	○	✓			✓	
VBMTx	○	○	○	✓			✓	
VBMTxA	●	●	○	✓	✓		✓	
ADLTx	●	○	○		✓	✓		✓
ADLTxA	●	●	○		✓	✓		✓
ADLTxA1	●	●	○		✓	✓		✓
APKTx	○	●	○		✓			✓
OFEXx	●	○	○	✓	✓			✓
OFEXxA	●	●	○	✓	✓			✓
ONMXxA	●	●	○	✓	✓			✓
RDHTx	●	○	○		✓	✓		✓
RPMTx	●	○	○		✓	✓		✓
SEHTx	●	○	○	✓	✓			✓
SEHTxA	○	●	○	✓	✓			✓
SEKNx	●	○	○		✓	✓		✓
SEHXx	○	○	○		✓	✓		✓
SEHXxA	●	○	○		✓	✓		✓
SNMXx	●	●	○	✓	✓			✓
SPKNx	●	○	○		✓	✓		✓
TPKNx	●	○	○		✓	✓		✓
GCMX	●	○	○				✓	
GCMXA	○	●	○				✓	

Key

- Recommended Application
- Possible Application
- ✓ Recommended field of application

CCMTX

TURNING INSERTS

Positive



Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
CCMT060204N	€ 7,20	6 mm	6.35 mm	6.30 mm	2.38 mm	0.40 mm	2.80 mm	7°	10
CCMT09T304N	€ 8,30	9 mm	9.52 mm	9.70 mm	3.97 mm	0.40 mm	4.40 mm	7°	10
CCMT09T308N	€ 8,30	9 mm	9.52 mm	9.70 mm	3.97 mm	0.80 mm	4.40 mm	7°	10
CCMT120408N	€ 11,00	12 mm	12.70 mm	12.90 mm	4.76 mm	0.80 mm	5.50 mm	7°	10

CCMTXA

TURNING INSERTS

Positive

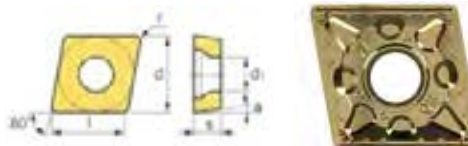
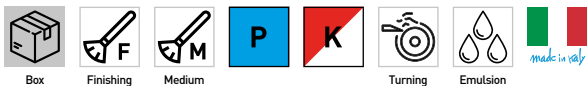


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
CCMT06020420A	€ 7,50	6 mm	6.35 mm	6.30 mm	2.38 mm	0.40 mm	2.80 mm	7°	10
CCMT09T30420A	€ 8,80	9 mm	9.52 mm	9.70 mm	3.97 mm	0.40 mm	4.40 mm	7°	10
CCMT09T30820A	€ 8,80	9 mm	9.52 mm	9.70 mm	3.97 mm	0.80 mm	4.40 mm	7°	10
CCMT12040820A	€ 11,50	12 mm	12.70 mm	12.90 mm	4.76 mm	0.80 mm	5.50 mm	7°	10

CNMGX

TURNING INSERTS

Negative

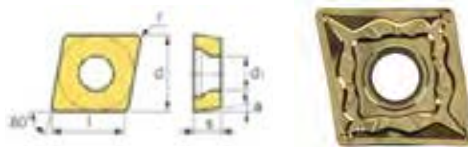


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
CNMG120404N	€ 9,20	12 mm	12.70 mm	12.90 mm	4.76 mm	0.40 mm	5.16 mm	-	10
CNMG120408N	€ 9,20	12 mm	12.70 mm	12.90 mm	4.76 mm	0.80 mm	5.16 mm	-	10

CNMGXF15

TURNING INSERTS

Negative

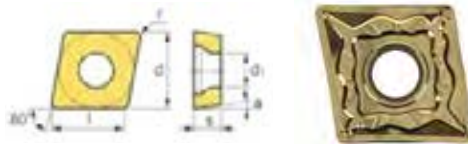


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
CNMG120404F15	€ 9,70	12 mm	12.70 mm	12.90 mm	4.76 mm	0.40 mm	5.16 mm	-	10

CNMGXF25

TURNING INSERTS

Negative



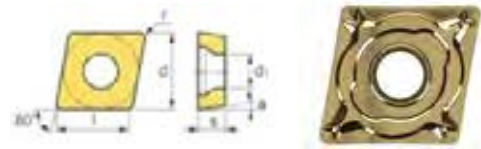
Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
CNMG120404F25	€ 9,70	12 mm	12.70 mm	12.90 mm	4.76 mm	0.40 mm	5.16 mm	-	10



CNMGXM25

TURNING INSERTS

Negative

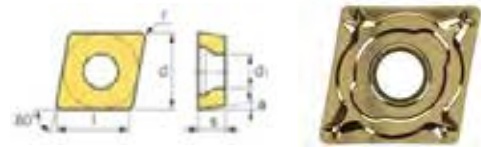


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
CNMG120408M25	€ 9,70	12 mm	12.70 mm	12.90 mm	4.76 mm	0.80 mm	5.16 mm	-	10

CNMGXM35

TURNING INSERTS

Negative

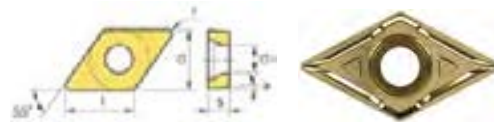


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
CNMG120408M35	€ 9,70	12 mm	12.70 mm	12.90 mm	4.76 mm	0.80 mm	5.16 mm	-	10

DCMTX

TURNING INSERTS

Positive

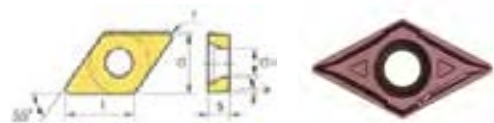


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
DCMT070204N	€ 7,20	7 mm	6.35 mm	7.70 mm	2.38 mm	0.40 mm	2.80 mm	7°	10
DCMT11T304N	€ 9,50	11 mm	9.52 mm	11.60 mm	3.97 mm	0.40 mm	2.20 mm	7°	10

DCMTXA

TURNING INSERTS

Positive

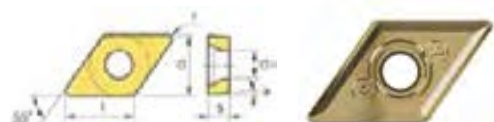


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
DCMT07020420A	€ 7,50	7 mm	6.35 mm	7.70 mm	2.38 mm	0.40 mm	2.80 mm	7°	10
DCMT11T30420A	€ 9,90	11 mm	9.52 mm	11.60 mm	3.97 mm	0.40 mm	2.20 mm	7°	10

DNMGX

TURNING INSERTS

Negative

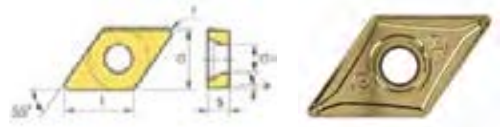


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
DNMG150608N	€ 13,80	15 mm	12.70 mm	15.50 mm	6.35 mm	0.80 mm	5.20 mm	-	10

DNMGXM25

TURNING INSERTS

Negative

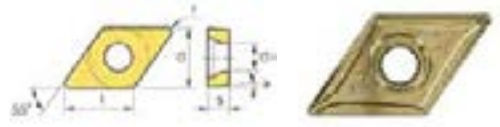


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
DNMG150608M25	€ 14,70	15 mm	12.70 mm	15.50 mm	6.35 mm	0.80 mm	5.20 mm	-	10

DNMGXM35

TURNING INSERTS

Negative



Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
DNMG150608M35	€ 14,70	15 mm	12.70 mm	15.50 mm	6.35 mm	0.80 mm	5.20 mm	-	10

KNUX

TURNING INSERTS

Positive



Art.	€	Dimensions	d	l	S	r	a°	Pack
KNUX160405RN	€ 11,80	16 mm	9.52 mm	19.72 mm	4.76 mm	0.50 mm	-	10
KNUX160410RN	€ 11,80	16 mm	9.52 mm	19.72 mm	4.76 mm	1.00 mm	-	10
KNUX160405LN	€ 11,80	16 mm	9.52 mm	19.72 mm	4.76 mm	0.50 mm	-	10
KNUX160410LN	€ 11,80	16 mm	9.52 mm	19.72 mm	4.76 mm	1.00 mm	-	10

SCMTX

TURNING INSERTS

Positive

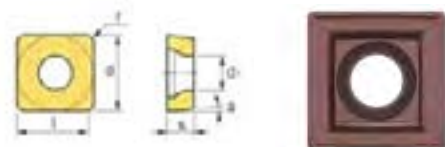


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
SCMT09T304N	€ 8,40	9 mm	9.52 mm	9.52 mm	3.97 mm	0.40 mm	4.40 mm	7°	10
SCMT09T308N	€ 8,40	9 mm	9.52 mm	9.52 mm	3.97 mm	0.80 mm	4.40 mm	7°	10
SCMT120408N	€ 11,70	12 mm	12.70 mm	12.70 mm	4.76 mm	0.80 mm	5.50 mm	7°	10

SCMTXA1

TURNING INSERTS

Positive



Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
SCMT09T30420A	€ 8,90	9 mm	9.52 mm	9.52 mm	3.97 mm	0.40 mm	4.40 mm	7°	10



SCMTXA2

TURNING INSERTS

Positive

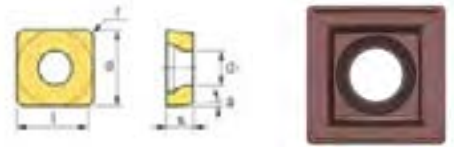


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
SCMT09T30820A	€ 8,90	9 mm	9.52 mm	9.52 mm	3.97 mm	0.80 mm	4.40 mm	7°	10

SCMTXA3

TURNING INSERTS

Positive

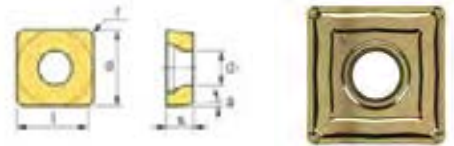


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
SCMT12040820A	€ 12,20	12 mm	12.70 mm	12.70 mm	4.76 mm	0.80 mm	5.50 mm	7°	10

SNMGXF15

TURNING INSERTS

Negative

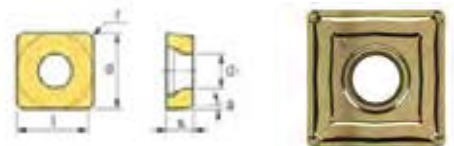


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
SNMG120404F15	€ 10,90	12 mm	12.70 mm	12.70 mm	4.76 mm	0.40 mm	5.16 mm	-	10

SNMGXF25

TURNING INSERTS

Negative

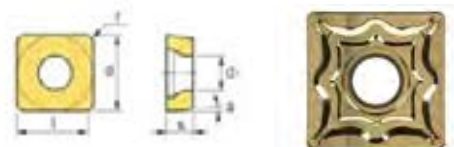


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
SNMG120404F25	€ 10,90	12 mm	12.70 mm	12.70 mm	4.76 mm	0.40 mm	5.16 mm	-	10

SNMGXM25

TURNING INSERTS

Negative

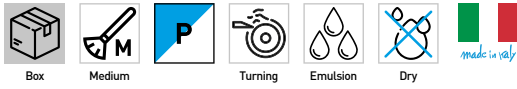
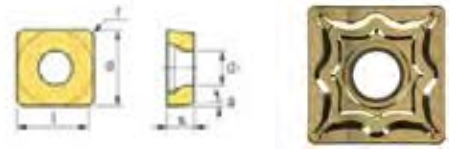


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
SNMG120408M25	€ 10,90	12 mm	12.70 mm	12.70 mm	4.76 mm	0.80 mm	5.16 mm	-	10

SNMGXM35

TURNING INSERTS

Negative



Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
SNMG120408M35	€ 10,90	12 mm	12.70 mm	12.70 mm	4.76 mm	0.80 mm	5.16 mm	-	10

SPMRX

TURNING INSERTS

Positive



Art.	€	Dimensions	d	l	S	r	a°	Pack
SPMR120304N	€ 9,60	12 mm	12.70 mm	12.70 mm	3.18 mm	0.40 mm	11°	10
SPMR120308N	€ 9,60	12 mm	12.70 mm	12.70 mm	3.18 mm	0.80 mm	11°	10

TCMTX

TURNING INSERTS

Positive



Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
TCMT090204N	€ 7,00	9 mm	3.40 mm	9.63 mm	2.38 mm	0.40 mm	2.50 mm	7°	10
TCMT110204N	€ 7,30	11 mm	6.35 mm	11.00 mm	2.38 mm	0.40 mm	2.80 mm	7°	10
TCMT16T304N	€ 9,30	16 mm	9.52 mm	16.50 mm	3.97 mm	0.40 mm	4.40 mm	7°	10
TCMT16T308N	€ 9,30	16 mm	9.52 mm	16.50 mm	3.97 mm	0.80 mm	4.40 mm	7°	10

TCMTXA

TURNING INSERTS

Positive

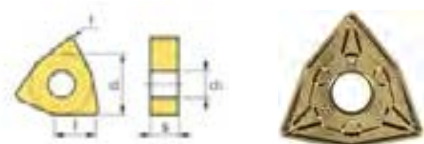


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
TCMT09020420A	€ 7,40	9 mm	3.40 mm	9.63 mm	2.38 mm	0.40 mm	2.50 mm	7°	10
TCMT11020420A	€ 7,70	11 mm	6.35 mm	11.00 mm	2.38 mm	0.40 mm	2.80 mm	7°	10
TCMT16T30420A	€ 9,80	16 mm	9.52 mm	16.50 mm	3.97 mm	0.40 mm	4.40 mm	7°	10
TCMT16T30820A	€ 9,80	16 mm	9.52 mm	16.50 mm	3.97 mm	0.80 mm	4.40 mm	7°	10

WNMGX

TURNING INSERTS

Negative



Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
WNMG080408N	€ 11,70	8 mm	12.70 mm	8.70 mm	4.76 mm	0.80 mm	5.10 mm	-	10



WNMGXM25

TURNING INSERTS

Negative

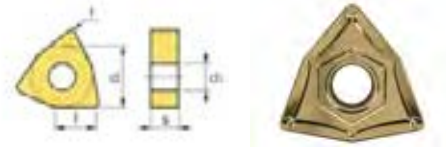


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
WNMG080408M25	€ 12,20	8 mm	12.70 mm	8.70 mm	4.76 mm	0.80 mm	5.10 mm	-	10

WNMGXM35

TURNING INSERTS

Negative



Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
WNMG080408M35	€ 12,20	8 mm	12.70 mm	8.70 mm	4.76 mm	0.80 mm	5.10 mm	-	10

TNMGX

TURNING INSERTS

Negative

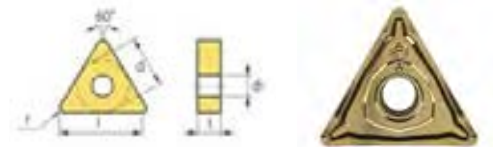


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
TNMG160404N	€ 9,90	16 mm	9.52 mm	16.50 mm	4.76 mm	0.40 mm	3.81 mm	-	10
TNMG160408N	€ 9,90	16 mm	9.52 mm	16.50 mm	4.76 mm	0.80 mm	3.81 mm	-	10
TNMG220408N	€ 11,00	22 mm	12.70 mm	18.25 mm	4.76 mm	0.80 mm	5.16 mm	-	10

TNMGXF15

TURNING INSERTS

Negative

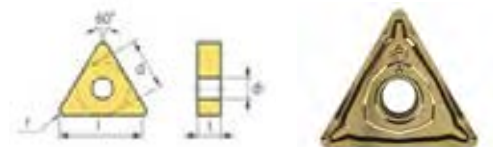


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
TNMG160404F15	€ 10,50	16 mm	9.52 mm	16.50 mm	4.76 mm	0.40 mm	3.81 mm	-	10

TNMGXF25

TURNING INSERTS

Negative

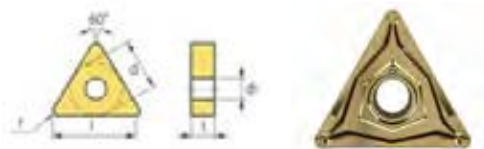


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
TNMG160404F25	€ 10,50	16 mm	9.52 mm	16.50 mm	4.76 mm	0.40 mm	3.81 mm	-	10

TNMGXM25

TURNING INSERTS

Negative

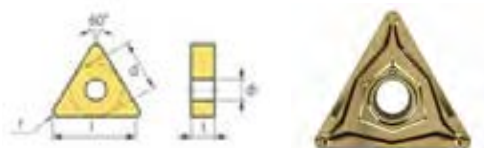
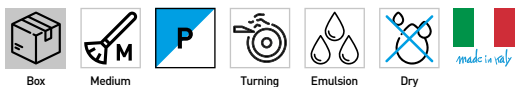


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
TNMG160408M25	€ 10,50	16 mm	9.52 mm	16.50 mm	4.76 mm	0.80 mm	3.81 mm	-	10

TNMGXM35

TURNING INSERTS

Negative



Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
TNMG160408M35	€ 10,50	16 mm	9.52 mm	16.50 mm	4.76 mm	0.80 mm	3.81 mm	-	10

TPMRX

TURNING INSERTS

Positive

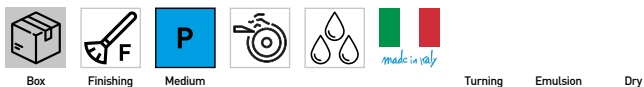


Art.	€	Dimensions	d	l	S	r	a°	Pack
TPMR110304N	€ 6,30	11 mm	5.98 mm	10.37 mm	3.18 mm	0.40 mm	11°	10
TPMR110308N	€ 6,30	11 mm	5.98 mm	10.37 mm	3.18 mm	0.80 mm	11°	10
TPMR160304N	€ 8,40	16 mm	9.23 mm	16 mm	3.18 mm	0.40 mm	11°	10
TPMR160308N	€ 8,40	16 mm	9.23 mm	16 mm	3.18 mm	0.80 mm	11°	10

VBMTX

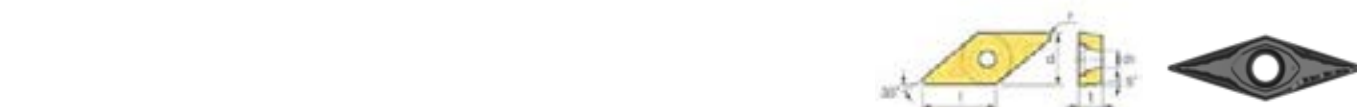
TURNING INSERTS

Positive



Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
VBMT160404N	€ 13,40	16 mm	9.52 mm	16.60 mm	4.76 mm	0.40 mm	4.40 mm	5°	10

VBMTXA



Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
VBMT16040420A	€ 14,20	16 mm	9.52 mm	16.60 mm	4.76 mm	0.40 mm	4.40 mm	5°	10



ADLTXA

MILLING INSERTS

90°



Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
ADLT150308R20A	€ 10,30	15 mm	9.52 mm	14.5 mm	3.18 mm	0.80 mm	4.50 mm	15°	10

ADLTX

MILLING INSERTS

90°



Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
ADLT1503ZZR234	€ 9,00	15 mm	9.52 mm	14.50 mm	3.18 mm	0.80 mm	4.50 mm	15°	10

ADLTXA1

MILLING INSERTS

90°



Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
ADLT1503ZZR20A	€ 9,60	15 mm	9.52 mm	14.50 mm	3.18 mm	0.80 mm	4.50 mm	15°	10

APKTX

MILLING INSERTS

90°



Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
APKT1003PDER20A	€ 11,80	10 mm	6.70 mm	10.00 mm	3.18 mm	0.50 mm	3.20 mm	11°	10
APKT1604PDER20A	€ 13,40	16 mm	9.50 mm	16.30 mm	4.76 mm	0.90 mm	4.40 mm	11°	10

OFEXX

MILLING INSERTS

45°

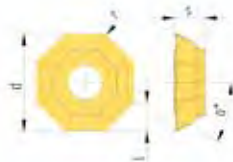


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
OFEX05T305234	€ 12,30	5 mm	12.80 mm	3.70 mm	3.97 mm	0.50 mm	4.56 mm	25°	10

OFEXXA

MILLING INSERTS

45°

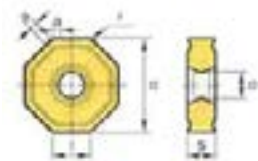


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
OFEX05T30520A	€ 13,00	5 mm	12.80 mm	3.70 mm	3.97 mm	0.50 mm	4.56 mm	25°	10

ONMXXA

MILLING INSERTS

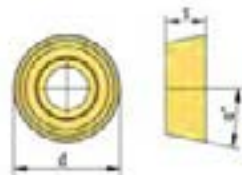
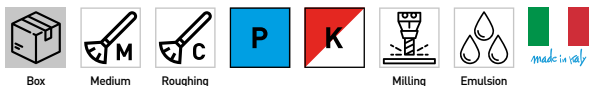
45°



Art.	€	Dimensions	d	l	S	d1	a°	Pack
ONMX120520A	€ 15,90	12 mm	12.70 mm	1.50 mm	5.56 mm	6.00 mm	-	10

RDHTX

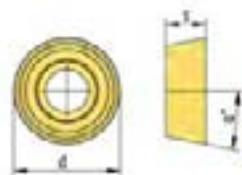
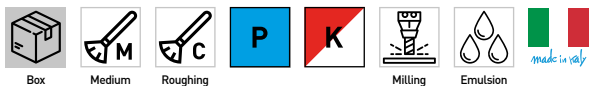
MILLING INSERTS



Art.	€	Dimensions	d	S	a°	Pack
RDHT10T3M0-N	€ 11,00	10 mm	10 mm	3.97 mm	15°	10

RPMTX

MILLING INSERTS



Art.	€	Dimensions	d	S	a°	Pack
RPMT1204N	€ 10,40	12 mm	12 mm	4.76 mm	11°	10

SEHTX

MILLING INSERTS

45°

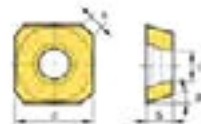


Art.	€	Dimensions	d	a	S	d1	a°	Pack
SEHT1204AFN234	€ 16,20	12 mm	12.70 mm	1.80 mm	4.76 mm	5.50 mm	20°	10

SEHTXA

MILLING INSERTS

45°



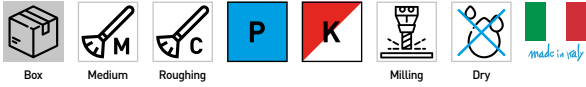
Art.	€	Dimensions	d	a	S	d1	a°	Pack
SEHT1204AFN20A	€ 17,10	12 mm	12.70 mm	1.80 mm	4.76 mm	5.50 mm	20°	10



SEKNX

MILLING INSERTS

45°

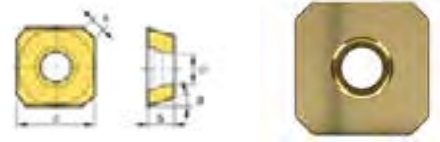


Art.	€	Dimensions	d	a	S	a°	Pack
SEKN1203AFN25	€ 9,30	12 mm	12.70 mm	1.80 mm	3.18 mm	20°	10

SEHXX

MILLING INSERTS

45°

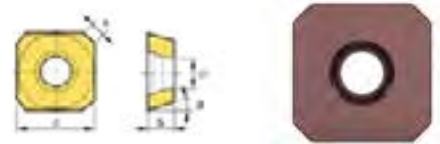


Art.	€	Dimensions	d	a	S	d1	a°	Pack
SEHX1204234	€ 12,10	12 mm	12.70 mm	1.80 mm	4.76 mm	5.50 mm	20°	10

SEHXXA

MILLING INSERTS

45°



Art.	€	Dimensions	d	a	S	d1	a°	Pack
SEHX120420A	€ 12,80	12 mm	12.70 mm	1.80 mm	4.76 mm	5.50 mm	20°	10

SNMXX

MILLING INSERTS

45°



Art.	€	Dimensions	d	a	S	d1	a°	Pack
SNMX120520A	€ 12,50	12 mm	12.70 mm	1.80 mm	5.56 mm	6.00 mm	-	10

SPKNX

MILLING INSERTS

45°



Art.	€	Dimensions	l	a	S	a°	Pack
SPKN1203R25	€ 10,70	12 mm	12.7 mm	1.40 mm	3.18 mm	11°	10

TPKNX

MILLING INSERTS

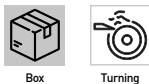
45°



Art.	€	Dimensions	d	l	a	S	a°	Pack
TPKN1603R25	€ 8,40	16 mm	9.52 mm	16.50 mm	1.47 mm	3.18 mm	11°	10
TPKN2204R25	€ 12,10	22 mm	12.70 mm	22.00 mm	1.47 mm	4.76 mm	11°	10

16IRX

INTERNAL THREAD INSERTS



Art.	€	Thread	Pack
11IRA55134	€ 11,00	Whitworth 28 - 11 TPI	10
11IRA60134	€ 11,00	Metric 0.2 - 3 mm	10
16IR100ISO134	€ 12,30	P. Metric 1 mm	10
16IR125ISO134	€ 12,30	P. Metric 1.25 mm	10
16IR150ISO134	€ 12,30	P. Metric 1.50 mm	10
16IR175ISO134	€ 12,30	P. Metric 1.75 mm	10
16IR200ISO134	€ 12,30	P. Metric 2.00 mm	10
16IR250ISO134	€ 12,30	P. Metric 2.50 mm	10
16IR300ISO134	€ 12,30	P. Metric 3.00 mm	10
16IRAG60134	€ 12,30	Metric 0.2 - 3 mm	10
16IR14W134	€ 12,30	Whitworth 14 TPI	10
16IR11W134	€ 12,30	Whitworth 11 TPI	10
16IRAG55134	€ 12,30	Whitworth 28 - 11 TPI	10

16ERX

EXTERNAL THREAD INSERTS



Art.	€	Thread	Pack
16ER100ISO134	€ 12,30	P. Metric 1 mm	10
16ER125ISO134	€ 12,30	P. Metric 1.25 mm	10
16ER150ISO134	€ 12,30	P. Metric 1.50 mm	10
16ER175ISO134	€ 12,30	P. Metric 1.75 mm	10
16ER200ISO134	€ 12,30	P. Metric 2.00 mm	10
16ER250ISO134	€ 12,30	P. Metric 2.50 mm	10
16ER300ISO134	€ 12,30	P. Metric 3.00 mm	10
16ERAG60134	€ 12,30	Metric 0.2 - 3 mm	10
16ER14W134	€ 12,30	Whitworth 14 TPI	10
16ER11W134	€ 12,30	Whitworth 11 TPI	10
16ERAG55134	€ 12,30	Whitworth 28 - 11 TPI	10

GCMX

CUTTING INSERTS



Art.	€	Thickness	r	Pack
GCMX2N134	€ 8,80	2.20 mm	0.20 mm	10
GCMX3N134	€ 8,80	3.10 mm	0.20 mm	10
GCMX4N134	€ 9,90	4.10 mm	0.20 mm	10
GCMX5N134	€ 10,40	5.10 mm	0.3 mm	10

GCMXA

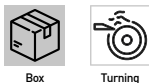
CUTTING INSERTS



Art.	€	Thickness	r	Pack
GCMX2N20A	€ 9,20	2.20 mm	0.20 mm	10
GCMX3N20A	€ 9,20	3.10 mm	0.20 mm	10
GCMX4N20A	€ 10,50	4.10 mm	0.20 mm	10
GCMX5N20A	€ 11,00	5.10 mm	0.30 mm	10

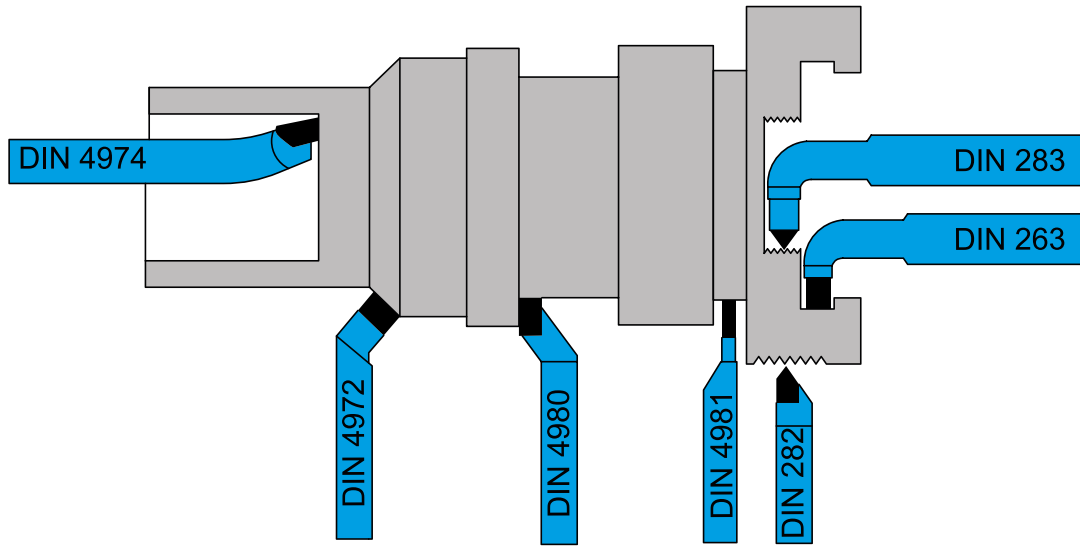
165X

GROOVE INSERTS



Art.	€	S	Pack
165110134	€ 12,30	1.10 mm	10
165130134	€ 12,30	1.30 mm	10
165160134	€ 12,30	1.60 mm	10
165185134	€ 12,30	1.85 mm	10

Art.	€	S	Pack
165215134	€ 12,30	2.15 mm	10
165265134	€ 12,30	2.65 mm	10
165315134	€ 12,30	3.15 mm	10



B005-

CARBIDE TIPPED LATH E TOOL SET

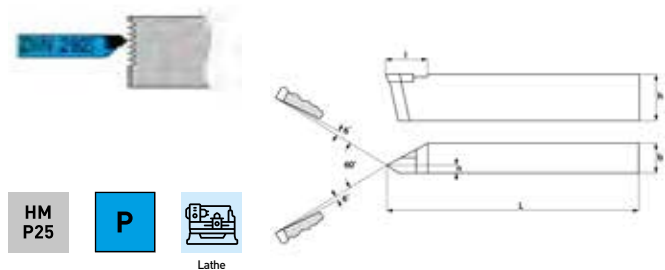


Art.	€	Kit
B005	€ 25,40	1BRAS411108RP - 1BRAS411110RP - 1BRAS410312RP - 1BRAS410412RP - 1BRAS410912RP
B005/16	€ 38,10	1BRAS411110RP - 1BRAS411112RP - 1BRAS410316RP - 1BRAS410416RP - 1BRAS410916RP
B005/20	€ 47,70	1BRAS411112RP - 1BRAS411116RP - 1BRAS410320RP - 1BRAS410420RP - 1BRAS410920RP

BRFEX

CARBIDE TIPPED TOOL FOR EXTERNAL THREAD

DIN 282, for the execution of all external 60° threads

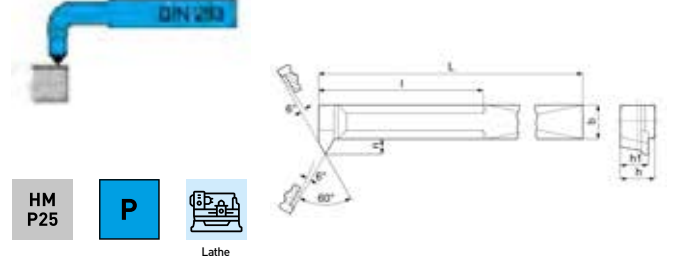


Art.	€	L	b	h
BRFE12RP	€ 9,10	90 mm	12 mm	12 mm
BRFE16RP	€ 10,40	100 mm	16 mm	16 mm
BRFE20RP	€ 12,90	125 mm	20 mm	20 mm
BRFE25RP	€ 15,60	140 mm	25 mm	25 mm

BRFIX

CARBIDE TIPPED TOOL FOR INTERNAL THREAD

DIN 283, for the execution of all internal 60° threads

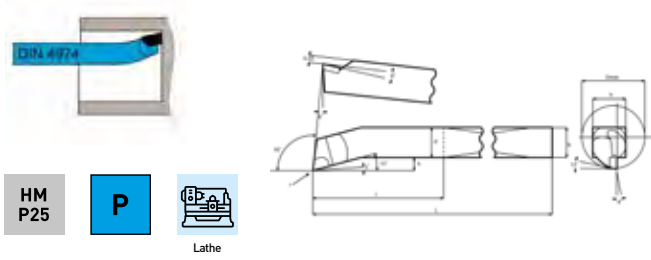


Art.	€	L	b	h
BRFI10RP	€ 9,60	150 mm	10 mm	10 mm
BRFI12RP	€ 10,40	180 mm	12 mm	12 mm
BRFI16RP	€ 12,90	210 mm	16 mm	16 mm
BRFI20RP	€ 13,40	250 mm	20 mm	20 mm
BRFI25RP	€ 16,70	300 mm	25 mm	25 mm

BRAS4111X

CARBIDE TIPPED TOOL FOR BLIND HOLES

ISO 9 - DIN 4974.



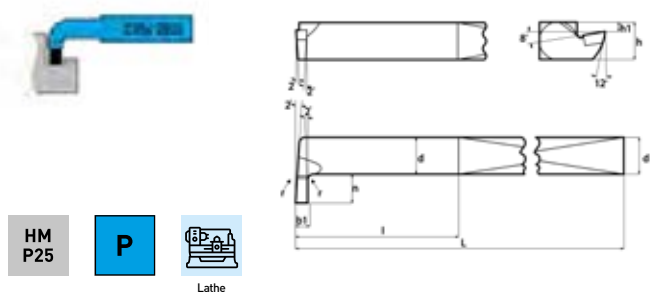
HM P25

Art.	€	L	b	h
BRAS411108RP	€ 6,90	125 mm	8 mm	8 mm
BRAS411110RP	€ 8,40	150 mm	10 mm	10 mm
BRAS411112RP	€ 8,90	180 mm	12 mm	12 mm
BRAS411116RP	€ 10,70	210 mm	16 mm	16 mm
BRAS411120RP	€ 11,50	250 mm	20 mm	20 mm
BRAS411125RP	€ 17,30	300 mm	25 mm	25 mm
BRAS411132RP	€ 20,70	355 mm	32 mm	32 mm

BRCIX

CARBIDE TIPPED TOOL FOR INTERNAL SLOTS

DIN 263.



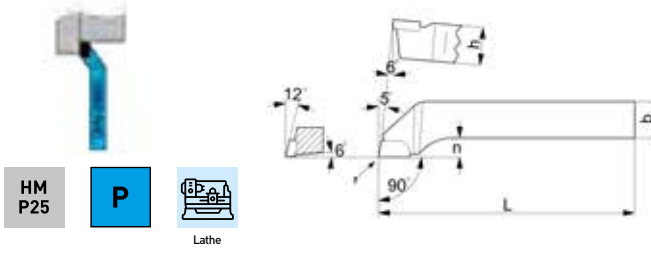
HM P25

Art.	€	L	b	h	b1
BRCI10RP	€ 9,90	150 mm	10 mm	10 mm	3 mm
BRCI12RP	€ 9,90	180 mm	12 mm	12 mm	4 mm
BRCI16RP	€ 11,30	210 mm	16 mm	16 mm	5 mm
BRCI20RP	€ 12,30	210 mm	20 mm	20 mm	6 mm
BRCI25RP	€ 15,90	300 mm	25 mm	25 mm	8 mm

BRAS4104X

CARBIDE TIPPED TOOL FOR FACING

ISO 6 - DIN 4980.



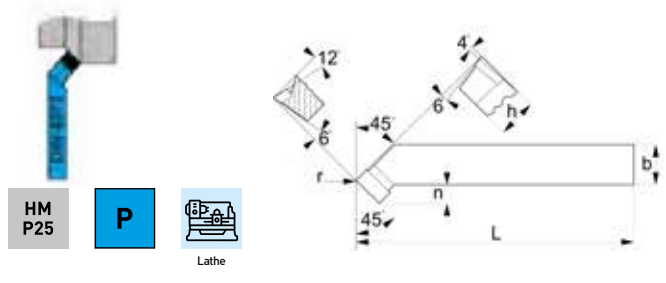
HM P25

Art.	€	L	b	h
BRAS410410LP	€ 6,00	90 mm	10 mm	10 mm
BRAS410410RP	€ 6,00	90 mm	10 mm	10 mm
BRAS410412LP	€ 6,60	100 mm	12 mm	12 mm
BRAS410412RP	€ 6,60	100 mm	12 mm	12 mm
BRAS410416LP	€ 7,90	110 mm	16 mm	16 mm
BRAS410416RP	€ 7,90	110 mm	16 mm	16 mm
BRAS410420LP	€ 9,60	125 mm	20 mm	20 mm
BRAS410420RP	€ 9,60	125 mm	20 mm	20 mm
BRAS410425RP	€ 14,00	140 mm	25 mm	25 mm

BRAS4103X

CARBIDE TIPPED TOOL FOR OUTSIDE ROUGHING

ISO 2 - DIN 4972.



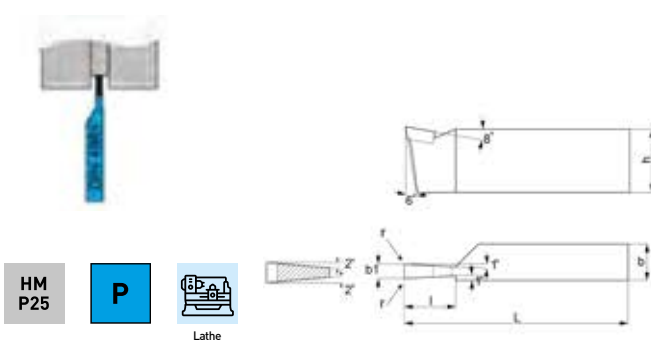
HM P25

Art.	€	L	b	h
BRAS410310RP	€ 6,30	90 mm	10 mm	10 mm
BRAS410312LP	€ 6,90	100 mm	12 mm	12 mm
BRAS410312RP	€ 6,90	100 mm	12 mm	12 mm
BRAS410316LP	€ 8,30	110 mm	16 mm	16 mm
BRAS410316RP	€ 8,30	110 mm	16 mm	16 mm
BRAS410320LP	€ 10,20	125 mm	20 mm	20 mm
BRAS410320RP	€ 10,20	125 mm	20 mm	20 mm
BRAS410325RP	€ 14,70	140 mm	25 mm	25 mm

BRAS4109X

CARBIDE TIPPED TOOL FOR CUTTING OFF

ISO 7 - DIN 4981



HM P25

Art.	€	L	b	h	b1
BRAS410912RP	€ 6,30	100 mm	8 mm	12 mm	3 mm
BRAS410916RP	€ 6,90	110 mm	10 mm	16 mm	3,5 mm
BRAS410920RP	€ 7,70	125 mm	12 mm	20 mm	5 mm
BRAS410925RP	€ 10,90	140 mm	16 mm	25 mm	6 mm

B012-

HARDENED AND GROUNDED TOOL BITS



HSS CO 8%

Art.	€	ø	Length	Tolerance
B012/04	€ 8,90	4 mm	200 mm	h9
B012/05	€ 9,90	5 mm	200 mm	h9
B012/06	€ 11,30	6 mm	200 mm	h9
B012/08	€ 14,70	8 mm	200 mm	h9
B012/10	€ 18,20	10 mm	200 mm	h9
B012/12	€ 23,10	12 mm	200 mm	h9
B012/13	€ 28,40	13 mm	135 mm	h9
B012/16	€ 43,50	16 mm	200 mm	h9
B012/20	€ 56,20	20 mm	200 mm	h9



B013-

HARDENED AND GROUNDED TOOL BITS



HSS
CO 8%



Lathe

Art.	€	Sides dimension	Length	Tolerance
B013/04X04	€ 10,30	4 x 4 mm	200 mm	h13
B013/05X05	€ 13,00	5 x 5 mm	200 mm	h13
B013/06X06	€ 14,30	6 x 6 mm	200 mm	h13
B013/08X08	€ 17,30	8 x 8 mm	200 mm	h13
B013/10X10	€ 24,20	10 x 10 mm	200 mm	h13
B013/12X12	€ 28,50	12 x 12 mm	200 mm	h13
B013/14X14	€ 39,90	14 x 14 mm	200 mm	h13
B013/16X16	€ 45,80	16 x 16 mm	200 mm	h13
B013/20X20	€ 67,70	20 x 20 mm	200 mm	h13

B014-

HARDENED AND GROUNDED TOOL BITS



HSS
CO 8%









Lathe

Art.	€	Sides dimension	Length	Tolerance
B014/20X04	€ 24,60	20 x 04 mm	200 mm	h13
B014/20X05	€ 26,40	20 x 05 mm	200 mm	h13
B014/20X06	€ 39,60	20 x 06 mm	200 mm	h13
B014/20X08	€ 50,20	20 x 08 mm	200 mm	h13
B014/20X10	€ 53,30	20 x 10 mm	200 mm	h13
B014/20X12	€ 53,30	20 x 12 mm	200 mm	h13
B014/25X06	€ 38,50	25 x 06 mm	200 mm	h13



TYPES OF MATERIAL USED IN THE CONSTRUCTION OF HELICAL TIPS

	Type	Description	Duration	Processable metals
HSS	 ST1Ax	HSS, High Speed Steel, is the most common of all metal tool steels. A tool made of HSS has high hardness and good strength.	**	Alloy and non-alloy steels, non-ferrous metals, grey and malleable cast iron, sintered iron
	 P023-			
	 ST2Ax			
HSS-TiN	 P058-	The titanium coating, carried out to a HSS tool forms a harder and stronger alloy. This leads to a drill capable of machining the same materials as HSS but with much reduced cutting edge wear.	****	Alloy and non-alloy steels, non-ferrous metals, malleable cast iron, sintered iron
HSS-Co5%	 P065-	Cobalt, added to a steel tool such as HSS - in this case 5% - gives strength and resistance and increases the hardness of the tool itself. Cobalt retains its properties at a higher temperature than titanium, which makes it possible to drill at a higher speed and under more critical conditions.	*****	Hard and treated steels, stainless steels, chrome-nickel, cast iron and bronze
HSS-Co8%	 P064-	Cobalt, added to a steel tool such as HSS - in this case 8% - gives strength and resistance and increases the hardness of the tool itself. Cobalt retains its properties at a higher temperature than titanium, which makes it possible to drill at a higher speed and under more critical conditions.	*****	Hard and treated steels, stainless steels, chrome-nickel, cast iron and bronze

DRILLING PARAMETERS BY MATERIAL TYPE HSS, HSS-CO5% AND HSS-CO8% DRILL TIPS

Materials to be processed	Tip type	Peripheral speed Vt (m/min)	Tip diameter				Coolant
			2	5	8	12	
			Feed (mm/revolution)				
Non-alloy structural steel R<600N/mm ²	HSS	20 - 25	0,05	0,12	0,20	0,25	Emulsion
	HSS-Tin	25 - 30					
Low alloy construction steel R< 700÷900N/mm ²	HSS	10 - 12	0,03	0,07	0,10	0,16	Emulsion
	HSS-Tin	15 - 18					
Alloy steel R< 1100÷1300N/mm ²	HSS	6 - 8	0,02	0,05	0,08	0,12	Emulsion
	HSS-Tin	8 - 10					
Stainless steel	Hss-Co5%	6 - 8	0,02	0,05	0,08	0,12	Emulsion
	Hss-Co8%	8 - 10					
Grey Cast Iron 200HB	HSS	15 - 20	0,02	0,12	0,20	0,25	No refriger.
	HSS-Tin	20 - 25					
Grey Cast Iron 350HB	HSS	5 - 10	0,03	0,07	0,10	0,16	No refriger.
	HSS-Tin	20 - 25					
Bronze	HSS	20 - 30	0,05	0,08	0,14	0,20	Emulsion or Oil
Brass	HSS	40 - 70	0,06	0,16	0,22	0,32	
Aluminium	HSS	40 - 80	0,05	0,14	0,18	0,22	Emulsion
Aluminium alloys	HSS	30 - 60	0,05	0,14	0,18	0,22	



THEORETICAL NUMBER OF RPM FOR THE USE OF HELICAL TIPS ACCORDING TO THE CHOSEN V_t

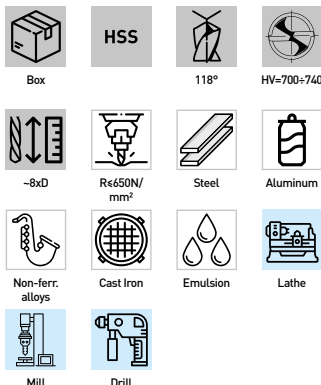
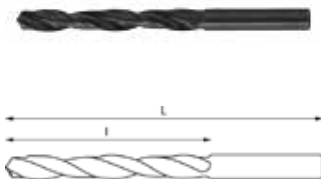
Ø	Cutting speed V_c (mt/min)																	
	3	4	5	6	8	10	12	15	18	20	25	30	35	40	50	60	70	80
(mm)	Number of revolutions per minute (rpm)																	
2	478	637	796	955	1274	1592	1911	2389	2866	3185	3981	4777	5573	6369	7962	9554	11146	12739
3	318	425	531	637	849	1062	1274	1592	1911	2123	2654	3185	3715	4246	5308	6369	7431	8493
4	239	318	398	478	637	796	955	1194	1433	1592	1990	2389	2787	3185	3981	4777	5573	6369
5	191	255	318	382	510	637	764	955	1146	1274	1592	1911	2229	2548	3185	3822	4459	5096
6	159	212	265	318	425	531	637	796	955	1062	1327	1592	1858	2123	2654	3185	3715	4246
8	119	159	199	239	318	398	478	597	717	796	995	1194	1393	1592	1990	2389	2787	3185
10	96	127	159	191	255	318	382	478	573	637	796	955	1115	1274	1592	1911	2229	2548
12	80	106	133	159	212	265	318	398	478	531	663	796	929	1062	1327	1592	1858	2123



ST1AX

STRAIGHT SHANK TWIST DRILL

DIN 338/N, right hand, black finish



Art.	€	ø	L	l	Pack
ST1A01	€ 0,43	1,00 mm	34 mm	12 mm	10
ST1A01.25	€ 0,43	1,25 mm	38 mm	16 mm	10
ST1A01.50	€ 0,43	1,50 mm	40 mm	18 mm	10
ST1A01.75	€ 0,43	1,75 mm	46 mm	22 mm	10
ST1A02	€ 0,43	2,00 mm	49 mm	24 mm	10
ST1A02.25	€ 0,43	2,25 mm	53 mm	27 mm	10
ST1A02.50	€ 0,43	2,50 mm	57 mm	30 mm	10
ST1A02.75	€ 0,43	2,75 mm	61 mm	33 mm	10
ST1A03	€ 0,43	3,00 mm	61 mm	33 mm	10
ST1A03.25	€ 0,48	3,25 mm	65 mm	36 mm	10
ST1A03.50	€ 0,48	3,50 mm	70 mm	39 mm	10
ST1A03.75	€ 0,48	3,75 mm	70 mm	39 mm	10
ST1A04	€ 0,48	4,00 mm	75 mm	43 mm	10
ST1A04.25	€ 0,56	4,25 mm	75 mm	43 mm	10
ST1A04.50	€ 0,56	4,50 mm	80 mm	47 mm	10
ST1A04.75	€ 0,56	4,75 mm	80 mm	47 mm	10
ST1A05	€ 0,63	5,00 mm	86 mm	52 mm	10
ST1A05.25	€ 0,63	5,25 mm	86 mm	52 mm	10
ST1A05.50	€ 0,63	5,50 mm	93 mm	57 mm	10
ST1A05.75	€ 0,72	5,75 mm	93 mm	57 mm	10
ST1A06	€ 0,72	6,00 mm	93 mm	57 mm	10
ST1A06.25	€ 0,82	6,25 mm	101 mm	63 mm	10
ST1A06.50	€ 0,82	6,50 mm	101 mm	63 mm	10
ST1A06.75	€ 1,09	6,75 mm	109 mm	69 mm	10
ST1A07	€ 1,09	7,00 mm	109 mm	69 mm	10
ST1A07.25	€ 1,09	7,25 mm	109 mm	69 mm	10
ST1A07.50	€ 1,19	7,50 mm	109 mm	69 mm	10
ST1A07.75	€ 1,27	7,75 mm	117 mm	75 mm	10
ST1A08	€ 1,27	8,00 mm	117 mm	75 mm	10
ST1A08.25	€ 1,46	8,25 mm	117 mm	75 mm	5
ST1A08.50	€ 1,46	8,50 mm	117 mm	75 mm	5
ST1A08.75	€ 1,62	8,75 mm	125 mm	81 mm	5
ST1A09	€ 1,62	9,00 mm	125 mm	81 mm	5
ST1A09.25	€ 1,80	9,25 mm	125 mm	81 mm	5
ST1A09.50	€ 1,80	9,50 mm	125 mm	81 mm	5
ST1A09.75	€ 1,90	9,75 mm	133 mm	87 mm	5
ST1A10	€ 1,99	10,00 mm	133 mm	87 mm	5
ST1A10.25	€ 2,36	10,25 mm	133 mm	87 mm	5
ST1A10.50	€ 2,36	10,50 mm	133 mm	87 mm	5
ST1A10.75	€ 2,70	10,75 mm	142 mm	94 mm	5
ST1A11	€ 2,70	11,00 mm	142 mm	94 mm	5
ST1A11.25	€ 3,07	11,25 mm	142 mm	94 mm	5
ST1A11.50	€ 3,07	11,50 mm	142 mm	94 mm	5
ST1A11.75	€ 3,43	11,75 mm	142 mm	94 mm	5
ST1A12	€ 3,43	12,00 mm	151 mm	101 mm	5
ST1A12.25	€ 3,89	12,25 mm	151 mm	101 mm	5
ST1A12.50	€ 3,89	12,50 mm	151 mm	101 mm	5
ST1A12.75	€ 3,89	12,75 mm	151 mm	101 mm	5
ST1A13	€ 3,89	13,00 mm	151 mm	101 mm	5

P046

€ 31,30

TWIST DRILL SET

DIN 338/N, right hand, black finish.



Size (step 0,5 mm) 1 ÷ 13 mm

P045

€ 15,80

TWIST DRILL SET

DIN 338/N, right hand, black finish.

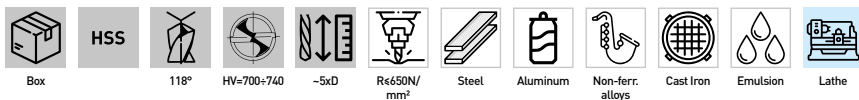


Size (step 0,5 mm) 1÷10 mm

ST1AXC

STRAIGHT SHANK TWIST DRILL

DIN 1897/N, rolled, right hand, short length, black finish



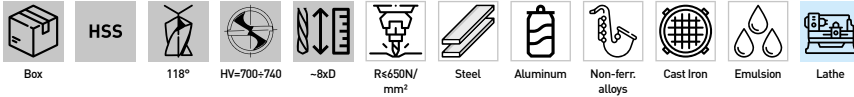
Art.	€	ø	L	l	Pack
ST1A02.00C	€ 0,31	2,00 mm	38 mm	12 mm	10
ST1A02.50C	€ 0,31	2,50 mm	43 mm	14 mm	10
ST1A03.00C	€ 0,31	3,00 mm	46 mm	16 mm	10
ST1A03.25C	€ 0,36	3,25 mm	49 mm	18 mm	10
ST1A03.50C	€ 0,36	3,50 mm	52 mm	20 mm	10
ST1A03.75C	€ 0,40	3,75 mm	52 mm	20 mm	10
ST1A04.00C	€ 0,40	4,00 mm	55 mm	22 mm	10
ST1A04.25C	€ 0,43	4,25 mm	55 mm	22 mm	10
ST1A04.50C	€ 0,43	4,50 mm	58 mm	24 mm	10
ST1A05.00C	€ 0,52	5,00 mm	62 mm	26 mm	10
ST1A05.50C	€ 0,71	5,50 mm	66 mm	28 mm	10
ST1A06.00C	€ 0,71	6,00 mm	66 mm	28 mm	10



ST1AXR10

STRAIGHT SHANK TWIST DRILL

DIN 338/N, 10 mm reduced shank rolled twist drill, right hand, black finish

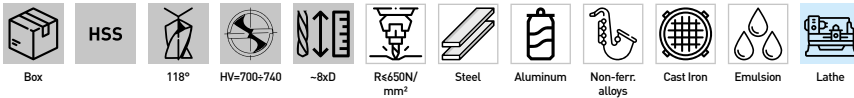


Art.	€	Ø	L	l	Pack
ST1A10.25R10	€ 2,53	10,25 mm	133 mm	87 mm	5
ST1A10.50R10	€ 2,53	10,5 mm	133 mm	87 mm	5
ST1A10.75R10	€ 2,86	10,75 mm	142 mm	94 mm	5
ST1A11.00R10	€ 2,86	11,00 mm	142 mm	94 mm	5
ST1A11.25R10	€ 3,28	11,25 mm	142 mm	94 mm	5
ST1A11.50R10	€ 3,28	11,5 mm	142 mm	94 mm	5
ST1A11.75R10	€ 3,70	11,75 mm	142 mm	94 mm	5
ST1A12.00R10	€ 3,70	12 mm	151 mm	101 mm	5
ST1A12.25R10	€ 4,12	12,25 mm	151 mm	101 mm	5
ST1A12.50R10	€ 4,12	12,50 mm	151 mm	101 mm	5
ST1A12.75R10	€ 4,12	12,75 mm	151 mm	101 mm	5
ST1A13.00R10	€ 4,12	13 mm	151 mm	101 mm	5
ST1A13.25R10	€ 5,20	13,25 mm	160 mm	108 mm	5
ST1A13.50R10	€ 5,20	13,5 mm	160 mm	108 mm	5
ST1A13.75R10	€ 5,20	13,75 mm	160 mm	108 mm	5
ST1A14.00R10	€ 5,20	14,00 mm	160 mm	108 mm	5
ST1A14.25R10	€ 5,70	14,25 mm	169 mm	114 mm	5
ST1A14.50R10	€ 5,70	14,5 mm	169 mm	114 mm	5
ST1A14.75R10	€ 5,70	14,75 mm	169 mm	114 mm	5
ST1A15.00R10	€ 5,70	15 mm	169 mm	114 mm	5
ST1A15.25R10	€ 7,00	15,25 mm	178 mm	120 mm	5
ST1A15.50R10	€ 7,00	15,50 mm	178 mm	120 mm	5
ST1A15.75R10	€ 7,00	15,75 mm	178 mm	120 mm	5
ST1A16.00R10	€ 7,00	16 mm	178 mm	120 mm	5

ST1AXR13

STRAIGHT SHANK TWIST DRILL

DIN 338/N, 13 mm reduced shank rolled twist drill, right hand, black finish



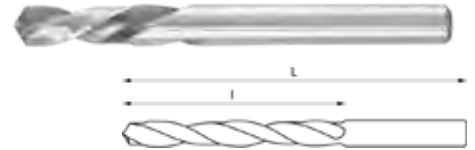
Art.	€	Ø	L	l	Pack
ST1A13.25R13	€ 5,20	13,25 mm	160 mm	108 mm	5
ST1A13.50R13	€ 5,20	13,50 mm	160 mm	108 mm	5
ST1A13.75R13	€ 5,20	13,75 mm	160 mm	108 mm	5
ST1A14.00R13	€ 5,20	14,00 mm	160 mm	108 mm	5
ST1A14.25R13	€ 5,70	14,25 mm	169 mm	114 mm	5
ST1A14.50R13	€ 5,70	14,50 mm	169 mm	114 mm	5
ST1A14.75R13	€ 5,70	14,75 mm	169 mm	114 mm	5
ST1A15.00R13	€ 5,70	15,00 mm	169 mm	114 mm	5
ST1A15.25R13	€ 7,00	15,25 mm	178 mm	120 mm	5
ST1A15.50R13	€ 7,00	15,50 mm	178 mm	120 mm	5
ST1A15.75R13	€ 7,00	15,75 mm	178 mm	120 mm	5
ST1A16.00R13	€ 7,00	16,00 mm	178 mm	120 mm	5



P023-XC

DRILL BIT CYLINDRICAL SHORT SERIES

DIN 1897/N, Right hand, rectified



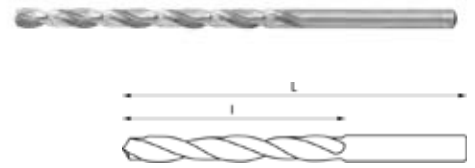
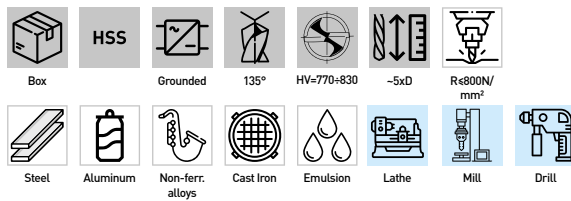
Art.	€	ø	L	l	Pack
P023/03.00C	€ 0,89	3,00 mm	46 mm	16 mm	10
P023/03.25C	€ 0,99	3,25 mm	49 mm	18 mm	10
P023/03.50C	€ 0,99	3,50 mm	52 mm	20 mm	10
P023/03.75C	€ 1,07	3,75 mm	52 mm	20 mm	10
P023/04.00C	€ 1,07	4,00 mm	55 mm	22 mm	10

Art.	€	ø	L	l	Pack
P023/04.25C	€ 1,42	4,25 mm	55 mm	22 mm	10
P023/04.50C	€ 1,25	4,50 mm	58 mm	24 mm	10
P023/05.00C	€ 1,35	5,00 mm	62 mm	26 mm	10
P023/05.50C	€ 1,78	5,50 mm	66 mm	28 mm	10
P023/06.00C	€ 1,88	6,00 mm	66 mm	28 mm	10

P023-XL

LONG TYPE STRAIGHT SHANK TWIST DRILL

DIN 340, Right hand, rectified



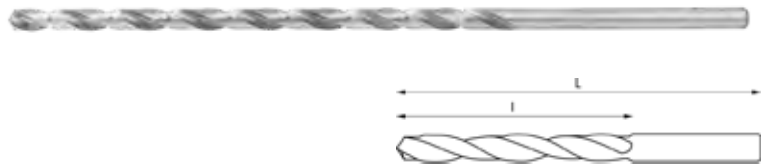
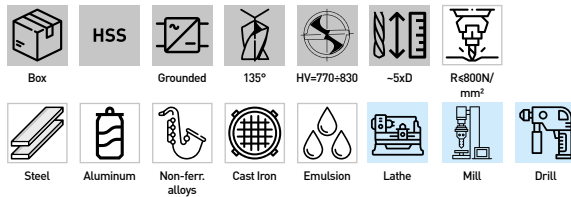
Art.	€	ø	L	l	Pack
P023/01.00L	€ 0,99	1,00 mm	56 mm	33 mm	10
P023/01.25L	€ 0,99	1,25 mm	65 mm	40 mm	10
P023/01.50L	€ 0,99	1,50 mm	70 mm	45 mm	10
P023/01.75L	€ 0,99	1,75 mm	80 mm	53 mm	10
P023/02.00L	€ 0,89	2,00 mm	85 mm	56 mm	10
P023/02.25L	€ 0,99	2,25 mm	90 mm	59 mm	10
P023/02.50L	€ 0,89	2,50 mm	95 mm	62 mm	10
P023/02.75L	€ 1,07	2,75 mm	100 mm	66 mm	10
P023/03.00L	€ 0,99	3,00 mm	100 mm	66 mm	10
P023/03.25L	€ 1,07	3,25 mm	106 mm	69 mm	10
P023/03.50L	€ 1,07	3,50 mm	112 mm	73 mm	10
P023/03.75L	€ 1,25	3,75 mm	112 mm	73 mm	10
P023/04.00L	€ 1,17	4,00 mm	119 mm	78 mm	10
P023/04.25L	€ 1,35	4,25 mm	119 mm	78 mm	10
P023/04.50L	€ 1,35	4,50 mm	126 mm	82 mm	10
P023/04.75L	€ 1,60	4,75 mm	126 mm	82 mm	10
P023/05.00L	€ 1,60	5,00 mm	132 mm	87 mm	10
P023/05.25L	€ 1,96	5,25 mm	132 mm	87 mm	10
P023/05.50L	€ 1,96	5,50 mm	139 mm	91 mm	10
P023/05.75L	€ 2,14	5,75 mm	139 mm	91 mm	10
P023/06.00L	€ 2,14	6,00 mm	139 mm	91 mm	10
P023/06.25L	€ 2,67	6,25 mm	148 mm	97 mm	10

Art.	€	ø	L	l	Pack
P023/06.50L	€ 2,67	6,50 mm	148 mm	97 mm	10
P023/06.75L	€ 2,77	6,75 mm	148 mm	97 mm	10
P023/07.00L	€ 2,77	7,00 mm	156 mm	102 mm	10
P023/07.25L	€ 3,20	7,25 mm	156 mm	102 mm	10
P023/07.50L	€ 3,20	7,50 mm	156 mm	102 mm	10
P023/07.75L	€ 3,84	7,75 mm	165 mm	109 mm	10
P023/08.00L	€ 3,66	8,00 mm	165 mm	109 mm	5
P023/08.25L	€ 5,20	8,25 mm	165 mm	109 mm	5
P023/08.50L	€ 5,20	8,50 mm	165 mm	109 mm	5
P023/08.75L	€ 5,30	8,75 mm	175 mm	115 mm	5
P023/09.00L	€ 5,30	9,00 mm	175 mm	115 mm	5
P023/09.25L	€ 6,10	9,25 mm	175 mm	115 mm	5
P023/09.50L	€ 6,10	9,50 mm	175 mm	115 mm	5
P023/09.75L	€ 6,10	9,75 mm	184 mm	121 mm	5
P023/10.00L	€ 6,10	10,00 mm	184 mm	121 mm	5
P023/10.25L	€ 8,40	10,25 mm	184 mm	121 mm	5
P023/10.50L	€ 8,40	10,50 mm	184 mm	121 mm	5
P023/11.00L	€ 9,90	11,00 mm	195 mm	128 mm	5
P023/11.50L	€ 10,70	11,50 mm	195 mm	128 mm	5
P023/12.00L	€ 12,50	12,00 mm	205 mm	134 mm	5
P023/12.50L	€ 13,80	12,50 mm	205 mm	134 mm	5
P023/13.00L	€ 14,50	13,00 mm	205 mm	134 mm	5

P023-XL1

EXTRA LONG SERIES CYLINDRICAL DRILL BIT

DIN 1869-1 Right hand, rectified

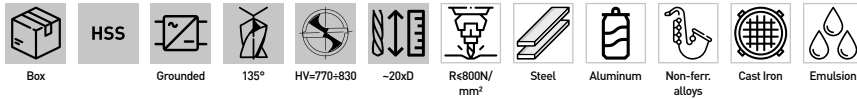


Art.	€	ø	L	l
P023/02.00L1	€ 1,60	02,00 mm	125 mm	85 mm
P023/02.50L1	€ 1,78	02,50 mm	140 mm	95 mm
P023/03.00L1	€ 2,24	03,00 mm	150 mm	100 mm
P023/03.50L1	€ 2,67	03,50 mm	165 mm	115 mm
P023/04.00L1	€ 3,56	04,00 mm	175 mm	120 mm
P023/04.50L1	€ 4,45	04,50 mm	185 mm	125 mm
P023/05.00L1	€ 5,30	05,00 mm	195 mm	135 mm
P023/05.50L1	€ 6,30	05,50 mm	205 mm	140 mm
P023/06.00L1	€ 8,10	06,00 mm	205 mm	140 mm
P023/06.50L1	€ 8,90	06,50 mm	215 mm	150 mm
P023/07.00L1	€ 10,70	07,00 mm	225 mm	155 mm
P023/07.50L1	€ 11,60	07,50 mm	225 mm	155 mm

Art.	€	ø	L	l
P023/08.00L1	€ 14,30	08,00 mm	240 mm	165 mm
P023/08.50L1	€ 16,00	08,50 mm	240 mm	165 mm
P023/09.00L1	€ 17,80	09,00 mm	250 mm	175 mm
P023/09.50L1	€ 19,60	09,50 mm	250 mm	175 mm
P023/10.00L1	€ 22,30	10,00 mm	265 mm	185 mm
P023/10.50L1	€ 24,10	10,50 mm	265 mm	185 mm
P023/11.00L1	€ 26,70	11,00 mm	280 mm	195 mm
P023/11.50L1	€ 29,50	11,50 mm	280 mm	195 mm
P023/12.00L1	€ 31,20	12,00 mm	295 mm	205 mm
P023/12.50L1	€ 33,00	12,50 mm	295 mm	205 mm
P023/13.00L1	€ 34,80	13,00 mm	295 mm	205 mm

P023-XL2
EXTRA LONG SERIES CYLINDRICAL DRILL BIT

DIN 1869-2 Right hand, rectified



Art.	€	Ø	L	l
P023/02.00L2	€ 2,24	02,00 mm	160 mm	110 mm
P023/02.50L2	€ 2,67	02,50 mm	180 mm	120 mm
P023/03.00L2	€ 3,20	03,00 mm	190 mm	130 mm
P023/03.50L2	€ 3,56	03,50 mm	210 mm	145 mm
P023/04.00L2	€ 5,30	04,00 mm	220 mm	150 mm
P023/04.50L2	€ 6,30	04,50 mm	235 mm	160 mm
P023/05.00L2	€ 8,10	05,00 mm	245 mm	170 mm
P023/05.50L2	€ 8,90	05,50 mm	260 mm	180 mm
P023/06.00L2	€ 10,70	06,00 mm	260 mm	180 mm
P023/06.50L2	€ 12,50	06,50 mm	275 mm	190 mm
P023/07.00L2	€ 15,20	07,00 mm	290 mm	200 mm
P023/07.50L2	€ 16,00	07,50 mm	290 mm	200 mm
P023/08.00L2	€ 19,60	08,00 mm	305 mm	210 mm
P023/08.50L2	€ 21,40	08,50 mm	305 mm	210 mm
P023/09.00L2	€ 24,10	09,00 mm	320 mm	220 mm
P023/09.50L2	€ 24,90	09,50 mm	320 mm	220 mm
P023/10.00L2	€ 30,30	10,00 mm	340 mm	235 mm
P023/10.50L2	€ 32,10	10,50 mm	340 mm	235 mm
P023/11.00L2	€ 37,40	11,00 mm	365 mm	250 mm
P023/11.50L2	€ 40,10	11,50 mm	365 mm	250 mm
P023/12.00L2	€ 41,90	12,00 mm	375 mm	260 mm
P023/12.50L2	€ 44,50	12,50 mm	375 mm	260 mm
P023/13.00L2	€ 49,00	13,00 mm	375 mm	260 mm

P023-XL3
EXTRA LONG SERIES CYLINDRICAL DRILL BIT

DIN 1869-3 right hand, rectified



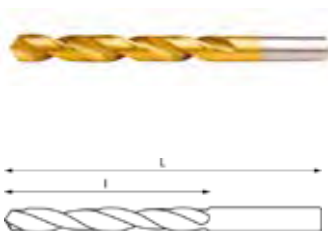
Art.	€	Ø	L	l
P023/02.00L3	€ 2,67	02,00 mm	200 mm	135 mm
P023/02.50L3	€ 3,13	02,50 mm	225 mm	150 mm
P023/03.00L3	€ 3,56	03,00 mm	240 mm	160 mm
P023/03.50L3	€ 5,30	03,50 mm	265 mm	180 mm
P023/04.00L3	€ 6,30	04,00 mm	280 mm	190 mm
P023/04.50L3	€ 8,10	04,50 mm	295 mm	200 mm
P023/05.00L3	€ 9,90	05,00 mm	315 mm	210 mm
P023/05.50L3	€ 11,60	05,50 mm	330 mm	225 mm
P023/06.00L3	€ 13,40	06,00 mm	330 mm	225 mm
P023/06.50L3	€ 16,00	06,50 mm	350 mm	235 mm
P023/07.00L3	€ 19,60	07,00 mm	370 mm	250 mm
P023/07.50L3	€ 21,40	07,50 mm	370 mm	250 mm
P023/08.00L3	€ 24,90	08,00 mm	390 mm	265 mm
P023/08.50L3	€ 27,70	08,50 mm	390 mm	265 mm
P023/09.00L3	€ 32,10	09,00 mm	410 mm	280 mm
P023/09.50L3	€ 33,00	09,50 mm	410 mm	280 mm
P023/10.00L3	€ 38,40	10,00 mm	430 mm	295 mm
P023/10.50L3	€ 41,00	10,50 mm	430 mm	295 mm
P023/11.00L3	€ 44,50	11,00 mm	455 mm	310 mm
P023/11.50L3	€ 47,30	11,50 mm	455 mm	310 mm
P023/12.00L3	€ 53,40	12,00 mm	480 mm	330 mm
P023/12.50L3	€ 57,90	12,50 mm	480 mm	330 mm
P023/13.00L3	€ 61,50	13,00 mm	480 mm	330 mm



P058-

STRAIGHT SHANK TWIST DRILL

DIN 338/N, Right hand, Long durability thanks to the titanium coating



Art.	€	ø	L	l	Pack
P058/01.00	€ 0,72	1 mm	34 mm	12 mm	10
P058/01.25	€ 0,72	1,25 mm	38 mm	16 mm	10
P058/01.50	€ 0,72	1,50 mm	40 mm	18 mm	10
P058/01.75	€ 0,72	1,75 mm	46 mm	22 mm	10
P058/02.00	€ 0,82	2 mm	49 mm	24 mm	10
P058/02.25	€ 0,90	2,25 mm	53 mm	27 mm	10
P058/02.50	€ 0,90	2,50 mm	57 mm	30 mm	10
P058/02.75	€ 0,90	2,75 mm	61 mm	33 mm	10
P058/03.00	€ 0,90	3 mm	61 mm	33 mm	10
P058/03.25	€ 1,09	3,25 mm	65 mm	36 mm	10
P058/03.50	€ 1,09	3,50 mm	70 mm	39 mm	10
P058/03.75	€ 1,09	3,75 mm	70 mm	39 mm	10
P058/04.00	€ 1,09	4 mm	75 mm	43 mm	10
P058/04.25	€ 1,46	4,25 mm	75 mm	43 mm	10
P058/04.50	€ 1,46	4,50 mm	80 mm	47 mm	10
P058/04.75	€ 1,46	4,75 mm	80 mm	47 mm	10
P058/05.00	€ 1,46	5 mm	86 mm	52 mm	10
P058/05.25	€ 1,80	5,25 mm	86 mm	52 mm	10
P058/05.50	€ 1,80	5,50 mm	93 mm	57 mm	10
P058/05.75	€ 1,80	5,75 mm	93 mm	57 mm	10
P058/06.00	€ 1,80	6 mm	93 mm	57 mm	10
P058/06.25	€ 1,99	6,25 mm	101 mm	63 mm	10
P058/06.50	€ 1,99	6,50 mm	101 mm	63 mm	10
P058/06.75	€ 1,99	6,75 mm	109 mm	69 mm	10
P058/07.00	€ 1,99	7 mm	109 mm	69 mm	10
P058/07.25	€ 3,07	7,25 mm	109 mm	69 mm	10
P058/07.50	€ 3,07	7,50 mm	109 mm	69 mm	10
P058/07.75	€ 3,07	7,75 mm	117 mm	75 mm	10
P058/08.00	€ 3,07	8 mm	117 mm	75 mm	10
P058/08.25	€ 4,19	8,25 mm	117 mm	75 mm	5
P058/08.50	€ 4,19	8,50 mm	117 mm	75 mm	5
P058/08.75	€ 4,19	8,75 mm	125 mm	81 mm	5
P058/09.00	€ 4,19	9 mm	125 mm	81 mm	5
P058/09.25	€ 4,83	9,25 mm	125 mm	81 mm	5
P058/09.50	€ 4,83	9,50 mm	125 mm	81 mm	5
P058/09.75	€ 4,83	9,75 mm	133 mm	87 mm	5
P058/10.00	€ 4,83	10 mm	133 mm	87 mm	5
P058/10.25	€ 5,50	10,25 mm	133 mm	87 mm	5
P058/10.50	€ 5,50	10,50 mm	133 mm	87 mm	5
P058/10.75	€ 5,50	10,75 mm	142 mm	94 mm	5
P058/11.00	€ 5,50	11 mm	142 mm	94 mm	5
P058/11.25	€ 6,40	11,25 mm	142 mm	94 mm	5
P058/11.50	€ 6,40	11,50 mm	142 mm	94 mm	5
P058/11.75	€ 6,40	11,75 mm	142 mm	94 mm	5
P058/12.00	€ 6,40	12 mm	151 mm	101 mm	5
P058/12.25	€ 8,00	12,25 mm	151 mm	101 mm	5
P058/12.50	€ 8,00	12,50 mm	151 mm	101 mm	5
P058/12.75	€ 8,00	12,75 mm	151 mm	101 mm	5
P058/13.00	€ 8,00	13 mm	151 mm	101 mm	5

Box
 HSS
 Grounded
 TiN

135°
 HV=740-780
 -8xD
 Re700N/mm²
 Steel
 Aluminum
 Non-ferr. alloys
 Cast Iron
 Emulsion
 Lathe
 Mill
 Drill

P058/170

€ 177,00

TWIST DRILL SET

DIN 338/N, right hand, long durability thanks to the titanium coating.



150 (10x) Pcs (step 0,5 mm) Ø 1 ÷ 8 mm
20 (5x) Pcs (step 0,5 mm) Ø 8,5 ÷ 10 mm

P010/51

€ 61,00

SERIES OF CYLINDRICAL TIPS TO THE TENTH

DIN 338/N, right hand, long durability thanks to the titanium coating.



Size (step 0,1 mm) 1 ÷ 6 mm

P010/41

€ 142,00

SERIES OF CYLINDRICAL TIPS TO THE TENTH

DIN 338/N, right hand, long durability thanks to the titanium coating.



Size (step 0,1 mm) 6 ÷ 10 mm

P062

€ 67,20

TWIST DRILL SET

DIN 338/N, Right hand, Long durability thanks to the titanium coating



Size (step 0,5 mm) 1 ÷ 13 mm

P061

€ 37,60

STRAIGHT SHANK TWIST DRILL SET

DIN 338/N, right hand, long durability thanks to the titanium coating.



Size (step 0,5 mm) 1 ÷ 10 mm

P068

€ 7,50

TWIST DRILL SET

DIN 338/N, Right hand, Long durability thanks to the titanium coating

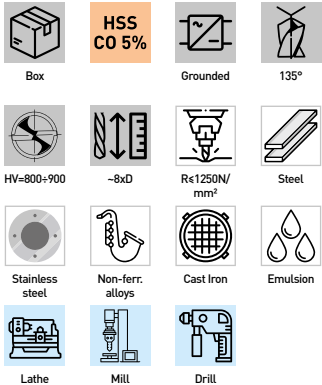
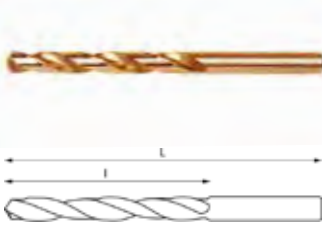


Sizes x 1 Pc 0.25 - 0.30 - 0.35 - 0.40 - 0.45 - 0.55 - 0.65 - 0.70 - 0.75 - 0.85 - 0.90 - 0.95 mm
Sizes x Pcs 0.50 - 0.60 - 0.80 - 1.00 mm

P065-

COBALT CYLINDRICAL TWIST DRILL

DIN 338/N, self-centering, right, with great thermal resistance



Art.	€	Ø	Total length	Flute length	Pack
P065/01.00	€ 1,02	1 mm	34 mm	12 mm	10
P065/01.25	€ 1,23	1,25 mm	38 mm	16 mm	10
P065/01.50	€ 1,23	1,50 mm	40 mm	18 mm	10
P065/01.75	€ 1,23	1,75 mm	46 mm	22 mm	10
P065/02.00	€ 1,23	2 mm	49 mm	24 mm	10
P065/02.25	€ 1,42	2,25 mm	53 mm	27 mm	10
P065/02.50	€ 1,42	2,50 mm	57 mm	30 mm	10
P065/02.75	€ 1,42	2,75 mm	61 mm	33 mm	10
P065/03.00	€ 1,42	3 mm	61 mm	33 mm	10
P065/03.25	€ 1,95	3,25 mm	69 mm	39 mm	10
P065/03.50	€ 1,95	3,50 mm	70 mm	39 mm	10
P065/03.75	€ 1,95	3,75 mm	70 mm	39 mm	10
P065/04.00	€ 1,95	4 mm	75 mm	43 mm	10
P065/04.25	€ 2,75	4,25 mm	75 mm	43 mm	10
P065/04.50	€ 2,75	4,50 mm	80 mm	47 mm	10
P065/04.75	€ 2,75	4,75 mm	80 mm	47 mm	10
P065/05.00	€ 2,75	5 mm	86 mm	52 mm	10
P065/05.25	€ 3,46	5,25 mm	86 mm	52 mm	10
P065/05.50	€ 3,46	5,50 mm	93 mm	57 mm	10
P065/05.75	€ 3,46	5,75 mm	93 mm	57 mm	10
P065/06.00	€ 3,46	6 mm	93 mm	57 mm	10
P065/06.25	€ 4,27	6,25 mm	101 mm	63 mm	10
P065/06.50	€ 4,27	6,50 mm	101 mm	63 mm	10
P065/06.75	€ 4,27	6,75 mm	109 mm	69 mm	10
P065/07.00	€ 4,27	7 mm	109 mm	69 mm	10
P065/07.25	€ 7,40	7,25 mm	109 mm	69 mm	10
P065/07.50	€ 7,40	7,50 mm	109 mm	69 mm	10
P065/07.75	€ 7,40	7,75 mm	117 mm	75 mm	10
P065/08.00	€ 7,40	8 mm	117 mm	75 mm	5
P065/08.25	€ 9,10	8,25 mm	117 mm	75 mm	5
P065/08.50	€ 9,10	8,50 mm	117 mm	75 mm	5
P065/08.75	€ 9,10	8,75 mm	125 mm	81 mm	5
P065/09.00	€ 9,10	9 mm	125 mm	81 mm	5
P065/09.25	€ 11,50	9,25 mm	125 mm	81 mm	5
P065/09.50	€ 11,50	9,50 mm	125 mm	81 mm	5
P065/09.75	€ 11,50	9,75 mm	133 mm	87 mm	5
P065/10.00	€ 11,50	10 mm	133 mm	87 mm	5
P065/10.25	€ 13,80	10,25 mm	133 mm	87 mm	5
P065/10.50	€ 13,80	10,50 mm	133 mm	87 mm	5
P065/10.75	€ 13,80	10,75 mm	142 mm	94 mm	5
P065/11.00	€ 13,80	11 mm	142 mm	94 mm	5
P065/11.25	€ 16,50	11,25 mm	142 mm	94 mm	5
P065/11.50	€ 16,50	11,50 mm	142 mm	94 mm	5
P065/11.75	€ 16,50	11,75 mm	142 mm	94 mm	5
P065/12.00	€ 16,50	12 mm	151 mm	101 mm	5
P065/12.25	€ 20,00	12,25 mm	151 mm	101 mm	5
P065/12.50	€ 20,00	12,50 mm	151 mm	101 mm	5
P065/12.75	€ 20,00	12,75 mm	151 mm	101 mm	5
P065/13.00	€ 20,00	13 mm	151 mm	101 mm	5

P067

€ 67,20

COBALT TWIST DRILL SET

DIN 338/N, self-centering, right, with great thermal resistance



Size (step 0,5 mm)

1 ÷ 10 mm

P069

€ 132,00

COBALT TWIST DRILL SET

DIN 338/N, self-centering, right, with great thermal resistance



Size (step 0,5 mm)

1 ÷ 13 mm

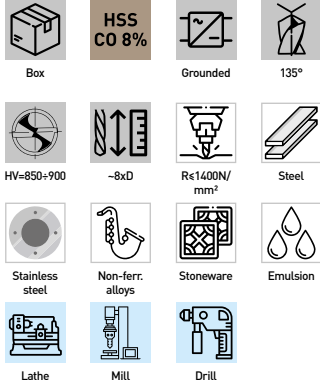
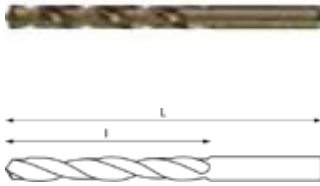




P064-

FULLY GROUND FROM THE SOLID TWIST DRILL

DIN 338/N, self-centering, right, with great thermal resistance



Art.	€	ø	L	l	Pack
P064/01.00	€ 1,42	01.00 mm	34 mm	12 mm	10
P064/01.25	€ 1,42	01.25 mm	38 mm	16 mm	10
P064/01.50	€ 1,42	01.50 mm	40 mm	18 mm	10
P064/01.75	€ 1,42	01.75 mm	46 mm	22 mm	10
P064/02.00	€ 1,42	02.00 mm	49 mm	24 mm	10
P064/02.25	€ 1,65	02.25 mm	53 mm	27 mm	10
P064/02.50	€ 1,65	02.50 mm	57 mm	30 mm	10
P064/02.75	€ 1,65	02.75 mm	61 mm	33 mm	10
P064/03.00	€ 1,65	03.00 mm	61 mm	33 mm	10
P064/03.25	€ 2,26	03.25 mm	69 mm	39 mm	10
P064/03.50	€ 2,26	03.50 mm	70 mm	39 mm	10
P064/03.75	€ 2,26	03.75 mm	70 mm	39 mm	10
P064/04.00	€ 2,26	04.00 mm	75 mm	43 mm	10
P064/04.25	€ 3,18	04.25 mm	75 mm	43 mm	10
P064/04.50	€ 3,18	04.50 mm	80 mm	47 mm	10
P064/04.75	€ 3,18	04.75 mm	80 mm	47 mm	10
P064/05.00	€ 3,18	05.00 mm	86 mm	52 mm	10
P064/05.25	€ 4,02	05.25 mm	86 mm	52 mm	10
P064/05.50	€ 4,02	05.50 mm	93 mm	57 mm	10
P064/05.75	€ 4,02	05.75 mm	93 mm	57 mm	10
P064/06.00	€ 4,02	06.00 mm	93 mm	57 mm	10
P064/06.25	€ 4,89	06.25 mm	101 mm	63 mm	10
P064/06.50	€ 4,89	06.50 mm	101 mm	63 mm	10
P064/06.75	€ 4,89	06.75 mm	109 mm	69 mm	10
P064/07.00	€ 4,89	07.00 mm	109 mm	69 mm	10
P064/07.25	€ 8,50	07.25 mm	109 mm	69 mm	10
P064/07.50	€ 8,50	07.50 mm	109 mm	69 mm	10
P064/07.75	€ 8,50	07.75 mm	117 mm	75 mm	10
P064/08.00	€ 8,50	08.00 mm	117 mm	75 mm	5
P064/08.25	€ 10,60	08.25 mm	117 mm	75 mm	5
P064/08.50	€ 10,60	08.50 mm	117 mm	75 mm	5
P064/08.75	€ 10,60	08.75 mm	125 mm	81 mm	5
P064/09.00	€ 10,60	09.00 mm	125 mm	81 mm	5
P064/09.25	€ 13,30	09.25 mm	125 mm	81 mm	5
P064/09.50	€ 13,30	09.50 mm	125 mm	81 mm	5
P064/09.75	€ 13,30	09.75 mm	133 mm	87 mm	5
P064/10.00	€ 13,30	10.00 mm	133 mm	87 mm	5
P064/10.25	€ 16,00	10.25 mm	133 mm	87 mm	5
P064/10.50	€ 16,00	10.50 mm	133 mm	87 mm	5
P064/10.75	€ 16,00	10.75 mm	142 mm	94 mm	5
P064/11.00	€ 16,00	11.00 mm	142 mm	94 mm	5
P064/11.25	€ 19,10	11.25 mm	142 mm	94 mm	5
P064/11.50	€ 19,10	11.50 mm	142 mm	94 mm	5
P064/11.75	€ 19,10	11.75 mm	142 mm	94 mm	5
P064/12.00	€ 19,10	12.00 mm	151 mm	101 mm	5
P064/12.25	€ 23,20	12.25 mm	151 mm	101 mm	5
P064/12.50	€ 23,20	12.50 mm	151 mm	101 mm	5
P064/12.75	€ 23,20	12.75 mm	151 mm	101 mm	5
P064/13.00	€ 23,20	13.00 mm	151 mm	101 mm	5

P064/19A

€ 81,30

COBALT TWIST DRILL SET

DIN 338/N, self-centering, right, with great thermal resistance.



Size (step 0,5 mm)

1 + 10 mm

P064/25A

€ 173,00

COBALT TWIST DRILL SET

DIN 338/N, self-centering, right, with great thermal resistance



Size (step 0,5 mm)

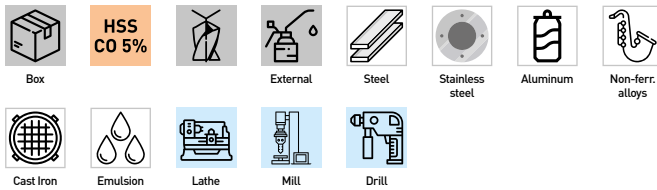
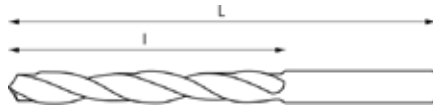
1 + 13 mm





P081-
NC SPOTTING DRILL

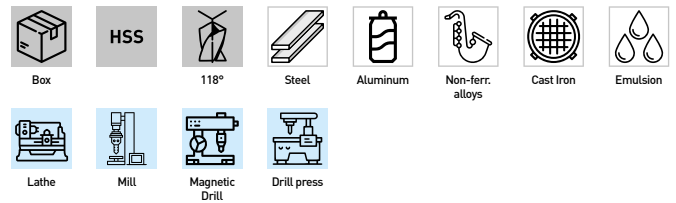
PRO NEW



Art.	€	Diameter	l	L
P081/03	€ 6,40	3 mm	12 mm	46 mm
P081/04	€ 8,30	4 mm	12 mm	55 mm
P081/05	€ 10,20	5 mm	15 mm	60 mm
P081/06	€ 12,30	6 mm	20 mm	66 mm
P081/08	€ 17,40	8 mm	25 mm	79 mm
P081/10	€ 22,30	10 mm	25 mm	89 mm
P081/12	€ 31,20	12 mm	30 mm	102 mm
P081/16	€ 50,50	16 mm	35 mm	115 mm
P081/20	€ 70,40	20 mm	40 mm	131 mm

P056-
CENTER DRILL

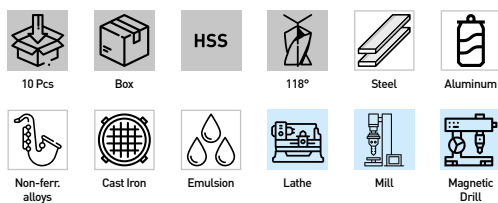
DIN 333, ground, with vaporized grooves. Taper angle 60°



Art.	€	ø	Stem	Length
P056/1	€ 2,45	1 mm	ø 3 mm	30,5 mm
P056/1.6	€ 2,45	1,6 mm	ø 4 mm	35,5 mm
P056/2	€ 3,67	2 mm	ø 5 mm	40 mm
P056/2.5	€ 3,87	2,5 mm	ø 6,3 mm	45 mm
P056/3.15	€ 4,27	3,15 mm	ø 8 mm	50 mm
P056/4	€ 7,60	4 mm	ø 10 mm	56 mm
P056/5	€ 10,20	5 mm	ø 12,5 mm	63 mm

P056/10S € 34,70
CENTER DRILL SET

DIN 333, ground, with vaporized grooves. Taper angle 60°



Sizes	0.75 - 1.00 - 1.5 - 1.6 - 2.0 - 2.5 - 3.0 - 3.15 - 4.0 - 5.0 mm
Type	A
Tolerance	K12



CORE SAWS

Tools designed for drilling and processing metal materials. These are cylindrical tips with a toothed circular section. They are mounted on the spindle of special tools such as drilling machines, magnetic base drills, and column drills. Unlike cup milling machines, which have a crown that holds the material to be removed inside, these milling machines process the material by chip removal through the side cutters of the tool.



THEORETICAL RPM FOR CORE SAWS DEPENDING ON THE MATERIAL TO BE PROCESSED

Materials to be processed	Saw Type	Saw diameter							Coolant
		12 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 49	50 - 60	
		no. of revolutions (rpm)							
Low alloy construction steel R < 700÷900N/mm ²	HSS	700	530	420	340	290	240	170	Emulsion
	HSS-Co5%	875	663	525	425	363	300	213	Emulsion
Alloy steel R < 1100÷1300N/mm ²	HSS	470	350	270	230	190	160	120	Emulsion
	HSS-Co5%	588	438	338	288	238	200	150	Emulsion
Stainless steel	HSS	470	350	270	230	190	160	120	Emulsion
	HSS-Co5%	588	438	338	288	238	200	150	Emulsion
Cast iron	HSS	240	180	140	120	100	80	60	No refriger.
Light Alloys	HSS	700	530	420	340	290	240	170	No refriger.
Plastic	HSS	830	620	480	400	340	280	200	No refriger.

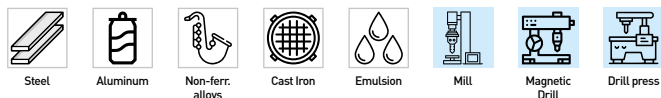
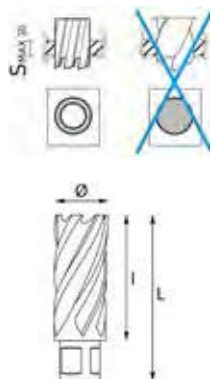




F011-

CORE DRILL WITH WELDON SHANK

Allows a very fast cut, does not require pre-drilling and does not create any burr formation thanks to the lower effort of the cutting edge during processing



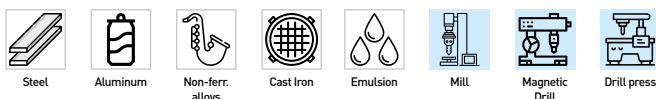
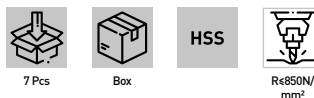
Art.	€	Cutting capacity	ø	Total length
F011/12	€ 23,50	30 mm	12 mm	62 mm
F011/13	€ 24,50	30 mm	13 mm	62 mm
F011/14	€ 28,40	30 mm	14 mm	62 mm
F011/15	€ 29,30	30 mm	15 mm	62 mm
F011/16	€ 31,30	30 mm	16 mm	62 mm
F011/17	€ 32,30	30 mm	17 mm	62 mm
F011/18	€ 34,20	30 mm	18 mm	62 mm
F011/19	€ 35,10	30 mm	19 mm	62 mm
F011/20	€ 36,20	30 mm	20 mm	62 mm
F011/21	€ 36,70	30 mm	21 mm	62 mm
F011/22	€ 38,10	30 mm	22 mm	62 mm
F011/23	€ 39,10	30 mm	23 mm	62 mm
F011/24	€ 41,60	30 mm	24 mm	62 mm
F011/25	€ 43,10	30 mm	25 mm	62 mm
F011/26	€ 48,90	30 mm	26 mm	62 mm
F011/27	€ 50,30	30 mm	27 mm	62 mm
F011/28	€ 51,80	30 mm	28 mm	62 mm
F011/29	€ 53,30	30 mm	29 mm	62 mm
F011/30	€ 54,70	30 mm	30 mm	62 mm
F011/31	€ 57,10	30 mm	31 mm	62 mm
F011/32	€ 58,70	30 mm	32 mm	62 mm
F011/33	€ 60,40	30 mm	33 mm	62 mm
F011/34	€ 62,10	30 mm	34 mm	62 mm
F011/35	€ 63,50	30 mm	35 mm	62 mm
F011/36	€ 65,30	30 mm	36 mm	62 mm
F011/37	€ 67,00	30 mm	37 mm	62 mm
F011/38	€ 69,20	30 mm	38 mm	62 mm
F011/39	€ 71,20	30 mm	39 mm	62 mm
F011/40	€ 72,40	30 mm	40 mm	62 mm
F011/41	€ 83,60	30 mm	41 mm	62 mm
F011/42	€ 85,50	30 mm	42 mm	62 mm
F011/43	€ 87,00	30 mm	43 mm	62 mm
F011/44	€ 88,90	30 mm	44 mm	62 mm
F011/45	€ 104,00	30 mm	45 mm	62 mm
F011/46	€ 106,00	30 mm	46 mm	62 mm
F011/47	€ 108,00	30 mm	47 mm	62 mm
F011/48	€ 111,00	30 mm	48 mm	62 mm
F011/49	€ 113,00	30 mm	49 mm	62 mm
F011/50	€ 115,00	30 mm	50 mm	62 mm
F011/51	€ 125,00	30 mm	51 mm	62 mm
F011/52	€ 127,00	30 mm	52 mm	62 mm
F011/53	€ 129,00	30 mm	53 mm	62 mm
F011/54	€ 132,00	30 mm	54 mm	62 mm
F011/55	€ 137,00	30 mm	55 mm	62 mm
F011/60	€ 160,00	30 mm	60 mm	62 mm

F011/6

€ 185,00

WELDON SHANK CORE DRILL SET

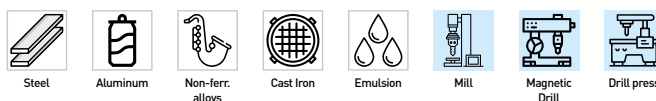
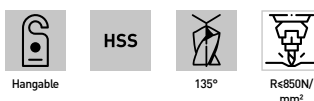
Allows a very fast cut, does not require pre-drilling and does not create any burr formation thanks to the lower effort of the cutting edge during processing.



Sizes	12 x 62 - 14 x 62 - 16 x 62 - 18 x 62 - 20 x 62 - 22 x 62 mm
Cutting capacity	30 mm
Shank	Weldon 19,05 mm

F011-XP

TWIST DRILLS WELDON SHANK



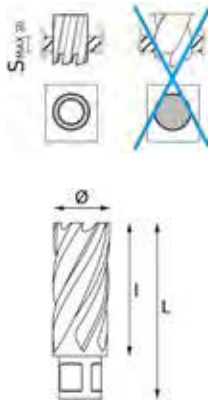
Art.	€	ø	L	L
F011/006P	€ 28,70	6 mm	30 mm	62 mm
F011/007P	€ 28,70	7 mm	30 mm	62 mm
F011/008P	€ 28,70	8 mm	30 mm	62 mm
F011/009P	€ 31,70	9 mm	30 mm	62 mm
F011/010P	€ 31,70	10 mm	30 mm	62 mm
F011/011P	€ 34,70	11 mm	30 mm	62 mm

F002-

PRO

CORE DRILL WITH WELDON SHANK

Allows a very fast cut, does not require pre-drilling and does not create any burr formation thanks to the lower effort of the cutting edge during processing



Art.	€	Ø	Cutting capacity	Total length
F002/12	€ 38,90	12 mm	30 mm	62 mm
F002/13	€ 41,10	13 mm	30 mm	62 mm
F002/14	€ 44,90	14 mm	30 mm	62 mm
F002/15	€ 48,90	15 mm	30 mm	62 mm
F002/16	€ 50,80	16 mm	30 mm	62 mm
F002/17	€ 50,80	17 mm	30 mm	62 mm
F002/18	€ 50,80	18 mm	30 mm	62 mm
F002/19	€ 51,80	19 mm	30 mm	62 mm
F002/20	€ 53,80	20 mm	30 mm	62 mm
F002/21	€ 55,70	21 mm	30 mm	62 mm
F002/22	€ 57,70	22 mm	30 mm	62 mm
F002/23	€ 59,10	23 mm	30 mm	62 mm
F002/24	€ 62,60	24 mm	30 mm	62 mm
F002/25	€ 64,50	25 mm	30 mm	62 mm
F002/26	€ 74,20	26 mm	30 mm	62 mm
F002/27	€ 77,30	27 mm	30 mm	62 mm
F002/28	€ 79,20	28 mm	30 mm	62 mm
F002/29	€ 80,10	29 mm	30 mm	62 mm
F002/30	€ 83,10	30 mm	30 mm	62 mm
F002/31	€ 87,00	31 mm	30 mm	62 mm
F002/32	€ 90,00	32 mm	30 mm	62 mm
F002/33	€ 96,80	33 mm	30 mm	62 mm
F002/34	€ 102,00	34 mm	30 mm	62 mm
F002/35	€ 105,00	35 mm	30 mm	62 mm
F002/36	€ 109,00	36 mm	30 mm	62 mm
F002/37	€ 114,00	37 mm	30 mm	62 mm
F002/38	€ 118,00	38 mm	30 mm	62 mm
F002/39	€ 123,00	39 mm	30 mm	62 mm
F002/40	€ 127,00	40 mm	30 mm	62 mm
F002/41	€ 132,00	41 mm	30 mm	62 mm
F002/42	€ 138,00	42 mm	30 mm	62 mm
F002/43	€ 141,00	43 mm	30 mm	62 mm
F002/44	€ 148,00	44 mm	30 mm	62 mm
F002/45	€ 158,00	45 mm	30 mm	62 mm
F002/46	€ 160,00	46 mm	30 mm	62 mm
F002/47	€ 164,00	47 mm	30 mm	62 mm
F002/48	€ 167,00	48 mm	30 mm	62 mm
F002/49	€ 172,00	49 mm	30 mm	62 mm
F002/50	€ 176,00	50 mm	30 mm	62 mm
F002/55	€ 205,00	55 mm	30 mm	62 mm
F002/60	€ 317,00	60 mm	30 mm	62 mm

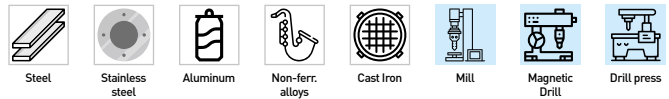
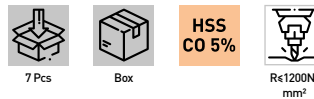
F002/6

PRO

€ 283,00

WELDON SHANK CORE DRILL SET

Allows a very fast cut, does not require pre-drilling and does not create any burr formation thanks to the lower effort of the cutting edge during processing.

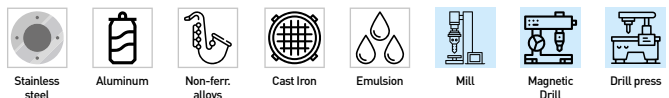
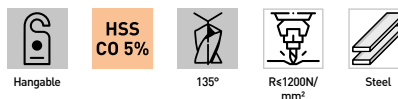
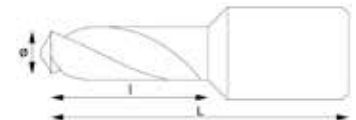


Sizes 12 x 62 - 14 x 62 - 16 x 62 - 18 x 62 - 20 x 62 - 22 x 62 mm
Shank Weldon 19,05 mm

F002-XP

PRO

TWIST DRILLS WELDON SHANK



Art.	€	Ø	l	L
F002/006P	€ 26,70	6 mm	30 mm	62.50 mm
F002/007P	€ 26,70	7 mm	30 mm	62.50 mm
F002/008P	€ 26,70	8 mm	30 mm	62.50 mm
F002/009P	€ 26,70	9 mm	30 mm	62.50 mm
F002/010P	€ 26,70	10 mm	30 mm	62.50 mm
F002/011P	€ 26,70	11 mm	30 mm	62.50 mm

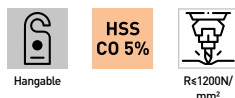
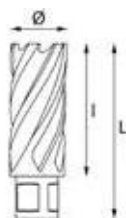


F002-XL

PRO

LONG TYPE CORE DRILL WITH WELDON SHANK

Allows a very fast cut, does not require pre-drilling and does not create any burr formation thanks to the lower effort of the cutting edge during processing

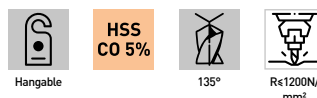
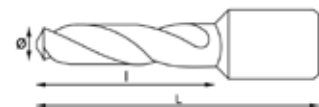


Art.	€	ø	Cutting capacity	Total length
F002/12L	€ 54,70	12 mm	50 mm	85 mm
F002/13L	€ 55,70	13 mm	50 mm	85 mm
F002/14L	€ 65,50	14 mm	50 mm	85 mm
F002/15L	€ 66,50	15 mm	50 mm	85 mm
F002/16L	€ 71,40	16 mm	50 mm	85 mm
F002/17L	€ 74,20	17 mm	50 mm	85 mm
F002/18L	€ 77,30	18 mm	50 mm	85 mm
F002/19L	€ 79,20	19 mm	50 mm	85 mm
F002/20L	€ 81,10	20 mm	50 mm	85 mm
F002/21L	€ 83,10	21 mm	50 mm	85 mm
F002/22L	€ 85,00	22 mm	50 mm	85 mm
F002/23L	€ 87,00	23 mm	50 mm	85 mm
F002/24L	€ 91,90	24 mm	50 mm	85 mm
F002/25L	€ 93,80	25 mm	50 mm	85 mm
F002/26L	€ 109,00	26 mm	50 mm	85 mm
F002/27L	€ 111,00	27 mm	50 mm	85 mm
F002/28L	€ 114,00	28 mm	50 mm	85 mm
F002/29L	€ 116,00	29 mm	50 mm	85 mm
F002/30L	€ 118,00	30 mm	50 mm	85 mm
F002/31L	€ 125,00	31 mm	50 mm	85 mm
F002/32L	€ 128,00	32 mm	50 mm	85 mm
F002/33L	€ 129,00	33 mm	50 mm	85 mm
F002/34L	€ 133,00	34 mm	50 mm	85 mm
F002/35L	€ 135,00	35 mm	50 mm	85 mm
F002/36L	€ 140,00	36 mm	50 mm	85 mm
F002/37L	€ 141,00	37 mm	50 mm	85 mm
F002/38L	€ 146,00	38 mm	50 mm	85 mm
F002/39L	€ 150,00	39 mm	50 mm	85 mm
F002/40L	€ 151,00	40 mm	50 mm	85 mm
F002/41L	€ 176,00	41 mm	50 mm	85 mm
F002/42L	€ 179,00	42 mm	50 mm	85 mm
F002/43L	€ 183,00	43 mm	50 mm	85 mm
F002/44L	€ 186,00	44 mm	50 mm	85 mm
F002/45L	€ 223,00	45 mm	50 mm	85 mm
F002/46L	€ 226,00	46 mm	50 mm	85 mm
F002/47L	€ 229,00	47 mm	50 mm	85 mm
F002/48L	€ 233,00	48 mm	50 mm	85 mm
F002/49L	€ 237,00	49 mm	50 mm	85 mm
F002/50L	€ 241,00	50 mm	50 mm	85 mm
F002/55L	€ 284,00	55 mm	50 mm	85 mm
F002/60L	€ 328,00	60 mm	50 mm	85 mm

F002-XPL

PRO

LONG TWIST DRILLS WELDON SHANK



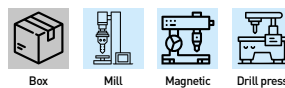
Art.	€	ø	L	L
F002/006PL	€ 34,70	6 mm	55 mm	86.50 mm
F002/007PL	€ 34,70	7 mm	55 mm	86.50 mm
F002/008PL	€ 34,70	8 mm	55 mm	86.50 mm
F002/009PL	€ 34,70	9 mm	55 mm	86.50 mm
F002/010PL	€ 34,70	10 mm	55 mm	86.50 mm
F002/011PL	€ 34,70	11 mm	55 mm	86.50 mm

F002/P

PRO € 7,80

PILOT PIN

For weldon shank core drills



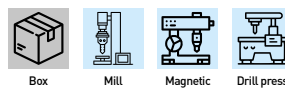
Dimensions 6,35 x 77 mm

F002/PL

PRO € 9,70

PILOT PIN

For weldon shank long type core drills



Dimensions 6,35 x 102 mm

CUP SAWS WITH HARD METAL INSERTS



The variable hard metal tooth geometry enables cutting of pipes, profiles and sheets made of stainless steel, high-alloy steel. Max cut thickness: 5 mm

THEORETICAL RPM FOR CUP SAWS WITH HARD METAL INSERTS DEPENDING ON THE MATERIAL TO BE PROCESSED

Materials to be processed	Saw diameter							Coolant
	15 - 20	21 - 25	26 - 30	31 - 40	41 - 50	51 - 70	71 - 100	
	no. of revolutions (rpm)							
Alloy steel R< 1100÷1300N/mm ²	530	420	340	270	210	160	100	Emulsion
Stainless steel	530	420	340	270	210	160	100	Emulsion
Aluminium	880	690	570	450	350	270	190	Emulsion

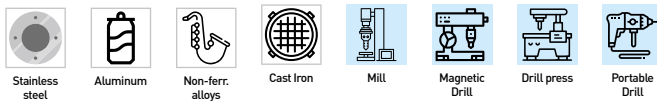
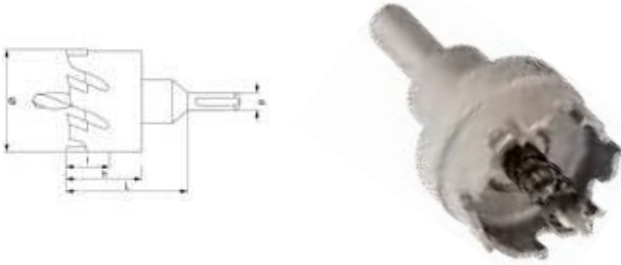




F019-

TCT CORE DRILL

With lateral chip and center drill



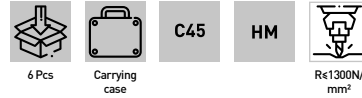
Art.	€	ø	h	d	L	Cutting Depth	Thread
F019/015	€ 12,50	15 mm	28 mm	10 mm	50 mm	5 mm	-
F019/016	€ 13,40	16 mm	28 mm	10 mm	50 mm	5 mm	-
F019/017	€ 14,30	17 mm	28 mm	10 mm	50 mm	5 mm	-
F019/018	€ 15,20	18 mm	28 mm	10 mm	50 mm	5 mm	-
F019/019	€ 16,00	19 mm	28 mm	10 mm	50 mm	5 mm	-
F019/020	€ 17,00	20 mm	28 mm	10 mm	50 mm	5 mm	-
F019/021	€ 17,80	21 mm	28 mm	10 mm	50 mm	5 mm	-
F019/022	€ 18,80	22 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/023	€ 19,60	23 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/024	€ 20,50	24 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/025	€ 21,40	25 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/026	€ 22,30	26 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/027	€ 23,20	27 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/028	€ 24,10	28 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/029	€ 24,90	29 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/030	€ 25,90	30 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/031	€ 26,70	31 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/032	€ 27,70	32 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/033	€ 28,50	33 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/034	€ 29,50	34 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/035	€ 30,30	35 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/036	€ 31,20	36 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/037	€ 32,10	37 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/038	€ 33,00	38 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/039	€ 33,80	39 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/040	€ 34,80	40 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/041	€ 35,10	41 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/042	€ 36,10	42 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/043	€ 36,90	43 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/044	€ 37,40	44 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/045	€ 38,40	45 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/046	€ 39,20	46 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/047	€ 40,10	47 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/048	€ 41,00	48 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/049	€ 41,90	49 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/050	€ 42,70	50 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/051	€ 43,70	51 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/052	€ 44,50	52 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/053	€ 45,50	53 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/054	€ 46,30	54 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/055	€ 47,30	55 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/056	€ 48,10	56 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/057	€ 49,00	57 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/058	€ 49,90	58 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/059	€ 50,80	59 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/060	€ 51,60	60 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/065	€ 59,70	65 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/070	€ 63,30	70 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/075	€ 67,70	75 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/080	€ 72,20	80 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/085	€ 76,60	85 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/090	€ 81,90	90 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/095	€ 86,40	95 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/100	€ 90,80	100 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5

F019/006

€ 99,60

TCT CORE DRILL SET

With lateral chip and center drill.



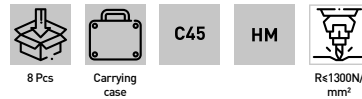
Sizes 16 mm, 18 mm, 20 mm, 22 mm, 25 mm, 30 mm
Cutting Depth 5 mm

F019/008

€ 141,00

TCT CORE DRILL SET

With lateral chip and center drill.



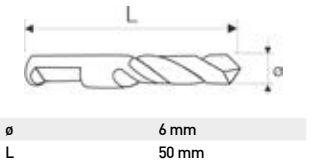
Sizes 16 mm, 18 mm, 20 mm, 22 mm, 25 mm, 30 mm, 32 mm, 35 mm
Cutting Depth 5 mm

F019/005

€ 1,88

CENTER DRILL

For item F019-

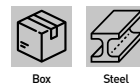


F019/007

€ 0,23

SPRING

For item F019-



HSS CUP SAWS

Equipped with chip breaker side cut. Precision drilling of steel sheets, light alloys and metal materials in general. Drilling depth up to 5 mm.



THEORETICAL RPM FOR CORE SAWS DEPENDING ON THE MATERIAL TO BE PROCESSED

Materials to be processed	Saw diameter												Coolant
	12-17	18-24	25-32	33-38	39-44	45-51	52-57	58-64	65-70	71-80	81-90	91-100	
	no. of revolutions (rpm)												
Low alloy construction steel R< 700÷900N/mm ²	550	380	300	240	200	170	150	130	120	110	100	90	Emulsion
Alloy steel R< 1100÷1300N/mm ²	230	160	130	100	80	70	60	60	50	50	40	40	Emulsion
Stainless steel	230	160	130	100	80	70	60	60	50	50	40	40	Emulsion
Cast iron	280	190	150	120	100	90	80	70	60	60	50	40	No refriger.
Light Alloys	870	590	470	370	310	270	240	210	190	170	150	140	Emulsion
Aluminium	870	590	470	370	310	270	240	210	190	170	150	140	Emulsion
Plastic	660	450	350	280	240	210	180	160	150	130	120	100	Water No refrigeration

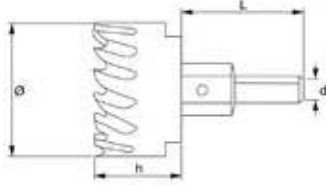




F015-

DRILL BIT HOLE SAW

With lateral chip and center drill



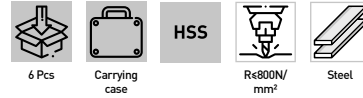
Art.	€	ø	h	d	L	Thread
F015/012	€ 10,30	12 mm	23 mm	8 mm	56 mm	M10 x 1,25
F015/013	€ 10,30	13 mm	23 mm	8 mm	56 mm	M10 x 1,25
F015/014	€ 10,80	14 mm	23 mm	8 mm	56 mm	M10 x 1,25
F015/015	€ 10,80	15 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/016	€ 10,80	16 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/017	€ 10,80	17 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/018	€ 10,80	18 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/019	€ 11,30	19 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/020	€ 11,80	20 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/021	€ 12,20	21 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/022	€ 12,70	22 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/023	€ 13,80	23 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/024	€ 14,10	24 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/025	€ 14,60	25 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/026	€ 15,60	26 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/027	€ 16,00	27 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/028	€ 16,50	28 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/029	€ 17,00	29 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/030	€ 17,30	30 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/031	€ 17,80	31 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/032	€ 18,80	32 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/033	€ 18,80	33 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/034	€ 19,70	34 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/035	€ 20,70	35 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/036	€ 21,60	36 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/037	€ 21,60	37 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/038	€ 22,10	38 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/039	€ 24,00	39 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/040	€ 24,00	40 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/041	€ 24,50	41 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/042	€ 24,50	42 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/043	€ 25,40	43 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/044	€ 25,90	44 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/045	€ 27,30	45 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/046	€ 27,30	46 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/047	€ 27,80	47 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/048	€ 29,60	48 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/049	€ 30,00	49 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/050	€ 30,00	50 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/051	€ 36,70	51 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/052	€ 36,70	52 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/053	€ 37,60	53 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/054	€ 39,50	54 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/055	€ 39,50	55 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/056	€ 40,40	56 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/057	€ 40,40	57 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/058	€ 42,30	58 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/059	€ 44,20	59 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/060	€ 44,20	60 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/065	€ 56,40	65 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/070	€ 60,20	70 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/075	€ 64,80	75 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/080	€ 71,50	80 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/085	€ 81,80	85 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/090	€ 90,20	90 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/095	€ 97,70	95 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/100	€ 103,00	100 mm	23 mm	12 mm	56 mm	M16 x 1,5

F015/006S

€ 99,60

DRILL BIT HOLE SAW SET

With lateral chip and center drill.



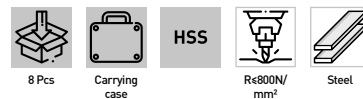
Sizes 16 mm, 18 mm, 20 mm, 22 mm, 25 mm, 30 mm

F015/008S

€ 141,00

DRILL BIT HOLE SAW SET

With lateral chip and center drill.

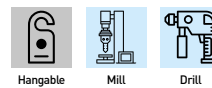
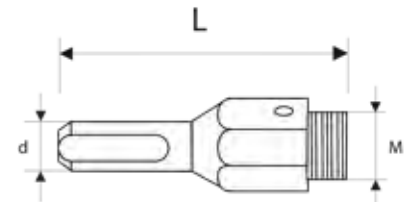


Sizes 16 mm, 18 mm, 20 mm, 22 mm, 25 mm, 30 mm, 32 mm, 35 mm

F015-A

DRILL BIT HOLE SAW ARBOR

For item F015-



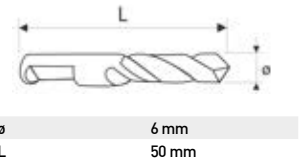
Art.	€	ø	d	L	Thread
F015/001	€ 3,29	12 - 14 mm	8 mm	56 mm	M10 x 1,25
F015/002	€ 3,29	15-34 mm	10 mm	56 mm	M12 x 1,25
F015/003	€ 4,71	35-50 mm	10 mm	56 mm	M14 x 1,5
F015/004	€ 4,71	51-100 mm	12 mm	60 mm	M16 x 1,5

F015/005

€ 1,88

CENTER DRILL

For item F015-



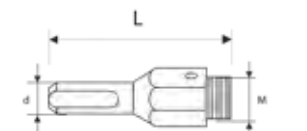
ø 6 mm
L 50 mm

F015/007

€ 0,23

SPRING

For item F015-



BI-METAL CUP SAW

Equipped with variable toothing for cutting thin material such as steel, cast iron, aluminium, copper, bronze, brass, wood, plastic, fibreglass and plasterboard.



THEORETICAL RPM FOR CORE SAWS DEPENDING ON THE MATERIAL TO BE PROCESSED

Materials to be processed	Saw diameter																Coolant
	14 - 17	19 - 24	25 - 32	33 - 38	40 - 44	46 - 51	52 - 57	59 - 64	65 - 70	73 - 79	83 - 89	92 - 98	102 - 108	111 - 121	127 - 140	146 - 152	
	no. of revolutions (rpm)																
Low alloy construction steel R< 700÷900N/mm ²	530	360	280	230	190	170	140	130	120	110	90	80	80	70	60	50	Emulsion
Alloy steel R< 1100÷1300N/mm ²	210	140	110	90	80	70	60	50	50	40	40	30	30	30	20	20	Emulsion
Stainless steel	210	140	110	90	80	70	60	50	50	40	40	30	30	30	20	20	Emulsion
Cast iron	250	180	170	140	110	90	70	60	60	50	40	40	40	30	30	30	No refriger.
Brass	740	510	400	320	270	230	200	180	170	150	130	120	110	100	80	70	"Emulsion Oil"
Aluminium and light alloys	850	580	450	360	300	270	230	210	190	170	150	130	120	110	100	80	Emulsion
Wood	960	650	510	410	340	300	260	230	210	190	170	150	140	120	110	100	No refriger.
Plastic	640	430	340	270	230	200	170	150	140	130	110	100	90	80	70	60	No refriger.
Plasterboard	960	650	510	410	340	300	260	230	210	190	170	150	140	120	110	100	No refriger.



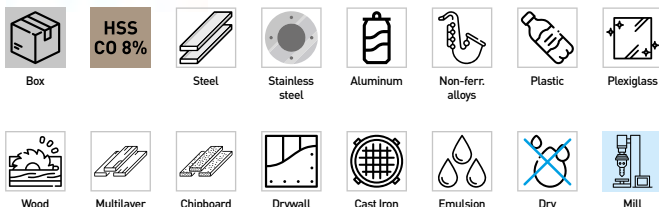


0278-

PRO

BIMETAL HOLE SAWS WITH VARIABLE TEETH

Thanks to the geometry of the variable toothing, it is possible to perform rapid and precise cuts as well as greater heat dispersion during cutting for less wear of the teeth. Furthermore, there is a considerable reduction of seizure



Art.	€	ø	ø inch
0278/014	€ 5,30	14 mm	9/16
0278/016	€ 5,30	16 mm	5/8
0278/017	€ 5,30	17 mm	11/16
0278/019	€ 5,70	19 mm	3/4
0278/020	€ 5,70	20 mm	25/32
0278/021	€ 6,10	21 mm	13/16
0278/022	€ 6,10	22 mm	7/8
0278/024	€ 6,40	24 mm	15/16
0278/025	€ 6,40	25 mm	1
0278/027	€ 7,00	27 mm	1-1/16
0278/029	€ 7,00	29 mm	1-1/8
0278/030	€ 8,30	30 mm	1-3/16
0278/032	€ 8,30	32 mm	1-1/4
0278/033	€ 8,50	33 mm	1-5/16
0278/035	€ 9,00	35 mm	1-3/8
0278/037	€ 9,50	37 mm	1-7/16
0278/038	€ 9,50	38 mm	1-1/2
0278/040	€ 9,70	40 mm	1-9/16
0278/041	€ 9,90	41 mm	1-5/8
0278/043	€ 9,90	43 mm	1-11/16
0278/044	€ 10,80	44 mm	1-3/4
0278/046	€ 10,80	46 mm	1-13/16
0278/048	€ 11,10	48 mm	1-7/8
0278/051	€ 11,40	51 mm	2
0278/052	€ 12,70	52 mm	2-1/16
0278/054	€ 12,70	54 mm	2-1/8
0278/057	€ 12,70	57 mm	2-1/4
0278/059	€ 13,10	59 mm	2-5/16
0278/060	€ 13,10	60 mm	2-3/8
0278/064	€ 14,10	64 mm	2-1/2
0278/065	€ 14,10	65 mm	2-9/16
0278/067	€ 15,20	67 mm	2-5/8
0278/068	€ 15,20	68 mm	2-11/16
0278/070	€ 15,20	70 mm	2-3/4
0278/073	€ 16,70	73 mm	2-7/8
0278/076	€ 16,70	76 mm	3
0278/079	€ 17,70	79 mm	3-1/8
0278/083	€ 18,80	83 mm	3-1/4
0278/085	€ 18,80	85 mm	3-3/8
0278/089	€ 20,40	89 mm	3-1/2
0278/092	€ 20,90	92 mm	3-5/8
0278/095	€ 21,70	95 mm	3-3/4
0278/098	€ 21,70	98 mm	3-7/8
0278/102	€ 21,90	102 mm	4
0278/105	€ 22,30	105 mm	4-1/8
0278/108	€ 23,00	108 mm	4-1/4
0278/111	€ 23,70	111 mm	4-3/8
0278/114	€ 24,80	114 mm	4-1/2
0278/121	€ 25,90	121 mm	4-3/4
0278/127	€ 28,00	127 mm	5
0278/140	€ 37,80	140 mm	5-1/2
0278/152	€ 44,00	152 mm	6

0278/002S

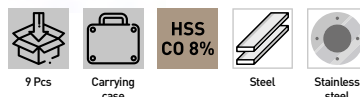
PRO € 95,90

HOLE SAW SET

Electrician kit



BIM - HSS-CO 8% ATU W&L



Hole saw	22 - 29 mm
Corresponding arbors, adapter, bits	0712/600
Hole saw	35 - 44 mm
Corresponding arbors, adapter, bits	0712/800
Hole saw	51 - 64 mm
Corresponding arbors, adapter, bits	0712/900

0278/005S

PRO € 62,90

HOLE SAW SET

Repairman set



BIM - HSS-CO 8% ATU W&L



Hole saw	22 - 25 - 29 mm
Corresponding arbors, adapter, bits	0712/600
Hole saw	32 - 38 mm
Corresponding arbors, adapter, bits	0712/900

0278/008S

PRO € 91,20

HOLE SAW SET

Plumber set



BIM - HSS-CO 8% ATU W&L



Hole saw	19 - 22 - 29 mm
Corresponding arbors, adapter, bits	0712/600
Hole saw	38 - 44 - 57 mm
Corresponding arbors, adapter, bits	0712/800 - 0712/900

0278/009S

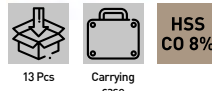
PRO € 108,00

HOLE SAW SET

Installer set



BIM - HSS-CO 8% ATU W&L

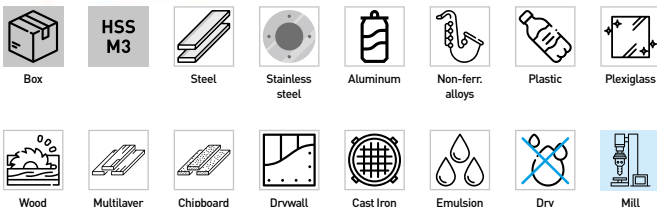


Hole saw	19 - 22 - 29 mm
Corresponding arbors, adapter, bits	0712/600 - 0712/900 - 0712/300
Hole saw	35 - 38 - 44 - 51 - 57 - 64 mm
Corresponding arbors, adapter, bits	0712/800

0712-

BIMETAL HOLE SAWS WITH VARIABLE TEETH

Thanks to the geometry of the variable toothting, it is possible to perform rapid and precise cuts as well as greater heat dispersion during cutting for less wear of the teeth. Furthermore, there is a considerable reduction of seizure



Art.	€	ø	ø inch
0712/014	€ 4,91	14 mm	9/16
0712/016	€ 4,91	16 mm	5/8
0712/017	€ 4,91	17 mm	11/16
0712/019	€ 4,91	19 mm	3/4
0712/020	€ 4,91	20 mm	25/32
0712/021	€ 4,91	21 mm	13/16
0712/022	€ 7,00	22 mm	7/8
0712/024	€ 7,00	24 mm	15/16
0712/025	€ 7,00	25 mm	1
0712/027	€ 7,00	27 mm	1-1/16
0712/029	€ 7,00	29 mm	1-1/8
0712/030	€ 7,10	30 mm	1-3/16
0712/032	€ 7,10	32 mm	1-1/4
0712/033	€ 7,10	33 mm	1-5/16
0712/035	€ 9,10	35 mm	1-3/8
0712/037	€ 9,10	37 mm	1-7/16
0712/038	€ 9,10	38 mm	1-1/2
0712/040	€ 9,10	40 mm	1-9/16
0712/041	€ 9,10	41 mm	1-5/8
0712/043	€ 9,10	43 mm	1-11/16
0712/044	€ 9,10	44 mm	1-3/4
0712/046	€ 9,10	46 mm	1-13/16
0712/048	€ 9,10	48 mm	1-7/8
0712/051	€ 9,10	51 mm	2
0712/052	€ 10,70	52 mm	2-1/16
0712/054	€ 10,70	54 mm	2-1/8
0712/057	€ 10,70	57 mm	2-1/4
0712/059	€ 10,70	59 mm	2-5/16
0712/060	€ 10,70	60 mm	2-3/8
0712/064	€ 12,00	64 mm	2-1/2
0712/065	€ 12,00	65 mm	2-9/16
0712/067	€ 12,00	67 mm	2-5/8
0712/068	€ 12,00	68 mm	2-11/16
0712/070	€ 12,00	70 mm	2-3/4
0712/073	€ 14,00	73 mm	2-7/8
0712/076	€ 14,00	76 mm	3
0712/079	€ 14,00	79 mm	3-1/8
0712/083	€ 15,60	83 mm	3-1/4
0712/085	€ 15,60	85 mm	3-3/8
0712/089	€ 15,60	89 mm	3-1/2
0712/092	€ 15,60	92 mm	3-5/8
0712/095	€ 17,30	95 mm	3-3/4
0712/098	€ 17,30	98 mm	3-7/8
0712/102	€ 18,50	102 mm	4
0712/105	€ 20,20	105 mm	4-1/8
0712/108	€ 24,80	108 mm	4-1/4
0712/111	€ 30,80	111 mm	4-3/8
0712/114	€ 30,80	114 mm	4-1/2
0712/121	€ 30,80	121 mm	4-3/4
0712/127	€ 30,80	127 mm	5
0712/140	€ 35,60	140 mm	5-1/2
0712/152	€ 35,60	152 mm	6

0712/002

€ 86,90

HOLE SAW SET

Electrician kit



BIM - HSS M3/1
W: Z-6



9 Pcs



Carrying case

HSS M3



Hole saw	22 - 29 mm
Corresponding arbors, adapter, bits	0712/600
Hole saw	35 - 44 mm
Corresponding arbors, adapter, bits	0712/800
Hole saw	51 - 64 mm
Corresponding arbors, adapter, bits	0712/900

0712/005

€ 56,90

HOLE SAW SET

Repairman set



BIM - HSS M3/1
W: Z-6



7 Pcs



Carrying case

HSS M3



Hole saw	22 - 25 - 29 mm
Corresponding arbors, adapter, bits	0712/600
Hole saw	32 - 38 mm
Corresponding arbors, adapter, bits	0712/900

0712/008

€ 86,90

HOLE SAW SET

Plumber set



BIM - HSS M3/1
W: Z-6



9 Pcs



Carrying case

HSS M3



Hole saw	19 - 22 - 29 mm
Corresponding arbors, adapter, bits	0712/600
Hole saw	38 - 44 - 57 mm
Corresponding arbors, adapter, bits	0712/800 - 0712/900

0712/009

€ 98,70

HOLE SAW SET

Installer set



BIM - HSS M3/1
W: Z-6



13 Pcs



Carrying case

HSS M3



Hole saw	19 - 22 - 29 mm
Corresponding arbors, adapter, bits	0712/600 - 0712/900 - 0712/300
Hole saw	35 - 38 - 44 - 51 - 57 - 64 mm
Corresponding arbors, adapter, bits	0712/800



0712/010

€ 186,00

HOLE SAW SET

Industry kit



WHL - HSS M3
Wk. 294



21 Pcs



Carrying case

HSS M3

Hole saw	19 - 22 - 29 mm
Corresponding arbors, adapter, bits	0712/600
Hole saw	35 - 38 - 44 - 51 - 57 - 64 - 76 - 83 - 92 - 95 - 105 - 114 mm
Corresponding arbors, adapter, bits	0712/600 - 0712/900 - 0712/300
Extension	300 mm

0712-X00

DRILL BIT

Suitable for all brands



Box

HSS

Art.	€	Stem	For arbor	Length	Pack
0712/300	€ 3,96	Ø 6,35 mm	0712/600	105 mm	10
0712/200	€ 3,96	Ø 6,35 mm	0712/700 - 800	75 mm	10

0712/900

€ 3,96

ARBOR ADAPTER FOR HOLE SAWS



Box

Gear Reduction ratio	1/2" - 5/8"
For arbor	0712/600 - 0712/700

0712-X0

HOLE SAW ARBOR WITH DRILL BIT

Hexagonal connection, suitable for all brands.



Box

HSS

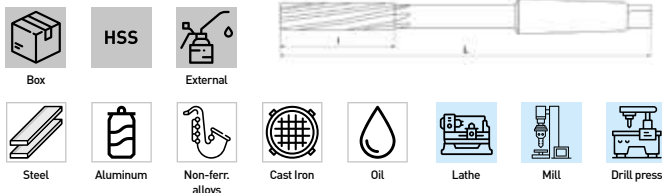
Art.	€	Shank	Stem	Hole saw	Thread
0712/600	€ 7,10	Shank Round	Ø 6,35 mm	Ø 14÷30 mm	1/2"
0712/700	€ 8,00	Shank Hexagonal	Ø 9,5 mm	Ø 14÷30 mm	1/2"
0712/800	€ 12,70	Shank Hexagonal	Ø 11 mm	Ø 32÷152 mm	5/8"



A208B-

MACHINE REAMER

DIN 208 / B, ground for H7 couplings. Right-hand cut, left-hand helical cutting edges, Morse taper attachment. They can be used mainly for through holes but thanks to the short mouth it is also possible to bore blind holes

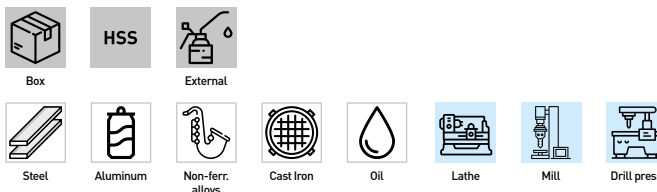


Art.	€	øH7	L	I	MT
A208B/05	€ 21,40	5 mm	133 mm	23 mm	1
A208B/06	€ 23,20	6 mm	138 mm	26 mm	1
A208B/07	€ 23,20	7 mm	150 mm	31 mm	1
A208B/08	€ 24,30	8 mm	156 mm	33 mm	1
A208B/09	€ 24,30	9 mm	162 mm	36 mm	1
A208B/10	€ 26,50	10 mm	168 mm	38 mm	1
A208B/11	€ 26,50	11 mm	175 mm	41 mm	1
A208B/12	€ 27,80	12 mm	182 mm	44 mm	1
A208B/13	€ 27,80	13 mm	182 mm	44 mm	1
A208B/14	€ 29,10	14 mm	189 mm	47 mm	1
A208B/15	€ 33,20	15 mm	204 mm	50 mm	2
A208B/16	€ 33,20	16 mm	210 mm	52 mm	2
A208B/17	€ 34,10	17 mm	214 mm	54 mm	2
A208B/18	€ 34,70	18 mm	219 mm	56 mm	2
A208B/19	€ 35,60	19 mm	223 mm	58 mm	2
A208B/20	€ 39,50	20 mm	228 mm	60 mm	2
A208B/21	€ 41,60	21 mm	232 mm	62 mm	2
A208B/22	€ 45,50	22 mm	237 mm	64 mm	2
A208B/23	€ 50,00	23 mm	241 mm	66 mm	2
A208B/24	€ 51,90	24 mm	268 mm	68 mm	3
A208B/25	€ 56,90	25 mm	268 mm	68 mm	3
A208B/26	€ 59,70	26 mm	273 mm	70 mm	3
A208B/27	€ 66,60	27 mm	277 mm	71 mm	3
A208B/28	€ 72,50	28 mm	277 mm	71 mm	3
A208B/29	€ 74,40	29 mm	281 mm	73 mm	3
A208B/30	€ 79,30	30 mm	281 mm	73 mm	3
A208B/31	€ 83,20	31 mm	285 mm	75 mm	3
A208B/32	€ 87,10	32 mm	317 mm	77 mm	4
A208B/34	€ 116,00	34 mm	321 mm	78 mm	4
A208B/35	€ 121,00	35 mm	321 mm	78 mm	4
A208B/36	€ 126,00	36 mm	325 mm	79 mm	4
A208B/38	€ 140,00	38 mm	329 mm	81 mm	4
A208B/40	€ 152,00	40 mm	329 mm	81 mm	4

A212-

MACHINE REAMER

DIN 212 / B, ground for H7 couplings. Right-hand cut, left-hand helical cutting edges, cylindrical attachment. They can be used mainly for through holes but thanks to the short mouth it is also possible to bore blind holes



Art.	€	øH7	L	I	d h9	Z
A212/02.00	€ 20,20	2 mm	49 mm	11 mm	2 mm	4
A212/02.50	€ 20,20	2,5 mm	57 mm	14 mm	2,5 mm	4
A212/03.00	€ 20,20	3 mm	61 mm	15 mm	3 mm	4
A212/03.50	€ 20,20	3,5 mm	70 mm	18 mm	3,5 mm	6
A212/04.00	€ 13,50	4 mm	75 mm	19 mm	4 mm	6
A212/04.50	€ 13,50	4,5 mm	80 mm	21 mm	4,5 mm	6
A212/05.00	€ 13,50	5 mm	86 mm	23 mm	5 mm	6
A212/05.50	€ 13,50	5,5 mm	93 mm	26 mm	5,5 mm	6
A212/06.00	€ 13,50	6 mm	93 mm	26 mm	6 mm	6
A212/06.50	€ 17,10	6,5 mm	101 mm	28 mm	6,5 mm	6
A212/07.00	€ 17,10	7 mm	109 mm	31 mm	7 mm	6
A212/07.50	€ 17,10	7,5 mm	109 mm	31 mm	7 mm	6
A212/08.00	€ 17,10	8 mm	117 mm	33 mm	8 mm	6
A212/08.50	€ 21,30	8,5 mm	117 mm	33 mm	8 mm	6
A212/09.00	€ 21,30	9 mm	125 mm	36 mm	9 mm	6
A212/09.50	€ 21,30	9,5 mm	125 mm	36 mm	9 mm	6
A212/10.00	€ 21,30	10 mm	133 mm	38 mm	10 mm	6
A212/11.00	€ 24,30	11 mm	142 mm	41 mm	10 mm	6
A212/12.00	€ 33,20	12 mm	151 mm	44 mm	10 mm	6
A212/13.00	€ 33,20	13 mm	151 mm	44 mm	10 mm	6
A212/14.00	€ 40,10	14 mm	160 mm	47 mm	12 mm	6
A212/15.00	€ 40,10	15 mm	162 mm	50 mm	12 mm	8
A212/16.00	€ 40,10	16 mm	170 mm	52 mm	12 mm	8

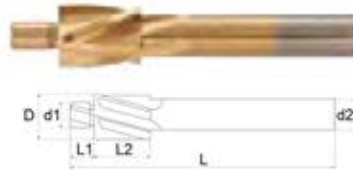




L018-

SOLID CAP SCREW COUNTER BORE BEFORE THREAD GRADE

DIN 373, for pre-drilled threads

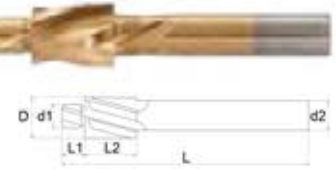


Art.	€	Screw	D	d1	d2	L1	L2	L
L018/03	€ 12,40	M3	6 mm	2,5 mm	5 mm	4 mm	14 mm	71 mm
L018/04	€ 12,40	M4	8 mm	3,3 mm	5 mm	5 mm	14 mm	71 mm
L018/05	€ 12,40	M5	10 mm	4,2 mm	8 mm	6 mm	18 mm	80 mm
L018/06	€ 12,80	M6	11 mm	5,0 mm	8 mm	7 mm	18 mm	80 mm
L018/08	€ 20,80	M8	15 mm	6,8 mm	12,5 mm	9 mm	22 mm	100 mm
L018/10	€ 24,70	M10	18 mm	8,5 mm	12,5 mm	14 mm	22 mm	100 mm
L018/12	€ 26,70	M12	20 mm	10,2 mm	12,5 mm	14 mm	22 mm	100 mm

L019-

SOLID CAP SCREW COUNTER BORE FINE GRADE

DIN 373, for through holes for the execution of precision screws or bolts

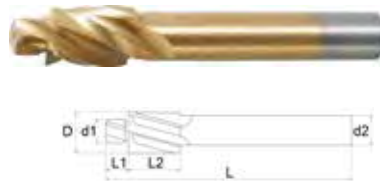
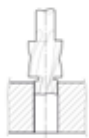


Art.	€	Screw	D	d1	d2	L1	L2	L
L019/03	€ 12,40	M3	6 mm	3,2 mm	5 mm	4 mm	14 mm	71 mm
L019/04	€ 12,40	M4	8 mm	4,3 mm	5 mm	5 mm	14 mm	71 mm
L019/05	€ 12,40	M5	10 mm	5,3 mm	8 mm	6 mm	18 mm	80 mm
L019/06	€ 12,80	M6	11 mm	6,4 mm	8 mm	7 mm	18 mm	80 mm
L019/08	€ 20,80	M8	15 mm	8,4 mm	12,5 mm	9 mm	22 mm	100 mm
L019/10	€ 24,70	M10	18 mm	10,5 mm	12,5 mm	14 mm	22 mm	100 mm
L019/12	€ 26,70	M12	20 mm	13,0 mm	12,5 mm	14 mm	22 mm	100 mm

L020-

COUNTERBORER WITH SOLID PILOT STRAIGHT SHANK MEDIUM TYPE

DIN 373, for through holes



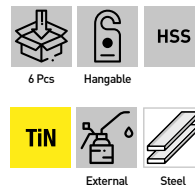
Art.	€	Screw	D	d1	d2	L1	L2	L
L020/03	€ 13,50	M3	6 mm	3,4 mm	5 mm	4 mm	14 mm	71 mm
L020/04	€ 14,60	M4	8 mm	4,5 mm	5 mm	5 mm	14 mm	71 mm
L020/05	€ 15,80	M5	10 mm	5,5 mm	8 mm	6 mm	18 mm	80 mm
L020/06	€ 16,60	M6	11 mm	6,6 mm	8 mm	7 mm	18 mm	80 mm
L020/08	€ 25,30	M8	15 mm	9 mm	12,5 mm	9 mm	22 mm	100 mm
L020/10	€ 28,70	M10	18 mm	11 mm	12,5 mm	14 mm	22 mm	100 mm
L020/12	€ 32,30	M12	20 mm	13,5 mm	12,5 mm	14 mm	22 mm	100 mm

L018S

€ 84,10

SOLID CAP SCREW COUNTER BORE SET BEFORE THREAD

DIN 373, for pre-drilled threads



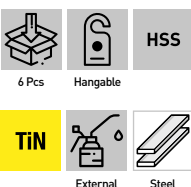
For screws M3, M4, M5, M6, M8, M10, M12

L019S

€ 84,10

SOLID CAP SCREW COUNTER BORE SET FINE GRADE

DIN 373, for through holes for the execution of precision screws or bolts



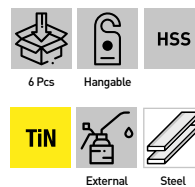
For screws M3, M4, M5, M6, M8, M10, M12

L020S

€ 84,10

SOLID CAP SCREW COUNTER BORE SET MEDIUM GRADE

DIN 373, for through holes

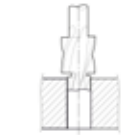


For screws M3, M4, M5, M6, M8, M10

L020 € 98,70

7 PCS COUNTERBORER WITH SOLID PILOT STRAIGHT SHANK

DIN 373, for through holes

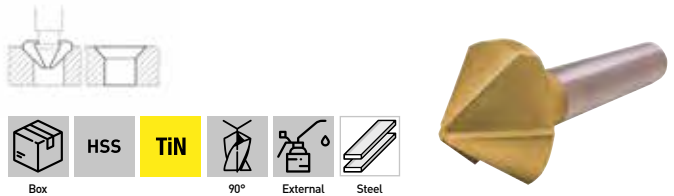


For screws M3, M4, M5, M6, M8, M10, M12

S0X

90° THREE FLUTES COUNTERSINK

DIN 335C, with ground edges and grooves machined from solid, to perform conical countersinks without vibrations.

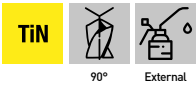


Art.	€	ø max	Screws M	Stem
S006	€ 10,20	6,3 mm	3	Ø 5 mm
S010	€ 12,00	10,4 mm	5	Ø 6 mm
S012	€ 13,80	12,4 mm	6	Ø 8 mm
S016	€ 17,90	16,5 mm	8	Ø 10 mm
S020	€ 21,90	20,5 mm	10	Ø 10 mm
S025	€ 26,20	25 mm	12	Ø 10 mm
S028	€ 33,10	28 mm	14	Ø 12 mm
S031	€ 35,50	31 mm	16	Ø 12 mm
S040	€ 60,00	40 mm	--	Ø 15 mm

S001 € 93,10

90° THREE FLUTES COUNTERSINK SET

DIN 335C, with ground edges and grooves machined from solid, to perform conical countersinks without vibrations.

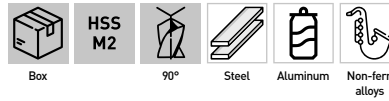
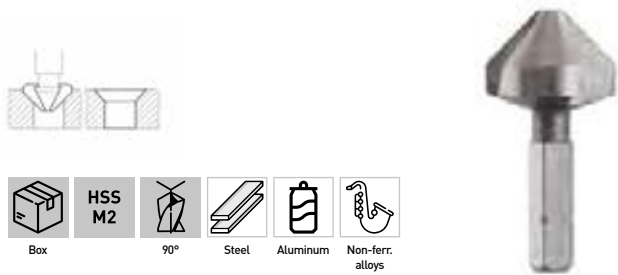


ø max 8 - 10 - 12,4 - 16,5 - 20,5 mm

S026-

COUNTERSINK WITH HEX SHANK

To perform conical countersinks without vibrations.

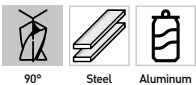


Art.	€	ø	Total length	Shank dimensions
S026/06	€ 9,40	6,3 mm	31 mm	1/4" HEX x 25 mm
S026/08	€ 9,40	8,3 mm	31 mm	1/4" HEX x 25 mm
S026/10	€ 10,30	10,4 mm	34 mm	1/4" HEX x 25 mm
S026/12	€ 10,80	12,4 mm	35 mm	1/4" HEX x 25 mm
S026/16	€ 11,80	16,5 mm	40 mm	1/4" HEX x 25 mm
S026/20	€ 13,70	20,5 mm	41 mm	1/4" HEX x 25 mm

S026/06-20S € 60,20

COUNTERSINK SET WITH HEX SHANK

To perform conical countersinks without vibrations.

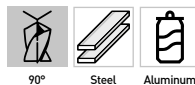


Sizes 6,3 - 8,3 - 10,4 - 12,4 - 16,5 - 20,5 mm
Shank dimensions 1/4" HEX x 25 mm

S026/06-20SM € 73,40

COUNTERSINK SET WITH HEX SHANK

To perform conical countersinks without vibrations. With handle and magnetic extension.



Sizes 6,3 - 8,3 - 10,4 - 12,4 - 16,5 - 20,5 mm
Shank dimensions 1/4" HEX x 25 mm



A014-

TAPER DRILL

With cylindrical shank



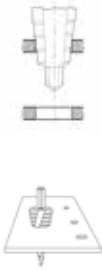
Art.	€	Ø	Total length
A014/03-14	€ 12,50	3 - 14 mm	58 mm
A014/06-20	€ 21,60	6 - 20 mm	63 mm
A014/16-30	€ 38,60	16 - 30,5 mm	72 mm
A014/26-40	€ 71,50	26 - 40 mm	86 mm
A014/36-50	€ 95,90	36 - 50 mm	89 mm
A014/40-61	€ 160,00	40 - 61 mm	94 mm
A014/03-31	€ 45,10	3 - 31 mm	104 mm
A014/03-22	€ 26,80	3 - 22,5 mm	76 mm

F639

€ 78,60

STEP DRILL BITS

For creating and enlarging holes in sheet metal

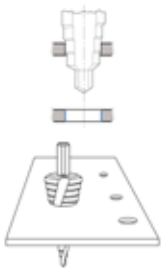


Stem	10 mm
Ø	6 ÷ 39 (6-9-12-15-18-21-24-27-30-33-36-39) mm

F23X

STEP DRILL BITS

For creating and enlarging holes in sheet metal, with interchangeable point.



Art.	€	Stem	Ø
F232	€ 72,40	10 mm	2,5 ÷ 32 (2,5-6,3-11,2-14,5-18,2-22,3-27,9-32) mm
F238	€ 77,50	10 mm	2,5 ÷ 38 (2,5-6,3-13-16-19-21-23-26-29-32-35-38) mm

A014/03-30S

€ 81,30

TAPER DRILLS SET

With cylindrical shank



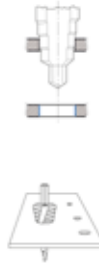
Sizes	3-14 - 6-20 - 16-30,5 mm
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F430

€ 74,40

STEP DRILL BITS SET

For creating and enlarging holes in sheet metal



Stem	6 - 8 - 10 mm
Ø	4 ÷ 12 - 6 ÷ 20 - 6 ÷ 30 mm

F025

€ 6,50

SPARE PART POINT

Suitable with F232 F238

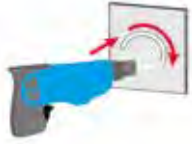


Stem	4 mm
Spare part point	Ø 2,5 mm

P037-

MILLING DRILLS

For drilling and milling of thin materials

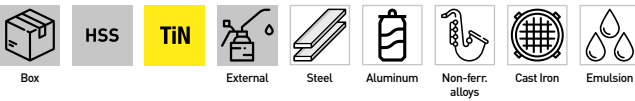


Art.	€	Ø	Stem	Total length
P037/6	€ 2,71	6 mm	6 mm	90 mm
P037/8	€ 4,06	8 mm	8 mm	90 mm

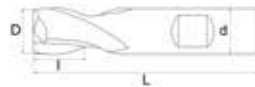
F005-

2 FLUTE STRAIGHT SHANK END MILL

DIN 327/D, for finish, cylindrical shank, weldon connection, normal series



Art.	€	D	d	l	Z	L
F005/03	€ 7,50	3 mm	6 mm	5 mm	2	49 mm
F005/04	€ 7,80	4 mm	6 mm	7 mm	2	51 mm
F005/05	€ 8,80	5 mm	6 mm	8 mm	2	52 mm
F005/06	€ 9,00	6 mm	6 mm	8 mm	2	52 mm
F005/08	€ 10,80	8 mm	10 mm	11 mm	2	61 mm
F005/10	€ 10,90	10 mm	10 mm	13 mm	2	63 mm
F005/12	€ 12,70	12 mm	12 mm	16 mm	2	73 mm

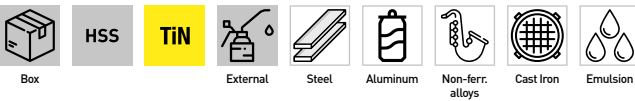


Art.	€	D	d	l	Z	L
F005/14	€ 17,00	14 mm	12 mm	16 mm	2	73 mm
F005/16	€ 25,20	16 mm	16 mm	19 mm	2	79 mm
F005/18	€ 26,20	18 mm	16 mm	19 mm	2	79 mm
F005/20	€ 35,50	20 mm	20 mm	22 mm	2	88 mm
F005/22	€ 44,00	22 mm	20 mm	22 mm	2	88 mm
F005/24	€ 49,90	24 mm	20 mm	26 mm	2	92 mm
F005/25	€ 54,00	25 mm	20 mm	26 mm	2	92 mm

F006-

4 FLUTE STRAIGHT SHANK END MILL

DIN 844 for finish, cylindrical shank, weldon connection, normal series



Art.	€	D	d	l	Z	L
F006/03	€ 7,80	3 mm	6 mm	8 mm	4	52 mm
F006/04	€ 7,80	4 mm	6 mm	11 mm	4	55 mm
F006/05	€ 8,90	5 mm	6 mm	13 mm	4	57 mm
F006/06	€ 9,00	6 mm	6 mm	13 mm	4	57 mm
F006/08	€ 11,30	8 mm	10 mm	19 mm	4	69 mm
F006/10	€ 11,90	10 mm	10 mm	22 mm	4	72 mm

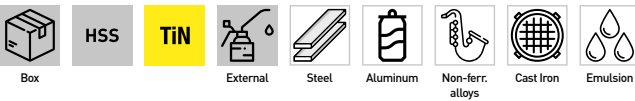


Art.	€	D	d	l	Z	L
F006/12	€ 15,40	12 mm	12 mm	26 mm	4	83 mm
F006/14	€ 15,40	14 mm	12 mm	26 mm	4	83 mm
F006/16	€ 22,60	16 mm	16 mm	32 mm	4	92 mm
F006/18	€ 22,80	18 mm	16 mm	32 mm	4	92 mm
F006/20	€ 31,90	20 mm	20 mm	38 mm	4	104 mm

F007-

4 FLUTE STRAIGHT SHANK ROUGHING END MILL

DIN 844/B, regular length weldon shank center cutting.



Art.	€	D	d	l	Z	L
F007/06	€ 12,70	6 mm	6 mm	13 mm	4	57 mm
F007/07	€ 12,70	7 mm	10 mm	16 mm	4	66 mm
F007/08	€ 14,00	8 mm	10 mm	19 mm	4	69 mm
F007/09	€ 16,30	9 mm	10 mm	19 mm	4	69 mm
F007/10	€ 16,30	10 mm	10 mm	22 mm	4	72 mm
F007/11	€ 16,30	11 mm	12 mm	22 mm	4	76 mm
F007/12	€ 16,30	12 mm	12 mm	26 mm	4	83 mm
F007/13	€ 17,50	13 mm	12 mm	26 mm	4	83 mm



Art.	€	D	d	l	Z	L
F007/14	€ 17,50	14 mm	12 mm	26 mm	4	83 mm
F007/15	€ 22,10	15 mm	12 mm	26 mm	4	83 mm
F007/16	€ 22,10	16 mm	16 mm	32 mm	4	92 mm
F007/18	€ 30,30	18 mm	16 mm	32 mm	4	92 mm
F007/20	€ 41,10	20 mm	20 mm	38 mm	4	104 mm
F007/22	€ 47,10	22 mm	20 mm	38 mm	4	104 mm
F007/25	€ 52,10	25 mm	25 mm	45 mm	4	121 mm



F001/10

€ 228,00

SET FRONTAL ROUGHING END MILLS

DIN 844/B, regular length, center cutting, weldon shank.



Mill	Ø 6 8 10 12 14 16 18 20 22 25 mm
Stem	Ø 6 10 10 12 12 16 16 20 20 25 mm

F001/20

€ 228,00

SET END MILLS

DIN 844/B and DIN 327/D, two and four flute, regular length, weldon shank, center cutting.



2 Flute mill	Ø 3 - 4 - 5 - 6 - 8 - 10 - 12 - 14 - 18 - 20 mm
Stem	Ø 6 - 6 - 6 - 6 - 10 - 10 - 12 - 12 - 16 - 20 mm
4 Flute mill	Ø 3 - 4 - 5 - 6 - 8 - 10 - 12 - 14 - 18 - 20 mm
Stem	Ø 6 - 6 - 6 - 6 - 10 - 10 - 12 - 12 - 16 - 20 mm



HARD METAL ROTARY MILLING MACHINES

Cut type	Representation	Description
Standard Cut		Suitable for cutting steel, hardened steel, cast iron, weld seams and metal materials in general.
Cross cut		Suitable for treated steel, stainless steel, metal materials in general. Thanks to this type of cut, vibrations are considerably reduced.
Aluminium cutting		Suitable for aluminium, magnesium, plastics and hard rubber.

TYOLOGIES OF SHAPES AND THEIR USE

Cylindrical without frontal cut 	Cylindrical with frontal cut 	Spoked head cylinder 	Spherical
Oval 	Ogive with rounded tip 	Ogive 	With spoked lance
Spoked tip conical 	Conical pointed 	Conical Trunk 	90° conical
60° conical 			

AXSC SINGLE CUT ROTARY BURRS

Box

HM

Steel

Cast Iron

Dry

Axial grinder

Art.	€	D1	L1	D2	L2
A02SC3	€ 4,45	ø2 mm	10 mm	3 mm	38 mm
A06SC6	€ 12,40	ø6 mm	16 mm	6 mm	61 mm
A08SC6	€ 13,90	ø8 mm	20 mm	6 mm	65 mm
A10SC6	€ 17,30	ø10 mm	20 mm	6 mm	65 mm
A12SC6	€ 25,30	ø12 mm	25 mm	6 mm	70 mm
A16SC6	€ 39,50	ø16 mm	25 mm	6 mm	70 mm

AXDC DIAMOND CUT ROTARY BURRS

Box

HM

Steel

Stainless steel

Cast Iron

Dry

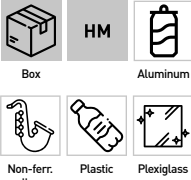
Art.	€	D1	L1	D2	L2
A02DC3	€ 4,45	ø2 mm	10 mm	3 mm	38 mm
A06DC6	€ 12,40	ø6 mm	16 mm	6 mm	61 mm
A08DC6	€ 13,90	ø8 mm	20 mm	6 mm	65 mm
A10DC6	€ 17,30	ø10 mm	20 mm	6 mm	65 mm
A12DC6	€ 25,30	ø12 mm	25 mm	6 mm	70 mm
A16DC6	€ 39,50	ø16 mm	25 mm	6 mm	70 mm



A12AL6

€ 29,20

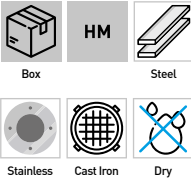
ROTARY BURRS FOR ALUMINIUM



D1	ø12 mm
L1	25 mm
D2	6 mm
L2	70 mm

BXDC

DIAMOND CUT ROTARY BURRS



Art.	€	D1	L1	D2	L2
B02DC3	€ 4,45	ø2 mm	10 mm	3 mm	38 mm
B03DC3	€ 4,45	ø3 mm	13 mm	3 mm	38 mm
B04DC3	€ 9,40	ø4 mm	13 mm	3 mm	41 mm
B04DC6	€ 9,90	ø4 mm	13 mm	6 mm	58 mm
B06DC6	€ 12,40	ø6 mm	16 mm	6 mm	61 mm
B08DC6	€ 13,90	ø8 mm	20 mm	6 mm	65 mm
B10DC6	€ 17,30	ø10 mm	20 mm	6 mm	65 mm
B12DC6	€ 25,30	ø12 mm	25 mm	6 mm	70 mm
B16DC6	€ 39,50	ø16 mm	25 mm	6 mm	70 mm
B19DC6	€ 57,40	ø19 mm	25 mm	6 mm	70 mm
B22DC6	€ 88,10	ø22 mm	25 mm	6 mm	70 mm
B25DC6	€ 102,00	ø25 mm	25 mm	6 mm	70 mm

BXSCXL

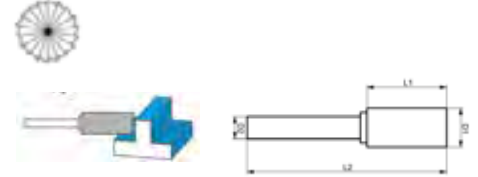
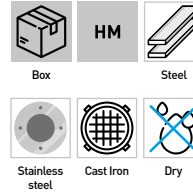
SINGLE CUT LONG ROTARY BURRS



Art.	€	D1	L1	D2	L2
B02SC3L	€ 5,80	ø2 mm	10 mm	3 mm	65 mm
B03SC3L	€ 5,80	ø3 mm	13 mm	3 mm	65 mm
B08SC6L	€ 17,80	ø8 mm	20 mm	6 mm	120 mm
B10SC6L	€ 22,30	ø10 mm	20 mm	6 mm	120 mm
B12SC6L	€ 27,20	ø12 mm	25 mm	6 mm	120 mm

BXSC

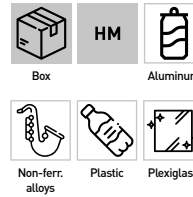
SINGLE CUT ROTARY BURRS



Art.	€	D1	L1	D2	L2
B02SC3	€ 4,45	ø2 mm	10 mm	3 mm	38 mm
B03SC3	€ 4,45	ø3 mm	13 mm	3 mm	38 mm
B04SC3	€ 9,40	ø4 mm	13 mm	3 mm	41 mm
B04SC6	€ 9,90	ø4 mm	13 mm	6 mm	58 mm
B06SC6	€ 12,40	ø6 mm	16 mm	6 mm	61 mm
B08SC6	€ 13,90	ø8 mm	20 mm	6 mm	65 mm
B10SC6	€ 17,30	ø10 mm	20 mm	6 mm	65 mm
B12SC6	€ 25,30	ø12 mm	25 mm	6 mm	70 mm
B16SC6	€ 39,50	ø16 mm	25 mm	6 mm	70 mm

BXAL

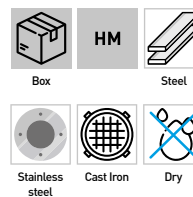
ROTARY BURRS FOR ALUMINIUM



Art.	€	D1	L1	D2	L2
B06AL6	€ 14,40	ø6 mm	16 mm	6 mm	61 mm
B08AL6	€ 16,40	ø8 mm	20 mm	6 mm	65 mm
B10AL6	€ 19,80	ø10 mm	20 mm	6 mm	65 mm
B12AL6	€ 28,70	ø12 mm	25 mm	6 mm	70 mm

BXDCXL

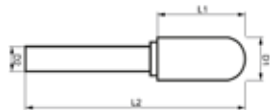
CARBIDE ROTARY BURRS



Art.	€	D1	L1	D2	L2
B02DC3L	€ 5,80	ø2 mm	10 mm	3 mm	65 mm
B03DC3L	€ 5,80	ø3 mm	13 mm	3 mm	65 mm
B08DC6L	€ 17,80	ø8 mm	20 mm	6 mm	120 mm
B10DC6L	€ 22,30	ø10 mm	20 mm	6 mm	120 mm
B12DC6L	€ 27,20	ø12 mm	25 mm	6 mm	120 mm

CXSC

SINGLE CUT ROTARY BURRS



Art.	€	D1	L1	D2	L2
C02SC3	€ 4,45	ø2 mm	10 mm	3 mm	38 mm
C03SC3	€ 4,45	ø3 mm	13 mm	3 mm	38 mm
C04SC3	€ 9,40	ø4 mm	13 mm	3 mm	58 mm
C04SC6	€ 9,90	ø4 mm	13 mm	6 mm	58 mm
C06SC6	€ 12,40	ø6 mm	16 mm	6 mm	61 mm
C08SC6	€ 13,90	ø8 mm	20 mm	6 mm	65 mm
C10SC6	€ 17,30	ø10 mm	20 mm	6 mm	65 mm
C12SC6	€ 25,30	ø12 mm	25 mm	6 mm	70 mm
C16SC6	€ 39,50	ø16 mm	25 mm	6 mm	70 mm

CXAL

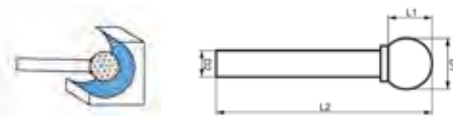
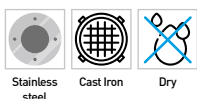
ROTARY BURRS FOR ALUMINIUM



Art.	€	D1	L1	D2	L2
C06AL6	€ 13,90	ø6 mm	16 mm	6 mm	61 mm
C08AL6	€ 16,40	ø8 mm	20 mm	6 mm	65 mm
C10AL6	€ 19,80	ø10 mm	20 mm	6 mm	65 mm
C12AL6	€ 28,70	ø12 mm	25 mm	6 mm	70 mm

DXDC

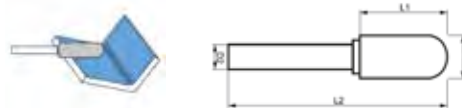
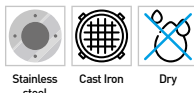
DIAMOND CUT ROTARY BURRS



Art.	€	D1	L1	D2	L2
D03DC3	€ 4,45	ø3 mm	2.7 mm	3 mm	38 mm
D04DC6	€ 9,90	ø4 mm	3.6 mm	6 mm	38 mm
D06DC6	€ 9,90	ø6 mm	5.4 mm	6 mm	50 mm
D08DC6	€ 10,90	ø8 mm	7.2 mm	6 mm	52 mm
D10DC6	€ 14,40	ø10 mm	9 mm	6 mm	54 mm
D12DC6	€ 20,30	ø12 mm	10.8 mm	6 mm	56 mm
D16DC6	€ 27,70	ø16 mm	14.4 mm	6 mm	60 mm
D19DC6	€ 57,40	ø19 mm	17.4 mm	6 mm	64 mm

CXDC

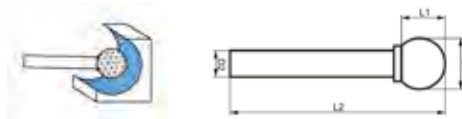
DIAMOND CUT ROTARY BURRS



Art.	€	D1	L1	D2	L2
C02DC3	€ 4,45	ø2 mm	10 mm	3 mm	38 mm
C03DC3	€ 4,45	ø3 mm	13 mm	3 mm	38 mm
C04DC3	€ 9,40	ø4 mm	13 mm	3 mm	38 mm
C04DC6	€ 9,90	ø4 mm	13 mm	6 mm	38 mm
C06DC6	€ 12,40	ø6 mm	16 mm	6 mm	61 mm
C08DC6	€ 13,90	ø8 mm	20 mm	6 mm	65 mm
C10DC6	€ 17,30	ø10 mm	20 mm	6 mm	65 mm
C12DC6	€ 25,30	ø12 mm	25 mm	6 mm	70 mm
C16DC6	€ 39,50	ø16 mm	25 mm	6 mm	70 mm
C19DC6	€ 57,40	ø19 mm	25 mm	6 mm	70 mm
C22DC6	€ 88,10	ø22 mm	25 mm	6 mm	70 mm
C25DC6	€ 102,00	ø25 mm	25 mm	6 mm	70 mm

DXSC

SINGLE CUT ROTARY BURRS



Art.	€	D1	L1	D2	L2
D03SC3	€ 4,45	ø3 mm	2.7 mm	3 mm	38 mm
D04SC6	€ 9,90	ø4 mm	3.6 mm	6 mm	38 mm
D06SC6	€ 9,90	ø6 mm	5.4 mm	6 mm	50 mm
D08SC6	€ 10,90	ø8 mm	7.2 mm	6 mm	52 mm
D10SC6	€ 14,40	ø10 mm	9 mm	6 mm	54 mm
D12SC6	€ 20,30	ø12 mm	10.8 mm	6 mm	56 mm
D16SC6	€ 27,70	ø16 mm	14.4 mm	6 mm	60 mm

DXAL

ROTARY BURRS FOR ALUMINIUM

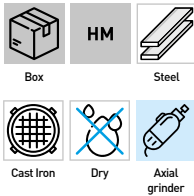


Art.	€	D1	L1	D2	L2
D06AL6	€ 11,40	ø6 mm	5.4 mm	6 mm	50 mm
D08AL6	€ 11,90	ø8 mm	7.2 mm	6 mm	52 mm
D10AL6	€ 16,90	ø10 mm	9 mm	6 mm	54 mm



EXSC

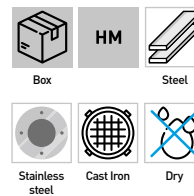
SINGLE CUT ROTARY BURRS



Art.	€	D1	L1	D2	L2
E08SC6	€ 13,90	ø8 mm	13 mm	6 mm	58 mm
E10SC6	€ 17,30	ø10 mm	16 mm	6 mm	61 mm
E12SC6	€ 25,30	ø12 mm	20 mm	6 mm	65 mm
E16SC6	€ 39,50	ø16 mm	25 mm	6 mm	70 mm

EXDC

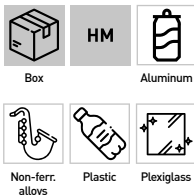
DIAMOND CUT ROTARY BURRS



Art.	€	D1	L1	D2	L2
E08DC6	€ 13,90	ø8 mm	13 mm	6 mm	58 mm
E10DC6	€ 17,30	ø10 mm	16 mm	6 mm	61 mm
E12DC6	€ 25,30	ø12 mm	20 mm	6 mm	65 mm
E16DC6	€ 39,50	ø16 mm	25 mm	6 mm	70 mm

EXAL

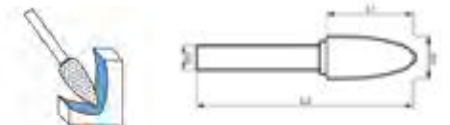
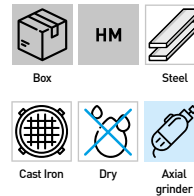
ROTARY BURRS FOR ALUMINIUM



Art.	€	D1	L1	D2	L2
E10AL6	€ 19,80	10 mm	16 mm	6 mm	61 mm
E12AL6	€ 29,20	12 mm	20 mm	6 mm	65 mm

FXSC

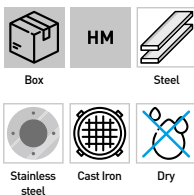
SINGLE CUT ROTARY BURRS



Art.	€	D1	D2	L1	L2
F03SC3	€ 4,45	ø3 mm	13 mm	3 mm	38 mm
F06SC6	€ 12,40	ø6 mm	18 mm	6 mm	63 mm
F08SC6	€ 13,90	ø8 mm	20 mm	6 mm	65 mm
F10SC6	€ 17,30	ø10 mm	20 mm	6 mm	65 mm
F12SC6	€ 25,30	ø12 mm	25 mm	6 mm	70 mm

FXDC

DIAMOND CUT ROTARY BURRS



Art.	€	D1	D2	L1	L2
F03DC3	€ 4,45	ø3 mm	13 mm	3 mm	38 mm
F06DC6	€ 12,40	ø6 mm	18 mm	6 mm	63 mm
F08DC6	€ 13,90	ø8 mm	20 mm	6 mm	65 mm
F10DC6	€ 17,30	ø10 mm	20 mm	6 mm	65 mm
F12DC6	€ 25,30	ø12 mm	25 mm	6 mm	70 mm
F16DC6	€ 39,50	ø16 mm	25 mm	6 mm	70 mm
F19DC6	€ 57,40	ø19 mm	25 mm	6 mm	70 mm

FXAL

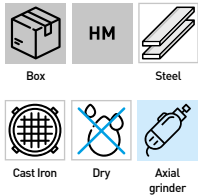
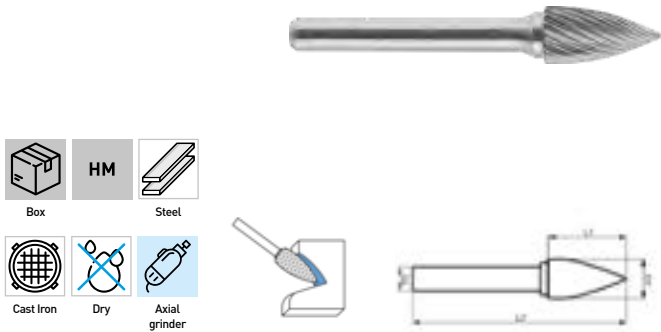
ROTARY BURRS FOR ALUMINIUM



Art.	€	D1	L1	D2	L2
F10AL6	€ 19,80	ø10 mm	20 mm	6 mm	65 mm
F12AL6	€ 29,20	ø12 mm	25 mm	6 mm	70 mm

GXSC

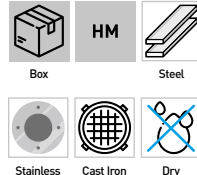
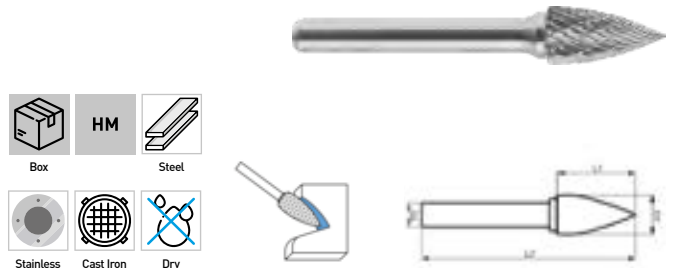
SINGLE CUT ROTARY BURRS



Art.	€	D1	L1	D2	L2
G03SC3	€ 4,45	ø3 mm	13 mm	3 mm	38 mm
G06SC6	€ 12,40	ø6 mm	18 mm	6 mm	65 mm
G10SC6	€ 17,30	ø10 mm	20 mm	6 mm	65 mm
G12SC6	€ 25,30	ø12 mm	25 mm	6 mm	70 mm

GXDC

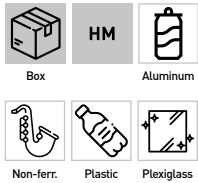
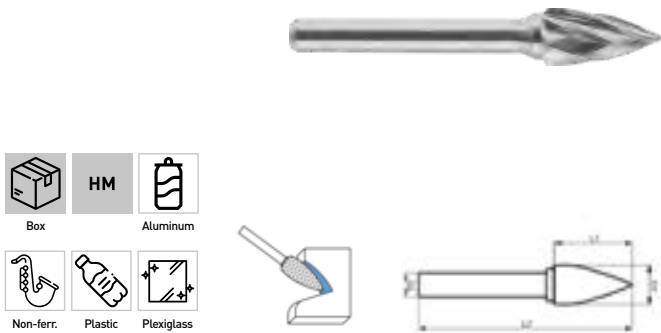
DIAMOND CUT ROTARY BURRS



Art.	€	D1	L1	D2	L2
G03DC3	€ 4,45	ø3 mm	13 mm	3 mm	38 mm
G06DC6	€ 12,40	ø6 mm	18 mm	6 mm	65 mm
G10DC6	€ 17,30	ø10 mm	20 mm	6 mm	65 mm
G12DC6	€ 25,30	ø12 mm	25 mm	6 mm	70 mm
G16DC6	€ 39,50	ø16 mm	25 mm	6 mm	70 mm
G19DC6	€ 57,40	ø19 mm	25 mm	6 mm	70 mm

GXAL

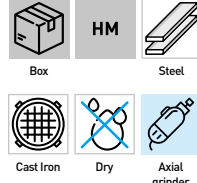
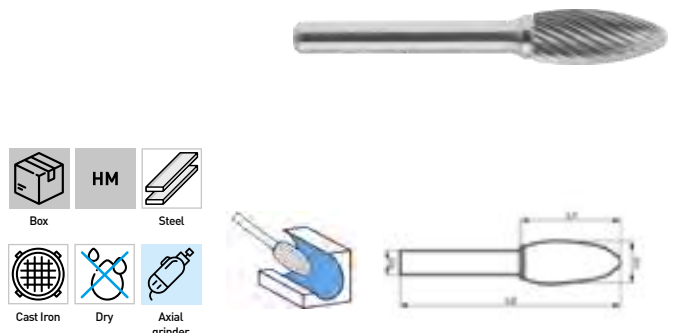
ROTARY BURRS FOR ALUMINIUM



Art.	€	D1	L1	D2	L2
G10AL6	€ 19,80	ø10 mm	20 mm	6 mm	65 mm
G12AL6	€ 29,20	ø12 mm	25 mm	6 mm	70 mm

HXSC

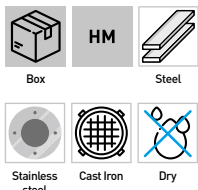
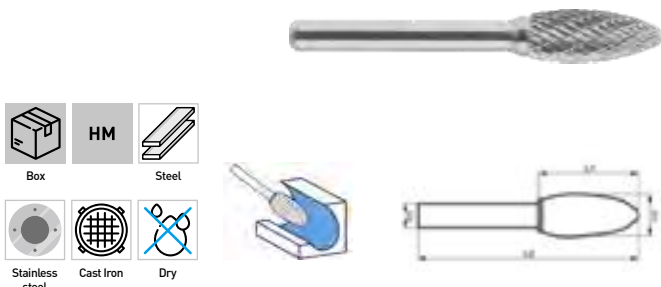
SINGLE CUT ROTARY BURRS



Art.	€	D1	L1	D2	L2
H08SC6	€ 13,40	ø8 mm	20 mm	6 mm	65 mm
H10SC6	€ 15,30	ø10 mm	25 mm	6 mm	70 mm
H12SC6	€ 28,70	ø12 mm	32 mm	6 mm	77 mm

HXDC

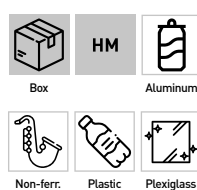
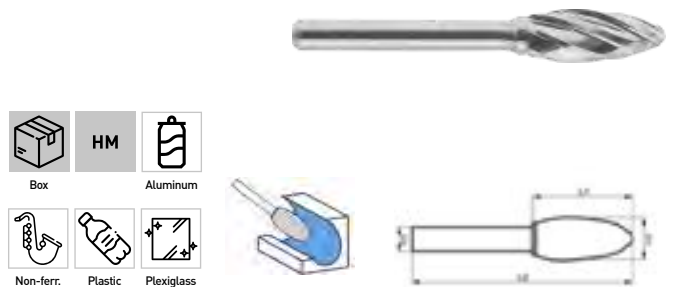
DIAMOND CUT ROTARY BURRS



Art.	€	D1	D2	L1	L2
H06DC6	€ 12,40	ø6 mm	16 mm	6 mm	61 mm
H08DC6	€ 13,40	ø8 mm	20 mm	6 mm	65 mm
H10DC6	€ 15,30	ø10 mm	25 mm	6 mm	70 mm
H12DC6	€ 28,70	ø12 mm	32 mm	6 mm	77 mm

HXAL

ROTARY BURRS FOR ALUMINIUM

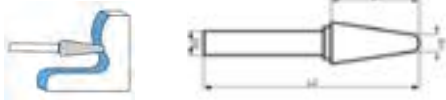
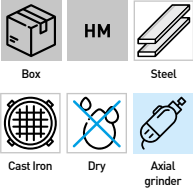


Art.	€	D1	D2	L1	L2
H08AL6	€ 15,30	ø8 mm	20 mm	6 mm	65 mm
H10AL6	€ 19,80	ø10 mm	25 mm	6 mm	70 mm
H12AL6	€ 33,60	ø12 mm	32 mm	6 mm	77 mm



LXSC

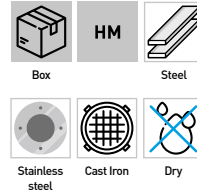
SINGLE CUT ROTARY BURRS



Art.	€	D1	L1	D2	L2
L03SC3	€ 4,45	ø3 mm	13 mm	3 mm	38 mm
L06SC6	€ 12,40	ø6 mm	16 mm	6 mm	61 mm

LXDC

DIAMOND CUT ROTARY BURRS

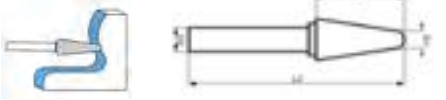
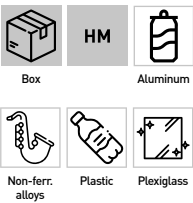


Art.	€	D1	L1	D2	L2
L03DC3	€ 4,45	ø3 mm	13 mm	3 mm	38 mm
L06DC6	€ 12,40	ø6 mm	16 mm	6 mm	61 mm
L08DC6	€ 14,80	ø8 mm	22 mm	6 mm	65 mm
L10DC6	€ 18,80	ø10 mm	25 mm	6 mm	70 mm
L12DC6	€ 25,30	ø12 mm	25 mm	6 mm	70 mm

L10AL6

€ 19,80

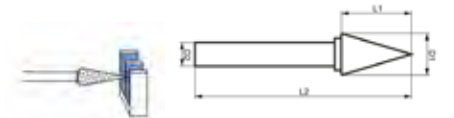
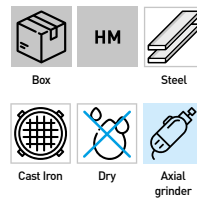
ROTARY BURRS FOR ALUMINIUM



D1	ø10 mm
L1	25 mm
D2	6 mm
L2	70 mm

MXSC

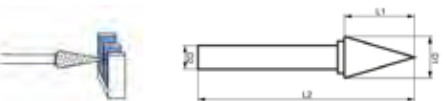
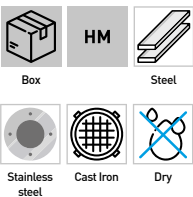
SINGLE CUT ROTARY BURRS



Art.	€	D1	L1	D2	L2
M08SC6	€ 13,90	ø8 mm	20 mm	6 mm	65 mm
M10SC6	€ 17,80	ø10 mm	20 mm	6 mm	65 mm
M12SC6	€ 25,30	ø12 mm	25 mm	6 mm	70 mm

MXDC

DIAMOND CUT ROTARY BURRS

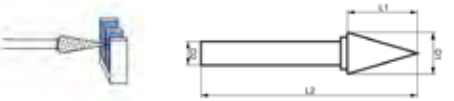
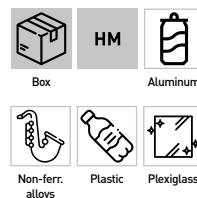


Art.	€	D1	L1	D2	L2
M03DC3	€ 4,45	ø3 mm	11 mm	3 mm	38 mm
M03DC6	€ 8,30	ø3 mm	11 mm	6 mm	38 mm
M06DC6	€ 12,40	ø6 mm	18 mm	6 mm	60 mm
M08DC6	€ 13,90	ø8 mm	20 mm	6 mm	65 mm
M10DC6	€ 17,80	ø10 mm	20 mm	6 mm	65 mm
M12DC6	€ 25,30	ø12 mm	25 mm	6 mm	70 mm
M16DC6	€ 39,50	ø16 mm	25 mm	6 mm	70 mm

M10AL6

€ 18,80

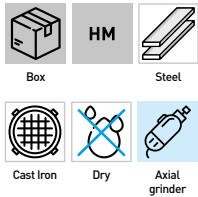
ROTARY BURRS FOR ALUMINIUM



D1	ø10 mm
L1	20 mm
D2	6 mm
L2	65 mm

NXSC

SINGLE CUT ROTARY BURRS

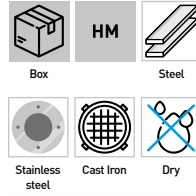


Art.	€	D1	L1	D2	L2
N12SC6	€ 25,30	ø12 mm	13 mm	6 mm	58 mm
N16SC6	€ 35,60	ø16 mm	16 mm	6 mm	58 mm

N12DC6

€ 25,30

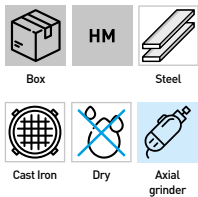
DIAMOND CUT ROTARY BURRS



D1	ø12 mm
L1	13 mm
D2	6 mm
L2	58 mm

JXSC

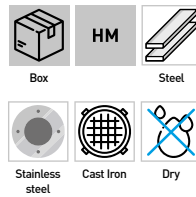
SINGLE CUT ROTARY BURRS



Art.	€	D1	L1	D2	L2
J03SC3	€ 4,45	ø3 mm	2.5 mm	3 mm	38 mm
J06SC6	€ 12,40	ø6 mm	5.2 mm	6 mm	54 mm
J10SC6	€ 17,30	ø10 mm	8 mm	6 mm	58 mm
J16SC6	€ 39,50	ø16 mm	13 mm	6 mm	62 mm

JXDC

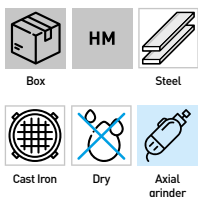
DIAMOND CUT ROTARY BURRS



Art.	€	D1	L1	D2	L2
J03DC3	€ 4,45	ø3 mm	2.5 mm	3 mm	38 mm
J06DC6	€ 12,40	ø6 mm	5.2 mm	6 mm	54 mm
J10DC6	€ 17,30	ø10 mm	8 mm	6 mm	58 mm
J16DC6	€ 39,50	ø16 mm	13 mm	6 mm	62 mm

KXSC

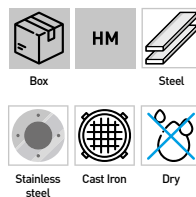
SINGLE CUT ROTARY BURRS



Art.	€	D1	L1	D2	L2
K10SC6	€ 17,30	ø10 mm	5 mm	6 mm	54 mm
K16SC6	€ 35,60	ø16 mm	8 mm	6 mm	58 mm

KXDC

DIAMOND CUT ROTARY BURRS



Art.	€	D1	L1	D2	L2
K10DC6	€ 17,30	ø10 mm	5 mm	6 mm	54 mm
K16DC6	€ 35,60	ø16 mm	8 mm	6 mm	58 mm

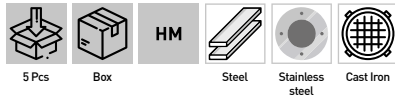


F008DC

€ 64,30

HARD METAL ROTARY BURR SET

With diamond cut.



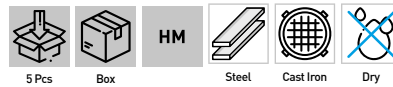
Sizes	10 x 20 mm
Type	B, C, D, G, M
Stem	6 mm

F008SC

€ 64,30

HARD METAL ROTARY BURR SET

With single cut.

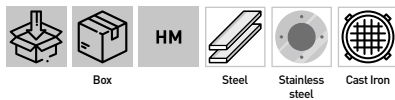


Sizes	10 x 20 mm
Type	B, C, D, G, M
Stem	6 mm

F008-

CARBIDE ROTARY FILE SET

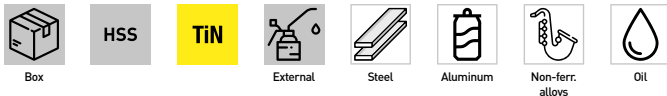
Cross cut



Art.	€	Stem
F008/3	€ 60,00	Ø 3 mm
F008/6	€ 102,00	Ø 6 mm



C003-
DISC TYPE GEAR SHAPER CUTTER

 DIN 1829, nominal ϕ 100 mm hole 44,45 mm 20° angle pressure class a.


Art.	€	Module	ϕ max	ϕ d0	Height b1	Teeth
C003/1	€ 328,00	1,00	102 mm	100 mm	16 mm	100
C003/1.25	€ 328,00	1,25	105 mm	100 mm	16 mm	80
C003/1.50	€ 356,00	1,50	107 mm	102 mm	18 mm	68
C003/1.75	€ 385,00	1,75	107,4 mm	101,5 mm	20 mm	58
C003/2	€ 385,00	2,00	107,31 mm	100 mm	20 mm	50
C003/2.25	€ 385,00	2,25	109,29 mm	101,25 mm	20 mm	45
C003/2.50	€ 440,00	2,50	108,46 mm	100 mm	20 mm	40
C003/2.75	€ 440,00	2,75	108,36 mm	99 mm	24 mm	36
C003/3	€ 440,00	3,00	111,82 mm	99 mm	24 mm	33
C003/3.25	€ 483,00	3,25	110,99 mm	99 mm	24 mm	31
C003/3.50	€ 483,00	3,50	108,72 mm	101,5 mm	24 mm	29
C003/3.75	€ 483,00	3,75	112,35 mm	101,5 mm	24 mm	27
C003/4	€ 483,00	4,00	111,75 mm	100 mm	24 mm	25
C003/4.25	€ 514,00	4,25	114,12 mm	102 mm	24 mm	24
C003/4.50	€ 514,00	4,50	111,65 mm	99 mm	24 mm	22
C003/5	€ 524,00	5,00	114,05 mm	100 mm	24 mm	20
C003/5.50	€ 556,00	5,50	119,96 mm	99 mm	24 mm	18
C003/6	€ 556,00	6,00	118,86 mm	102 mm	24 mm	17
C003/6.50	€ 697,00	6,50	122,5 mm	112 mm	24 mm	16
C003/7	€ 811,00	7,00	127 mm	105 mm	24 mm	15
C003/8	€ 911,00	8,00	135 mm	112 mm	24 mm	14
C003/10	€ 1250,00	10,00	168 mm	140 mm	24 mm	14

C001-
GEAR HOB 20° PRESSURE ANGLE

DIN 8002/B, ground profile class a.



Art.	€	Module	Diameter ϕ	Length	Hole
C001/1	€ 362,00	1,00	50 mm	31 mm	22 mm
C001/1.25	€ 362,00	1,25	50 mm	31 mm	22 mm
C001/1.50	€ 362,00	1,50	53 mm	50 mm	22 mm
C001/1.75	€ 362,00	1,75	56 mm	38 mm	22 mm
C001/2	€ 373,00	2,00	63 mm	46 mm	27 mm
C001/2.25	€ 431,00	2,25	70 mm	56 mm	27 mm
C001/2.50	€ 431,00	2,50	71 mm	63 mm	27 mm
C001/2.75	€ 431,00	2,75	70 mm	56 mm	27 mm
C001/3	€ 524,00	3,00	80 mm	71 mm	32 mm
C001/3.25	€ 611,00	3,25	80 mm	69 mm	32 mm
C001/3.50	€ 636,00	3,50	80 mm	71 mm	32 mm
C001/3.75	€ 729,00	3,75	90 mm	78 mm	32 mm
C001/4	€ 729,00	4,00	90 mm	78 mm	32 mm
C001/4.25	€ 794,00	4,25	90 mm	78 mm	32 mm
C001/4.50	€ 794,00	4,50	90 mm	78 mm	32 mm
C001/5	€ 794,00	5,00	100 mm	88 mm	32 mm
C001/5.50	€ 794,00	5,50	100 mm	88 mm	32 mm
C001/6	€ 1050,00	6,00	110 mm	108 mm	40 mm
C001/6.50	€ 1110,00	6,50	110 mm	109 mm	40 mm
C001/7	€ 1110,00	7,00	110 mm	110 mm	40 mm
C001/8	€ 1750,00	8,00	125 mm	130 mm	40 mm
C001/9	€ 1990,00	9,00	125 mm	140 mm	40 mm
C001/10	€ 2690,00	10,00	140 mm	160 mm	40 mm
C001/12	€ 3860,00	12,00	170 mm	195 mm	50 mm
C001/13	€ 4060,00	13,00	180 mm	210 mm	50 mm



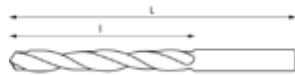
P049-

MASONRY DRILL

DIN 8039, short series, cylindrical attachment, carbide tipped for masonry drill



C45



Bricks

Concrete

Stones

Ceramic

Drywall

Percussion

Portable Drill

Art.	€	ø	L	l	Stem	Pack
P049/03	€ 0,41	3 mm	70 mm	40 mm	ø 2,5 mm	10
P049/04	€ 0,43	4 mm	75 mm	40 mm	ø 3,5 mm	10
P049/05	€ 0,47	5 mm	85 mm	40 mm	ø 4,5 mm	10
P049/06	€ 0,53	6 mm	100 mm	55 mm	ø 4,5 mm	10
P049/07	€ 0,76	7 mm	100 mm	55 mm	ø 6,5 mm	10
P049/08	€ 0,83	8 mm	120 mm	70 mm	ø 6,5 mm	10
P049/09	€ 0,97	9 mm	120 mm	70 mm	ø 6,5 mm	10
P049/10	€ 1,10	10 mm	120 mm	70 mm	ø 7 mm	10
P049/11	€ 1,85	11 mm	150 mm	90 mm	ø 7 mm	10
P049/12	€ 1,87	12 mm	150 mm	90 mm	ø 9 mm	10
P049/13	€ 2,11	13 mm	150 mm	90 mm	ø 9 mm	5
P049/14	€ 2,38	14 mm	150 mm	90 mm	ø 11 mm	5
P049/15	€ 3,08	15 mm	150 mm	90 mm	ø 12 mm	5
P049/16	€ 3,11	16 mm	150 mm	90 mm	ø 12 mm	5
P049/18	€ 5,60	18 mm	160 mm	100 mm	ø 13 mm	5
P049/22	€ 8,00	22 mm	160 mm	100 mm	ø 13 mm	5
P049/24	€ 9,50	24 mm	160 mm	100 mm	ø 13 mm	5

P051-

CARBIDE DRILL FOR GRANITE AND MARBLE

DIN 8039, cylindrical attachment, specific for drilling marble and granite with hard metal insert for rotary percussion



C45

HM



Granite

Marble

Percussion

Portable Drill

Art.	€	ø	L	l	Stem	Pack
P051/03	€ 2,74	3 mm	70 mm	40 mm	ø 2,5 mm	10
P051/04	€ 2,77	4 mm	75 mm	40 mm	ø 3,5 mm	10
P051/05	€ 3,09	5 mm	85 mm	40 mm	ø 4,5 mm	10
P051/06	€ 3,39	6 mm	100 mm	55 mm	ø 5,5 mm	10
P051/07	€ 3,39	7 mm	100 mm	55 mm	ø 5,5 mm	10
P051/08	€ 3,80	8 mm	120 mm	70 mm	ø 6,5 mm	5
P051/09	€ 4,05	9 mm	120 mm	70 mm	ø 8 mm	5
P051/10	€ 4,72	10 mm	120 mm	70 mm	ø 9 mm	5
P051/12	€ 5,50	12 mm	150 mm	90 mm	ø 10 mm	5
P051/14	€ 7,00	14 mm	150 mm	90 mm	ø 12 mm	5
P051/16	€ 7,90	16 mm	150 mm	90 mm	ø 12 mm	5

P050-

MASONRY DRILL

DIN 8039, long series, cylindrical attachment, carbide tipped for masonry drill



C45



Bricks

Concrete

Stones

Ceramic

Drywall

Percussion

Portable Drill

Art.	€	ø	L	l	Stem	Pack
P050/06	€ 1,99	6 mm	400 mm	240 mm	ø 4,5 mm	5
P050/08	€ 2,32	8 mm	400 mm	240 mm	ø 7 mm	5
P050/09	€ 2,84	9 mm	400 mm	240 mm	ø 7 mm	5
P050/10	€ 3,39	10 mm	400 mm	240 mm	ø 7 mm	5
P050/12	€ 4,72	12 mm	400 mm	240 mm	ø 9 mm	5
P050/14	€ 5,70	14 mm	400 mm	240 mm	ø 10 mm	5
P050/16	€ 6,40	16 mm	400 mm	240 mm	ø 12 mm	5
P050/18	€ 7,80	18 mm	400 mm	240 mm	ø 12,5 mm	5
P050/20	€ 9,90	20 mm	400 mm	240 mm	ø 12,5 mm	5

P063-

CARBIDE TIPPED SDS PLUS SHANK TYPE HAMMER TWIST DRILL

2 edges, with attack sds plus, double helix to facilitate the release of debris, with hard metal insert



HM

40 Cr



Bricks

Concrete

Stones

Ceramic

Drywall

Percussion

Portable Drill

Art.	€	Size	Pack
P063/5110	€ 3,17	5 x 110 mm	10
P063/6110	€ 3,17	6 x 110 mm	10
P063/6160	€ 3,17	6 x 160 mm	10
P063/8110	€ 3,17	8 x 110 mm	10
P063/8160	€ 3,17	8 x 160 mm	10
P063/9160	€ 3,17	9 x 160 mm	10
P063/10160	€ 3,81	10 x 160 mm	10
P063/12160	€ 3,81	12 x 160 mm	10
P063/12300	€ 4,43	12 x 300 mm	10
P063/14160	€ 4,43	14 x 160 mm	10
P063/14300	€ 4,43	14 x 300 mm	10
P063/15160	€ 5,10	15 x 160 mm	10
P063/16160	€ 5,10	16 x 160 mm	10
P063/16300	€ 5,10	16 x 300 mm	10
P063/16450	€ 9,50	16 x 450 mm	5
P063/18160	€ 7,00	18 x 160 mm	5
P063/18300	€ 7,00	18 x 300 mm	5
P063/18450	€ 10,40	18 x 450 mm	5
P063/20160	€ 7,00	20 x 160 mm	5
P063/20450	€ 10,40	20 x 450 mm	5
P063/22450	€ 12,30	22 x 450 mm	5
P063/24450	€ 13,90	24 x 450 mm	5



0332

€ 33,90

CARBIDE TIPPED HAMMER TWIST DRILL AND CHISEL SET

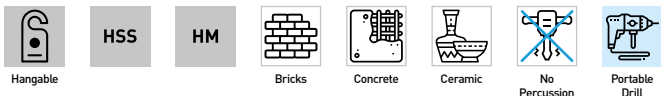
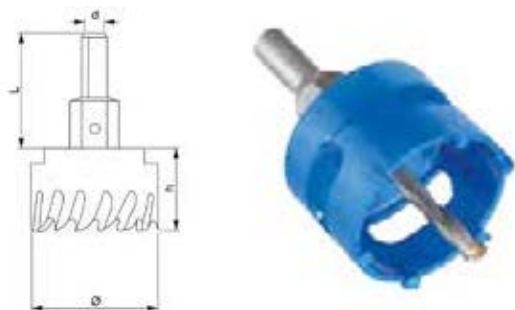
With attack sds plus, consisting of 9 twist drills: Ø4 x 110mm Ø5 x 110mm Ø6 x 110mm Ø5 x 160mm Ø6 x 160mm Ø8 x 160mm Ø9 x 160mm Ø10 x 160mm Ø12 x 160mm, 1 bit holder, 1 flat chisel and 1 point chisel.



P076-

CARBIDE TIPPED MASONRY CORE DRILL BIT HOLE SAW

For drilling medium and large holes in the wall



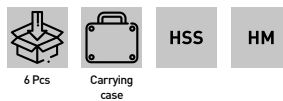
Art.	€	ø	d	Thread	Z	L	Boring bit
P076/016	€ 14,40	16 mm	10 mm	M12 x 1.25	2	46 mm	ø6 x 69 mm
P076/022	€ 15,40	22 mm	10 mm	M12 x 1.25	3	46 mm	ø6 x 69 mm
P076/025	€ 19,50	25 mm	10 mm	M12 x 1.25	3	46 mm	ø6 x 69 mm
P076/027	€ 20,60	27 mm	10 mm	M12 x 1.25	4	46 mm	ø6 x 69 mm
P076/030	€ 21,60	30 mm	10 mm	M12 x 1.25	4	46 mm	ø6 x 69 mm
P076/035	€ 22,10	35 mm	10 mm	M12 x 1.25	4	46 mm	ø6 x 69 mm
P076/038	€ 24,60	38 mm	10 mm	M12 x 1.25	4	46 mm	ø6 x 69 mm
P076/040	€ 27,20	40 mm	10 mm	M12 x 1.25	5	46 mm	ø6 x 69 mm
P076/045	€ 29,30	45 mm	10 mm	M12 x 1.25	5	46 mm	ø6 x 69 mm
P076/050	€ 30,80	50 mm	10 mm	M12 x 1.25	6	46 mm	ø6 x 69 mm
P076/055	€ 34,90	55 mm	12 mm	M16 x 1.5	6	46 mm	ø8 x 69 mm
P076/060	€ 37,00	60 mm	12 mm	M16 x 1.5	7	46 mm	ø8 x 69 mm
P076/065	€ 41,00	65 mm	12 mm	M16 x 1.5	7	46 mm	ø8 x 69 mm
P076/070	€ 51,40	70 mm	12 mm	M16 x 1.5	8	46 mm	ø8 x 69 mm
P076/080	€ 58,50	80 mm	12 mm	M16 x 1.5	8	46 mm	ø8 x 69 mm
P076/085	€ 66,30	85 mm	12 mm	M16 x 1.5	9	46 mm	ø8 x 69 mm
P076/090	€ 77,00	90 mm	12 mm	M16 x 1.5	9	46 mm	ø8 x 69 mm
P076/095	€ 78,00	95 mm	12 mm	M16 x 1.5	10	46 mm	ø8 x 69 mm
P076/100	€ 83,70	100 mm	12 mm	M16 x 1.5	11	46 mm	ø8 x 69 mm
P076/110	€ 98,60	110 mm	12 mm	M16 x 1.5	11	46 mm	ø8 x 69 mm
P076/125	€ 109,00	125 mm	12 mm	M16 x 1.5	12	46 mm	ø8 x 69 mm
P076/150	€ 139,00	150 mm	12 mm	M16 x 1.5	15	46 mm	ø8 x 69 mm

P076/006S

€ 138,00

CARBIDE TIPPED MASONRY CORE DRILL BIT HOLE SAW SET

For drilling medium and large holes in the wall



Sizes 16 mm - 22 mm - 25 mm - 27 mm - 30 mm - 35 mm



P076/008S

€ 203,00

CARBIDE TIPPED MASONRY CORE DRILL BIT HOLE SAW SET

For drilling medium and large holes in the wall



Sizes 16 mm - 22 mm - 25 mm - 27 mm - 30 mm - 35 mm - 40 mm - 45 mm



P076-GX

ARBOR FOR CARBIDE TIPPED MASONRY CORE DRILLS BIT HOLE SAW

For item P076-



Art.	€	d	L	Thread	Sizes
P076/G12	€ 3,60	10 mm	46 mm	M12 x 1.25	16-50
P076/G16	€ 4,82	12 mm	46 mm	M16 x 1.5	55-150

P076-GX400

LONG ARBOR FOR HOLE CUTTERS FOR MASONRY

For item P076-



Art.	€	d	L	Thread	Sizes
P076/G12400	€ 20,60	10 mm	400 mm	M12 x 1.25	16-50
P076/G16400	€ 30,30	12 mm	400 mm	M16 x 1.5	55-150

P076-PX

CARBIDE TIPPED PILOT DRILL FOR HOLE CUTTERS FOR MASONRY

For item P076-



Art.	€	ø	Total length	Sizes	Pack
P076/P12	€ 1,54	6 mm	69 mm	16-50	10
P076/P16	€ 2,06	8 mm	69 mm	55-150	10



P031-

DIAMOND DRILL BITS AND CORE DRILLS WITH CONTINUOUS EDGE

The thin-wall diamond core guarantees burr-free cuts. This feature facilitates drilling work on hard laid tiles, where it is necessary to make a clean hole, without chipping the tile. longer useful life cycle



Art.	€	Size	Hex drive	Total length	Diamond height	Grit
P031/05	€ 15,40	Ø 5 mm	8.5 mm	56 mm	2 mm	50/60
P031/06	€ 15,90	Ø 6 mm	8.5 mm	56 mm	2 mm	50/60
P031/07	€ 17,00	Ø 7 mm	8.5 mm	56 mm	2 mm	50/60
P031/08	€ 18,00	Ø 8 mm	8.5 mm	56 mm	2 mm	50/60
P031/10	€ 20,60	Ø 10 mm	8.5 mm	56 mm	2 mm	50/60
P031/12	€ 21,60	Ø 12 mm	8.5 mm	56 mm	2 mm	50/60
P031/14	€ 24,60	Ø 14 mm	8.5 mm	56 mm	2 mm	50/60
P031/16	€ 29,80	Ø 16 mm	11 mm	90 mm	5 mm	35/40
P031/18	€ 30,80	Ø 18 mm	11 mm	90 mm	5 mm	35/40
P031/20	€ 34,90	Ø 20 mm	11 mm	90 mm	5 mm	35/40
P031/22	€ 38,00	Ø 22 mm	11 mm	90 mm	5 mm	35/40
P031/25	€ 43,10	Ø 25 mm	11 mm	90 mm	5 mm	35/40
P031/28	€ 46,20	Ø 28 mm	11 mm	90 mm	5 mm	35/40
P031/30	€ 51,40	Ø 30 mm	11 mm	90 mm	5 mm	35/40
P031/32	€ 55,40	Ø 32 mm	11 mm	90 mm	5 mm	35/40
P031/35	€ 59,50	Ø 35 mm	11 mm	90 mm	5 mm	35/40
P031/40	€ 67,80	Ø 40 mm	11 mm	90 mm	5 mm	35/40
P031/45	€ 76,00	Ø 45 mm	11 mm	90 mm	5 mm	35/40
P031/50	€ 85,30	Ø 50 mm	11 mm	90 mm	5 mm	35/40
P031/60	€ 106,00	Ø 60 mm	11 mm	90 mm	5 mm	35/40
P031/65	€ 115,00	Ø 65 mm	11 mm	90 mm	5 mm	35/40
P031/67	€ 124,00	Ø 67 mm	11 mm	90 mm	5 mm	35/40
P031/70	€ 136,00	Ø 70 mm	11 mm	90 mm	5 mm	35/40
P031/80	€ 156,00	Ø 80 mm	11 mm	90 mm	5 mm	35/40

P031/06P

€ 2,82

PILOT TIP

For item P031-XL



Hangable	
Diameter	Ø 6 mm
Length	100 mm
Stem	Ø 5 mm
Pack	10

P031/03S

€ 51,40

DIAMOND DRILL BIT AND CORE DRILL WITH CONTINUOUS EDGE SET

The thin-wall diamond core guarantees burr-free cuts. This feature facilitates drilling work on hard laid tiles, where it is necessary to make a clean hole, without chipping the tile. longer useful life cycle



3 Pcs	
Hangable	
Sizes	Ø 6 mm - 8 mm - 10 mm
Hex drive	9.5 mm
Total length	56 mm
Diamond height	2 mm
Grit	50/60

P031/05S

€ 82,20

DIAMOND DRILL BIT AND CORE DRILL WITH CONTINUOUS EDGE SET

The thin-wall diamond core guarantees burr-free cuts. This feature facilitates drilling work on hard laid tiles, where it is necessary to make a clean hole, without chipping the tile. longer useful life cycle



5 Pcs	
Hangable	
Sizes	Ø 5 mm - 6 mm - 8 mm - 10 mm - 12 mm
Hex drive	8.5 mm
Total length	56 mm
Diamond height	2 mm
Grit	50/60

P031/06S

€ 246,00

DIAMOND DRILL BIT AND CORE DRILL WITH CONTINUOUS EDGE SET

The thin-wall diamond core guarantees burr-free cuts. This feature facilitates drilling work on hard laid tiles, where it is necessary to make a clean hole, without chipping the tile. longer useful life cycle



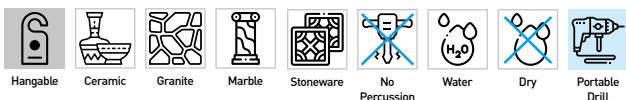
6 Pcs	
Hangable	
Sizes	Ø 16 mm - 22 mm - 25 mm - 28 mm - 30 mm - 35 mm
Hex drive	11 mm
Total length	90 mm
Diamond height	5 mm
Grit	50/60



P033-

DIAMOND DRILL BITS WITH CONTINUOUS EDGE

Optimal operation on vertical walls, do not remove the core, which acts as a measuring cap for the coolant. Use with water cooling extends the useful life of the tool. The thin-walled diamond ring guarantees burr-free cuts. This feature facilitates drilling work on hard tiles in place, where it is necessary to make a clean hole



Art.	€	Size	Hex drive	Total length	Diamond height	Grit
P033/05	€ 25,60	Ø 5 mm	9.5 mm	80 mm	10 mm	40
P033/06	€ 25,60	Ø 6 mm	9.5 mm	80 mm	10 mm	40
P033/08	€ 25,60	Ø 8 mm	9.5 mm	80 mm	10 mm	40
P033/10	€ 27,70	Ø 10 mm	9.5 mm	80 mm	10 mm	40
P033/12	€ 30,80	Ø 12 mm	9.5 mm	80 mm	10 mm	40
P033/14	€ 32,90	Ø 14 mm	12.5 mm	80 mm	10 mm	40
P033/16	€ 38,00	Ø 16 mm	12.5 mm	80 mm	10 mm	40
P033/18	€ 43,10	Ø 18 mm	12.5 mm	80 mm	10 mm	40
P033/20	€ 48,30	Ø 20 mm	12.5 mm	80 mm	10 mm	40
P033/22	€ 52,40	Ø 22 mm	12.5 mm	80 mm	10 mm	40
P033/25	€ 59,50	Ø 25 mm	12.5 mm	80 mm	10 mm	40

P034-

M14 DIAMOND DRILL BITS AND CORE DRILLS WITH CONTINUOUS EDGE

The thin-wall diamond core guarantees burr-free cuts. This feature facilitates drilling work on hard laid tiles, where it is necessary to make a clean hole, without chipping the tile. longer useful life cycle



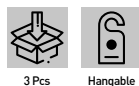
Art.	€	Size	Total length	Diamond height	Grit
P034/006	€ 30,30	Ø 6 mm	62 mm	10 mm	30/50
P034/008	€ 30,80	Ø 8 mm	62 mm	10 mm	30/50
P034/010	€ 30,80	Ø 10 mm	62 mm	10 mm	30/50
P034/012	€ 32,90	Ø 12 mm	62 mm	10 mm	30/50
P034/014	€ 36,00	Ø 14 mm	62 mm	10 mm	30/50
P034/016	€ 36,50	Ø 16 mm	62 mm	15 mm	30/50
P034/018	€ 37,00	Ø 18 mm	62 mm	15 mm	30/50
P034/020	€ 37,50	Ø 20 mm	60 mm	15 mm	30/50
P034/022	€ 38,00	Ø 22 mm	60 mm	15 mm	30/50
P034/025	€ 38,60	Ø 25 mm	60 mm	15 mm	30/50
P034/028	€ 42,10	Ø 28 mm	60 mm	15 mm	30/50
P034/030	€ 45,20	Ø 30 mm	60 mm	15 mm	30/50
P034/032	€ 48,30	Ø 32 mm	60 mm	15 mm	30/50
P034/035	€ 52,40	Ø 35 mm	60 mm	15 mm	30/50
P034/040	€ 60,60	Ø 40 mm	60 mm	15 mm	30/50
P034/045	€ 67,80	Ø 45 mm	60 mm	15 mm	30/50
P034/050	€ 72,90	Ø 50 mm	60 mm	15 mm	30/50
P034/055	€ 82,20	Ø 55 mm	60 mm	15 mm	30/50
P034/060	€ 90,30	Ø 60 mm	60 mm	15 mm	30/50
P034/065	€ 97,60	Ø 65 mm	60 mm	15 mm	30/50
P034/067	€ 101,00	Ø 67 mm	60 mm	15 mm	30/50
P034/070	€ 106,00	Ø 70 mm	60 mm	15 mm	30/50
P034/080	€ 120,00	Ø 80 mm	60 mm	15 mm	30/50
P034/090	€ 132,00	Ø 90 mm	60 mm	15 mm	30/50
P034/100	€ 163,00	Ø 100 mm	60 mm	15 mm	30/50

P033/03S

€ 71,80

DIAMOND DRILL BIT AND CORE DRILL WITH CONTINUOUS EDGE SET

Optimal operation on vertical walls, do not remove the core, which acts as a measuring cap for the coolant. Use with water cooling extends the useful life of the tool. The thin-walled diamond ring guarantees burr-free cuts. This feature facilitates drilling work on hard tiles in place, where it is necessary to make a clean hole



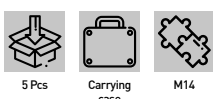
Sizes	Ø 6 mm - 8 mm - 10 mm
Hex drive	9.5 mm
Total length	80 mm
Diamond height	10 mm
Grit	40

P034/05S

€ 154,00

M14 DIAMOND DRILL BIT AND CORE DRILL WITH CONTINUOUS EDGE SET

The thin-wall diamond core guarantees burr-free cuts. This feature facilitates drilling work on hard laid tiles, where it is necessary to make a clean hole, without chipping the tile. longer useful life cycle



Sizes	Ø 6 mm - 8 mm - 10 mm - 12 mm - 14 mm
Total length	62 mm
Diamond height	10 mm
Grit	30/50

P034/06S

€ 383,00

M14 DIAMOND DRILL BIT AND CORE DRILL WITH CONTINUOUS EDGE SET

The thin-wall diamond core guarantees burr-free cuts. This feature facilitates drilling work on hard laid tiles, where it is necessary to make a clean hole, without chipping the tile. Longer useful life cycle.



Sizes	Ø 22 mm - 35 mm - 40 mm - 45 mm - 50 mm - 67 mm
Total length	60 mm
Diamond height	15 mm
Grit	30/50



P035-

DIAMOND DRILL BITS WITH CONTINUOUS EDGE

The thin-wall diamond core guarantees burr-free cuts. This feature facilitates drilling work on hard laid tiles, where it is necessary to make a clean hole, without chipping the tile. longer useful life cycle



Art.	€	Size	Stem	Total length	Diamond height	Grit
P035/05	€ 8,30	Ø 5 mm	Ø 6 mm	65 mm	5 mm	60/80
P035/06	€ 8,30	Ø 6 mm	Ø 6 mm	65 mm	5 mm	60/80
P035/08	€ 8,30	Ø 8 mm	Ø 6 mm	65 mm	5 mm	60/80
P035/10	€ 8,30	Ø 10 mm	Ø 6 mm	65 mm	5 mm	60/80
P035/12	€ 9,20	Ø 12 mm	Ø 6 mm	65 mm	5 mm	60/80
P035/14	€ 10,20	Ø 14 mm	Ø 6 mm	65 mm	5 mm	60/80

D009/5-12

€ 28,70

DRILL SUCTION CUP WITH GUIDING HOLES

Allows easy centering and cutting safety of the diamond tip in the various workable materials. To be used in conjunction with a nebulizer for water processing



Box

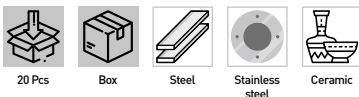
Holes 4 mm - 5 mm - 6 mm - 7 mm - 8 mm - 10 mm - 12 mm

D020

€ 26,30

DIAMOND MOUNTED POINT SET

Suitable for engraving, writing or finishing thanks to the various geometries available



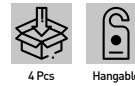
Stem Length Ø 3 mm 45 mm

P035/04S

€ 30,80

DIAMOND DRILL BIT SET WITH CONTINUOUS EDGE

The thin-wall diamond core guarantees burr-free cuts. This feature facilitates drilling work on hard laid tiles, where it is necessary to make a clean hole, without chipping the tile. longer useful life cycle



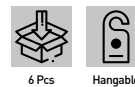
Sizes	Ø 5 mm - 6 mm - 8 mm - 10 mm
Stem	Ø 6 mm
Total length	65 mm
Diamond height	5 mm
Grit	60/80

0529

€ 39,10

DIAMOND CORE DRILL BIT SET

The thin-wall diamond core guarantees burr-free cuts. This feature facilitates drilling work on hard laid tiles, where it is necessary to make a clean hole, without chipping the tile. longer useful life cycle



Drills	Ø 5 - 6 - 8 - 10 - 12 mm
Total length	60 mm
Cut length	30 mm
Diamond height	3 mm
Grit	70/80

D009/5-85

€ 43,10

DRILL SUCTION CUP WITH ADJUSTABLE HOLE FRAME

Allows easy centering and cutting safety of the diamond tip in the various workable materials. To be used in conjunction with a nebulizer for water processing



Box

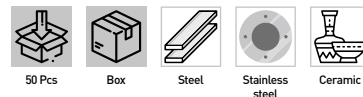
Holes 5 - 85 mm

D050

€ 51,60

DIAMOND MOUNTED POINT AND DISC SET

Suitable for engraving, writing or finishing thanks to the various geometries available



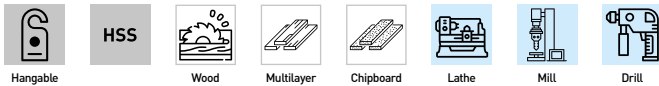
Stem Length Ø 3 mm 45 mm



P052-

BRAD POINT WOODWORKING DRILLS

DIN 7487, double helix, with centering tip allows exact positioning of the hole



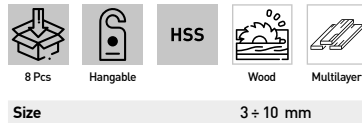
Art.	€	ø	Total length	Flute length	Pack
P052/03	€ 0,88	3 mm	61 mm	33 mm	5
P052/04	€ 0,97	4 mm	75 mm	43 mm	5
P052/05	€ 1,17	5 mm	86 mm	52 mm	5
P052/06	€ 1,27	6 mm	93 mm	57 mm	5
P052/07	€ 1,56	7 mm	109 mm	69 mm	5
P052/08	€ 2,05	8 mm	117 mm	75 mm	5
P052/09	€ 2,34	9 mm	125 mm	81 mm	1
P052/10	€ 2,74	10 mm	133 mm	87 mm	1
P052/11	€ 3,61	11 mm	142 mm	94 mm	1
P052/12	€ 4,49	12 mm	151 mm	101 mm	1
P052/13	€ 5,20	13 mm	151 mm	101 mm	1
P052/14	€ 6,40	14 mm	160 mm	108 mm	1
P052/15	€ 7,60	15 mm	169 mm	114 mm	1
P052/16	€ 10,60	16 mm	178 mm	120 mm	1
P052/17	€ 12,20	17 mm	184 mm	125 mm	1
P052/18	€ 14,20	18 mm	191 mm	130 mm	1
P052/19	€ 16,10	19 mm	198 mm	135 mm	1
P052/20	€ 17,60	20 mm	205 mm	140 mm	1

P052/08S

€ 13,60

BRAD POINT WOODWORKING DRILLS SET

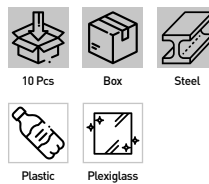
DIN 7487, double helix, with centering tip allows exact positioning of the hole



0238

€ 12,10

HOLE SAW SET FOR WOOD



0463

€ 21,80

TWIST DRILL SET WITH COUNTERSINK FOR WOOD

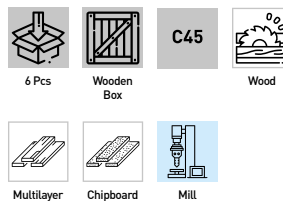
for countersinking the wood



Sizes 2 - 2,5 - 3 - 3,5 mm

0799-

MORTISING DRILL SET



Art.	€	Sizes	Revolution	Stem
0799/SXC	€ 68,00	ø 6 - 8 - 10 - 12 - 14 - 16 mm	L	ø 16 x 50 mm
0799/DXC	€ 68,00	ø 6 - 8 - 10 - 12 - 14 - 16 mm	R	ø 16 x 50 mm

0087

€ 43,90

UNIVERSAL CYLINDER CARBIDE TIPPED BORING BIT



Drills ø 15 - 20 - 26 - 30 - 35 mm

0087/35

€ 11,10

UNIVERSAL CYLINDER CARBIDE TIPPED BORING BIT



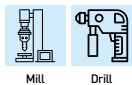
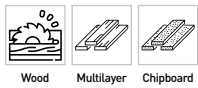
Boring bit ø 35 mm
Stem ø 10 mm



0526 € 31,20

TWIST DRILL AND COUNTERSINK SET WITH 1/4" HEX SHANK

1/4" hex shank with countersink for wood



Drills	2,75 - 3,25 - 3,5 mm
Shank	1/4"

0524 € 50,80

1/4" DR. DRILL BIT HOLDER SET

To speed up the work by replacing the tips quickly

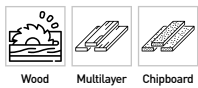
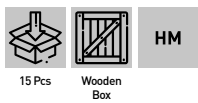


Sizes	3-3.5-4-4.5-5-5.5-6-6.5-8-10 mm
Shank	1/4"

0835/15 € 53,60

CARBIDE TIPPED ROUTER BIT SET

For professional woodworking such as edges, trimmings, grooves

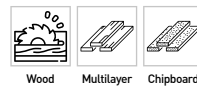
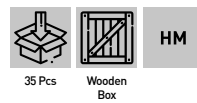


Stem	Ø 6 mm
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0830 € 232,00

CARBIDE TIPPED ROUTER BIT SET

For professional woodworking such as edges, trimmings, grooves

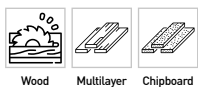


Stem	Ø 6 mm
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0718 € 269,00

CUTTER HEAD SET FOR MACHINE

For creating profiles of various geometries on wood.



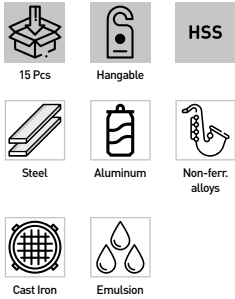
Head	Ø 100 x 40h mm
Hole	Ø 30 mm
Knives	26



M015S € 55,40

SPIRAL POINT TAP AND DRILL SET

With adjustable tap holder

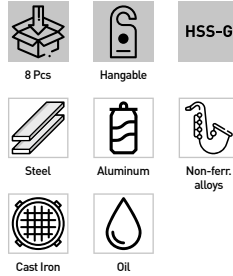


Taps	M3 x 0,50 mm, M4 x 0,70 mm, M5 x 0,80 mm, M6 x 1,00 mm, M8 x 1,2
Drills	Ø2,5 mm, Ø3,3 mm, Ø4,2 mm, Ø5,0 mm, Ø6,8 mm, Ø8,5 mm, Ø10

M312/P € 60,60

MACHINE TAP SET FOR THROUGH HOLES WITH REINFORCED SHANK

With adjustable tap holder.



Size	M3 x 0,50 - M4 x 0,70 - M5 x 0,80 - M6 x 1 - M8 x 1,25 - M10 x 1,50 - M12 x 1,75
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M312/C € 65,90

MACHINE TAP SET FOR BLIND HOLES 35° WITH REINFORCED SHANK

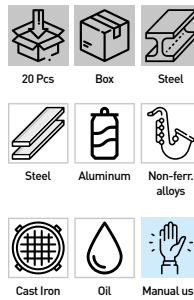
With adjustable tap holder.



Size	M3 x 0,50 - M4 x 0,70 - M5 x 0,80 - M6 x 1 - M8 x 1,25 - M10 x 1,50 - M12 x 1,75
------	--

M020 € 30,60

TAP AND DIE SET

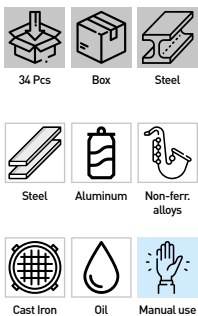


Tap holder	M3 - M12
Round die-stock	25 x 9 mm
Taps	M3x0,5 - M4x0,7 - M5x0,8 - M6x1 - M7x1 - M8x1,25 - M10x1,5 - M12x1,75 - 1/8" NPT27
Dies	M3x0,5 - M4x0,7 - M5x0,8 - M6x1 - M7x1 - M8x1,25 - M10x1,5 - M12x1,75 - 1/8" NPT27

M036 € 59,40

TAP AND DIE SET

With twist drills and screw pitch gauge

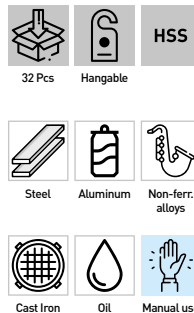


Tap holder	M3 - M12
Round die-stock	25 x 9 mm
Taps	M3x0,5 - M4x0,7 - M5x0,8 - M6x1 - M7x1 - M8x1,25 - M10x1,5 - M12
Dies	M3x0,5 - M4x0,7 - M5x0,8 - M6x1 - M7x1 - M8x1,25 - M10x1,5 - M12
Drills	2,5 - 3,3 - 4,2 - 5 - 6 - 6,8 - 8,5 - 10,3 mm
Screwdriver	6,5 x 50 mm

M032 € 110,00

TAP AND DIE METRIC SET

With round die-stock, adjustable tap holder and screw pitch gauge.



Taps	M3x0,5 M4x0,7 M5x0,8 M6x1 M8x1,25 M10x1,5 M12x1,75
Dies	M3x0,5 M4x0,7 M5x0,8 M6x1 M8x1,25 M10x1,5 M12x1,75
Screwdriver	3,5 x 50 mm

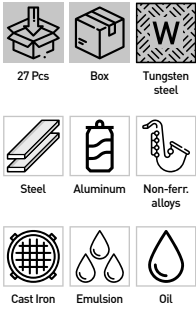


M029

€ 118,00

TAP AND DIE SET

With twist drills and ratchet tap-die holder



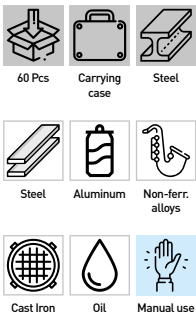
Ratchet handle	200 mm
Socket	Maschi 5 - 7,5 mm Filiere 25 x 9 mm
Taps	M3x0,5 - M4x0,7 - M5x0,8 - M6x1 - M8x1,25 - M10x1,5 - M12x1,75
Dies	M3x0,5 - M4x0,7 - M5x0,8 - M6x1 - M8x1,25 - M10x1,5 - M12x1,75
Drills	2,5 - 3,3 - 4,2 - 5 - 6,8 - 8,5 - 10,3 mm
Screwdriver	6,5 x 50 mm
Screwdriver	3 x 50 mm

M101

€ 109,00

TAPS AND DIE METRIC SET

Hand tap and die: M3x0,5 - UNC 1/4 20 - UNF 4 40 - Metric M4x0,7 - UNC 1/4 28 - UNF 6 32 - Metric M5x0,8 - UNC 5/16 18 - UNF 8 32 - Metric M6x1 - UNC 5/16 24 - UNF 10 32 - Metric M7x1 - UNC 3/8 16 - UNF 10 24 - Metric M8x1,25 - UNC 3/8 24 - UNF 12 24 - Metric M9x1,25 - UNC 7/16 14 - Metric M10x1,5 - UNC 7/16 20 - Metric M10x1 - UNC 1/2 13 - Metric M12x1,75 - UNC 1/2 20 - NPT 1/8 27. Complete with round die-stock and adjustable tap holder.

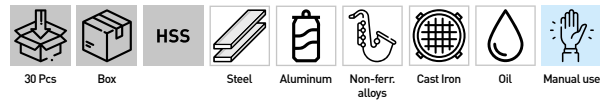


M030

€ 69,10

TAP AND DIE SET

From M1 to M2.5, with die turner and adapters to convert it into tap wrenches.



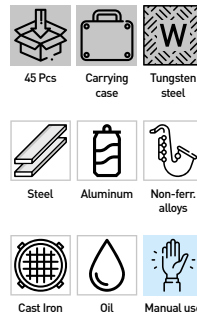
Size M1 - M1.1 - M1.2 - M1.4 - M1.6 - M1.8 - M2.0 - M2.2 - M2.5

M100

€ 146,00

TAP AND DIE METRIC SET

With round die-stock and adjustable tap holder. M6x0,75 - M6x1 - M8x1 - M8x1,25 - M10x1,25 - M10x1,5 - M12x1,5 - M12x1,75 - M14x1,5 - M14x2 - M16x1,5 - M16x2 - M18x1,5 - M18x2,5 - M20x1,5 - M20x2,5 - M22x1,5 - M22x2,5 - M24x1,5 - M24x3



M218

€ 235,00

TAP AND DIE METRIC SET

2 pcs hand tap set and die: M2 x 0,40 - M3 x 0,50 - M4 x 0,70 - M5 x 0,80 - M6 x 0,75 - M6 x 1 - M7 x 0,75 - M7 x 1 - M8 x 0,75 - M8 x 1 - M8 x 1,25 - M9 x 0,75 - M9 x 1 - M9 x 1,25 - M10 x 0,75 - M10 x 1 - M10 x 1,25 - M10 x 1,5 - M11 x 0,75 - M11 x 1 - M11 x 1,25 - M11 x 1,5 - M12 x 0,75 - M12 x 1 - M12 x 1,25 - M12 x 1,5 - M12 x 1,75 - M14 x 1 - M14 x 1,25 - M14 x 1,5 - M14 x 2 - M16 x 1 - M16 x 1,5 - M16 x 2 - M18 x 1,5. Complete with 2 tap holders and 2 round die-stocks.



TAPPING

TYPE OF GROOVES

STRAIGHT GROOVES CORRECT INLET

The correction of the inlet is given by a strong inclination of the helix combined with an accentuated angle of cut in the initial part of the tap. This design ensures the evacuation of chips in the direction of the feed. Therefore, when tapping through holes in materials that produce continuous chips, the risk of clogging and breakage is almost eliminated.



35° HIGH-TWIST HELICAL GROOVES

Inclined helical grooves facilitate chip extraction in the opposite direction to the tap feed. The strong inclination of the helix also ensures the extraction of chips from blind and deep holes reducing the risk of clogging and breakage.



CHOICE OF THEORETICAL CUTTING SPEEDS OF MACHINE TAPS, ACCORDING TO THE MATERIAL TO BE THREADED



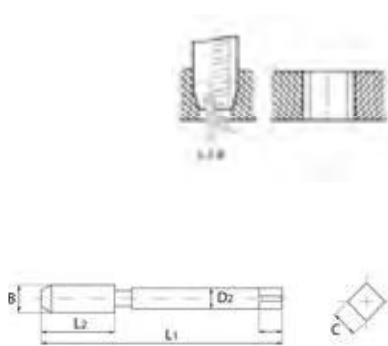
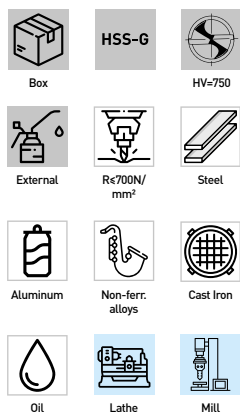
Material to work	Cutting speed (m / min)	Refrigerant
Low alloy construction steel R< 700÷900N/mm2	10 - 20	Oil
Tool steel	4 - 8	Oil
Alloy steel R< 1100÷1300N/mm2	2 - 5	Oil
Stainless steel	5 - 10	Oil
Spheroidal cast iron	6 - 20	No Lubrication.
Copper alloys	10 - 15	Oil
Brass	20 - 30	Oil
Bronze	6 - 15	Oil
Aluminium Short chip	15 - 30	Oil
Aluminium Long chip	10 - 20	Oil
Titanium	3 - 4	Oil
Plastics and thermoplastics	5 - 15	Water
Thermosetting Materials	5 - 10	No Lubrication



M001-X

MACHINE TAPS STRAIGHT FLUTE, SPIRAL POINTED FOR THROUGH HOLES

DIN 371/B, isometric thread coarse pitch - reinforced shank.

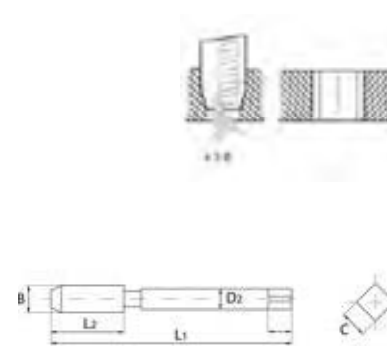
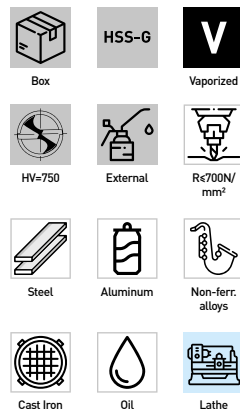


Art.	€	B	L2	L1	D2	C
M001/3	€ 5,80	M3 x 0,50	11 mm	56 mm	3.5 mm	2.7 mm
M001/4	€ 5,80	M4 x 0,70	13 mm	63 mm	4.5 mm	3.4 mm
M001/5	€ 7,10	M5 x 0,80	16 mm	70 mm	6 mm	4.9 mm
M001/6	€ 7,60	M6 x 1	19 mm	80 mm	6 mm	4.9 mm
M001/8	€ 9,30	M8 x 1,25	22 mm	90 mm	8 mm	6.2 mm
M001/10	€ 11,90	M10 x 1,5	24 mm	100 mm	10 mm	8 mm

M001-XV

MACHINE TAPS STRAIGHT FLUTE, SPIRAL POINTED FOR THROUGH HOLES

DIN 371/B, isometric thread coarse pitch - reinforced shank, the vaporization treatment increases the surface hardness and wear resistance by reducing the possibility of chip sticking.

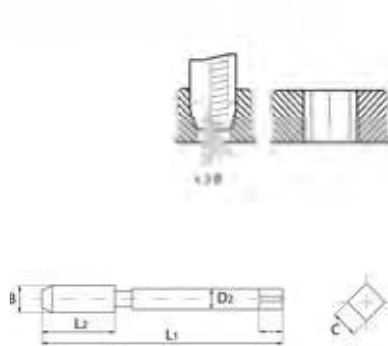
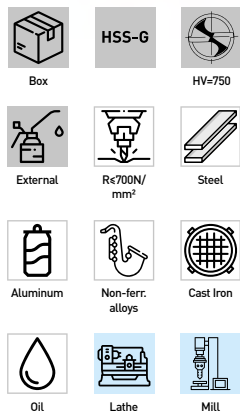


Art.	€	B	L2	L1	D2	C
M001/03V	€ 7,30	M3 x 0,50	11 mm	56 mm	3.5 mm	2.7 mm
M001/04V	€ 7,30	M4 x 0,70	13 mm	63 mm	4.5 mm	3.4 mm
M001/05V	€ 8,10	M5 x 0,80	16 mm	70 mm	6 mm	4.9 mm
M001/06V	€ 8,80	M6 x 1	19 mm	80 mm	6 mm	4.9 mm
M001/08V	€ 11,10	M8 x 1,25	22 mm	90 mm	8 mm	6.2 mm
M001/10V	€ 13,90	M10 x 1,5	24 mm	100 mm	10 mm	8 mm

M002-

MACHINE TAPS STRAIGHT FLUTE SPIRAL POINTED FOR THROUGH HOLES

DIN 376/B, isometric thread coarse pitch.

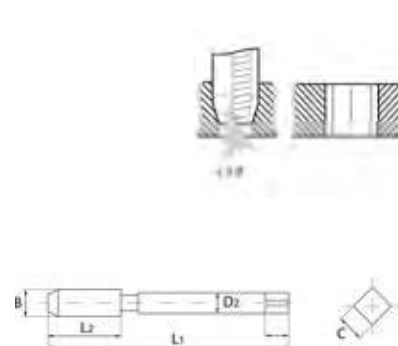
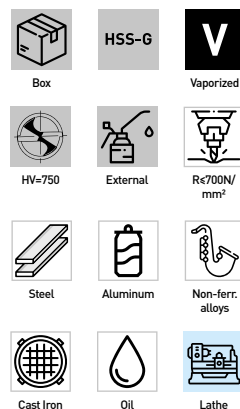


Art.	€	B	L2	L1	D2	C
M002/12	€ 12,90	M12 x 1,75	29 mm	110 mm	9 mm	7 mm
M002/14	€ 16,70	M14 x 2	30 mm	110 mm	11 mm	9 mm
M002/16	€ 18,60	M16 x 2	32 mm	110 mm	12 mm	9 mm
M002/18	€ 28,80	M18 x 2,5	34 mm	125 mm	14 mm	11 mm
M002/20	€ 34,20	M20 x 2,5	34 mm	140 mm	16 mm	12 mm
M002/22	€ 47,90	M22 x 2,5	34 mm	140 mm	18 mm	14.5 mm
M002/24	€ 52,60	M24 x 3	38 mm	160 mm	18 mm	14.5 mm
M002/27	€ 73,60	M27 x 3	38 mm	160 mm	20 mm	16 mm
M002/30	€ 85,30	M30 x 3,5	45 mm	180 mm	22 mm	18 mm

M002-XV

MACHINE TAPS STRAIGHT FLUTE SPIRAL POINTED FOR THROUGH HOLES

DIN 376/B, isometric thread coarse pitch - reinforced shank, the vaporization treatment increases the surface hardness and wear resistance by reducing the possibility of chip sticking.



Art.	€	B	L2	L1	D2	C
M002/12V	€ 14,50	M12 x 1,75	29 mm	110 mm	9 mm	7 mm
M002/14V	€ 19,10	M14 x 2	30 mm	110 mm	11 mm	9 mm
M002/16V	€ 21,80	M16 x 2	32 mm	110 mm	12 mm	9 mm
M002/18V	€ 30,80	M18 x 2,5	34 mm	125 mm	14 mm	11 mm
M002/20V	€ 38,80	M20 x 2,5	34 mm	140 mm	16 mm	12 mm

M003-

MACHINE TAPS SPIRAL FLUTE FOR BLIND HOLES 35°

DIN 371/C, isometric thread coarse pitch - reinforced shank



Box
 HSS-G
 HV=750
 External
 R<700N/mm²
 Steel
 Aluminum
 Non-ferr. alloys
 Cast Iron
 Oil
 Lathe
 Mill

Art.	€	B	L2	L1	D2	C
M003/3	€ 5,80	M3 x 0,50	11 mm	56 mm	3.5 mm	2.7 mm
M003/4	€ 5,80	M4 x 0,70	13 mm	63 mm	4.5 mm	3.4 mm
M003/5	€ 6,50	M5 x 0,80	16 mm	70 mm	6 mm	4.9 mm
M003/6	€ 8,10	M6 x 1	19 mm	80 mm	6 mm	4.9 mm
M003/8	€ 9,90	M8 x 1,25	22 mm	90 mm	8 mm	6.2 mm
M003/10	€ 12,20	M10 x 1,5	24 mm	100 mm	10 mm	8 mm

M003-XV

MACHINE TAPS SPIRAL FLUTE FOR BLIND HOLES 35°

DIN 371 / C, isometric thread coarse pitch - reinforced shank, the vaporization treatment increases the surface hardness and wear resistance by reducing the possibility of chip sticking



Box
 HSS-G
 Vaporized
 HV=750
 External
 R<700N/mm²
 Steel
 Aluminum
 Non-ferr. alloys
 Cast Iron
 Oil
 Lathe

Art.	€	B	L2	L1	D2	C
M003/03V	€ 7,30	M3 x 0,50	11 mm	56 mm	3.5 mm	2.7 mm
M003/04V	€ 7,30	M4 x 0,70	13 mm	63 mm	4.5 mm	3.4 mm
M003/05V	€ 8,70	M5 x 0,80	16 mm	70 mm	6 mm	4.9 mm
M003/06V	€ 9,90	M6 x 1	19 mm	80 mm	6 mm	4.9 mm
M003/08V	€ 11,40	M8 x 1,25	22 mm	90 mm	8 mm	6.2 mm
M003/10V	€ 14,30	M10 x 1,5	24 mm	100 mm	10 mm	8 mm

M003-XXX

MACHINE TAPS SPIRAL FLUTE FOR BLIND HOLES 35°

DIN 376/C, isometric thread coarse pitch



Box
 HSS-G
 HV=750
 External
 R<700N/mm²
 Steel
 Aluminum
 Non-ferr. alloys
 Cast Iron
 Oil
 Lathe
 Mill

Art.	€	B	L2	L1	D2	C
M003/12	€ 13,30	M12 x 1,75	29 mm	110 mm	9 mm	7 mm
M003/14	€ 16,90	M14 x 2	30 mm	110 mm	11 mm	9 mm
M003/16	€ 19,40	M16x2	32 mm	110 mm	12 mm	9 mm
M003/18	€ 31,60	M18 x 2,5	34 mm	125 mm	14 mm	11 mm
M003/20	€ 34,70	M20 x 2,5	34 mm	140 mm	16 mm	12 mm
M003/22	€ 47,90	M22 x 2,5	34 mm	140 mm	18 mm	14.5 mm
M003/24	€ 52,50	M24 x 3	38 mm	160 mm	18 mm	14.5 mm
M003/27	€ 73,60	M27 x 3	38 mm	160 mm	20 mm	16 mm
M003/30	€ 85,30	M30 x 3,5	45 mm	180 mm	22 mm	18 mm

M003-XXV

MACHINE TAPS SPIRAL FLUTE FOR BLIND HOLES 35°

DIN 376/C, isometric thread coarse pitch - reinforced shank, the vaporization treatment increases the surface hardness and wear resistance by reducing the possibility of chip sticking.



Box
 HSS-G
 Vaporized
 HV=750
 External
 R<700N/mm²
 Steel
 Aluminum
 Non-ferr. alloys
 Cast Iron
 Oil
 Lathe

Art.	€	B	L2	L1	D2	C
M003/12V	€ 16,90	M12 x 1,75	29 mm	110 mm	9 mm	7 mm
M003/14V	€ 19,10	M14 x 2	30 mm	110 mm	11 mm	9 mm
M003/16V	€ 22,70	M16 x 2	32 mm	110 mm	12 mm	9 mm
M003/18V	€ 30,80	M18 x 2,5	34 mm	125 mm	14 mm	11 mm
M003/20V	€ 38,80	M20 x 2,5	34 mm	140 mm	16 mm	12 mm



0890-

3 IN 1 DRILLING-TAPPING-DEBURRING TOOL

Thanks to the particular geometry in a single operation it is able to drill, thread and countersink



1° 2° 3°



HSS



Art.	€	Taps	Shank	Dimensions
0890/M3	€ 6,70	M3 x 0,5	1/4"	52 mm
0890/M4	€ 6,70	M4 x 0,7	1/4"	52 mm
0890/M5	€ 7,60	M5 x 0,8	1/4"	54 mm
0890/M6	€ 7,60	M6 x 1	1/4"	56 mm
0890/M8	€ 8,80	M8 x 1,25	1/4"	58 mm
0890/M10	€ 10,80	M10 x 1,5	1/4"	60 mm

G002-

ADJUSTABLE TAP HOLDER

DIN 1814. With hardened jaws, a handle that can be unscrewed to carry out jobs with tight dimensions



HSS-G

Art.	€	Taps	Square
G002/1	€ 6,50	M1 ÷ M10	1,75 ÷ 5,5
G002/2	€ 9,60	M4 ÷ M12	2,4 ÷ 8 mm
G002/3	€ 13,30	M5 ÷ M20	2,7 ÷ 12

0890

€ 53,10

3 IN 1 DRILLING-TAPING-DEBURRING TOOL AND BIT SET

Thanks to the particular geometry in a single operation it is able to drill, thread and countersink. With quick change holder



14 Pcs



Box

HSS



Steel



Aluminum



Non-ferr. alloys



Cast Iron



Magnetic Drill



Portable Drill

Taps	M3 x 0,5 - M4 x 0,7 - M5 x 0,8 - M6 x 1 - M8 x 1,25 - M10 x 1,5
Shank	1/4"
Phillips	1 - 2
Pozi-driv	1 - 2
Slotted	4 - 5 mm

G003-

RATCHET TAP HOLDER

Right-handed, left-handed or in a fixed position



Blister

HSS-G

Art.	€	Taps	Square
G003/1	€ 11,90	M3 ÷ M 8	1,75 ÷ 5,5
G003/2	€ 14,50	M5 ÷ M 12	4 ÷ 8

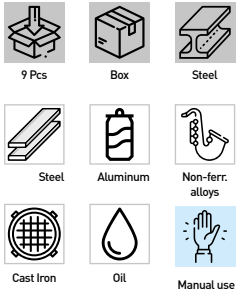


F123

NEW € 48,60

ROUND DIE SET

From M3 to M12, complete with round die-stock

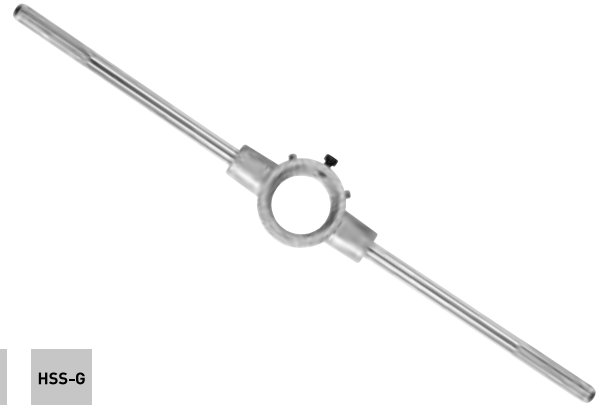


Size M3 - M4 - M5 - M6 - M8 - M10 - M12
Round die-stock 25 x 9 mm

G001-

ROUND DIE-STOCK

DIN 225, with 3 die fixing screws, 1 unscrewable handle to carry out jobs with tight dimensions



Art.	€	Die dimensions	For dies
G001/20	€ 6,50	20 x 7 mm	M4.5 ÷ M6
G001/25	€ 6,50	25 x 9 mm	M7 ÷ M9
G001/30	€ 8,00	30 x 11 mm	M10 ÷ M11
G001/38	€ 12,20	38 x 14 mm	M12 ÷ M14
G001/45	€ 13,90	45 x 18 mm	M16 ÷ M20
G001/55	€ 15,00	55 x 22 mm	M22 ÷ M24

F121-

METRIC DIE FOR COARSE PITCH

DIN 223, with correct entry on both sides to facilitate the execution of the thread and correctly evacuate the shavings in the cutting direction



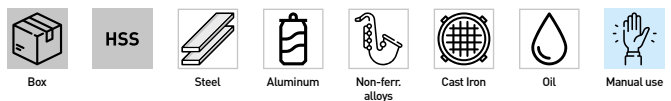
F122-

DIE GAS THREAD

DIN 5158/B, with correct entry on both sides to facilitate the execution of the thread and correctly evacuate the shavings in the cutting direction



Art.	€	Pitch	Dimensions
F121/03	€ 8,00	3 x 0,5 mm	Ø20 x 5 mm
F121/04	€ 8,00	4 x 0,7 mm	Ø20 x 5 mm
F121/05	€ 9,10	5 x 0,8 mm	Ø20 x 7 mm
F121/06	€ 10,50	6 x 1 mm	Ø20 x 7 mm
F121/08	€ 10,50	8 x 1,25 mm	Ø25 x 9 mm
F121/10	€ 12,00	10 x 1,5 mm	Ø30 x 11 mm
F121/12	€ 13,90	12 x 1,75 mm	Ø38 x 14 mm
F121/14	€ 19,60	14 x 2 mm	Ø38 x 14 mm
F121/16	€ 23,00	16 x 2 mm	Ø45 x 18 mm
F121/18	€ 26,70	18 x 2,5 mm	Ø45 x 18 mm
F121/20	€ 28,30	20 x 2,5 mm	Ø45 x 18 mm



Art.	€	Pitch	Dimensions
F122/1/8	€ 10,40	G1/8-28	Ø30 x 11 mm
F122/1/4	€ 18,10	G1/4-19	Ø38 x 10 mm
F122/3/8	€ 22,50	G3/8-19	Ø45 x 14 mm
F122/1/2	€ 24,20	G1/2-14	Ø45 x 14 mm
F122/5/8	€ 43,30	G5/8-14	Ø55 x 16 mm
F122/3/4	€ 47,50	G3/4-14	Ø55 x 16 mm
F122/7/8	€ 52,60	G7/8-14	Ø65 x 18 mm
F122/1	€ 53,10	G1-11	Ø65 x 18 mm



F-COIL THREAD RESTORER RANGE

It is essential for reinforcing threads in materials with reduced resistance (aluminium, aluminium alloys or magnesium). The industrial sectors where it is most used are: mechanical and building development, automotive industry, medical and electronic equipment, as well as aerospace and aeronautical construction. Tapping reinforcement eliminates wear on the tapping itself, allowing frequent use of the thread. It is essential for the economical and lasting restoration of worn or discarded threads during manufacture.

RESTORATION AND LAYING PROCEDURE

1st operation
Knowing the type of damaged thread

Knowledge of the type of damaged thread so that the appropriate kit can be purchased to restore it.



2nd operation
Drilling execution with specific drill tip

Drilling for removal of the damaged thread and thread preparation for the new F-Coil thread insert



3rd operation
Tapping execution for preparation of F-Coil thread housing

Execution of the tapping operation with the specific tap for creating the housing for the F-Coil thread insert.



4th operation
Screw in the Coil insert with the appropriate tool

Screw in the F-Coil insert with the F-Coil mounting tool to the required depth. If one helix is not enough, you can add more helix up to the necessary depth. The application of thread-locking glue is recommended to avoid possible disassembly of the F-Coil



5th operation
Breaking of the driving notch with a special cutter

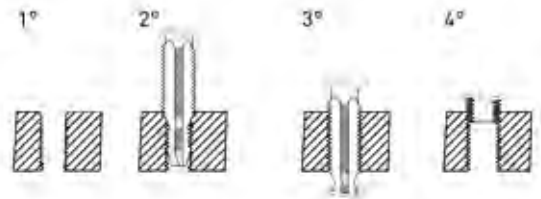
Once the thread-insert has been installed, break off the retention stud bolt. In order to break it, the specific breaking tool must be used. From a thread size of M14 onwards, it is possible to perform this operation with the use of a clamp where the pitch size permits.



REPAIR THREADS FOR SPARK PLUG SEATS

To restore damaged spark plug seats the procedure is different: Threading is carried out directly on the damaged thread with the special tap supplied with the KIT. The F-COIL thread bushing is then inserted and must be screwed in completely up to the stop.

The application of thread-locking adhesive is recommended.



COMPOSITION OF THE THREAD REPAIR KIT

1	Stainless steel threaded inserts to be inserted in the tapping performed by recreating the previously damaged thread (Available in 1xØ, 1.5xØ, 2xØ, 2.5xØ and 3xØ lengths)		
2	Helical HSS bit for making the pre-hole for the tap		
3	Specific tap for tapping for the application of the threaded insert		
4	Tool for mounting F-Coil threaded inserts	For threaded inserts up to M24	
		For M26 inserts	
5	Specific tool for breaking the F-Coil tang		

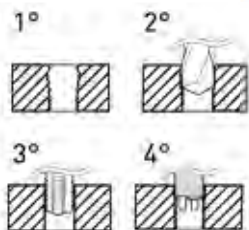




E010 € 123,00

METRIC THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials

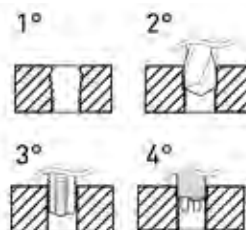


Sizes	M5 - M12
STI Taps	M5 x 0.8 - M6 x 1.0 - M8 x 1.25 - M10 x 1.5 - M12 x 1.75
Drills	5.2 mm - 6.3 mm - 8.3 mm - 10.4 mm - 12.4 mm
Wire-thread inserts	M5=25 M6=25 M8=25 M10=25 M12=10
Inserting tool	5 Pcs
Tang break tool	5 Pcs

E010B € 159,00

METRIC THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials

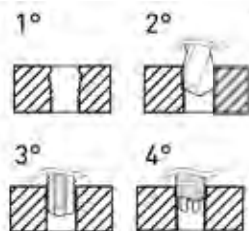


Sizes	M6 - M14
STI Taps	M6 x 1.0 - M8 x 1.25 - M10 x 1.5 - M12 x 1.75 - M14 x 1.25
Drills	6.3 mm - 8.3 mm - 10.4 mm - 12.4 mm
Wire-thread inserts	M6=25 M8=25 M10=20 M12=15 M14=25
Inserting tool	5 Pcs
Tang break tool	5 Pcs

E010E € 107,00

METRIC THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials

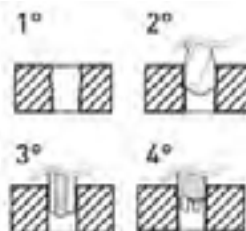


Sizes	M5 - M12
STI Taps	M5 x 0.8 - M6 x 1.0 - M8 x 1.25 - M10 x 1.5 - M12 x 1.75
Drills	5.2 mm - 6.3 mm - 8.3 mm - 10.4 mm - 12.4 mm
Wire-thread inserts	M5=25 M6=25 M8=25 M10=25 M12=10
Inserting tool	5 Pcs
Tang break tool	5 Pcs

E010- € 107,00

THREAD REPAIR INSERT SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials

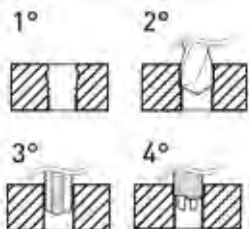


Art.	€	Thread insert	Boring bit	Taps	Handle
E010/M05	€ 27,10	M5	5,2 mm	x M5	2
E010/M06	€ 29,40	M6	6,3 mm	x M6	2
E010/M08	€ 32,40	M8	8,3 mm	x M8	2
E010/M10	€ 39,10	M10	10,4 mm	x M10	2
E010/M12	€ 41,40	M12	12,4 mm	x M12	2
E010/M14	€ 49,50	M14 x 1,25	14,4 mm	x M14 x 1,25	2

E011A € 164,00

METRIC THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials







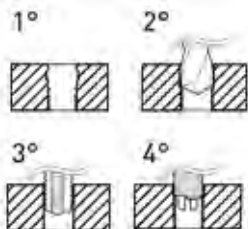

130 Pcs Carrying case





Sizes	M5 - M12
STI Taps	M5 x 0.8 - M6 x 1.0 - M8 x 1.25 - M10 x 1.5 - M12 x 1.75
Drills	5.2 mm - 6.3 mm - 8.3 mm - 10.4 mm - 12.4 mm
Wire-thread inserts	M5=25 M6=25 M8=25 M10=25 M12=10
Inserting tool	5 Pcs
Tang break tool	5 Pcs

E011B € 192,00

METRIC THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials



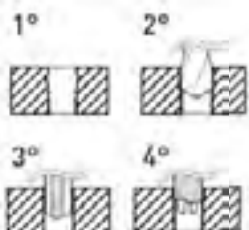
113 Pcs Carrying case

Sizes	M6 - M14
STI Taps	M6 x 1.0 - M8 x 1.25 - M10 x 1.5 - M12 x 1.75 - M14 x 1.25
Drills	6.3 mm - 8.3 mm - 10.4 mm - 12.4 mm
Wire-thread inserts	M6=25 M8=25 M10=25 M12=10 M14=10
Inserting tool	5 Pcs
Tang break tool	4 Pcs

E011C € 113,00

METRIC THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials







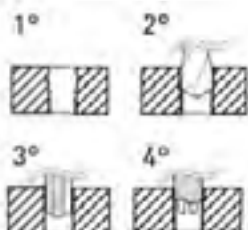

87 Pcs Hangable





Sizes	M6 - M10
STI Taps	M6 x 1.0 - M8 x 1.25 - M10 x 1.5
Drills	6.3 mm - 8.3 mm - 10.4 mm
Wire-thread inserts	M6 25 Pcs - M8 25 Pcs - M10 25 Pcs
Inserting tool	3 Pcs
Tang break tool	3 Pcs

E011D € 203,00

METRIC THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials. 14mm size specific for car spark plugs



113 Pcs Carrying case

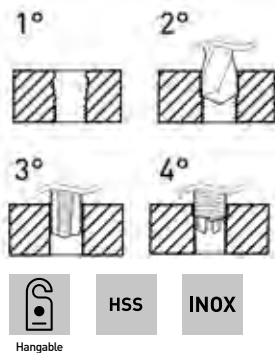
Sizes	M6 - M14
STI Taps	M6 x 1.0 - M8 x 1.25 - M10 x 1.5 - M12 x 1.75 - M14 x 1.25
Drills	6.3 mm - 8.3 mm - 10.4 mm - 12.4 mm
Wire-thread inserts	M6 25 Pcs - M8 25 Pcs - M10 25 Pcs - M12 10 Pcs - M14 10 Pcs
Inserting tool	5 Pcs
Tang break tool	4 Pcs



E011-MX1

METRIC THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials

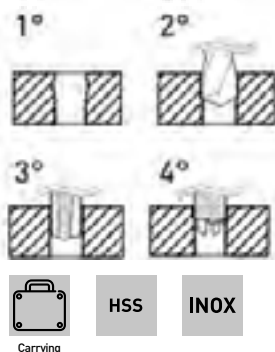


Art.	€	Dimensions	Boring bit	STI Taps	Inserting tool	Tang break tool	Inserts quantity
E011/M020X040	€ 26,20	M 2 x 0.4	Ø 2.1 mm	E011/M020X040M	E011/U02	E011/A02	20
E011/M025X045	€ 26,20	M 2.5 x 0.45	Ø 2.6 mm	E011/M025X045M	E011/U03	E011/A03	20
E011/M030X050	€ 26,20	M 3 x 0.5	Ø 3.2 mm	E011/M030X050M	E011/U04	E011/A04	20
E011/M035X060	€ 26,20	M 3.5 x 0.6	Ø 3.7 mm	E011/M035X060M	E011/U05	E011/A05	20
E011/M040X070	€ 26,20	M 4 x 0.7	Ø 4.2 mm	E011/M040X070M	E011/U06	E011/A06	20
E011/M050X080	€ 27,10	M 5 x 0.8	Ø 5.2 mm	E011/M050X080M	E011/U08	E011/A08	20
E011/M060X100	€ 28,80	M 6 x 1.0	Ø 6.3 mm	E011/M060X100M	E011/U09	E011/A09	20
E011/M070X100	€ 35,70	M 7 x 1.0	Ø 7.3 mm	E011/M070X100M	E011/U10	E011/A11	20
E011/M080X100	€ 35,70	M 8 x 1.0	Ø 8.3 mm	E011/M080X100M	E011/U11	E011/A11	20
E011/M080X125	€ 35,70	M 8 x 1.25	Ø 8.3 mm	E011/M080X125M	E011/U11	E011/A11	20
E011/M090X100	€ 35,70	M 9 x 1.0	Ø 9.3 mm	E011/M090X100M	E011/U12	E011/A12	10
E011/M090X125	€ 40,10	M 9 x 1.25	Ø 9.3 mm	E011/M090X125M	E011/U12	E011/A12	15
E011/M100X100	€ 38,30	M 10 x 1.0	Ø 10.3 mm	E011/M100X100M	E011/U13	E011/A13	15
E011/M100X125	€ 38,30	M 10 x 1.25	Ø 10.3 mm	E011/M100X125M	E011/U13	E011/A13	15
E011/M100X150	€ 38,30	M 10 x 1.5	Ø 10.4 mm	E011/M100X150M	E011/U13	E011/A13	15
E011/M110X150	€ 42,60	M 11 x 1.5	Ø 11.4 mm	E011/M110X150M	E011/U14	E011/A14	10
E011/M120X100	€ 42,60	M 12 x 1.0	Ø 12.3 mm	E011/M120X100M	E011/U15	E011/A15	10
E011/M120X125	€ 42,60	M 12 x 1.25	Ø 12.3 mm	E011/M120X125M	E011/U15	E011/A15	10
E011/M120X150	€ 42,60	M 12 x 1.5	Ø 12.4 mm	E011/M120X150M	E011/U15	E011/A15	10
E011/M120X175	€ 42,60	M 12 x 1.75	Ø 12.4 mm	E011/M120X175M	E011/U15	E011/A15	10
E011/M140X100	€ 49,50	M 14 x 1.0	-	E011/M140X100M	E011/U16	-	10
E011/M140X125	€ 49,50	M 14 x 1.25	-	E011/M140X125M	E011/U16	-	10
E011/M140X150	€ 49,50	M 14 x 1.5	-	E011/M140X150M	E011/U17	-	10
E011/M140X200	€ 49,50	M 14 x 2.0	-	E011/M140X200M	E011/U17	-	10
E011/M160X150	€ 58,20	M 16 x 1.5	-	E011/M160X150M	E011/U18	-	10
E011/M160X200	€ 58,20	M 16 x 2.0	-	E011/M160X200M	E011/U18	-	10
E011/M180X150	€ 68,60	M 18 x 1.5	-	E011/M180X150M	E011/U20	-	5
E011/M180X200	€ 68,60	M 18 x 2.0	-	E011/M180X200M	E011/U20	-	5
E011/M180X250	€ 68,60	M 18 x 2.5	-	E011/M180X250M	E011/U20	-	5
E011/M200X150	€ 74,60	M 20 x 1.5	-	E011/M200X150M	E011/U21	-	5
E011/M200X200	€ 74,60	M 20 x 2.0	-	E011/M200X200M	E011/U21	-	5
E011/M200X250	€ 74,60	M 20 x 2.5	-	E011/M200X250M	E011/U21	-	5
E011/M220X150	€ 85,00	M 22 x 1.5	-	E011/M220X150M	E011/U22	-	5
E011/M220X200	€ 85,00	M 22 x 2.0	-	E011/M220X200M	E011/U22	-	5
E011/M220X250	€ 85,00	M 22 x 2.5	-	E011/M220X250M	E011/U22	-	5
E011/M240X150	€ 96,30	M 24 x 1.5	-	E011/M240X150M	E011/U23	-	5
E011/M240X200	€ 96,30	M 24 x 2.0	-	E011/M240X200M	E011/U23	-	5
E011/M240X300	€ 96,30	M 24 x 3.0	-	E011/M240X300M	E011/U23	-	5

E011-MX2

METRIC THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials



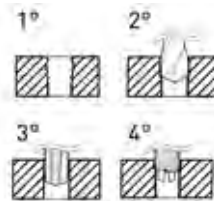
Art.	€	Dimensions	STI Taps	Inserting tool	Wire-thread inserts	Inserts quantity
E011/M260X150	€ 274,00	M 26 x 1.5	E011/M260X150M	E011/UM260X150	E010/M260X150E15	10
E011/M270X150	€ 274,00	M 27 x 1.5	E011/M270X150M	E011/UM270X150	E010/M270X150E15	10
E011/M270X200	€ 274,00	M 27 x 2.0	E011/M270X200M	E011/UM270X200	E010/M270X200E15	10
E011/M270X300	€ 274,00	M 27 x 3.0	E011/M270X300M	E011/UM270X300	E010/M270X300E15	10
E011/M280X150	€ 274,00	M 28 x 1.5	E011/M280X150M	E011/UM280X150	E010/M280X150E15	10
E011/M300X150	€ 326,00	M 30 x 1.5	E011/M300X150M	E011/UM300X150	E010/M300X150E15	10
E011/M300X200	€ 326,00	M 30 x 2.0	E011/M300X200M	E011/UM300X200	E010/M300X200E15	10
E011/M300X350	€ 326,00	M 30 x 3.5	E011/M300X350M	E011/UM300X350	E010/M300X350E15	10
E011/M330X200	€ 336,00	M 33 x 2.0	E011/M330X200M	E011/UM330X200	E010/M330X200E15	10
E011/M330X350	€ 336,00	M 33 x 3.5	E011/M330X350M	E011/UM330X350	E010/M330X350E15	10
E011/M360X150	€ 359,00	M 36 x 1.5	E011/M360X150M	E011/UM360X150	E010/M360X150E15	10
E011/M360X200	€ 359,00	M 36 x 2.0	E011/M360X200M	E011/UM360X200	E010/M360X200E15	10
E011/M360X300	€ 359,00	M 36 x 3.0	E011/M360X300M	E011/UM360X300	E010/M360X300E15	10
E011/M360X400	€ 359,00	M 36 x 4.0	E011/M360X400M	E011/UM360X400	E010/M360X400E15	10
E011/M390X300	€ 456,00	M 39 x 3.0	E011/M390X300M	E011/UM390X300	E010/M390X300E15	10
E011/M390X400	€ 522,00	M 39 x 4.0	E011/M390X400M	E011/UM390X400	E010/M390X400E15	10
E011/M400X300	€ 522,00	M 40 x 3.0	E011/M400X300M	E011/UM400X300	E010/M400X300E15	10
E011/M420X300	€ 522,00	M 42 x 3.0	E011/M420X300M	E011/UM420X300	E010/M420X300E15	10
E011/M420X450	€ 700,00	M 42 x 4.5	E011/M420X450M	E011/UM420X450	E010/M420X450E15	10
E011/M450X300	€ 633,00	M 45 x 3.0	E011/M450X300M	E011/UM450X300	E010/M450X300E15	10
E011/M450X450	€ 722,00	M 45 x 4.5	E011/M450X450M	E011/UM450X450	E010/M450X450E15	10
E011/M480X300	€ 633,00	M 48 x 3.0	E011/M480X300M	E011/UM480X300	E010/M480X300E15	10
E011/M480X500	€ 884,00	M 48 x 5.0	E011/M480X500M	E011/UM480X500	E010/M480X500E15	10
E011/M500X300	€ 700,00	M 50 x 3.0	E011/M500X300M	E011/UM500X300	E010/M500X300E15	10
E011/M520X300	€ 945,00	M 52 x 3.0	E011/M520X300M	E011/UM520X300	E010/M520X300E15	10
E011/M520X500	€ 1100,00	M 52 x 5.0	E011/M520X500M	E011/UM520X500	E010/M520X500E15	10

E011-MXC

SPARK PLUG METRIC THREAD REPAIR F-COIL SET

Specific for repairs or reinforcement of spark plug seats

HSS INOX



Art.	€	Size	Inserting tool	STI Taps	Wire-thread inserts
E011/M060X100C	€ 41,60	M 6 x 1.0	E011/U09	E011/M060X100M	10
E011/M080X125C	€ 41,60	M 8 x 1.25	E011/U11	E011/M080X125M	10
E011/M100X100C	€ 44,10	M 10 x 1.0	E011/U13	E011/M100X100M	10
E011/M100X125C	€ 44,10	M 10 x 1.25	E011/U13	E011/M100X125M	10
E011/M100X150C	€ 44,10	M 10 x 1.5	E011/U13	E011/M100X150M	10
E011/M120X125C	€ 52,20	M 12 x 1.25	E011/U15	E011/M120X125M	10
E011/M140X125C	€ 59,30	M 14 x 1.25	E011/U17	E011/M140X125M	5 x E010/M140X125E084 - 5 x E010/M140X125E124 - 5 x E010/M140X

E010-MXEXC

STAINLESS STEEL THREAD REPAIR INSERT

Specific for repairs or reinforcement of spark plug seats. With rhomboidal section, with spring shape, which creates two perfectly concentric threads; an external one that mates with the threaded hole previously made and an internal one that receives the screw

HSS INOX



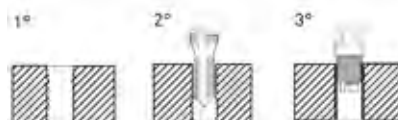
Art.	€	Dimensions	H	Pack
E010/M140X125E084	€ 0,76	M 14 x 1.25	8.4 mm	10
E010/M140X125E124	€ 0,68	M 14 x 1.25	12.4 mm	10
E010/M140X125E164	€ 0,75	M 14 x 1.25	16.4 mm	10

E011/M140X125B

€ 63,10

METRIC SPARK PLUG SOLID THREAD REPAIR SET

Specific for repairs or reinforcement of spark plug seats



HSS INOX

STI Taps	E011/M140X125MCB
Wire-thread inserts	4 x H 9.5 mm - 4 x H 11.2 mm - 4 x H 12.7 mm - 4 x H 17.5 mm

E011-M140X125EX

SOLID THREAD INSERT SPARK PLUG SET

Specific for repairs or reinforcement of spark plug seats

HSS INOX



Art.	€	Size	H	Pack
E011/M140X125E095	€ 3,72	M 14 x 1.25	9.5 mm	10
E011/M140X125E112	€ 3,90	M 14 x 1.25	11.2 mm	10
E011/M140X125E127	€ 3,90	M 14 x 1.25	12.7 mm	10
E011/M140X125E175	€ 4,15	M 14 x 1.25	17.5 mm	10

E011/M140X125MCB

€ 37,20

METRIC COMBINED TAP FOR SOLID INSERT

Specific for the creation of reset threads on spark plug seats

HSS INOX

Size	M 16 x 1.25
Hexagon	18 mm
L	70 mm
l	32mm



HSS INOX

Sizes	8 mm - 10 mm - 12 mm
STI Taps	M8x1 - M10x1 - M10x1.25 - M12x1 - M12x1.25 - M14x1.25



E011/MC

€ 184,00

METRIC GLOW PLUG SOLID THREAD REPAIR SET

Specific for repairs or reinforcement of glow plug seats



E011/BSW

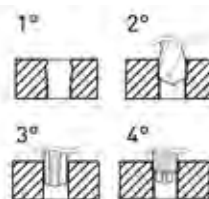
€ 218,00

1/4-1/2 BSW THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials

115 Pcs
 Carrying case
HSS INOX

Sizes	BSW 1/4" - 1/2"
STI Taps	1/4"x20-5/16"x18-3/8"x16-7/16"x14-1/2"x12
Drills	6.6 mm - 8.3 mm - 9.9 mm - 11.5 mm - 13.0 mm
Wire-thread inserts	1/4"=25 5/16"=25 3/8"=25 7/16"=10 1/2"=10
Inserting tool	5 Pcs
Tang break tool	5 Pcs



E011-BSWX

BSW THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials

Hangable
HSS INOX

Art.	€	Thread	Boring bit	STI Taps	Inserting tool	Tang break tool	Wire-thread inserts	Inserts quantity
E011/BSW1/8	€ 34,20	1/8" x 40	Ø 3.4 mm	E011/BSW1/8M	E011/U04	E011/A4	E010/BSW1/8E15	20
E011/BSW3/16	€ 34,20	3/16" x 24	Ø 5.0 mm	E011/BSW3/16M	E011/U08	E011/A8	E010/BSW3/16E15	20
E011/BSW1/4	€ 31,10	1/4" x 20	Ø 6.7 mm	E011/BSW1/4M	E011/U09	E011/A9	E010/BSW1/4E15	20
E011/BSW5/16	€ 37,50	5/16" x 18	Ø 8.3 mm	E011/BSW5/16M	E011/U10	E011/A11	E010/BSW5/16E15	20
E011/BSW3/8	€ 39,90	3/8" x 16	Ø 9.9 mm	E011/BSW3/8M	E011/U12	E011/A12	E010/BSW3/8E15	15
E011/BSW7/16	€ 44,40	7/16" x 14	Ø 11.5 mm	E011/BSW7/16M	E011/U14	E011/A14	E010/BSW7/16E15	10
E011/BSW1/2	€ 48,40	1/2" x 12	Ø 13.0 mm	E011/BSW1/2M	E011/U15	E011/A15	E010/BSW1/2E15	10
E011/BSW9/16	€ 63,90	9/16" x 12	-	E011/BSW9/16M	E011/U16	-	E010/BSW9/16E15	10
E011/BSW5/8	€ 63,90	5/8" x 11	-	E011/BSW5/8M	E011/U18	-	E010/BSW5/8E15	10
E011/BSW3/4	€ 80,80	3/4" x 10	-	E011/BSW3/4M	E011/U20	-	E010/BSW3/4E15	5
E011/BSW7/8	€ 97,60	7/8" x 9	-	E011/BSW7/8M	E011/U22	-	E010/BSW7/8E15	5
E011/BSW1	€ 93,20	1" x 8	-	E011/BSW1M	E011/U23	-	E010/BSW1E15	4



E011/BSF

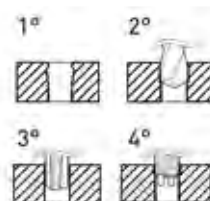
€ 218,00

1/4-1/2 BSF THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials

115 Pcs
 Carrying case
HSS

Sizes	BSF 1/4" - 1/2"
STI Taps	1/4"x26-5/16"x22-3/8"x20-7/16"x18-1/2"x16
Drills	6.6 mm - 8.3 mm - 9.9 mm - 11.5 mm - 13.0 mm
Wire-thread inserts	1/4"=25 5/16"=25 3/8"=25 7/16"=10 - 1/2"=10
Inserting tool	5 Pcs
Tang break tool	5 Pcs



E011-BSFX

BSF THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials

Hangable
HSS INOX

Art.	€	Thread	Boring bit	STI Taps	Inserting tool	Tang break tool	Wire-thread inserts	Inserts quantity
E011/BSF3/16	€ 34,20	3/16" x 32	Ø 5.0 mm	E011/BSF3/16M	E011/U07	E011/A06	E010/BSF3/16E15	20
E011/BSF1/4	€ 31,10	1/4" x 26	Ø 6.6 mm	E011/BSF1/4M	E011/U09	E011/A09	E010/BSF1/4E15	20
E011/BSF5/16	€ 37,50	5/16" x 22	Ø 8.3 mm	E011/BSF5/16M	E011/U11	E011/A11	E010/BSF5/16E15	20
E011/BSF3/8	€ 39,90	3/8" x 20	Ø 9.9 mm	E011/BSF3/8M	E011/U13	E011/A13	E010/BSF3/8E15	15
E011/BSF7/16	€ 44,40	7/16" x 18	Ø 11.5 mm	E011/BSF7/16M	E011/U14	E011/A14	E010/BSF7/16E15	10
E011/BSF1/2	€ 48,40	1/2" x 16	Ø 13.0 mm	E011/BSF1/2M	E011/U15	E011/A15	E010/BSF1/2E15	10
E011/BSF9/16	€ 63,90	9/16" x 16	-	E011/BSF9/16M	E011/U16	-	E010/BSF9/16E15	10
E011/BSF5/8	€ 63,90	5/8" x 14	-	E011/BSF5/8M	E011/U18	-	E010/BSF5/8E15	10
E011/BSF3/4	€ 80,80	3/4" x 12	-	E011/BSF3/4M	E011/U20	-	E010/BSF3/4E15	5
E011/BSF7/8	€ 97,60	7/8" x 11	-	E011/BSF7/8M	E011/U22	-	E010/BSF7/8E15	5
E011/BSF1	€ 93,20	1" x 10	-	E011/BSF1M	E011/U23	-	E010/BSF1E15	4

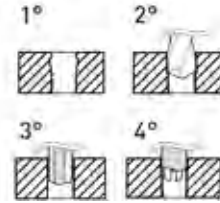


E011-BSPX
BSP THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials

Hangable

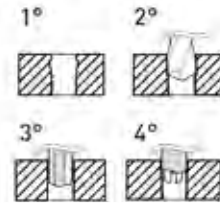
Art.	€	Thread	Taps	Wire-thread inserts	Inserts quantity
E011/BSP1/8	€ 69,60	1/8" x 28	E011/BSP1/8M	E010/BSP1/8ME15	10
E011/BSP1/4	€ 78,40	1/4" x 19	E011/BSP1/4M	E010/BSP1/4ME15	10
E011/BSP3/8	€ 86,10	3/8" x 19	E011/BSP3/8M	E010/BSP3/8ME15	10
E011/BSP1/2	€ 110,00	1/2" x 14	E011/BSP1/2M	E010/BSP1/2ME15	10
E011/BSP5/8	€ 224,00	5/8" x 14	E011/BSP5/8M	E010/BSP5/8ME15	10
E011/BSP3/4	€ 224,00	3/4" x 14	E011/BSP3/4M	E010/BSP3/4ME15	10
E011/BSP7/8	€ 311,00	7/8" x 14	E011/BSP7/8M	E010/BSP7/8ME15	10
E011/BSP1	€ 314,00	1" x 11	E011/BSP1M	E010/BSP1ME15	10


E011/UNC
€ 218,00
1/4-1/2 UNC THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials

115 Pcs
Carrying case

Sizes	UNC 1/4" - 1/2"
STI Taps	1/4"x20-5/16"x18-3/8"x16-7/16"x14-1/2"x13
Drills	6.7 mm - 8.6.7 mm - 8.3 mm - 9.9 mm - 11.6 mm - 13.0 mm 3 mm - 9.
Wire-thread inserts	1/4"=25 5/16"=25 3/8"=25 7/16"=10 1/2"=10
Inserting tool	5 Pcs
Tang break tool	5 Pcs


E011-UNCX
UNC THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials

Art.	€	Thread	Drills	STI Taps	Inserting tool	Tang break tool	Wire-thread inserts	Inserts quantity
E011/UNCN02	€ 36,80	No. 2 x 56	Ø 2.4 mm	E011/UNCN02M	E011/U02	E011/A02	E010/UNCN02E15	20
E011/UNCN04	€ 33,40	No. 4 x 40	Ø 3.1 mm	E011/UNCN04M	E011/U04	E011/A04	E010/UNCN04E15	20
E011/UNCN05	€ 33,40	No. 5 x 40	Ø 3.4 mm	E011/UNCN05M	E011/U04	E011/A04	E010/UNCN05E15	20
E011/UNCN06	€ 33,40	No. 6 x 32	Ø 3.8 mm	E011/UNCN06M	E011/U05	E011/A05	E010/UNCN06E15	20
E011/UNCN08	€ 33,40	No. 8 x 32	Ø 4.4 mm	E011/UNCN08M	E011/U06	E011/A06	E010/UNCN08E15	20
E011/UNCN10	€ 33,40	No. 10 x 24	Ø 5.2 mm	E011/UNCN10M	E011/U07	E011/A06	E010/UNCN10E15	20
E011/UNCN12	€ 33,40	No. 12 x 24	Ø 5.8 mm	E011/UNCN12M	E011/U08	E011/A08	E010/UNCN12E15	20
E011/UNC1/4	€ 30,20	1/4" x 20	Ø 6.7 mm	E011/UNC1/4M	E011/U09	E011/A09	E010/UNC1/4E15	20
E011/UNC5/16	€ 36,70	5/16" x 18	Ø 8.3 mm	E011/UNC5/16M	E011/U10	E011/A11	E010/UNC5/16E15	20
E011/UNC3/8	€ 39,00	3/8" x 16	Ø 9.9 mm	E011/UNC3/8M	E011/U06	E011/A06	E010/UNC3/8E15	20
E011/UNC7/16	€ 43,50	7/16" x 14	Ø 11.6 mm	E011/UNC7/16M	E011/U14	E011/A14	E010/UNC7/16E15	10
E011/UNC1/2	€ 47,60	1/2" x 13	Ø 13.0 mm	E011/UNC1/2M	E011/U15	E011/A15	E010/UNC1/2E15	10
E011/UNC9/16	€ 63,00	9/16" x 12	-	E011/UNC9/16M	E011/U16	-	E010/UNC9/16E15	10
E011/UNC5/8	€ 63,00	5/8" x 1	-	E011/UNC5/8M	E011/U18	-	E010/UNC5/8E15	10
E011/UNC3/4	€ 79,90	3/4" x 10	-	E011/UNC3/4M	E011/U20	-	E010/UNC3/4E15	5
E011/UNC7/8	€ 96,70	7/8" x 9	-	E011/UNC7/8M	E011/U22	-	E010/UNC7/8E15	5
E011/UNC1	€ 92,30	1" x 8	-	E011/UNC1M	E011/U23	-	E010/UNC1E15	4

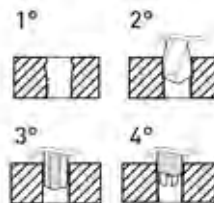
Hangable

E011/UNF
€ 218,00
1/4-1/2 UNF THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials

115 Pcs
Carrying case

Sizes	UNF 1/4" - 1/2"
STI Taps	1/4"x28-5/16"x24-3/8"x24-7/16"x20-1/2"x20
Drills	6.7 mm - 8.3 mm - 9.8 mm - 11.5 mm - 13.0 mm
Wire-thread inserts	1/4"=25 5/16"=25 3/8"=25 7/16"=10 - 1/2"=10
Inserting tool	5 Pcs
Tang break tool	5 Pcs





E011-UNFX

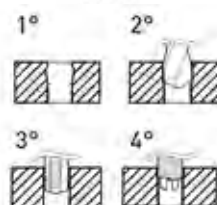
UNF THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials

HSS
INOX

Hangable

Art.	€	Thread	Drills	STI Taps	Inserting tool	Tang break tool	Wire-thread inserts	Inserts quantity
E011/UNFN06	€ 33,40	No. 6 x 40	Ø 3.8 mm	E011/UNFN06M	E011/U05	E011/A05	E010/UNFN06E15	20
E011/UNFN08	€ 33,40	No. 8 x 36	Ø 4.4 mm	E011/UNFN08M	E011/U06	E011/A06	E010/UNFN08E15	20
E011/UNFN10	€ 33,40	No. 10 x 32	Ø 5.1 mm	E011/UNFN10M	E011/U08	E011/A08	E010/UNFN10E15	20
E011/UNF1/4	€ 30,20	1/4" x 28	Ø 6.7 mm	E011/UNF1/4M	E011/U09	E011/A09	E010/UNF1/4E15	20
E011/UNF5/16	€ 36,70	5/16" x 24	Ø 8.3 mm	E011/UNF5/16M	E011/U11	E011/A11	E010/UNF5/16E15	20
E011/UNF3/8	€ 39,00	3/8" x 24	Ø 9.8 mm	E011/UNF3/8M	E011/U13	E011/A13	E010/UNF3/8E15	15
E011/UNF7/16	€ 43,50	7/16" x 20	Ø 11.5 mm	E011/UNF7/16M	E011/U14	E011/A14	E010/UNF7/16E15	10
E011/UNF1/2	€ 47,60	1/2" x 20	Ø 13.0 mm	E011/UNF1/2M	E011/U15	E011/A15	E010/UNF1/2E15	10
E011/UNF9/16	€ 63,00	9/16" x 18	-	E011/UNF9/16M	E011/U16	-	E010/UNF9/16E15	10
E011/UNF5/8	€ 63,00	5/8" x 18	-	E011/UNF5/8M	E011/U18	-	E010/UNF5/8E15	10
E011/UNF3/4	€ 79,90	3/4" x 16	-	E011/UNF3/4M	E011/U21	-	E010/UNF3/4E15	5
E011/UNF7/8	€ 96,70	7/8" x 14	-	E011/UNF7/8M	E011/U22	-	E010/UNF7/8E15	5
E011/UNF1	€ 92,30	1" x 12	-	E011/UNF112M	E011/U23	-	E010/UNF1E15	4



E010-MXE1

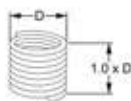
STAINLESS STEEL THREAD REPAIR INSERT H=1XD

Rhomboid section, with spring shape, which creates two perfectly concentric threads; an external one that is coupled with the previously threaded hole with the appropriate male and an internal one where the fixing screw will be screwed



INOX

Hangable



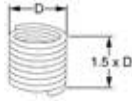
Art.	€	D	Pack
E010/M020X040E1	€ 0,65	M 2 x 0.4	25
E010/M022X045E1	€ 0,65	M 2.2 x 0.45	25
E010/M025X045E1	€ 0,20	M 2.5 x 0.45	25
E010/M030X050E1	€ 0,20	M 3 x 0.5	25
E010/M035X060E1	€ 0,22	M 3.5 x 0.6	25
E010/M040X070E1	€ 0,20	M 4 x 0.7	25
E010/M050X080E1	€ 0,22	M 5 x 0.8	25
E010/M060X100E1	€ 0,25	M 6 x 1.0	25
E010/M070X100E1	€ 0,26	M 7 x 1.0	25
E010/M080X100E1	€ 0,29	M 8 x 1.0	25
E010/M080X125E1	€ 0,25	M 8 x 1.25	25
E010/M090X125E1	€ 0,35	M 9 x 1.25	25
E010/M100X100E1	€ 0,31	M 10 x 1.0	25
E010/M100X125E1	€ 0,31	M 10 x 1.25	25
E010/M100X150E1	€ 0,31	M 10 x 1.5	25
E010/M110X150E1	€ 0,53	M 11 x 1.5	10
E010/M120X100E1	€ 0,47	M 12 x 1.0	10
E010/M120X125E1	€ 0,47	M 12 x 1.25	10
E010/M120X150E1	€ 0,47	M 12 x 1.5	10
E010/M120X175E1	€ 0,47	M 12 x 1.75	10
E010/M140X100E1	€ 0,80	M 14 x 1.0	10
E010/M140X125E1	€ 0,66	M 14 x 1.25	10
E010/M140X150E1	€ 0,66	M 14 x 1.5	10
E010/M140X200E1	€ 0,66	M 14 x 2.0	10
E010/M160X150E1	€ 0,90	M 16 x 1.5	10
E010/M160X200E1	€ 0,90	M 16 x 2.0	10
E010/M180X150E1	€ 1,30	M 18 x 1.5	10
E010/M180X200E1	€ 1,30	M 18 x 2.0	10
E010/M180X250E1	€ 1,30	M 18 x 2.5	10
E010/M200X150E1	€ 1,52	M 20 x 1.5	10
E010/M200X200E1	€ 1,52	M 20 x 2.0	10
E010/M200X250E1	€ 1,52	M 20 x 2.5	10
E010/M220X150E1	€ 1,65	M 22 x 1.5	5
E010/M220X200E1	€ 1,65	M 22 x 2.0	5
E010/M220X250E1	€ 1,65	M 22 x 2.5	5
E010/M240X150E1	€ 2,07	M 24 x 1.5	5
E010/M240X200E1	€ 2,07	M 24 x 2.0	5
E010/M240X300E1	€ 2,07	M 24 x 3.0	5



E010-MXE15

STAINLESS STEEL THREAD REPAIR INSERT H=1.5XD

Rhomboid section, with spring shape, which creates two perfectly concentric threads; an external one that is coupled with the previously threaded hole with the appropriate male and an internal one where the fixing screw will be screwed

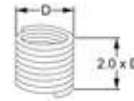


Art.	€	D	Pack
E010/M020X040E15	€ 0,84	M 2 x 0.4	25
E010/M022X045E15	€ 0,84	M 2.2 x 0.45	25
E010/M025X045E15	€ 0,21	M 2.5 x 0.45	25
E010/M030X050E15	€ 0,21	M 3 x 0.5	25
E010/M035X060E15	€ 0,25	M 3.5 x 0.6	25
E010/M040X070E15	€ 0,21	M 4 x 0.7	25
E010/M050X080E15	€ 0,19	M 5 x 0.8	25
E010/M060X100E15	€ 0,20	M 6 x 1.0	25
E010/M070X100E15	€ 0,31	M 7 x 1.0	25
E010/M080X100E15	€ 0,29	M 8 x 1.0	25
E010/M080X125E15	€ 0,25	M 8 x 1.25	25
E010/M090X100E15	€ 0,55	M 9 x 1.0	25
E010/M090X125E15	€ 0,47	M 9 x 1.25	25
E010/M100X100E15	€ 0,35	M 10 x 1.0	25
E010/M100X125E15	€ 0,35	M 10 x 1.25	25
E010/M100X150E15	€ 0,35	M 10 x 1.5	25
E010/M110X150E15	€ 0,59	M 11 x 1.5	10
E010/M120X100E15	€ 0,54	M 12 x 1.0	10
E010/M120X125E15	€ 0,54	M 12 x 1.25	10
E010/M120X150E15	€ 0,54	M 12 x 1.5	10
E010/M120X175E15	€ 0,54	M 12 x 1.75	10
E010/M140X100E15	€ 0,64	M 14 x 1.0	10
E010/M140X125E15	€ 0,64	M 14 x 1.25	10
E010/M140X150E15	€ 0,64	M 14 x 1.50	10
E010/M140X200E15	€ 0,64	M 14 x 2.0	10
E010/M160X150E15	€ 0,74	M 16 x 1.5	10
E010/M160X200E15	€ 0,74	M 16 x 2.0	10
E010/M180X150E15	€ 1,14	M 18 x 1.5	10
E010/M180X200E15	€ 1,14	M 18 x 2.0	10
E010/M180X250E15	€ 1,14	M 18 x 2.5	10
E010/M200X150E15	€ 1,46	M 20 x 1.5	10
E010/M200X200E15	€ 1,46	M 20 x 2.0	10
E010/M200X250E15	€ 1,46	M 20 x 2.5	10
E010/M220X150E15	€ 2,07	M 22 x 1.5	5
E010/M220X200E15	€ 2,07	M 22 x 2.0	5
E010/M220X250E15	€ 2,07	M 22 x 2.5	5
E010/M240X150E15	€ 2,20	M 24 x 1.5	5
E010/M240X200E15	€ 2,20	M 24 x 2.0	5
E010/M240X300E15	€ 2,20	M 24 x 3.0	5
E010/M260X150E15	€ 4,12	M 26 x 1.5	5
E010/M270X150E15	€ 4,12	M 27 x 1.5	5
E010/M270X200E15	€ 4,12	M 27 x 2.0	5
E010/M270X300E15	€ 4,12	M 27 x 3.0	5
E010/M280X150E15	€ 4,12	M 28 x 1.5	5
E010/M300X150E15	€ 5,00	M 30 x 1.5	5
E010/M300X200E15	€ 5,00	M 30 x 2.0	5
E010/M300X350E15	€ 5,00	M 30 x 3.5	5
E010/M330X200E15	€ 5,90	M 33 x 2.0	5
E010/M330X350E15	€ 5,90	M 33 x 3.5	5
E010/M360X150E15	€ 5,90	M 36 x 1.5	5
E010/M360X200E15	€ 5,90	M 36 x 2.0	5
E010/M360X300E15	€ 5,90	M 36 x 3.0	5
E010/M360X400E15	€ 5,90	M 36 x 4.0	5
E010/M390X300E15	€ 13,00	M 39 x 3.0	5
E010/M390X400E15	€ 13,00	M 39 x 4.0	5
E010/M400X300E15	€ 18,10	M 40 x 3.0	5
E010/M420X300E15	€ 18,10	M 42 x 3.0	5
E010/M420X450E15	€ 18,10	M 42 x 4.5	5
E010/M450X300E15	€ 21,70	M 45 x 3.0	5
E010/M450X450E15	€ 21,70	M 45 x 4.5	5
E010/M480X300E15	€ 21,70	M 48 x 3.0	5
E010/M480X500E15	€ 28,50	M 48 x 5.0	5
E010/M500X300E15	€ 28,50	M 50 x 3.0	5
E010/M520X300E15	€ 30,60	M 52 x 3.0	5
E010/M520X500E15	€ 30,60	M 52 x 5.0	5

E010-MXE2

STAINLESS STEEL THREAD REPAIR INSERT H=2XD

Rhomboid section, with spring shape, which creates two perfectly concentric threads; an external one that is coupled with the previously threaded hole with the appropriate male and an internal one where the fixing screw will be screwed



Art.	€	D	Pack
E010/M020X040E2	€ 0,98	M 2 x 0.4	25
E010/M022X045E2	€ 0,98	M 2.2 x 0.45	25
E010/M025X045E2	€ 0,22	M 2.5 x 0.45	25
E010/M030X050E2	€ 0,22	M 3 x 0.5	25
E010/M035X060E2	€ 0,25	M 3.5 x 0.6	25
E010/M040X070E2	€ 0,22	M 4 x 0.7	25
E010/M050X080E2	€ 0,25	M 5 x 0.8	25
E010/M060X100E2	€ 0,29	M 6 x 1.0	25
E010/M070X100E2	€ 0,35	M 7 x 1.0	25
E010/M080X100E2	€ 0,37	M 8 x 1.0	25
E010/M080X125E2	€ 0,35	M 8 x 1.25	25
E010/M090X125E2	€ 0,47	M 9 x 1.25	25
E010/M100X100E2	€ 0,40	M 10 x 1.0	25
E010/M100X125E2	€ 0,40	M 10 x 1.25	25
E010/M100X150E2	€ 0,40	M 10 x 1.5	25
E010/M110X150E2	€ 0,64	M 11 x 1.5	10
E010/M120X100E2	€ 0,61	M 12 x 1.0	10
E010/M120X125E2	€ 0,61	M 12 x 1.25	10
E010/M120X150E2	€ 0,61	M 12 x 1.5	10
E010/M120X175E2	€ 0,61	M 12 x 1.75	10
E010/M140X100E2	€ 0,79	M 14 x 1.0	10
E010/M140X125E2	€ 0,79	M 14 x 1.25	10
E010/M140X150E2	€ 0,79	M 14 x 1.5	10
E010/M140X200E2	€ 0,79	M 14 x 2.0	10
E010/M160X150E2	€ 1,16	M 16 x 1.5	10
E010/M160X200E2	€ 1,16	M 16 x 2.0	10
E010/M180X150E2	€ 2,07	M 18 x 1.5	10
E010/M180X200E2	€ 2,07	M 18 x 2.0	10
E010/M180X250E2	€ 2,07	M 18 x 2.5	10
E010/M200X150E2	€ 2,47	M 20 x 1.5	10
E010/M200X200E2	€ 2,47	M 20 x 2.0	10
E010/M200X250E2	€ 2,47	M 20 x 2.5	10
E010/M220X150E2	€ 2,62	M 22 x 1.5	5
E010/M220X200E2	€ 2,62	M 22 x 2.0	5
E010/M220X250E2	€ 2,62	M 22 x 2.5	5
E010/M240X150E2	€ 2,74	M 24 x 1.5	5
E010/M240X200E2	€ 2,74	M 24 x 2.0	5
E010/M240X300E2	€ 2,74	M 24 x 3.0	5



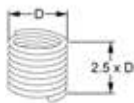
E010-MXE25

STAINLESS STEEL THREAD REPAIR INSERT H=2.5XD

Rhomboid section, with spring shape, which creates two perfectly concentric threads; an external one that is coupled with the previously threaded hole with the appropriate male and an internal one where the fixing screw will be screwed



INOX



Art.	€	D	Pack
E010/M020X040E25	€ 1,10	2 x 0.4	25
E010/M022X045E25	€ 1,10	2.2 x 0.45	25
E010/M025X045E25	€ 0,26	2.5 x 0.45	25
E010/M030X050E25	€ 0,26	3 x 0.5	25
E010/M035X060E25	€ 0,29	3.5 x 0.6	25
E010/M040X070E25	€ 0,26	4 x 0.7	25
E010/M050X080E25	€ 0,30	5 x 0.8	25
E010/M060X100E25	€ 0,35	6 x 1.0	25
E010/M070X100E25	€ 0,42	7 x 1.0	25
E010/M080X100E25	€ 0,44	8 x 1.0	25
E010/M080X125E25	€ 0,42	8 x 1.25	25
E010/M090X125E25	€ 0,52	9 x 1.25	25
E010/M100X100E25	€ 0,48	10 x 1.0	25
E010/M100X125E25	€ 0,48	10 x 1.25	25
E010/M100X150E25	€ 0,48	10 x 1.5	25
E010/M110X150E25	€ 0,72	11 x 1.5	10
E010/M120X100E25	€ 0,72	12 x 1.0	10
E010/M120X125E25	€ 0,72	12 x 1.25	10
E010/M120X150E25	€ 0,72	12 x 1.5	10
E010/M120X175E25	€ 0,72	12 x 1.75	10
E010/M140X100E25	€ 0,95	14 x 1.0	10
E010/M140X125E25	€ 0,95	14 x 1.25	10
E010/M140X150E25	€ 0,95	14 x 1.5	10
E010/M140X200E25	€ 0,95	14 x 2.0	10
E010/M160X150E25	€ 1,26	16 x 1.5	10
E010/M160X200E25	€ 1,26	16 x 2.0	10
E010/M180X150E25	€ 2,34	18 x 1.5	10
E010/M180X200E25	€ 2,34	18 x 2.0	10
E010/M180X250E25	€ 2,34	18 x 2.5	10
E010/M200X150E25	€ 2,74	20 x 1.5	10
E010/M200X200E25	€ 2,74	20 x 2.0	10
E010/M200X250E25	€ 2,74	20 x 2.5	10
E010/M220X150E25	€ 3,02	22 x 1.5	5
E010/M220X200E25	€ 3,02	22 x 2.0	5
E010/M220X250E25	€ 3,02	22 x 2.5	5
E010/M240X150E25	€ 3,29	24 x 1.5	5
E010/M240X200E25	€ 3,29	24 x 2.0	5
E010/M240X300E25	€ 3,29	24 x 3.0	5

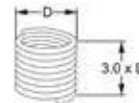
E010-MXE3

STAINLESS STEEL THREAD REPAIR INSERT H=3XD

Rhomboid section, with spring shape, which creates two perfectly concentric threads; an external one that is coupled with the previously threaded hole with the appropriate male and an internal one where the fixing screw will be screwed



INOX



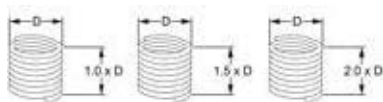
Art.	€	D	Pack
E010/M020X040E3	€ 1,37	M 2 x 0.4	25
E010/M022X045E3	€ 1,37	M 2.2 x 0.45	25
E010/M025X045E3	€ 0,31	M 2.5 x 0.45	25
E010/M030X050E3	€ 0,31	M 3 x 0.5	25
E010/M035X060E3	€ 0,35	M 3.5 x 0.6	25
E010/M040X070E3	€ 0,29	M 4 x 0.7	25
E010/M050X080E3	€ 0,36	M 5 x 0.8	25
E010/M060X100E3	€ 0,43	M 6 x 1.0	25
E010/M070X100E3	€ 0,49	M 7 x 1.0	25
E010/M080X100E3	€ 0,54	M 8 x 1.0	25
E010/M080X125E3	€ 0,49	M 8 x 1.25	25
E010/M090X125E3	€ 0,61	M 9 x 1.25	25
E010/M100X100E3	€ 0,58	M 10 x 1.0	25
E010/M100X125E3	€ 0,58	M 10 x 1.25	25
E010/M100X150E3	€ 0,58	M 10 x 1.5	25
E010/M110X150E3	€ 0,86	M 11 x 1.5	10
E010/M120X100E3	€ 0,86	M 12 x 1.0	10
E010/M120X125E3	€ 0,86	M 12 x 1.25	10
E010/M120X150E3	€ 0,86	M 12 x 1.5	10
E010/M120X175E3	€ 0,86	M 12 x 1.75	10
E010/M140X100E3	€ 1,16	M 14 x 1.0	10
E010/M140X125E3	€ 1,16	M 14 x 1.25	10
E010/M140X150E3	€ 1,16	M 14 x 1.5	10
E010/M140X200E3	€ 1,37	M 14 x 2.0	10
E010/M160X150E3	€ 1,37	M 16 x 1.5	10
E010/M160X200E3	€ 1,37	M 16 x 2.0	10
E010/M180X150E3	€ 2,74	M 18 x 1.5	10
E010/M180X200E3	€ 2,74	M 18 x 2.0	10
E010/M180X250E3	€ 2,74	M 18 x 2.5	10
E010/M200X150E3	€ 3,17	M 20 x 1.5	10
E010/M200X200E3	€ 3,17	M 20 x 2.0	10
E010/M200X250E3	€ 3,17	M 20 x 2.5	10
E010/M220X150E3	€ 3,44	M 22 x 1.5	5
E010/M220X200E3	€ 3,44	M 22 x 2.0	5
E010/M220X250E3	€ 3,44	M 22 x 2.5	5
E010/M240X150E3	€ 3,84	M 24 x 1.5	5
E010/M240X200E3	€ 3,84	M 24 x 2.0	5
E010/M240X300E3	€ 3,84	M 24 x 3.0	5



E010-MXEXA

SELF-LOCK STAINLESS STEEL THREAD REPAIR INSERT

Rhomboid section, with spring shape, which creates two perfectly concentric threads; an external one that is coupled with the previously threaded hole with the appropriate male and an internal one where the fixing screw will be screwed

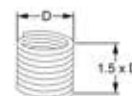


Art.	€	D	Height	Pack
E010/M030X050E1A	€ 0,30	M 3 x 0.5	1.0 D	25
E010/M040X070E1A	€ 0,30	M 4 x 0.7	1.0 D	25
E010/M050X080E1A	€ 0,35	M 5 x 0.8	1.0 D	25
E010/M060X100E1A	€ 0,38	M 6 x 1.0	1.0 D	25
E010/M080X125E1A	€ 0,40	M 8 x 1.25	1.0 D	25
E010/M100X150E1A	€ 0,52	M 10 x 1.5	1.0 D	25
E010/M120X175E1A	€ 0,74	M 12 x 1.75	1.0 D	10
E010/M140X200E1A	€ 1,07	M 14 x 2.0	1.0 D	10
E010/M160X200E1A	€ 1,43	M 16 x 2.0	1.0 D	10
E010/M030X050E15A	€ 0,33	M 3 x 0.5	1.5 D	25
E010/M040X070E15A	€ 0,33	M 4 x 0.7	1.5 D	25
E010/M050X080E15A	€ 0,36	M 5 x 0.8	1.5 D	25
E010/M060X100E15A	€ 0,42	M 6 x 1.0	1.5 D	25
E010/M080X125E15A	€ 0,46	M 8 x 1.5	1.5 D	25
E010/M100X150E15A	€ 0,55	M 10 x 1.5	1.5 D	25
E010/M120X175E15A	€ 0,85	M 12 x 1.75	1.5 D	10
E010/M140X200E15A	€ 1,21	M 14 x 2.0	1.5 D	10
E010/M160X200E15A	€ 1,50	M 16 x 2.0	1.5 D	10
E010/M030X050E2A	€ 0,35	M 3 x 0.5	2.0 D	25
E010/M040X070E2A	€ 0,35	M 4 x 0.7	2.0 D	25
E010/M050X080E2A	€ 0,40	M 5 x 0.8	2.0 D	25
E010/M060X100E2A	€ 0,46	M 6 x 1.0	2.0 D	25
E010/M080X125E2A	€ 0,55	M 8 x 1.25	2.0 D	25
E010/M100X150E2A	€ 0,64	M 10 x 1.5	2.0 D	25
E010/M120X175E2A	€ 0,97	M 12 x 1.75	2.0 D	10
E010/M140X200E2A	€ 1,26	M 14 x 2.0	2.0 D	10
E010/M160X200E2A	€ 1,84	M 16 x 2.0	2.0 D	10

E010-BSWXEX

STAINLESS STEEL THREAD REPAIR INSERT BSW H=1.5XD

Rhomboid section, with spring shape, which creates two perfectly concentric threads; an external one that is coupled with the previously threaded hole with the appropriate male and an internal one where the fixing screw will be screwed



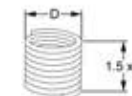
Hangable

Art.	€	D	Pack
E010/BSW1/8E15	€ 1,01	1/8" x 40	10
E010/BSW3/16E15	€ 1,01	3/16" x 24	10
E010/BSW1/4E15	€ 0,47	1/4" x 20	10
E010/BSW5/16E15	€ 0,55	5/16" x 18	10
E010/BSW3/8E15	€ 0,86	3/8" x 16	10
E010/BSW7/16E15	€ 1,01	7/16" x 14	10
E010/BSW1/2E15	€ 1,01	1/2" x 12	10
E010/BSW9/16E15	€ 3,20	9/16" x 12	5
E010/BSW5/8E15	€ 3,20	5/8" x 11	5
E010/BSW3/4E15	€ 3,66	3/4" x 10	5
E010/BSW7/8E15	€ 5,50	7/8" x 9	5
E010/BSW1E15	€ 5,90	1" x 8	5

E010-BSFXEX

STAINLESS STEEL THREAD REPAIR INSERT BSF H=1.5XD

Rhomboid section, with spring shape, which creates two perfectly concentric threads; an external one that is coupled with the previously threaded hole with the appropriate male and an internal one where the fixing screw will be screwed



Hangable

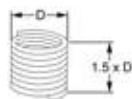
Art.	€	D	Pack
E010/BSF3/16E15	€ 1,01	3/16" x 32	10
E010/BSF1/4E15	€ 0,47	1/4" x 26	10
E010/BSF5/16E15	€ 0,55	5/16" x 22	10
E010/BSF3/8E15	€ 0,86	3/8" x 20	10
E010/BSF7/16E15	€ 1,01	7/16" x 18	10
E010/BSF1/2E15	€ 1,01	1/2" x 16	10
E010/BSF9/16E15	€ 3,48	9/16" x 16	5
E010/BSF5/8E15	€ 3,48	5/8" x 14	5
E010/BSF3/4E15	€ 4,39	3/4" x 12	5
E010/BSF7/8E15	€ 5,50	7/8" x 11	5
E010/BSF1E15	€ 5,50	1" x 10	5



E010-BSPXEX

STAINLESS STEEL THREAD REPAIR INSERT BSP H=1.5XD

Rhomboid section, with spring shape, which creates two perfectly concentric threads; an external one that is coupled with the previously threaded hole with the appropriate male and an internal one where the fixing screw will be screwed

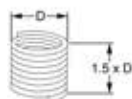


Art.	€	D	Pack
E010/BSP1/8E15	€ 0,78	1/8" x 28	10
E010/BSP1/4E15	€ 0,91	1/4" x 19	10
E010/BSP3/8E15	€ 1,19	3/8" x 19	10
E010/BSP1/2E15	€ 1,36	1/2" x 14	10
E010/BSP5/8E15	€ 3,66	5/8" x 14	5
E010/BSP3/4E15	€ 3,66	3/4" x 14	5
E010/BSP7/8E15	€ 11,00	7/8" x 14	5
E010/BSP1E15	€ 11,00	1" x 11	5

E010-UNFXEX

STAINLESS STEEL THREAD REPAIR INSERT UNF H=1.5XD

Rhomboid section, with spring shape, which creates two perfectly concentric threads; an external one that is coupled with the previously threaded hole with the appropriate male and an internal one where the fixing screw will be screwed

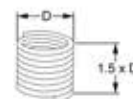


Art.	€	D	Pack
E010/UNFN04E15	€ 0,99	No. 4 x 48	10
E010/UNFN06E15	€ 0,99	No. 6 x 40	10
E010/UNFN08E15	€ 0,99	No. 8 x 36	10
E010/UNFN10E15	€ 0,39	No. 10 x 32	10
E010/UNF1/4E15	€ 0,39	1/4" x 28	10
E010/UNF5/16E15	€ 0,56	5/16" x 24	10
E010/UNF3/8E15	€ 0,81	3/8" x 24	10
E010/UNF7/16E15	€ 1,08	7/16" x 20	10
E010/UNF1/2E15	€ 1,08	1/2" x 20	10
E010/UNF9/16E15	€ 2,25	9/16" x 18	5
E010/UNF5/8E15	€ 2,25	5/8" x 18	5
E010/UNF3/4E15	€ 2,25	3/4" x 16	5
E010/UNF7/8E15	€ 5,80	7/8" x 14	5
E010/UNF1E15	€ 5,80	1" x 12	5

E010-UNCXEX

STAINLESS STEEL THREAD REPAIR INSERT UNC H=1.5XD

Rhomboid section, with spring shape, which creates two perfectly concentric threads; an external one that is coupled with the previously threaded hole with the appropriate male and an internal one where the fixing screw will be screwed

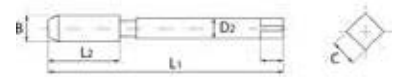
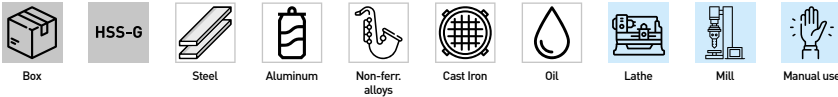


Art.	€	D	Pack
E010/UNCN02E15	€ 1,14	No. 2 x 56	10
E010/UNCN04E15	€ 0,35	No. 4 x 40	10
E010/UNCN05E15	€ 0,42	No. 5 x 40	10
E010/UNCN06E15	€ 0,33	No. 6 x 32	10
E010/UNCN08E15	€ 0,33	No. 8 x 32	10
E010/UNCN10E15	€ 0,37	No. 10 x 24	10
E010/UNCN12E15	€ 0,44	No. 12 x 24	10
E010/UNC1/4E15	€ 0,44	1/4" x 20	10
E010/UNC5/16E15	€ 0,62	5/16" x 18	10
E010/UNC3/8E15	€ 0,81	3/8" x 16	10
E010/UNC7/16E15	€ 1,08	7/16" x 14	10
E010/UNC1/2E15	€ 1,08	1/2" x 13	10
E010/UNC9/16E15	€ 1,16	9/16" x 12	5
E010/UNC5/8E15	€ 2,32	5/8" x 11	5
E010/UNC3/4E15	€ 3,29	3/4" x 10	5
E010/UNC7/8E15	€ 4,94	7/8" x 9	5
E010/UNC1E15	€ 4,94	1" x 8	5

E011-MXM

METRIC F-COIL STI TAP

Special type for creating the threaded insert housing seat



Art.	€	Size	B	L1	L2	D2	C
E011/M020X040M	€ 10,40	M 2 x 0.40	2.5 mm	44.5 mm	9.5 mm	2.8 mm	2.24 mm
E011/M025X045M	€ 10,40	M 2.5 x 0.45	3.1 mm	48.0 mm	11.0 mm	3.15 mm	2.5 mm
E011/M030X050M	€ 10,40	M 3 x 0.5	3.6 mm	53.0 mm	13.0 mm	4.0 mm	3.15 mm
E011/M035X060M	€ 10,40	M 3.5 x 0.6	4.3 mm	53.0 mm	13.0 mm	4.5 mm	3.55 mm
E011/M040X070M	€ 10,40	M 4 x 0.7	4.9 mm	58 mm	16.0 mm	5.0 mm	4.00 mm
E011/M050X080M	€ 10,40	M 5 x 0.8	6.0 mm	66.0 mm	19.0 mm	6.3 mm	5.00 mm
E011/M060X100M	€ 10,40	M 6 x 1.0	7.3 mm	72.0 mm	22.0 mm	8.0 mm	6.30 mm
E011/M070X100M	€ 12,10	M 7 x 1.0	8.3 mm	72.0 mm	22.0 mm	9.0 mm	7.10 mm
E011/M080X100M	€ 12,10	M 8 x 1.0	9.3 mm	80.0 mm	24.0 mm	10.0 mm	8.00 mm
E011/M080X125M	€ 12,10	M 8 x 1.25	9.6 mm	80.0 mm	24.0 mm	8.0 mm	8.00 mm
E011/M090X100M	€ 13,80	M 9 x 1.0	10.6 mm	85.0 mm	25.0 mm	8.0 mm	6.30 mm
E011/M090X125M	€ 13,80	M 9 x 1.25	10.6 mm	85.0 mm	25.0 mm	8.0 mm	6.30 mm
E011/M100X100M	€ 13,80	M 10 x 1.0	11.3 mm	85.0 mm	25.0 mm	8.0 mm	6.30 mm
E011/M100X125M	€ 13,80	M 10 x 1.25	11.6 mm	85.0 mm	25.0 mm	8.0 mm	6.30 mm
E011/M100X150M	€ 13,80	M 10 x 1.5	11.9 mm	89.0 mm	29.0 mm	9.0 mm	7.10 mm
E011/M110X150M	€ 18,10	M 11 x 1.5	12.9 mm	89.0 mm	29.0 mm	9.0 mm	7.10 mm
E011/M120X100M	€ 18,10	M 12 x 1.0	13.3 mm	95.0 mm	30.0 mm	11.2 mm	9.00 mm
E011/M120X125M	€ 19,00	M 12 x 1.25	13.6 mm	95.0 mm	30.0 mm	11.2 mm	9.00 mm
E011/M120X150M	€ 19,00	M 12 x 1.5	14.0 mm	95.0 mm	30.0 mm	11.2 mm	9.00 mm

Art.	€	Size	B	L1	L2	D2	C
E011/M120X175M	€ 19,00	M 12 x 1.75	14.3 mm	95.0 mm	30.0 mm	11.2 mm	9.00 mm
E011/M140X100M	€ 21,60	M 14 x 1.0	15.3 mm	102.0 mm	32.0 mm	12.5 mm	10.00 mm
E011/M140X125M	€ 21,60	M 14 x 1.25	15.6 mm	102.0 mm	32.0 mm	12.5 mm	10.00 mm
E011/M140X150M	€ 21,60	M 14 x 1.5	16.0 mm	102.0 mm	32.0 mm	12.5 mm	10.00 mm
E011/M140X200M	€ 21,60	M 14 x 2.0	16.6 mm	102.0 mm	32.0 mm	12.5 mm	10.00 mm
E011/M160X150M	€ 26,80	M 16 x 1.5	18.0 mm	104.0 mm	29.0 mm	14.0 mm	11.20 mm
E011/M160X200M	€ 26,80	M 16 x 2.0	18.6 mm	112.0 mm	37.0 mm	14.0 mm	11.20 mm
E011/M180X150M	€ 28,50	M 18 x 1.5	20.0 mm	104.0 mm	29.0 mm	14.0 mm	11.20 mm
E011/M180X200M	€ 28,50	M 18 x 2.0	20.6 mm	104.0 mm	29.0 mm	14.0 mm	11.20 mm
E011/M180X250M	€ 28,50	M 18 x 2.5	21.3 mm	118.0 mm	38.0 mm	16.0 mm	12.50 mm
E011/M200X150M	€ 31,90	M 20 x 1.5	22.0 mm	113.0 mm	33.0 mm	16.0 mm	12.50 mm
E011/M200X200M	€ 31,90	M 20 x 2.0	22.6 mm	113.0 mm	33.0 mm	16.0 mm	12.50 mm
E011/M200X250M	€ 31,90	M 20 x 2.5	23.3 mm	118.0 mm	38.0 mm	16.0 mm	12.50 mm
E011/M220X150M	€ 40,60	M 22 x 1.5	24.0 mm	120.0 mm	35.0 mm	18.0 mm	14.00 mm
E011/M220X200M	€ 40,60	M 22 x 2.0	24.6 mm	120.0 mm	35.0 mm	18.0 mm	14.00 mm
E011/M220X250M	€ 40,60	M 22 x 2.5	25.3 mm	130.0 mm	45.0 mm	18.0 mm	14.00 mm
E011/M240X150M	€ 43,30	M 24 x 1.5	26.0 mm	120.0 mm	35.0 mm	18.0 mm	14.00 mm
E011/M240X200M	€ 43,30	M 24 x 2.0	26.6 mm	127.0 mm	37.0 mm	20.0 mm	16.00 mm
E011/M240X300M	€ 43,30	M 24 x 3.0	27.9 mm	138.0 mm	48.0 mm	20.0 mm	16.00 mm

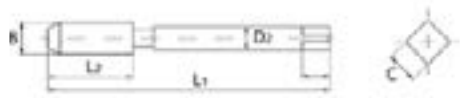
E011-MXM2

METRIC F-COIL 2 PCS STI TAPS

Special type for creating the threaded insert housing seat



Art.	€	Size	B	L1	L2	D2	C
E011/M260X150M	€ 143,00	M 26 x 1.5	28.0 mm	127 mm	37 mm	20.0 mm	16.0 mm
E011/M270X150M	€ 143,00	M 27 x 1.5	29.0 mm	127 mm	37 mm	20.0 mm	16.0 mm
E011/M270X200M	€ 143,00	M 27 x 2.0	29.6 mm	127 mm	37 mm	20.0 mm	16.0 mm
E011/M270X300M	€ 143,00	M 27 x 3.0	30.9 mm	151 mm	51 mm	22.4 mm	18.0 mm
E011/M280X150M	€ 173,00	M 28 x 1.5	30.0 mm	127 mm	37 mm	20.0 mm	16.0 mm
E011/M300X150M	€ 173,00	M 30 x 1.5	32.0 mm	137 mm	37 mm	22.4 mm	18.0 mm
E011/M300X200M	€ 173,00	M 30 x 2.0	32.6 mm	137 mm	37 mm	22.4 mm	18.0 mm
E011/M300X350M	€ 173,00	M 30 x 3.5	34.6 mm	162 mm	57 mm	25.0 mm	20.0 mm
E011/M330X200M	€ 173,00	M 33 x 2.0	35.6 mm	144 mm	37 mm	25.0 mm	20.0 mm
E011/M330X350M	€ 173,00	M 33 x 3.5	37.6 mm	162 mm	57 mm	25.0 mm	20.0 mm
E011/M360X150M	€ 199,00	M 36 x 1.5	38.0 mm	150 mm	39 mm	28.0 mm	22.4 mm
E011/M360X200M	€ 199,00	M 36 x 2.0	38.6 mm	150 mm	39 mm	28.0 mm	22.4 mm
E011/M360X300M	€ 199,00	M 36 x 3.0	39.9 mm	170 mm	60 mm	28.0 mm	22.4 mm
E011/M360X400M	€ 199,00	M 36 x 4.0	41.2 mm	170 mm	60 mm	28.0 mm	22.4 mm
E011/M390X300M	€ 300,00	M 39 x 3.0	42.9 mm	149 mm	39 mm	28.0 mm	26.0 mm
E011/M390X400M	€ 256,00	M 39 x 4.0	44.2 mm	187 mm	67 mm	31.5 mm	28.0 mm
E011/M400X300M	€ 256,00	M 40 x 3.0	43.9 mm	149 mm	39 mm	28.0 mm	26.0 mm
E011/M420X300M	€ 423,00	M 42 x 3.0	45.9 mm	165 mm	45 mm	31.5 mm	28.0 mm
E011/M420X450M	€ 278,00	M 42 x 4.5	47.9 mm	187 mm	67 mm	31.5 mm	28.0 mm
E011/M450X300M	€ 423,00	M 45 x 3.0	48.9 mm	175 mm	45 mm	35.5 mm	31.0 mm
E011/M450X450M	€ 323,00	M 45 x 4.5	50.9 mm	200 mm	70 mm	35.5 mm	31.0 mm
E011/M480X300M	€ 522,00	M 48 x 3.0	51.9 mm	175 mm	45 mm	35.5 mm	31.0 mm
E011/M480X500M	€ 356,00	M 48 x 5.0	54.5 mm	200 mm	70 mm	35.5 mm	31.0 mm
E011/M500X300M	€ 389,00	M 50 x 3.0	53.9 mm	175 mm	45 mm	35.5 mm	31.0 mm
E011/M520X300M	€ 722,00	M 52 x 3.0	55.9 mm	193 mm	48 mm	40.0 mm	34.0 mm
E011/M520X500M	€ 611,00	M 52 x 3.0	58.5 mm	221 mm	76 mm	40.0 mm	34.0 mm

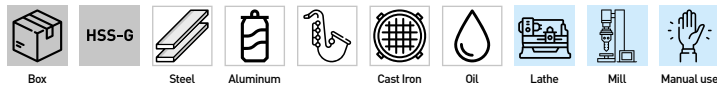




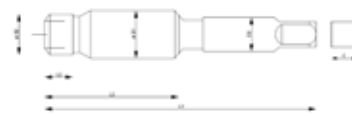
E011-MXMC

METRIC F-COIL STI COMBINED TAP

Special type for creating the threaded insert housing seat



Art.	€	Size	B1	B2	L3	L2	L1	D2	C
E011/M060X100MC	€ 14,70	M 6 x 1.0	7.3 mm	6 mm	7 mm	28 mm	70 mm	8 mm	6.3 mm
E011/M080X125MC	€ 14,70	M 8 x 1.25	9.6 mm	8 mm	9 mm	32 mm	75 mm	8 mm	6.3 mm
E011/M100X100MC	€ 20,80	M 10 x 1.0	11.3 mm	10 mm	8 mm	30 mm	74 mm	8 mm	6.3 mm
E011/M100X125MC	€ 20,80	M 10 x 1.25	11.6 mm	10 mm	8 mm	30 mm	74 mm	8 mm	6.3 mm
E011/M100X150MC	€ 20,80	M 10 x 1.5	11.9 mm	10 mm	9 mm	37 mm	80 mm	9 mm	7.1 mm
E011/M120X125MC	€ 26,80	M 12 x 1.25	13.6 mm	12 mm	9 mm	32 mm	75 mm	9 mm	7.1 mm
E011/M140X125MC	€ 29,40	M 14 x 1.25	15.6 mm	14 mm	10 mm	45 mm	90 mm	12 mm	9.2 mm
E011/M180X150MC	€ 43,30	M 18 x 1.25	20.0 mm	18 mm	10 mm	47 mm	116 mm	16 mm	12.5 mm



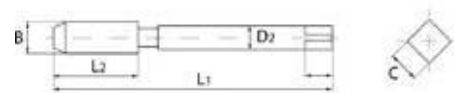
E011-BSWXM

BSW F-COIL STI TAP

Special type for creating the threaded insert housing seat



Art.	€	Size	B	L1	L2	D2	C
E011/BSW1/8M	€ 9,60	1/8" x 40	3.9 mm	53.0 mm	13.0 mm	4.0 mm	3.15 mm
E011/BSW3/16M	€ 9,60	3/16" x 24	6.0 mm	56.0 mm	19.0 mm	6.3 mm	5.00 mm
E011/BSW1/4M	€ 9,60	1/4" x 20	7.8 mm	72.0 mm	22.0 mm	8.0 mm	6.30 mm
E011/BSW5/16M	€ 10,40	5/16" x 18	9.6 mm	80.0 mm	24.0 mm	10.0 mm	8.00 mm
E011/BSW3/8M	€ 11,20	3/8" x 16	11.4 mm	85.0 mm	25.0 mm	8.0 mm	6.30 mm
E011/BSW7/16M	€ 12,10	7/16" x 14	13.2 mm	95.0 mm	30.0 mm	11.2 mm	9.00 mm
E011/BSW1/2M	€ 13,40	1/2" x 12	15.2 mm	102.0 mm	32.0 mm	12.5 mm	10.00 mm
E011/BSW9/16M	€ 20,20	9/16" x 12	16.8 mm	102.0 mm	32.0 mm	12.5 mm	10.00 mm
E011/BSW5/8M	€ 24,80	5/8" x 11	18.6 mm	112.0 mm	37.0 mm	14.0 mm	11.20 mm
E011/BSW3/4M	€ 30,00	3/4" x 10	22.0 mm	118.0 mm	38.0 mm	16.0 mm	12.50 mm
E011/BSW7/8M	€ 40,50	7/8" x 9	25.5 mm	130.0 mm	45.0 mm	18.0 mm	14.00 mm
E011/BSW1M	€ 40,50	1" x 8	29.1 mm	138.0 mm	48.0 mm	20.0 mm	16.0 mm



E011-BSFXM

BSF F-COIL STI TAP

Special type for creating the threaded insert housing seat



Art.	€	Size	B	L1	L2	D2	C
E011/BSF3/16M	€ 9,60	3/16" x 32	5.7 mm	66.0 mm	19.0 mm	6.3 mm	5.00 mm
E011/BSF1/4M	€ 9,60	1/4" x 26	7.5 mm	72.0 mm	22.0 mm	8.0 mm	6.30 mm
E011/BSF5/16M	€ 10,40	5/16" x 22	9.3 mm	80.0 mm	24.0 mm	10.0 mm	8.00 mm
E011/BSF3/8M	€ 11,20	3/8" x 20	11.0 mm	85.0 mm	25.0 mm	8.0 mm	6.30 mm
E011/BSF7/16M	€ 12,10	7/16" x 18	12.8 mm	89.0 mm	29.0 mm	9.0 mm	7.10 mm
E011/BSF1/2M	€ 13,40	1/2" x 16	14.6 mm	95.0 mm	30.0 mm	11.2 mm	9.00 mm
E011/BSF9/16M	€ 20,20	9/16" x 16	16.2 mm	102.0 mm	32.0 mm	12.5 mm	10.00 mm
E011/BSF5/8M	€ 24,80	5/8" x 14	18.0 mm	112.0 mm	37.0 mm	14.0 mm	11.20 mm
E011/BSF3/4M	€ 30,00	3/4" x 12	21.5 mm	118.0 mm	38.0 mm	16.0 mm	12.5 mm
E011/BSF7/8M	€ 40,50	7/8" x 11	24.9 mm	130.0 mm	45.0 mm	18.0 mm	14.00 mm
E011/BSF1M	€ 40,50	1" x 10	28.4 mm	138.0 mm	48.0 mm	20.0 mm	16.00 mm

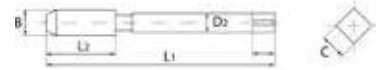


E011-BSPXM
BSP F-COIL STI 2 PCS TAPS

Special type for creating the threaded insert housing seat



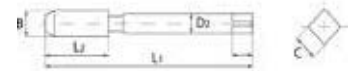
Art.	€	Size	B	L1	L2	D2	C
E011/BSP1/8M	€ 25,00	1/8" x 28	10.8 mm	59 mm	15 mm	8.0 mm	6.3 mm
E011/BSP1/4M	€ 25,90	1/4" x 19	14.7 mm	67 mm	19 mm	11.2 mm	9.0 mm
E011/BSP3/8M	€ 33,70	3/8" x 19	18.3 mm	75 mm	21 mm	14.0 mm	11.2 mm
E011/BSP1/2M	€ 52,70	1/2" x 14	23.1 mm	87 mm	26 mm	16.0 mm	12.5 mm
E011/BSP5/8M	€ 74,30	5/8" x 14	25.1 mm	91 mm	26 mm	18.0 mm	14.0 mm
E011/BSP3/4M	€ 74,30	3/4" x 14	28.6 mm	96 mm	28 mm	20.0 mm	16.0 mm
E011/BSP7/8M	€ 117,00	7/8" x 14	32.4 mm	102 mm	29 mm	22.4 mm	18.0 mm
E011/BSP1M	€ 117,00	1" x 11	36.0 mm	109 mm	33 mm	25.0 mm	20.0 mm


E011-UNCXM
UNC F-COIL STI TAP

Special type for creating the threaded insert housing seat



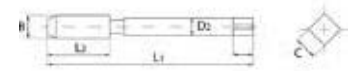
Art.	€	Size	B	L1	L2	D2	C
E011/UNCN02M	€ 11,10	No. 2 x 56	2.8 mm	48.0 mm	10.0 mm	3.15 mm	2.5 mm
E011/UNCN04M	€ 11,10	No. 4 x 40	3.7 mm	53.0 mm	13.0 mm	4.0 mm	3.15 mm
E011/UNCN05M	€ 11,10	No. 5 x 40	4.0 mm	53.0 mm	13.0 mm	4.0 mm	3.15 mm
E011/UNCN06M	€ 11,10	No. 6 x 32	4.5 mm	58.0 mm	16.0 mm	5.0 mm	4.00 mm
E011/UNCN08M	€ 11,10	No. 8 x 32	5.2 mm	62.0 mm	17.0 mm	5.6 mm	4.50 mm
E011/UNCN10M	€ 11,10	No. 10 x 24	6.2 mm	66.0 mm	19.0 mm	6.3 mm	5.00 mm
E011/UNCN12M	€ 11,10	No. 12 x 24	6.9 mm	66.0 mm	19.0 mm	7.1 mm	5.60 mm
E011/UNC1/4M	€ 9,60	1/4" x 20	8.0 mm	72.0 mm	22.0 mm	8.0 mm	6.30 mm
E011/UNC5/16M	€ 10,40	5/16" x 18	9.8 mm	80.0 mm	24.0 mm	10.0 mm	8.00 mm
E011/UNC3/8M	€ 11,20	3/8" x 16	11.6 mm	85.0 mm	25.0 mm	8.0 mm	6.30 mm
E011/UNC7/16M	€ 12,10	7/16" x 14	13.5 mm	95.0 mm	30.0 mm	11.2 mm	10.00 mm
E011/UNC1/2M	€ 13,40	1/2" x 13	15.2 mm	102.0 mm	32.0 mm	12.5 mm	10.00 mm
E011/UNC9/16M	€ 20,20	9/16" x 12	17.0 mm	112.0 mm	37.0 mm	14.0 mm	11.20 mm
E011/UNC5/8M	€ 24,80	5/8" x 11	18.9 mm	112.0 mm	37.0 mm	14.0 mm	11.20 mm
E011/UNC3/4M	€ 30,00	3/4" x 10	22.4 mm	118.0 mm	38.0 mm	16.0 mm	12.50 mm
E011/UNC7/8M	€ 40,50	7/8" x 9	25.9 mm	130.0 mm	45.0 mm	18.0 mm	14.00 mm
E011/UNC1M	€ 40,50	1" x 8	29.5 mm	138.0 mm	48.0 mm	20.0 mm	16.00 mm


E011-UNFXM
UNF F-COIL STI TAP

Special type for creating the threaded insert housing seat



Art.	€	Size	B	L1	L2	D2	C
E011/UNFN04M	€ 12,10	No. 4 x 48	3.5 mm	53.0 mm	13.0 mm	4.0 mm	3.15 mm
E011/UNFN06M	€ 12,10	No. 6 x 40	4.3 mm	53.0 mm	13.0 mm	4.5 mm	3.55 mm
E011/UNFN08M	€ 12,10	No. 8 x 36	5.1 mm	62.0 mm	17.0 mm	5.6 mm	4.50 mm
E011/UNFN10M	€ 12,10	No. 10 x 32	5.9 mm	66.0 mm	19.0 mm	6.3 mm	5.00 mm
E011/UNF1/4M	€ 9,60	1/4" x 28	7.5 mm	69.0 mm	19.0 mm	8.0 mm	6.30 mm
E011/UNF5/16M	€ 10,40	5/16" x 24	9.3 mm	76.0 mm	20.0 mm	10.0 mm	8.00 mm
E011/UNF3/8M	€ 11,20	3/8" x 24	10.9 mm	82.0 mm	22.0 mm	8.0 mm	6.3 mm
E011/UNF7/16M	€ 12,10	7/16" x 20	12.8 mm	84.0 mm	24.0 mm	9.0 mm	7.10 mm
E011/UNF1/2M	€ 13,40	1/2" x 20	14.4 mm	90.0 mm	25.0 mm	11.2 mm	9.00 mm
E011/UNF9/16M	€ 20,20	9/16" x 18	16.1 mm	104.0 mm	29.0 mm	12.5 mm	10.00 mm
E011/UNF5/8M	€ 24,80	5/8" x 18	17.7 mm	104.0 mm	29.0 mm	14.0 mm	11.20 mm
E011/UNF3/4M	€ 30,00	3/4" x 16	21.1 mm	104.0 mm	29.0 mm	14.0 mm	11.20 mm
E011/UNF7/8M	€ 40,50	7/8" x 14	24.6 mm	120.0 mm	35.0 mm	18.0 mm	14.00 mm
E011/UNF112M	€ 40,50	1" x 12	28.2 mm	127.0 mm	37.0 mm	20.0 mm	16.00 mm





E011-UX

F-COIL MOUNTING TOOL

Art.	€	Metric	Inch
E011/U02	€ 7,40	M 2 x 0.4 - M 2.2 x 0.45	UNC N02
E011/U03	€ 7,40	M 2.5 x 0.45	-
E011/U04	€ 7,40	M 3 x 0.5	UNC N05 - UNC/UNF N04 - BSW 1/8"
E011/U05	€ 7,40	M 3.5 x 0.6	UNC/UNF N06
E011/U06	€ 7,40	M 4 x 0.7	UNC/UNF N08
E011/U08	€ 7,40	M 5 x 0.8	UNF N10 - UNC N12 - BSF 3/16"
E011/U09	€ 7,40	M 6 x 1.0	UNC/UNF 1/4" - BSW/BSF 1/4"
E011/U10	€ 7,40	M 7 x 1.0	UNC/BSW 5/16"
E011/U11	€ 8,20	M 8 x 1.25 - M 8 x 1.0	UNF/BSF 5/16"
E011/U12	€ 12,50	M 9 x 1.25 - M 9 x 1.0	UNC/BSW 3/8"
E011/U13	€ 12,50	M 10 x 1.5 - M 10 x 1.0 - M 10 x 1.25	UNF/BSF 3/8"
E011/U14	€ 13,50	M 11 x 1.5	UNC/UNF 7/16" - BSW-BSF 7/16"
E011/U15	€ 13,50	M 12 x 1.75 - M 12 x 1.5 - M 12 x 1.25 - M 12 x 1.0	UNC/UNF 1/2" - BSW-BSF 1/2"
E011/U16	€ 15,40	M 14 x 2.0 - M 14 x 1.5	UNC/UNF 9/16" - BSW-BSF 9/16"
E011/U17	€ 15,40	M 14 x 1.25 - M 14 x 1.0	-
E011/U18	€ 16,80	M 16 x 2.0 - M 16 x 1.5	UNC/UNF 5/8" - BSW-BSF 5/8"
E011/U20	€ 16,80	M 18 x 2.5 - M 18 x 2.0 - M 18 x 1.5	UNC 3/4" - BSW-BSF 3/4"
E011/U21	€ 16,80	M 20 x 2.5 - M 20 x 2.0 - M 20 x 1.5	UNF 3/4"
E011/U22	€ 21,20	M 22 x 2.5 - M 22 x 2.0 - M 22 x 1.5	UNC/UNF 7/8" - BSW-BSF 7/8"
E011/U23	€ 21,20	M 24 x 3.0 - M 24 x 2.0 - M 24 x 1.5	UNC/UNF 1" - BSW-BSF 1"



E011-UMX

F-COIL MOUNTING TOOL HEXAGONAL DRIVE

Art.	€	Diameter	Hex drive
E011/UM260X150	€ 25,00	M 26 x 1.5	1/2"
E011/UM270X150	€ 25,00	M 27 x 1.5	1/2"
E011/UM270X200	€ 25,00	M 27 x 2.0	1/2"
E011/UM270X300	€ 25,00	M 27 x 3.0	1/2"
E011/UM280X150	€ 25,00	M 28 x 1.5	1/2"
E011/UM300X150	€ 27,90	M 30 x 1.5	1/2"
E011/UM300X200	€ 27,90	M 30 x 2.0	1/2"
E011/UM300X350	€ 27,90	M 30 x 3.5	1/2"
E011/UM330X200	€ 34,60	M 33 x 2.0	1/2"
E011/UM330X350	€ 34,60	M 33 x 3.5	1/2"
E011/UM360X150	€ 34,60	M 36 x 1.5	1/2"
E011/UM360X200	€ 34,60	M 36 x 2.0	1/2"
E011/UM360X300	€ 34,60	M 36 x 3.0	1/2"
E011/UM360X400	€ 34,60	M 36 x 4.0	1/2"



E011-AX

F-COIL TANG BREAKING TOOL

Art.	€	Metric	Inch
E011/A02	€ 2,41	M 2 x 0.4 - M 2.2 x 0.45	UNC N02
E011/A03	€ 2,41	M 2.5 x 0.45	-
E011/A04	€ 2,41	M 3 x 0.5	UNC/UNF N04
E011/A05	€ 2,41	M 3.5 x 0.6	UNC/UNF N06
E011/A06	€ 2,41	M 4 x 0.7	UNC N10 - UNC/UNF N08 - BSF 3/16"
E011/A08	€ 2,41	M 5 x 0.8	UNF N10 - UNC N12 - BSF 3/16"
E011/A09	€ 2,41	M 6 x 1.0	UNC/UNF 1/4" - BSW/BSF 1/4"
E011/A11	€ 2,71	M 7 x 1.0 - M 8 x 1.0 - M 8 x 1.25	UNC/UNF 5/16" - BSW/BSF 5/16"
E011/A12	€ 2,71	M 9 x 1.0 - M 9 x 1.25	UNC 3/8" - BSW/BSF 3/8"
E011/A13	€ 2,71	M 10 x 1.5 - M 10 x 1.0 - M 10 x 1.25	UNF 3/8"
E011/A14	€ 3,27	M 11 x 1.5	UNC/UNF 7/16" - BSW/BSF 7/16"
E011/A15	€ 3,27	M 12 x 1.5 - M 12 x 1.0 - M 12 x 1.25 - M 12 x 1.75	UNC/UNF 1/2" - BSW/BSF 1/2"



E011-EX

F-COIL PULLER

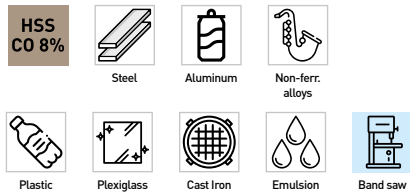
Art.	€	Metric	Inch
E011/E2	€ 15,60	M 3 - M 10	3/16" - 3/8"
E011/E3	€ 19,00	M 11 - M 25	3/8" - 1"



LBX

BI-METAL BANDSAW BLADE FOR METAL

Welded in standard length



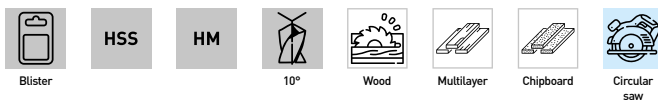
Art.	€	Sizes	Specifications	Pitch
LB01/1140	€ 17,10	1140 x 13 x 0.65 mm	T 8 / 12 Bi-Metal	Variable
LB01/1325	€ 18,90	1325 x 13 x 0.65 mm	T 8 / 12 Bi-Metal	Variable
LB01/1335	€ 19,10	1335 x 13 x 0.65 mm	T 8 / 12 Bi-Metal	Variable
LB01/1435	€ 20,10	1435 x 13 x 0.65 mm	T 8 / 12 Bi-Metal	Variable
LB01/1440	€ 20,10	1440 x 13 x 0.65 mm	T 8 / 12 Bi-Metal	Variable
LB01/1638	€ 22,10	1638 x 13 x 0.65 mm	T 8 / 12 Bi-Metal	Variable
LB01/1735	€ 23,20	1735 x 13 x 0.65 mm	T 8 / 12 Bi-Metal	Variable
LB02/1140	€ 17,10	1140 x 13 x 0.65 mm	T 6 Bi-Metal	Fix
LB02/1435	€ 20,10	1435 x 13 x 0.65 mm	T 6 Bi-Metal	Fix
LB05/1735	€ 23,90	1735 x 13 x 0.9 mm	T 8 / 12 Bi-Metal	Variable
LB07/2000	€ 28,00	2000 x 20 x 0.9 mm	T 8 / 12 Bi-Metal	Variable
LB07/2080	€ 28,80	2080 x 20 x 0.9 mm	T 8 / 12 Bi-Metal	Variable
LB07/2100	€ 29,00	2100 x 20 x 0.9 mm	T 8 / 12 Bi-Metal	Variable
LB07/2140	€ 29,50	2140 x 20 x 0.9 mm	T 8 / 12 Bi-Metal	Variable
LB07/2160	€ 29,80	2160 x 20 x 0.9 mm	T 8 / 12 Bi-Metal	Variable
LB08/2000	€ 28,00	2000 x 20 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB08/2080	€ 28,80	2080 x 20 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB08/2100	€ 29,00	2100 x 20 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB08/2140	€ 29,50	2140 x 20 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB08/2160	€ 29,80	2160 x 20 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB09/2375	€ 32,10	2375 x 27 x 0.9 mm	T 8 / 11 Bi-Metal	Variable
LB09/2450	€ 34,30	2450 x 27 x 0.9 mm	T 8 / 11 Bi-Metal	Variable

Art.	€	Sizes	Specifications	Pitch
LB09/2500	€ 35,60	2500 x 27 x 0.9 mm	T 8 / 11 Bi-Metal	Variable
LB09/2750	€ 38,70	2750 x 27 x 0.9 mm	T 8 / 11 Bi-Metal	Variable
LB09/2825	€ 39,60	2825 x 27 x 0.9 mm	T 8 / 11 Bi-Metal	Variable
LB09/2845	€ 39,80	2845 x 27 x 0.9 mm	T 8 / 11 Bi-Metal	Variable
LB09/2945	€ 41,00	2945 x 27 x 0.9 mm	T 8 / 11 Bi-Metal	Variable
LB09/2950	€ 41,20	2950 x 27 x 0.9 mm	T 8 / 11 Bi-Metal	Variable
LB09/3010	€ 41,90	3010 x 27 x 0.9 mm	T 8 / 11 Bi-Metal	Variable
LB09/3100	€ 42,90	3100 x 27 x 0.9 mm	T 8 / 11 Bi-Metal	Variable
LB09/3120	€ 43,30	3120 x 27 x 0.9 mm	T 8 / 11 Bi-Metal	Variable
LB09/3150	€ 43,50	3150 x 27 x 0.9 mm	T 8 / 11 Bi-Metal	Variable
LB10/2375	€ 32,10	2375 x 27 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB10/2450	€ 34,30	2450 x 27 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB10/2500	€ 35,60	2500 x 27 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB10/2750	€ 38,70	2750 x 27 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB10/2825	€ 39,60	2825 x 27 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB10/2845	€ 39,80	2845 x 27 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB10/2945	€ 41,00	2945 x 27 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB10/2950	€ 41,20	2950 x 27 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB10/3010	€ 41,90	3010 x 27 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB10/3100	€ 42,90	3100 x 27 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB10/3120	€ 43,30	3120 x 27 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB10/3150	€ 43,50	3150 x 27 x 0.9 mm	T 5 / 7 Bi-Metal	Variable

07X

WOOD CARBIDE TIPPED SAW BLADES

With alternate universal teeth



Art.	€	Ø	Teeth Z	Hole	Cut thickness	Blade thickness	rpm max
0685	€ 29,40	254 mm	24	Ø 30 mm	3,2 mm	2,2 mm	6300
0702	€ 49,20	250 mm	60	Ø 30 mm	3,2 mm	2,2 mm	7000
0703	€ 56,70	250 mm	80	Ø 30 mm	3,2 mm	2,2 mm	7000
0704	€ 72,80	300 mm	72	Ø 30 mm	3,2 mm	2,2 mm	6000
0705	€ 78,60	300 mm	96	Ø 30 mm	3,2 mm	2,2 mm	6000
0899	€ 54,30	315 mm	25	Ø 30 mm	2,8 mm	1,8 mm	6000
0745	€ 89,20	350 mm	54	Ø 30 mm	3,5 mm	2,5 mm	5000
0707	€ 90,60	400 mm	48	Ø 30 mm	3,5 mm	2,5 mm	4500
0746	€ 156,00	450 mm	60	Ø 30 mm	4 mm	3,0 mm	4000

0762-

ALUMINIUM AND PLASTIC CARBIDE TIPPED SAW BLADE

Trapezoidal flat toothing with alternating sharpening



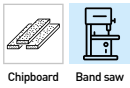
Art.	€	Ø	Teeth Z	Hole	Cut thickness	Blade thickness	rpm max
0762/250	€ 58,10	250 mm	60	Ø 32 mm	3,2 mm	2,8 mm	7000
0762/300	€ 73,30	300 mm	72	Ø 32 mm	3,2 mm	2,8 mm	6000



N7X

BLADE FOR WOOD

Blade for shaped cutting of thin wood

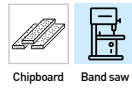


Art.	€	Sizes	Specifications
N194	€ 23,20	1400 x 6 x 0,36 mm	T6
N717/N	€ 23,20	1430 x 6 x 0,36 mm	T6
N188	€ 27,40	1790 x 6 x 0,36 mm	T10
N190	€ 27,40	1826 x 6 x 0,36 mm	T10
N855/N2	€ 26,30	2240 x 13 x 0,65 mm	T8
N186	€ 23,50	2400 x 13 x 0,65 mm	T8
N192	€ 23,50	2560 x 13 x 0,65 mm	T8
N764/N2	€ 26,30	2950 x 13 x 0,65 mm	T6
N764/455/N2	€ 36,60	3430 x 16 x 0,65 mm	T6

N7X1

BLADES FOR WOOD

Blade for straight cut of thick wood



Art.	€	Sizes	Specifications
N195	€ 23,20	1400 x 10 x 0,36 mm	T6
N717/N1	€ 23,20	1430 x 10 x 0,36 mm	T6
N189	€ 27,40	1790 x 10 x 0,36 mm	T6
N191	€ 27,40	1826 x 10 x 0,36 mm	T6
N855/N	€ 26,30	2240 x 16 x 0,65 mm	T4
N187	€ 23,50	2400 x 16 x 0,65 mm	T4
N193	€ 23,50	2560 x 16 x 0,65 mm	T4
N764/N	€ 26,30	2950 x 16 x 0,65 mm	T4
N764/455/N	€ 36,60	3430 x 20 x 0,65 mm	T4



IDENTIFICATION OF TURNING TOOLS FOR EXTERNAL PROCESSING

S	T	G	C	R	16	3 - Type of tool
1	2	3	4	5	6	

1 - Locking method	2 - Insert shape

4 - Insert clearance angle	5 - Tool direction	6 - Tool shank size

IDENTIFICATION OF TURNING TOOLS FOR INTERNAL PROCESSING

S	S	S	C	R	16	3 - Type of tool
1	2	3	4	5	6	

1 - Locking method	2 - Insert shape

4 - Insert clearance angle	5 - Tool direction	6 - Tool shank diameter

CHOICE OF INSERT SHAPE ACCORDING TO THE TYPE OF PROCESSING TO BE CARRIED OUT

	S	T	C	K	D
External turning					
Axial Turning / Facing 	○	○	●	○	○
Profiling 	-	○	-	○	●
Facing 	●	○	○	○	○
Plunge turning 	-	○	-	-	-

	S	T	C	K	D
Internal turning					
Axial Turning / Facing 	○	●	○	-	○
Profiling 	-	○	-	○	●
Facing 	-	○	●	-	○

Key
 ● Recommended shape
 ○ Possible shape
 - Not usable



RECOMMENDED VALUES FOR CUTTING SPEED Vc (m/min) FOR TURNING

Materials to be processed		External turning		Internal turning		Shape tool	Truncation	Threading with tool
		Sgrossatura	Finitura	Sgrossatura	Finitura			
P	Rm Steel < 600 N/mm ²	100*	150*	70*	100*	50*	95*	25*
	Rm steel 600-100 N/mm ²	95*	120*	50*	95*	30*	70*	18*
	Rm steel 1000-1200 N/mm ²	65*	80*	40*	65*	25*	55*	15*
M	Stainless Steel	60*	70*	35*	60*	20*	50*	15*
K	Cast iron HB < 180	90*	100*	65*	90*	30*	80*	15*
	Cast iron HB > 180	60*	70*	40*	60*	20*	55*	12*
N	Brass/Bronze	165*	260*	80*	160*	40*	100*	25*
	Copper	220*	350*	100*	220*	80*	200*	25*
	Aluminium	300*	650*	200*	400*	150*	300*	35*

* Values for brazed tools, for mechanically clamped tools the value can be increased by 15%

RECOMMENDED FEED VALUES (mm/rev) FOR TURNING

MATERIALS TO BE PROCESSED		External turning		Internal turning		Shape tool	Truncation
		Roughing	Finish	Roughing	Finish		
P	Rm Steel < 600 N/mm ²	0.1 – 0.4*	0.05 – 0.2*	0.05 – 0.3*	0.05 -0.2*	0.02 – 0.05*	0.05 – 0.1*
	Rm steel 600-100 N/mm ²	0.1 – 0.4*	0.05 – 0.15*	0.05 – 0.3*	0.05 – 0.1*	0.02 – 0.05*	0.05 – 0.1*
	Rm steel 1000-1200 N/mm ²	0.1 – 0.4*	0.05 – 0.15*	0.05 – 0.3*	0.05 – 0.1*	0.02 – 0.05*	0.05*
M	Stainless Steel	0.1 – 0.4*	0.05 – 0.15*	0.05 – 0.3*	0.05 – 0.1*	0.02 – 0.05*	0.02 – 0.05*
K	Cast iron HB < 180	0.1 – 0.6*	0.05 – 0.2*	0.05 – 0.6*	0.05 – 0.2*	0.02 – 0.05*	0.05 – 0.1*
	Cast iron HB > 180	0.1 – 0.8*	0.05 – 0.25*	0.05 – 0.5*	0.05 – 0.2*	0.02 – 0.05*	0.02 – 0.05*
N	Brass/Bronze	0.1 – 0.8*	0.05 – 0.25*	0.05 – 0.6*	0.05 – 0.2*	0.02 – 0.1*	0.05 – 0.2*
	Copper	0.1 – 0.6*	0.05 – 0.25*	0.05 – 0.5*	0.05 – 0.25*	0.02 – 0.05*	0.05 – 0.1*
	Aluminium	0.1 – 0.8*	0.05 – 0.25*	0.05 – 0.4*	0.05 – 0.2*	0.02 – 0.2*	0.05 – 0.3*

* Values for brazed tools, for mechanically clamped tools the value can be increased by 15%

THICKNESS OF SURFACE TREATMENT IN THE TURNING (mm)

Thickness of surface treatment		Ø particular					
Roughing	0.5 - 10	Up to 25	25 - 70	50 - 75	75 - 100	100 - 150	150 - 300
Finish	0.2 - 20						
Truncation	Equal to the thickness of the cutter insert						

MAIN TURNING FORMULAS

- $V_t = (n \times \pi \times D) \div 1000$
- $n = (V_t \times 1000) \div (\pi \times D)$
- $V_f = n \times F_z$

Key

Vc : Cutting speed in metres per minute. It is the peripheral speed with which the cutting edge removes material. (m/min)

n : Spindle rotation speed in revolutions per minute (rpm)

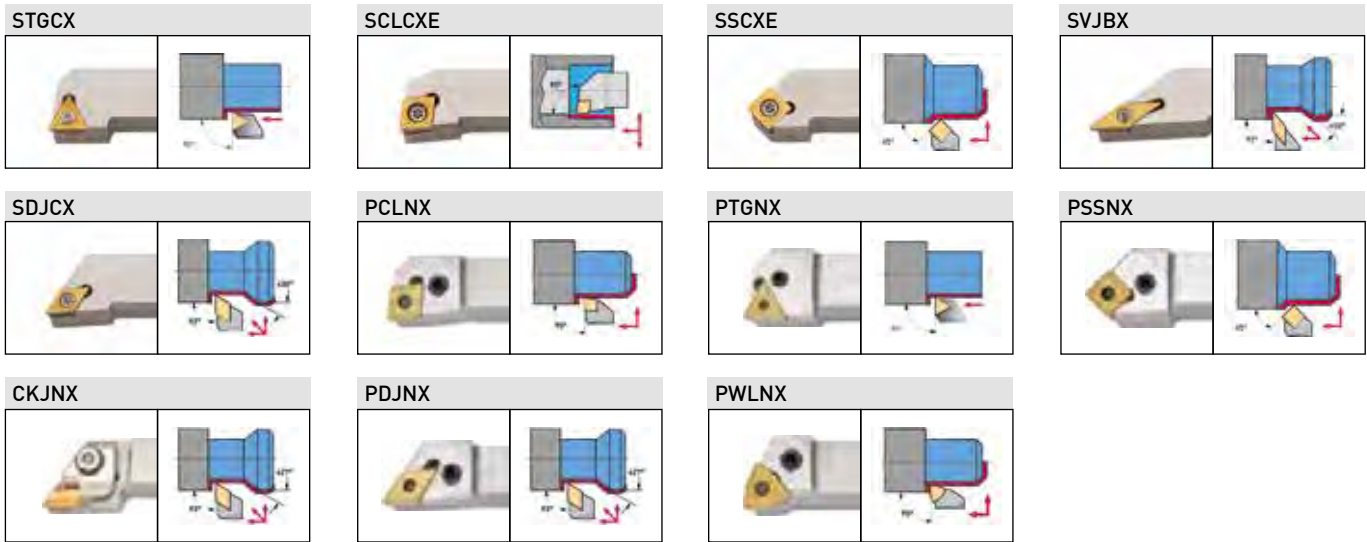
D : Workpiece diameter in millimetres (mm)

Fz : Tool feed (per tooth) per revolution in millimetres (mm/revolution)

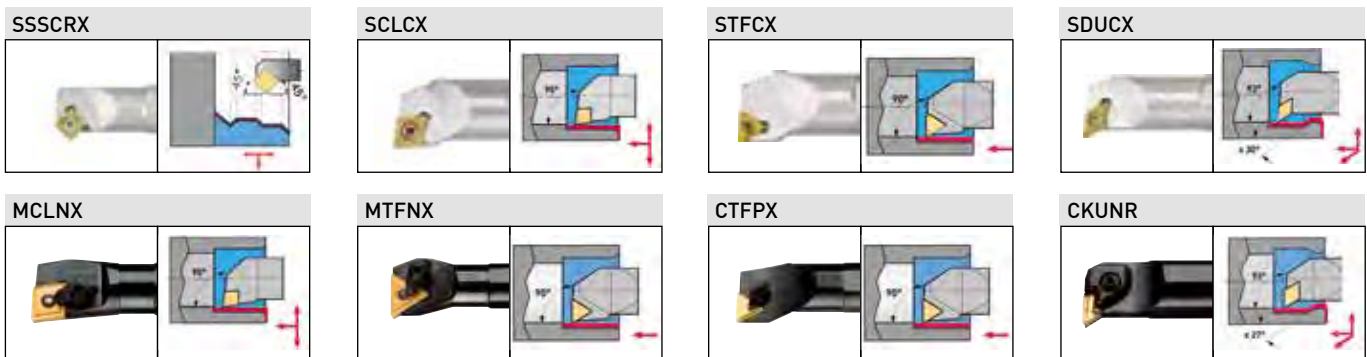
Vf : Tool feed speed in millimetres per minute (mm/min)

π : its value is 3.14

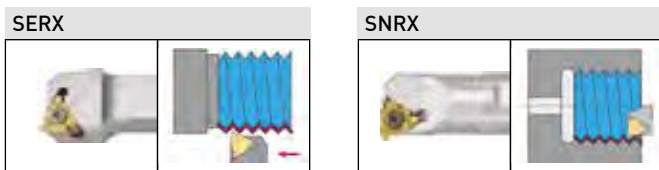
TYPOLOGY OF TOOLS FOR EXTERNAL TURNING



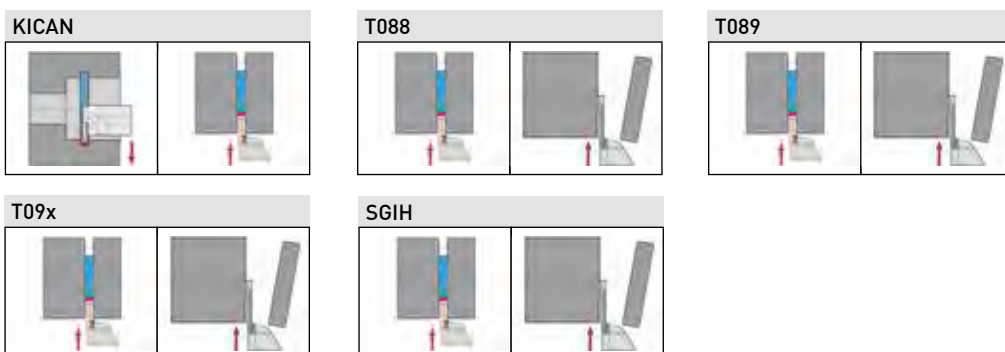
TYPOLOGY OF TOOLS FOR INTERNAL TURNING



TYPOLOGY OF THREADING TOOLS



TYPOLOGY OF TOOLS FOR GROOVING AND PARTING OFF

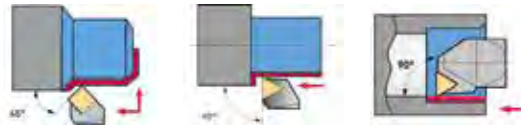




B007-

INDEXABLE CARBIDE TOOL HOLDER SET

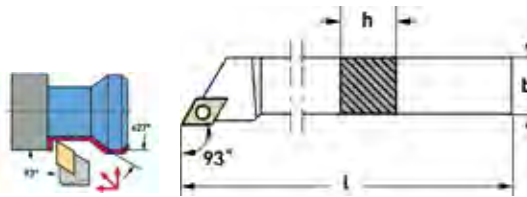
Insert included, useful for having a set that allows you to perform most turning operations with small lathes



Art.	€	Ext. shank / Insert	Int. shank / Insert	Screw
B007/10	€ 108,00	10 mm / TCMT110204N	8 mm / TCMT090204N	KV200
B007/12	€ 114,00	12 mm / TCMT110204N	10 mm / TCMT110204N	KV250
B007/16	€ 141,00	16 mm / TCMT16T304N	12 mm / TCMT110204N	KV250

KITCKJ

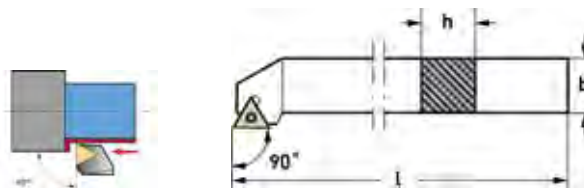
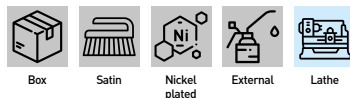
EXTERNAL TOOL HOLDER WITH INSERTS



Art.	€	Ext. tool holder	Bits	b	h	l
KITCKJ20	€ 170,00	CKJNR20	KNUX160405RN x 10 Pcs	20mm	20mm	125mm
KITCKJ25	€ 172,00	CKJNR25	KNUX160405RN x 10 Pcs	25mm	25mm	150mm

STGCX

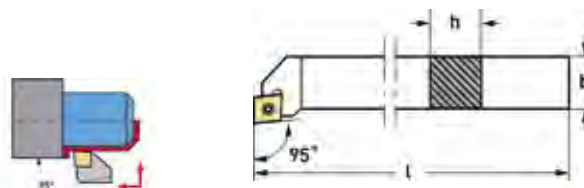
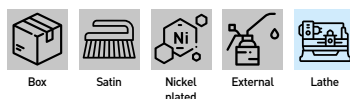
90° EXTERNAL TOOL HOLDER



Art.	€	Side	b	h	l	Screw	Bushing	Base	Insert (not included)
STGCR16/11	€ 43,80	Dx/R	16 mm	16 mm	100 mm	KV250	-----	-----	TCMT1102...
STGCL16/11	€ 43,80	Sx/L	16 mm	16 mm	100 mm	KV250	-----	-----	TCMT1102...
STGCR20	€ 49,50	Dx/R	20 mm	20 mm	125 mm	KV350	BU3550	BSTG16	TCMT16T3...
STGCL20	€ 49,50	Sx/L	20 mm	20 mm	125 mm	KV350	BU3550	BSTG16	TCMT16T3...
STGCR25	€ 60,80	Dx/R	25 mm	25 mm	150 mm	KV350	BU3550	BSTG16	TCMT16T3...
STGCL25	€ 60,80	Sx/L	25 mm	25 mm	150 mm	KV350	BU3550	BSTG16	TCMT16T3...

SCLCXE

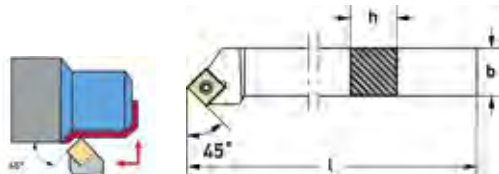
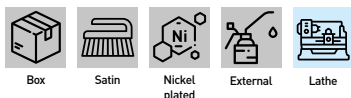
95° EXTERNAL TOOL HOLDER



Art.	€	Side	b	h	l	Screw	Bushing	Base	Insert (not included)
SCLCR12E	€ 37,50	Dx/R	12 mm	12 mm	80 mm	KV350	-----	-----	CCMT09T3...
SCLCL12E	€ 37,50	Sx/L	12 mm	12 mm	80 mm	KV350	-----	-----	CCMT09T3...
SCLCR16E	€ 45,30	Dx/R	16 mm	16 mm	100 mm	KV350	BU3550	BSCL09	CCMT09T3...
SCLCL16E	€ 45,30	Sx/L	16 mm	16 mm	100 mm	KV350	BU3550	BSCL09	CCMT09T3...
SCLCR20E	€ 50,70	Dx/R	20 mm	20 mm	125 mm	KV450	BU4560	BSCL12	CCMT1204...
SCLCL20E	€ 50,70	Sx/L	20 mm	20 mm	125 mm	KV450	BU4560	BSCL12	CCMT1204...
SCLCR25E	€ 60,80	Dx/R	25 mm	25 mm	150 mm	KV450	BU4560	BSCL12	CCMT1204...
SCLCL25E	€ 60,80	Sx/L	25 mm	25 mm	150 mm	KV450	BU4560	BSCL12	CCMT1204...

SSSCXE

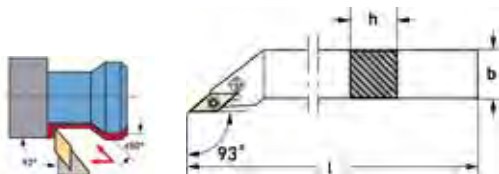
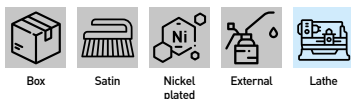
45° EXTERNAL TOOL HOLDER



Art.	€	Side	b	h	l	Screw	Bushing	Base	Insert (not included)
SSSCR20E	€ 49,50	Dx/R	20 mm	20 mm	125 mm	KV400	BU4560	BSSS12	SCMT1204...
SSSCL20E	€ 49,50	Sx/L	20 mm	20 mm	125 mm	KV400	BU4560	BSSS12	SCMT1204...
SSSCR25E	€ 63,80	Dx/R	25 mm	25 mm	150 mm	KV450	BU4560	BSSS12	SCMT1204...
SSSCL25E	€ 63,80	Sx/L	25 mm	25 mm	150 mm	KV450	BU4560	BSSS12	SCMT1204...

SVJBX

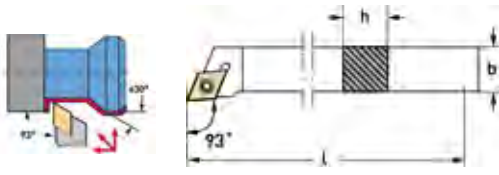
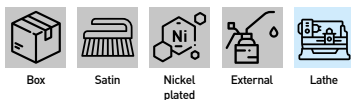
93° EXTERNAL TOOL HOLDER



Art.	€	Side	b	h	l	Screw	Bushing	Base	Insert (not included)
SVJBR20	€ 49,50	Dx/R	20 mm	20 mm	125 mm	KV350	BU3550	BSVJ16	VBMT1604...
SVJBL20	€ 49,50	Sx/L	20 mm	20 mm	125 mm	KV350	BU3550	BSVJ16	VBMT1604...
SVJBR25	€ 63,80	Dx/R	25 mm	25 mm	150 mm	KV350	BU3550	BSVJ16	VBMT1604...
SVJBL25	€ 63,80	Sx/L	25 mm	25 mm	150 mm	KV350	BU3550	BSVJ16	VBMT1604...

SDJCX

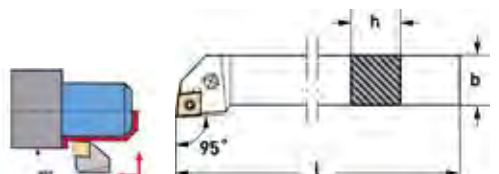
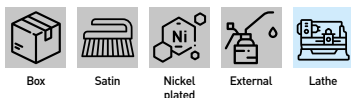
93° EXTERNAL TOOL HOLDER



Art.	€	Side	b	h	l	Screw	Bushing	Base	Insert (not included)
SDJCR10	€ 28,50	Dx/R	10 mm	10 mm	70 mm	KV250	-----	-----	DCMT0702...
SDJCR12	€ 41,00	Dx/R	12 mm	12 mm	80 mm	KV250	-----	-----	DCMT0702...
SDJCR16	€ 47,20	Dx/R	16 mm	16 mm	100 mm	KV250	-----	-----	DCMT0702...
SDJCR20	€ 53,40	Dx/R	20 mm	20 mm	125 mm	KV350	BU3550	BSDJ11	DCMT11T3...
SDJCL20	€ 53,40	Sx/L	20 mm	20 mm	125 mm	KV350	BU3550	BSDJ11	DCMT11T3...
SDJCR25	€ 67,70	Dx/R	25 mm	25 mm	150 mm	KV350	BU3550	BSDJ11	DCMT11T3...
SDJCL25	€ 67,70	Sx/L	25 mm	25 mm	150 mm	KV350	BU3550	BSDJ11	DCMT11T3...

PCLNX

95° EXTERNAL TOOL HOLDER

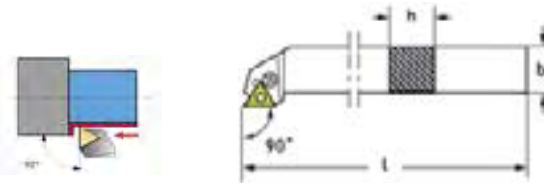
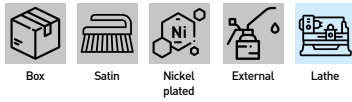


Art.	€	Side	b	h	l	Spare parts	Insert (not included)
PCLNR16	€ 41,10	Dx/R	16 mm	16 mm	100 mm	RICAPCLN	CNMG1204...
PCLNR20	€ 53,80	Dx/R	20 mm	20 mm	125 mm	RICAPCLN	CNMG1204...
PCLNL20	€ 53,80	Sx/L	20 mm	20 mm	125 mm	RICAPCLN	CNMG1204...
PCLNR25	€ 63,80	Dx/R	25 mm	25 mm	150 mm	RICAPCLN	CNMG1204...
PCLNL25	€ 63,80	Sx/L	25 mm	25 mm	150 mm	RICAPCLN	CNMG1204...



PTGNX

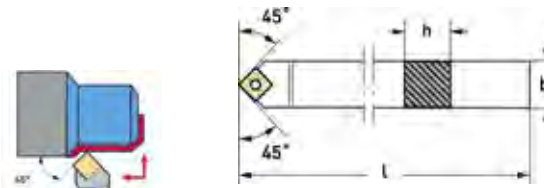
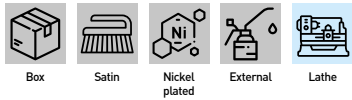
90° EXTERNAL TOOL HOLDER



Art.	€	Side	b	l	h	Spare parts	Insert (not included)
PTGNR16	€ 41,10	Dx/R	16 mm	16 mm	100 mm	RICAPTGN	TNMG1604...
PTGNR20	€ 50,20	Dx/R	20 mm	20 mm	125 mm	RICAPTGN	TNMG1604...
PTGNL20	€ 50,20	Sx/L	20 mm	20 mm	125 mm	RICAPTGN	TNMG1604...
PTGNR25	€ 63,80	Dx/R	25 mm	25 mm	150 mm	RICAPTGN	TNMG1604...
PTGNL25	€ 63,80	Sx/L	25 mm	25 mm	150 mm	RICAPTGN	TNMG1604...

PSSNX

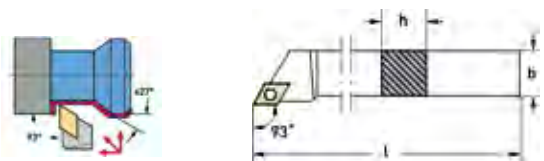
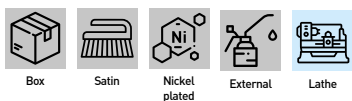
45° EXTERNAL TOOL HOLDER



Art.	€	Side	b	h	l	Spare parts	Insert (not included)
PSSNR16	€ 41,10	Dx/R	16 mm	16 mm	100 mm	RICAPSSN	SNMG1204...
PSSNR20	€ 50,70	Dx/R	20 mm	20 mm	125 mm	RICAPSSN	SNMG1204...
PSSNL20	€ 50,70	Sx/L	20 mm	20 mm	125 mm	RICAPSSN	SNMG1204...
PSSNR25	€ 63,80	Dx/R	25 mm	25 mm	150 mm	RICAPSSN	SNMG1204...
PSSNL25	€ 63,80	Sx/L	25 mm	25 mm	150 mm	RICAPSSN	SNMG1204...

CKJNX

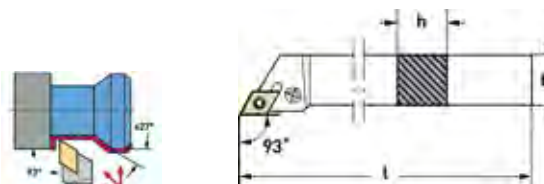
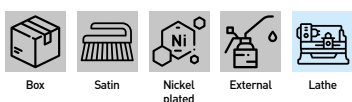
93° EXTERNAL TOOL HOLDER



Art.	€	Side	b	h	l	Bracket	Screw	Base	Insert (not included)
CKJNL20	€ 60,80	Sx/L	20 mm	20 mm	125 mm	STAFCKJNL	VITECKJN	BASECKJNL	KNUX160405L...
CKJNL25	€ 70,60	Sx/L	25 mm	25 mm	150 mm	STAFCKJNL	VITECKJN	BASECKJNL	KNUX160405L...
CKJNR16	€ 50,20	Dx/R	20 mm	16 mm	100 mm	STAFCKJNR	VITECKJN	BASECKJNR	KNUX160405R...
CKJNR20	€ 60,80	Dx/R	20 mm	20 mm	125 mm	STAFCKJNR	VITECKJN	BASECKJNR	KNUX160405R...
CKJNR25	€ 70,60	Dx/R	25 mm	25 mm	150 mm	STAFCKJNR	VITECKJN	BASECKJNR	KNUX160405R...

PDJNX

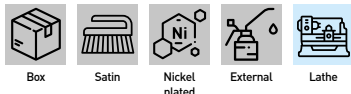
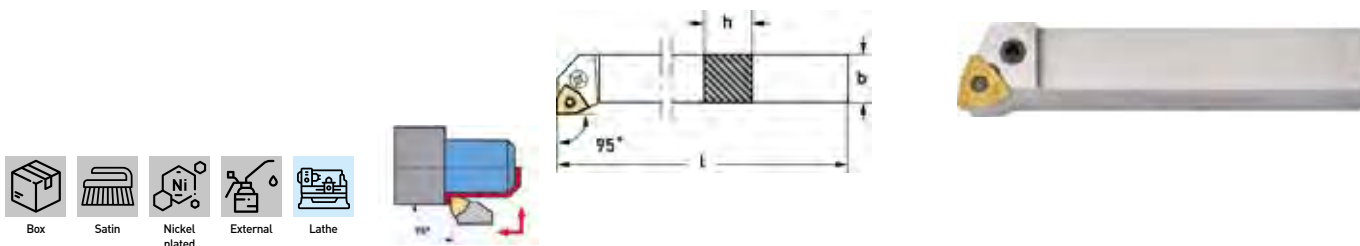
93° EXTERNAL TOOL HOLDER



Art.	€	Side	b	l	h	Spare parts	Insert (not included)
PDJNR20	€ 52,00	Dx/R	20 mm	20 mm	125 mm	PDJNRKIT	DNMG1506...
PDJNR25	€ 63,80	Dx/R	25 mm	25 mm	150 mm	PDJNRKIT	DNMG1506...
PDJNL25	€ 63,80	Sx/L	25 mm	25 mm	150 mm	PDJNRKIT	DNMG1506...

PWLNx

95° EXTERNAL TOOL HOLDER



Art.	€	Side	b	h	l	Spare parts	Insert (not included)
PWLN20	€ 52,00	Dx/R	20 mm	20 mm	125 mm	PWLNKIT	WNMG0804...
PWLN25	€ 63,80	Dx/R	25 mm	25 mm	150 mm	PWLNKIT	WNMG0804...
PWLN25	€ 63,80	Sx/L	25 mm	25 mm	150 mm	PWLNKIT	WNMG0804...

G007-

KNURLING TOOL WITH 3 PAIRS OF KNURLING WHEELS, WITH DIAMOND PATTERN

Diamond-shaped 45° for the execution of knurling for deformation in turning. Equipped with 2 spare wheels 0.8mm pitch



Art.	€	Spindle	Pitch
G007/16	€ 73,00	16 mm	0,8 - 1,2 - 1,8 mm
G007/20	€ 74,10	20 mm	0,8 - 1,2 - 1,8 mm



KISCLCR

€ 227,00

SOLID BORING BAR SET 95°



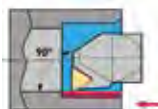
Int. tool holder	SCLCR08; SCLCR10; SCLCR12; SCLCR16
Bits	CCMT060204N x 10 Pcs
Torx key	T7 x 2 Pcs
Screw	T7 x 2,5 mm x 4 Pcs



KISTCMT

€ 268,00

SOLID BORING BAR SET 90°



Int. tool holder	STFCR08; STFCR10; STFCR12; STFCR16; STFCR20
Bits	TCMT110204N x 10 Pcs
Torx key	T8 x 2 Pcs
Screw	T8 x 2,5 mm x 2 Pcs

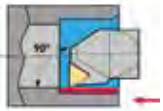




KISTFCR

SOLID BORING BAR SET 90°

€ 211,00

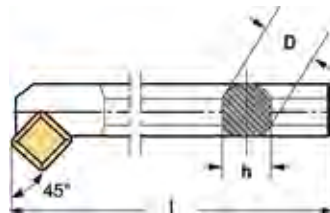
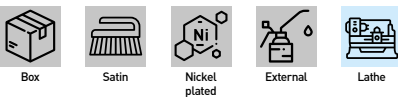
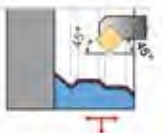


Int. tool holder	STFCR08, STFCR10, STFCR12, STFCR16, STFCR20
Insert (not included)	TCMT110204...
Torx key	T8 x 2 Pcs
Screw	T8 x 2,5 mm x 5 Pcs



SSSCRX

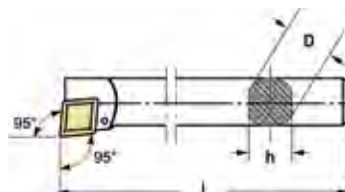
45° INTERNAL TOOL HOLDER



Art.	€	D	h	l	Screw	Insert (not included)
SSSCR16	€ 48,70	16 mm	15 mm	200 mm	KV400	SCMT09T3...
SSSCR20	€ 54,20	20 mm	18 mm	250 mm	KV400	SCMT09T3...
SSSCR25	€ 63,80	25 mm	22.5 mm	300 mm	KV400	SCMT09T3...

SCLCX

95° SOLID BORING BAR



Art.	€	Side	D	h	l	Screw	Insert (not included)
SCLCR08	€ 57,70	Dx/R	8 mm	7 mm	125 mm	KV250	CCMT0602...
SCLCL08	€ 57,70	Sx/L	8 mm	7 mm	125 mm	KV250	CCMT0602...
SCLCR10	€ 57,70	Dx/R	10 mm	9 mm	140 mm	KV250	CCMT0602...
SCLCL10	€ 57,70	Sx/L	10 mm	9 mm	140 mm	KV250	CCMT0602...
SCLCR12	€ 57,70	Dx/R	12 mm	11 mm	160 mm	KV250	CCMT0602...
SCLCL12	€ 57,70	Sx/L	12 mm	11 mm	160 mm	KV250	CCMT0602...
SCLCR16	€ 65,40	Dx/R	16 mm	14,5 mm	180 mm	KV400	CCMT09T3...
SCLCL16	€ 65,40	Sx/L	16 mm	14,5 mm	180 mm	KV400	CCMT09T3...
SCLCR20	€ 65,40	Dx/R	20 mm	18 mm	200 mm	KV400	CCMT09T3...
SCLCL20	€ 65,40	Sx/L	20 mm	18 mm	200 mm	KV400	CCMT09T3...
SCLCR25	€ 73,00	Dx/R	25 mm	22,5 mm	250 mm	KV400	CCMT09T3...
SCLCL25	€ 73,00	Sx/L	25 mm	22,5 mm	250 mm	KV400	CCMT09T3...
SCLCR32	€ 103,00	Dx/R	32 mm	29 mm	300 mm	KV400	CCMT09T3...
SCLCL32	€ 103,00	Sx/L	32 mm	29 mm	300 mm	KV400	CCMT09T3...

STFCX
90° SOLID BORING BAR


Art.	€	Side	D	h	l	Screw	Insert (not included)
STFCR08	€ 57,70	Dx/R	8 mm	7 mm	125 mm	KV250	TCMT1102...
STFCL08	€ 57,70	Sx/L	8 mm	7 mm	125 mm	KV250	TCMT1102...
STFCR10	€ 57,70	Dx/R	10 mm	9 mm	150 mm	KV250	TCMT1102...
STFCL10	€ 57,70	Sx/L	10 mm	9 mm	150 mm	KV250	TCMT1102...
STFCR12	€ 57,70	Dx/R	12 mm	11 mm	150 mm	KV250	TCMT1102...
STFCL12	€ 57,70	Sx/L	12 mm	11 mm	150 mm	KV250	TCMT1102...
STFCR16	€ 65,40	Dx/R	16 mm	14,5 mm	200 mm	KV250	TCMT1102...
STFCL16	€ 65,40	Sx/L	16 mm	14,5 mm	200 mm	KV250	TCMT1102...
STFCR20	€ 65,40	Dx/R	20 mm	18,5 mm	250 mm	KV250	TCMT1102...
STFCL20	€ 65,40	Sx/L	20 mm	18,5 mm	200 mm	KV250	TCMT1102...
STFCR25	€ 73,00	Dx/R	25 mm	22,5 mm	250 mm	KV350	TCMT16T3...
STFCL25	€ 73,00	Sx/L	25 mm	22,5 mm	250 mm	KV350	TCMT16T3...
STFCR32	€ 103,00	Dx/R	32 mm	29 mm	300 mm	KV350	TCMT16T3...
STFCL32	€ 103,00	Sx/L	32 mm	29 mm	300 mm	KV350	TCMT16T3...

SDUCX
93° SOLID BORING BAR


Art.	€	Side	D	h	l	Screw	Insert (not included)
SDUCR10	€ 57,70	Dx/R	10 mm	9 mm	140 mm	KV250	DCMT0702...
SDUCL10	€ 57,70	Sx/L	10 mm	9 mm	140 mm	KV250	DCMT0702...
SDUCR12	€ 57,70	Dx/R	12 mm	11 mm	160 mm	KV250	DCMT0702...
SDUCL12	€ 57,70	Sx/L	12 mm	11 mm	160 mm	KV250	DCMT0702...
SDUCR16	€ 65,40	Dx/R	16 mm	15 mm	180 mm	KV250	DCMT0702...
SDUCL16	€ 65,40	Sx/L	16 mm	15 mm	180 mm	KV250	DCMT0702...
SDUCR20	€ 65,40	Dx/R	20 mm	18 mm	200 mm	KV350	DCMT11T3...
SDUCL20	€ 65,40	Sx/L	20 mm	18 mm	200 mm	KV350	DCMT11T3...
SDUCR25	€ 73,00	Dx/R	25 mm	23 mm	250 mm	KV350	DCMT11T3...
SDUCL25	€ 73,00	Sx/L	25 mm	23 mm	250 mm	KV350	DCMT11T3...
SDUCR32	€ 103,00	Dx/R	32 mm	30 mm	300 mm	KV350	DCMT11T3...
SDUCL32	€ 103,00	Sx/L	32 mm	30 mm	300 mm	KV350	DCMT11T3...

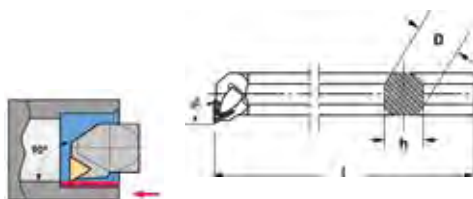
MCLNX
95° SOLID BORING BAR


Art.	€	Side	D	h	l	Bracket	Base	Insert (not included)
MCLNR16	€ 75,10	Dx/R	16 mm	15 mm	210 mm	CTMTMC16/20	-----	CNMG1204...
MCLNL16	€ 75,10	Sx/L	16 mm	15 mm	210 mm	CTMTMC16/20	-----	CNMG1204...
MCLNR20	€ 82,80	Dx/R	20 mm	18 mm	255 mm	CTMTMC16/20	-----	CNMG1204...
MCLNL20	€ 82,80	Sx/L	20 mm	18 mm	255 mm	CTMTMC16/20	-----	CNMG1204...
MCLNR25	€ 105,00	Dx/R	25 mm	23 mm	300 mm	CTMTMC25/32	MCLNBASE25/32	CNMG1204...
MCLNL25	€ 105,00	Sx/L	25 mm	23 mm	300 mm	CTMTMC25/32	MCLNBASE25/32	CNMG1204...
MCLNR32	€ 128,00	Dx/R	32 mm	30 mm	355 mm	CTMTMC25/32	MCLNBASE25/32	CNMG1204...
MCLNL32	€ 128,00	Sx/L	32 mm	30 mm	355 mm	CTMTMC25/32	MCLNBASE25/32	CNMG1204...



MTFNX

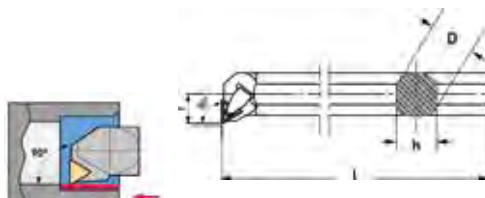
90° SOLID BORING BAR



Art.	€	Side	D	h	l	Bracket	Base	Insert (not included)
MTFNR16	€ 74,10	Dx/R	16 mm	15 mm	210 mm	CTMTMC16/20	-----	TNMG1604...
MTFNL16	€ 74,10	Sx/L	16 mm	15 mm	210 mm	CTMTMC16/20	-----	TNMG1604...
MTFNR20	€ 82,80	Dx/R	20 mm	18 mm	255 mm	CTMTMC16/20	-----	TNMG1604...
MTFNL20	€ 82,80	Sx/L	20 mm	18 mm	255 mm	CTMTMC16/20	-----	TNMG1604...
MTFNR25	€ 105,00	Dx/R	25 mm	23 mm	300 mm	CTMTMC25/32	MTFNBASE25/32	TNMG1604...
MTFNL25	€ 105,00	Sx/L	25 mm	23 mm	300 mm	CTMTMC25/32	MTFNBASE25/32	TNMG1604...
MTFNR32	€ 128,00	Dx/R	32 mm	30 mm	355 mm	CTMTMC25/32	MTFNBASE25/32	TNMG1604...
MTFNL32	€ 128,00	Sx/L	32 mm	30 mm	355 mm	CTMTMC25/32	MTFNBASE25/32	TNMG1604...

CTFPX

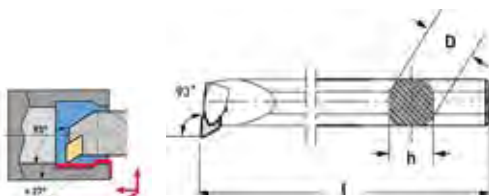
90° SOLID BORING BAR



Art.	€	Side	D	h	l	Bracket	Base	Insert (not included)
CTFPR10	€ 63,20	Dx/R	10 mm	9 mm	150 mm	CTFP10/12	-----	TPMR0902...
CTFPL10	€ 63,20	Sx/L	10 mm	9 mm	150 mm	CTFP10/12	-----	TPMR0902...
CTFPR12	€ 63,20	Dx/R	12 mm	11 mm	150 mm	CTFP10/12	-----	TPMR1103...
CTFPL12	€ 63,20	Sx/L	12 mm	11 mm	150 mm	CTFP10/12	-----	TPMR1103...
CTFPR16	€ 73,00	Dx/R	16 mm	15 mm	210 mm	CTMTMC16/20	-----	TPMR1103...
CTFPL16	€ 73,00	Sx/L	16 mm	15 mm	210 mm	CTMTMC16/20	-----	TPMR1103...
CTFPR20	€ 82,80	Dx/R	20 mm	18 mm	255 mm	CTMTMC16/20	-----	TPMR1603...
CTFPL20	€ 82,80	Sx/L	20 mm	18 mm	255 mm	CTMTMC16/20	-----	TPMR1603...
CTFPR25	€ 102,00	Dx/R	25 mm	23 mm	300 mm	CTMTMC25/32	CTFPBASE25/32	TPMR1603...
CTFPL25	€ 102,00	Sx/L	25 mm	23 mm	300 mm	CTMTMC25/32	CTFPBASE25/32	TPMR1603...
CTFPR32	€ 128,00	Dx/R	32 mm	30 mm	355 mm	CTMTMC25/32	CTFPBASE25/32	TPMR1603...
CTFPL32	€ 128,00	Sx/L	32 mm	30 mm	355 mm	CTMTMC25/32	CTFPBASE25/32	TPMR1603...

CKUNR

93° SOLID BORING BAR

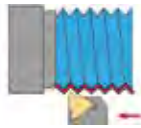


Art.	€	Side	D	h	l	Bracket	Screw	Base	Insert (not included)
CKUNR25	€ 167,00	Dx/R	25 mm	23 mm	300 mm	STAFCKJNR	VITECKJN	BASECKJNR	KNUX1604...
CKUNR32	€ 190,00	Dx/R	32 mm	30 mm	350 mm	STAFCKJNR	VITECKJN	BASECKJNR	KNUX1604...
CKUNR40	€ 200,00	Dx/R	40 mm	37 mm	400 mm	STAFCKJNR	VITECKJN	BASECKJNR	KNUX1604...

KISER

EXTERNAL THREAD TOOL HOLDER

Consisting of external threading tool (1 Pc), M3.5 X 12mm spare screw (1 Pc), 2.5mm hex wrench (1 Pc), T15 torx wrench (1 Pc) and assorted inserts: AG55 - AG60; - ISO 0.8 - 1.00 - 1.25 - 1.50 - 1.75 - 2.00 - 2.50 - 3.00mm (1 Pc each).

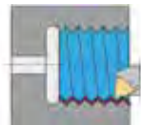


Art.	€	Ext. tool holder	Insert	Torx key	Screw	b	l	h
KISER	€ 179,00	SER20	16ER...	T15	M3,5 x 12 mm	20 mm	20 mm	125 mm
KISER25	€ 235,00	SER25	16ER...	T15	M3,5 x 12 mm	25 mm	25 mm	150 mm

KISNR

INTERNAL THREAD TOOL HOLDER

Consisting of internal threading tool (1 Pc), spare M3.5 X 12mm screw (1 Pc), 2.5mm hex wrench (1 Pc), T15 torx wrench (1 Pc) and assorted inserts: AG55 - AG60; - ISO 0.8 - 1.00 - 1.25 - 1.50 - 1.75 - 2.00 - 2.50 - 3.00mm (1 Pc each).



Art.	€	Int. tool holder	Insert	Torx key	Screw	D	h	l
KISNR	€ 206,00	SNR20	16IR...	T15	M3.5 x 12 mm	20 mm	18 mm	170 mm
KISNR25	€ 246,00	SNR25	16IR...	T15	M3.5 x 12 mm	25 mm	23 mm	200 mm

KICAN

€ 230,00

INTERNAL AND EXTERNAL GROOVING TOOL HOLDER SET

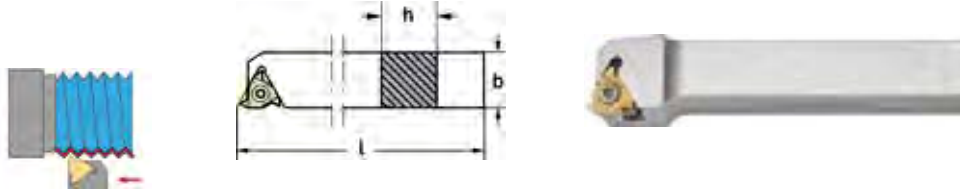
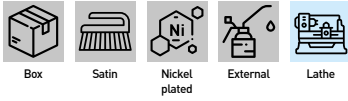
Consisting of the tool for external grooves: 20 x 20 mm (1 Pc), the tool for internal grooves: ø 20mm (1 Pc), spare screw M4 x 12mm (2 Pcs), torx wrench: T15 (1 Pc) and inserts for 16mm groove TIN coated: 165110134 (2 Pcs), 165130134 (2 Pcs), 165160134 (2 Pcs), 165185134 (1 Pc), 165215134 (1 Pc), 165265134 (1 Pc), 165315134 (1 Pc).





SERX

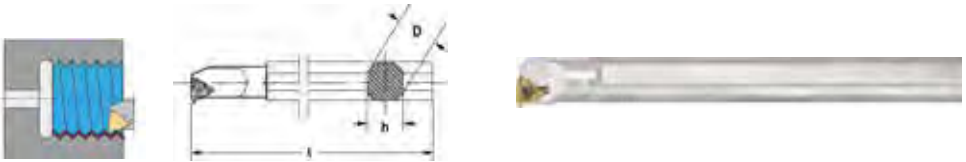
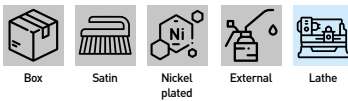
EXTERNAL THREAD TOOL HOLDER



Art.	€	b	h	l	Base	Bushing	Screw	Insert (not included)
SER16	€ 54,80	16 mm	16 mm	100 mm	-----	-----	KV350	16ER...
SER20	€ 70,40	20 mm	20 mm	125 mm	BSER16	BU3550	KV350	16ER...
SER25	€ 81,30	25 mm	25 mm	150 mm	BSER16	BU3550	KV350	16ER...

SNRX

INTERNAL THREAD TOOL HOLDER

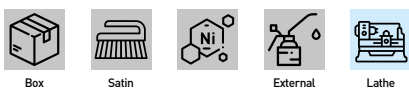
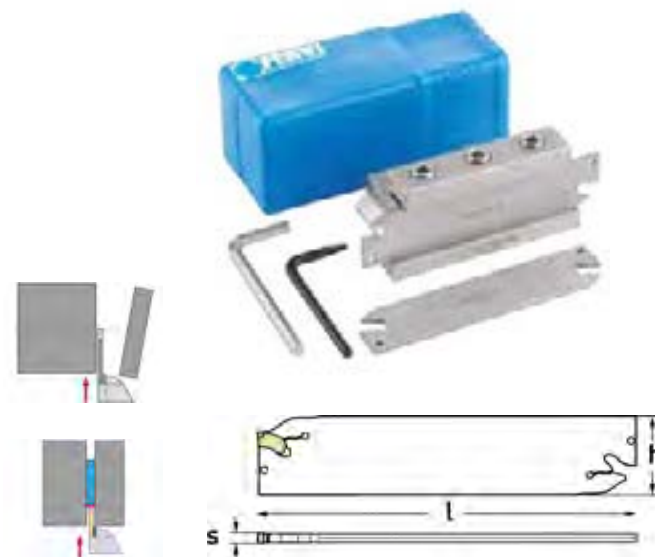


Art.	€	D	h	l	Base	Screw	Bushing	Insert (not included)
SNR12	€ 54,80	12 mm	11 mm	150 mm	-----	KV250	-----	11IR...
SNR16	€ 63,90	16 mm	15 mm	170 mm	-----	KV350	-----	16IR...
SNR20	€ 77,40	20 mm	18 mm	200 mm	BSNR16	KV350	BU3550	16IR...
SNR25	€ 95,90	25 mm	23 mm	300 mm	BSNR16	KV350	BU3550	16IR...

T088

€ 99,00

TOOL CUTTING SET

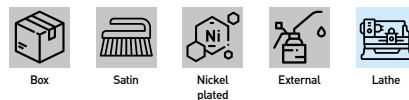
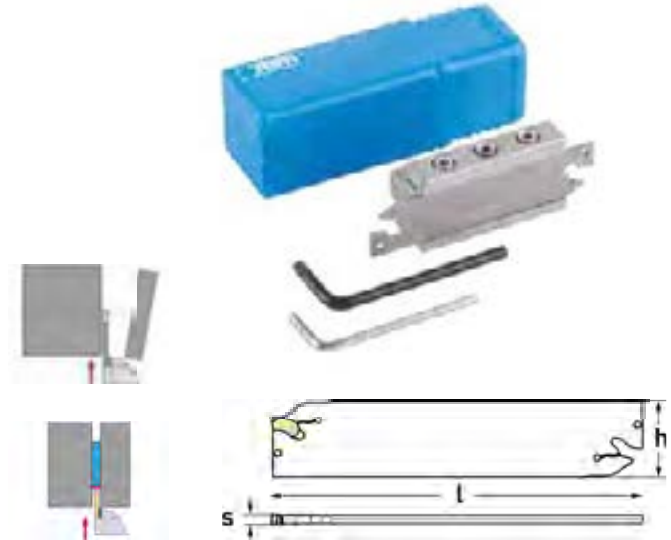


Set composition	1 Pcs SGTBK16 - 1 Pcs SGIH26/2 - 1 Pcs SGIH26/3
S	2 - 3 mm
h	25.75 mm
l	109 mm
Insert (not included)	GCMX2N - GCMX3N

T089

€ 69,30

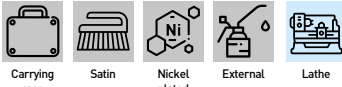
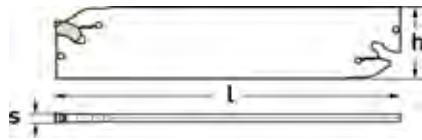
TOOL CUTTING SET



Set composition	1 Pcs SGIH19/2 - 1 Pcs SGTBK10
S	2 mm
h	19.5 mm
l	85 mm
Insert (not included)	GCMX2N

T09X

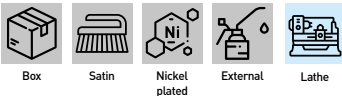
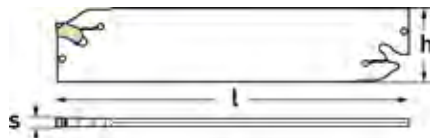
TOOL CUTTING SET



Art.	€	Set composition	S	h	l	Insert (not included)
T090	€ 163,00	1 Pcs SGIH32/3 - 1 Pcs SGIH32/4 - 1 Pcs SGIH32/5 - 1 Pcs SGTBK25	3 - 4 - 5 mm	31,75 mm	150 - 160 mm	GCMX3N - GCMX4N - GCMX5N
T091	€ 119,00	1 Pcs SGIH26/2 - 1 Pcs SGIH26/3 - 1 Pcs SGTBK20	2 - 3 mm	25,75 mm	109 mm	GCMX2N - GCMX3N

SGIH

TOOL FOR EXTERNAL CUTTING - BLADE



Art.	€	S	h	l	Insert (not included)
SGIH26/2	€ 33,00	2 mm	25.75 mm	109 mm	GCMX2N...
SGIH26/3	€ 33,00	3 mm	25.75 mm	109 mm	GCMX3N...
SGIH32/3	€ 33,00	3 mm	31.75 mm	150 mm	GCMX3N...
SGIH32/4	€ 33,00	4 mm	31 mm	150 mm	GCMX4N...
SGIH32/5	€ 33,00	5 mm	31.75 mm	150 mm	GCMX5N...
SGIH19/2	€ 26,50	2 mm	19.5 mm	85 mm	GCMX2N...

SGTBK

TOOL FOR EXTERNAL CUTTING - BLADE TOOL HOLDER



Art.	€	Spindle	Dimensions	Blade
SGTBK10	€ 43,80	10 x 10 mm	56 x 25 x 30 mm	19 mm
SGTBK16	€ 47,50	16 x 16 mm	87 x 38 x 33 mm	26 mm
SGTBK20	€ 52,30	20 x 20 mm	100 x 38 x 45h mm	26 mm
SGTBK25	€ 65,30	25 x 25 mm	110 x 49 x 48h mm	32 mm



MAIN TYPES OF MILLING

Shoulder milling


Milling that generates 2 faces at the same time obtaining a 90° shoulder

Flattening


Milling to make a rough surface flat

High feed milling


Face milling with tools that allow high feed rates (up to 4mm/tooth)

Copying


Combination of discordant and concordant milling, requires many unfavourable engagements and disengagements in cutting.

Quarry milling


Milling for the execution of a quarry or a seat

Chamfering


Milling for chamfering holes or contours.

MAIN MILLING FORMULAS

- $V_t = (D_{cap} \times n \times n) \div 1000$
- $n = (V_t \times 1000) \div (n \times D_{cap})$
- $F_z = V_f \div (n \times Z_c)$
- $V_f = F_z \times n \times Z_c$

Key

D_{cap} : Cutting diameter at effective cutting depth d_{oc} (mm)

F_z : Feed per tooth (mm/tooth)

Z_c : Number of effective milling machine teeth

V_f : Table feed (mm/min)

F_n : Feed per revolution (mm/tooth)

d_{oc} : Cutting depth (mm)

V_c : Cutting speed (m/min)

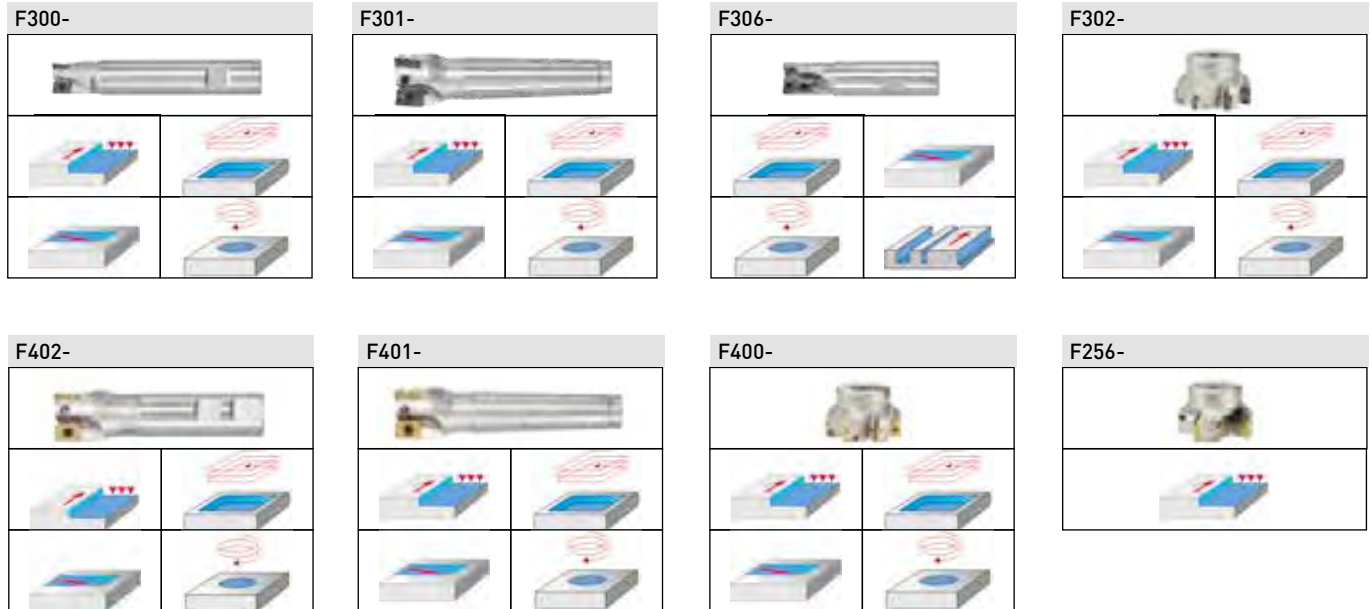
n : Spindle rotation speed (mm/min)

π : its value is 3.14

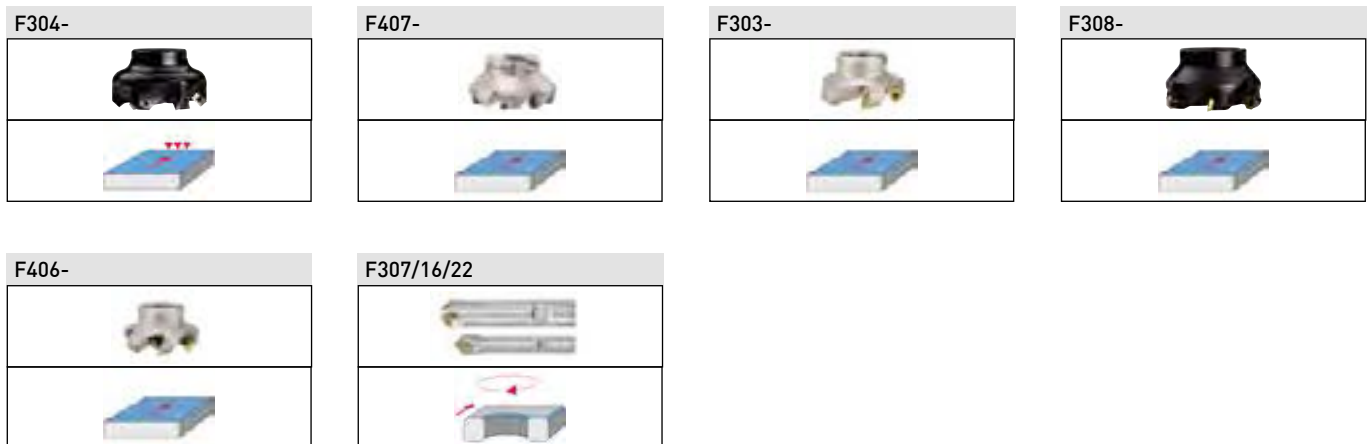


FERVI MILLING TOOLS TYPOLOGY

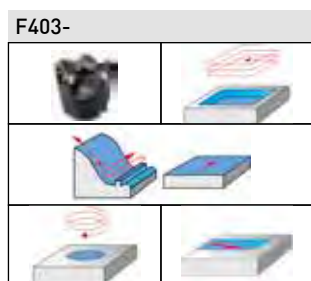
90° MILLING CUTTER



45° MILLING MACHINE

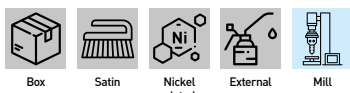


MILLING MACHINE FOR CONTOURING AND FLATTENING ROUND INSERTS



F300-
STRAIGHT SHANK FACE MILLING CUTTER

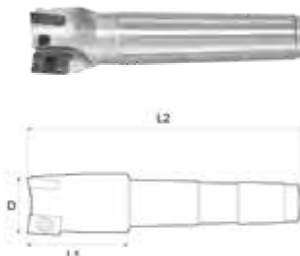
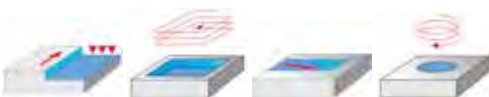
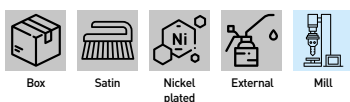
With cylindrical shank



Art.	€	D	d	Z	L1	L2	Screw	Insert (not included)
F300/12	€ 37,50	12 mm	12 mm	1	27 mm	120 mm	KV250	APKT1003...
F300/14	€ 37,50	14 mm	12 mm	1	27 mm	120 mm	KV250	APKT1003...
F300/16	€ 44,60	16 mm	16 mm	2	27 mm	120 mm	KV250	APKT1003...
F300/18	€ 49,70	18 mm	16 mm	2	27 mm	120 mm	KV250	APKT1003...
F300/20	€ 53,30	20 mm	20 mm	3	27 mm	120 mm	KV250	APKT1003...
F300/22	€ 53,30	22 mm	20 mm	3	27 mm	120 mm	KV250	APKT1003...
F300/25	€ 63,80	25 mm	20 mm	4	27 mm	120 mm	KV250	APKT1003...
F300/25/16	€ 63,80	25 mm	20 mm	2	44 mm	120 mm	KV400	APKT1604...
F300/25/16L	€ 74,20	25 mm	20 mm	2	44 mm	200 mm	KV400	APKT1604...
F300/32/16	€ 74,20	32 mm	25 mm	3	50 mm	120 mm	KV400	APKT1604...
F300/32/16L	€ 103,00	32 mm	32 mm	3	55 mm	200 mm	KV400	APKT1604...

F301-
STRAIGHT SHANK FACE MILLING CUTTER

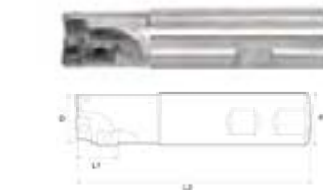
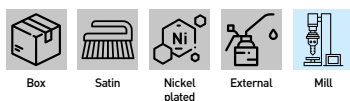
With DIN 228/A morse taper



Art.	€	D	MT	Z	L1	L2	Screw	Insert (not included)
F301/25	€ 66,10	25 mm	3	2	40 mm	125 mm	KV400	APKT1604...
F301/32	€ 70,60	32 mm	3	3	40 mm	125 mm	KV400	APKT1604...
F301/40	€ 90,10	40 mm	3	4	35 mm	125 mm	KV400	APKT1604...
F301/32CM4	€ 90,10	32 mm	4	3	45 mm	150 mm	KV400	APKT1604...
F301/40CM4	€ 95,90	40 mm	4	4	40 mm	150 mm	KV400	APKT1604...

F306-
FACE MILLING CUTTER

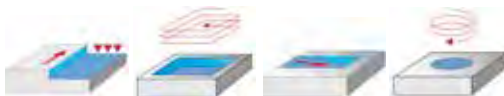
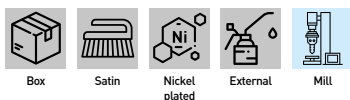
With front perforating cut for making slots, with cylindrical attachment. It allows you to make slots from solid



Art.	€	D	d	Z	L1	L2	Screw	Insert (not included)
F306/20	€ 82,30	20 mm	20 mm	3	18 mm	90 mm	KV250	APKT1003...
F306/25	€ 100,00	25 mm	25 mm	3	18 mm	100 mm	KV250	APKT1003...

F302-
FACE MILLING CUTTER

With sleeve connection



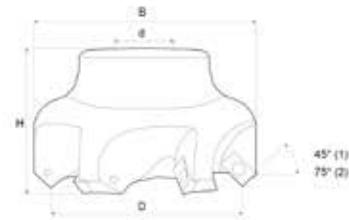
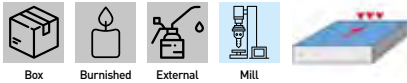
Art.	€	D	L	d	Z	Screw	Insert (not included)
F302/040	€ 145,00	40 mm	40 mm	16 mm	4	KV400	APKT1604...
F302/050	€ 150,00	50 mm	45 mm	22 mm	4	KV400	APKT1604...
F302/063	€ 158,00	63 mm	50 mm	22 mm	6	KV400	APKT1604...
F302/080	€ 187,00	80 mm	50 mm	27 mm	7	KV400	APKT1604...
F302/100	€ 232,00	100 mm	50 mm	32 mm	8	KV400	APKT1604...



F304-

FACE MILLING CUTTER FOR BLIND SIDE'S INSERT

With sleeve connection

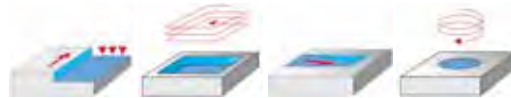
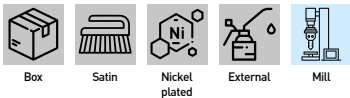


Art.	€	D	H	B	d	Z	Screw	Insert (not included)
F304/063	€ 268,00	63 mm	42 mm	71.2 mm	22 mm	6	KV250	APKT1003...
F304/080	€ 217,00	80 mm	47 mm	84 mm	27 mm	5	KV400	APKT1604...

F402-

FACE MILLING CUTTER

With cylindrical shank

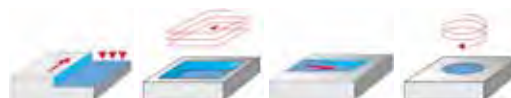
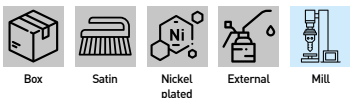


Art.	€	D	d	Z	L1	L2	Screw	Insert (not included)
F402/25	€ 53,80	25 mm	20 mm	2	35 mm	110 mm	KV400	ADLT1503...
F402/32	€ 67,70	32 mm	25 mm	3	35 mm	120 mm	KV400	ADLT1503...
F402/25L	€ 73,30	25 mm	25 mm	2	35 mm	200 mm	KV400	ADLT1503...
F402/32L	€ 94,00	32 mm	25 mm	3	35 mm	200 mm	KV400	ADLT1503...

F401-

FACE MILLING CUTTER

With DIN 228/A morse taper

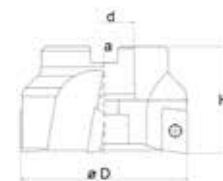
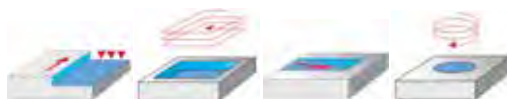
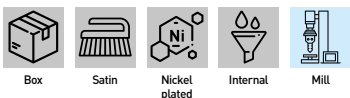


Art.	€	D	MT	Z	L1	L2	Screw	Insert (not included)
F401/25	€ 65,00	25 mm	3	2	44 mm	130 mm	KV400	ADLT1503...
F401/32	€ 79,40	32 mm	3	3	44 mm	130 mm	KV400	ADLT1503...
F401/40	€ 87,00	40 mm	3	4	44 mm	130 mm	KV400	ADLT1503...
F401/40CM4	€ 102,00	40 mm	4	4	44 mm	153 mm	KV400	ADLT1503...

F400-

FACE MILLING CUTTER

With sleeve connection, recommended for use on machines with medium power

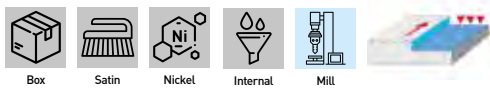


Art.	€	D	H	a	d	Z	Screw	Insert (not included)
F400/040	€ 93,20	40 mm	40 mm	8,4 mm	16 mm	4	KV400	ADLT1503...
F400/050	€ 125,00	50 mm	40 mm	10,4 mm	22 mm	5	KV400	ADLT1503...
F400/063	€ 143,00	63 mm	40 mm	10,4 mm	22 mm	6	KV400	ADLT1503...
F400/080	€ 183,00	80 mm	50 mm	12,4 mm	27 mm	7	KV400	ADLT1503...
F400/100	€ 225,00	100 mm	50 mm	14,4 mm	32 mm	8	KV400	ADLT1503...

F256-

FACE MILLING

With sleeve connection, recommended for use on machines with medium power



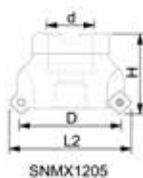
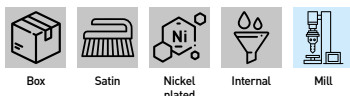
Art.	€	D	H	a	d	Z	Screw	Insert (not included)
F256/040	€ 147,00	40 mm	40 mm	16 mm	16 mm	3	F256/644	TPKN1603...
F256/050	€ 151,00	50 mm	40 mm	16 mm	22 mm	3	F256/644	TPKN1603...
F256/063	€ 164,00	63 mm	40 mm	16 mm	22 mm	3	F256/644	TPKN1603...
F256/080	€ 168,00	80 mm	50 mm	22 mm	27 mm	4	F256/648	TPKN2204...
F256/100	€ 217,00	100 mm	50 mm	22 mm	32 mm	5	F256/648	TPKN2204...

F407-

PRO

MILLING CUTTER WITH NEGATIVE INSERTS FOR FACE MILLING

With sleeve connection, recommended for use on machines with medium/high power.

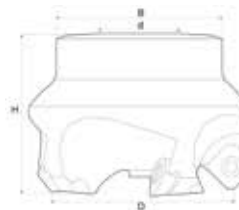
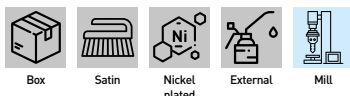


Art.	€	D	H	L2	d	Z	Screw	Insert (not included)
F407/050	€ 123,00	50	40	63	22	4	KV401	ONMX1205... - SNMX1205...
F407/063	€ 164,00	63	40	75	22	6	KV401	ONMX1205... - SNMX1205...
F407/080	€ 204,00	80	50	93	27	7	KV401	ONMX1205... - SNMX1205...
F407/100	€ 246,00	100	50	113	32	8	KV401	ONMX1205... - SNMX1205...

F303-

FACE MILLING CUTTER

With sleeve connection, recommended for use on machines with medium power

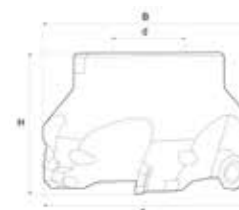


Art.	€	D	H	B	d	Z	Screw	Insert (not included)
F303/040	€ 115,00	40 mm	45 mm	53 mm	16 mm	3	KV500	SEHX1204... / SEHT1204...
F303/050	€ 129,00	50 mm	48 mm	60 mm	22 mm	4	KV500	SEHX1204... / SEHT1204...
F303/063	€ 151,00	63 mm	50 mm	76 mm	22 mm	5	KV500	SEHX1204... / SEHT1204...
F303/080	€ 181,00	80 mm	50 mm	93 mm	27 mm	5	KV500	SEHX1204... / SEHT1204...
F303/100	€ 213,00	100 mm	50 mm	113 mm	32 mm	6	KV500	SEHX1204... / SEHT1204...
F303/125	€ 313,00	125 mm	60 mm	138 mm	40 mm	7	KV500	SEHX1204... / SEHT1204...

F308-

FACE MILLING CUTTERS

With sleeve connection, thanks to the very positive geometry, excellent machined surfaces are obtained



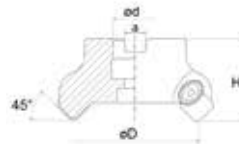
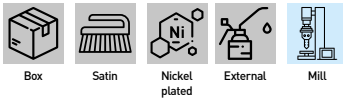
Art.	€	D	H	L2	d	Z	Screw	Insert (not included)
F308/063	€ 215,00	63 mm	40 mm	68 mm	22 mm	5	KV400	OFEX05T3...
F308/080	€ 277,00	80 mm	50 mm	86 mm	27 mm	6	KV400	OFEX05T3...
F308/100	€ 353,00	100 mm	50 mm	106 mm	32 mm	7	KV400	OFEX05T3...



F406-

FACE MILLING CUTTER

With sleeve connection, recommended for use on machines with reduced power



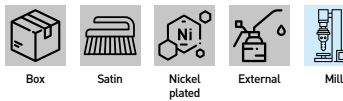
Art.	€	D	H	a	d	Z	Screw	Insert base	Insert (not included)
F406/40	€ 147,00	40 mm	48 mm	8,4 mm	16 mm	3	VT00440	WSSP	SEKN1203...
F406/50	€ 153,00	50 mm	48 mm	10,4 mm	22 mm	4	VT00440	WSSP	SEKN1203...
F406/63	€ 164,00	63 mm	48 mm	12,4 mm	22 mm	5	VT00440	WSSP	SEKN1203...
F406/80	€ 189,00	80 mm	50 mm	14,4 mm	27 mm	5	VT00440	WSSP	SEKN1203...
F406/100	€ 243,00	100 mm	50mm	16,4 mm	32 mm	6	VT00440	WSSP	SEKN1203...

F307/16/22

€ 147,00

INSERTS COUNTER SINKS SET

With cylindrical shank, for deburring of holes, slots and pockets, for milling plate edges



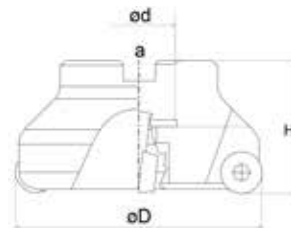
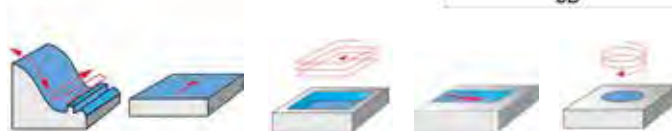
D	16 / 22 mm
d	12 / 20 mm
L1	7 mm
L2	90 / 100 mm
Z	1 / 2
Screw	KV250
Insert (not included)	TCMT1102



F403-

FACE MILLING CUTTER

With sleeve connection



Art.	€	D	H	a	d	Z	Screw	Insert (not included)
F403/40	€ 99,60	40 mm	40 mm	8,4 mm	16 mm	3	KV400	RPMT1204...
F403/50	€ 129,00	50 mm	40 mm	10,4 mm	22 mm	4	KV400	RPMT1204...
F403/63	€ 155,00	63 mm	40 mm	10,4 mm	22 mm	5	KV400	RPMT1204...
F403/80	€ 183,00	80 mm	50 mm	12,4 mm	27 mm	6	KV400	RPMT1204...
F403/100	€ 217,00	100 mm	50 mm	14,4 mm	32 mm	6	KV400	RPMT1204...



BSTG16 € 24,60
SET 5 BASES
16MM



BU3550 € 24,60
5 BUSHING
SET



BSCL09 € 24,60
SET 5 BASES
9MM



BSCL12 € 24,60
SET 5 BASES
12MM



BU4560 € 24,60
5 BUSHING
SET



BSSS12 € 24,60
5 SQUARE
BASES 12MM



BSVJ16 € 24,60
SET 5 BASES
16MM



BSDJ11 € 27,50
5 RHOMBIC
BASES 11MM



BU4050 € 27,00
5 BUSHING
SET



RICAPCLN € 16,60
BASE
BRACKET
SCREW KIT



RICAPTGN € 15,40
BASE
BRACKET
SCREW KIT



RICAPSSN € 16,60
BASE
BRACKET
SCREW KIT



STAFCKJNR € 19,50
RIGHT TOOL
BRACKET



STAFCKJNL € 19,50
LEFT TOOL
BRACKET



BASECKJNR € 11,30
CARBIDE BASE
RIGHT TOOL



BASECKJNL € 11,30
CARBIDE BASE
LEFT TOOL



VITECKJN € 4,58
TOOL SCREW



PDJNRKIT € 19,00
KIT PARTS



PWLNRRKIT € 15,90
BASE
BRACKET
SCREW KIT



MCLNBASE25/32 € 19,30
BASE



CTMTMC16/20 € 23,80
TOOL
BRACKET 16
- 20



CTMTMC25/32 € 23,80
TOOL
BRACKET 25
- 32



MTFNBASE25/32 € 15,00
BASE



CTFP10/12 € 23,80
TOOL
BRACKET



CTFPBASE25/32 € 15,00
BASE
For 25 - 32



BSER16 € 32,50
5 CARBIDE
BASE 16MM



VT00440 € 20,80
5 PCS MILL
SCREWS



BSNR16 € 32,50
5 CARBIDES
16 mm



F256/648 € 12,50
MILL SCREW
080/125



KVX
SCREWS 10 PCS



F256/644 € 7,00
MILL SCREW
040/063



WSSP € 8,50
BASE



Art.	€	Screw
KV200	€ 20,40	T8 / M2
KV250	€ 20,40	T8 / M2,5
KV300	€ 20,40	T15 / M3
KV350	€ 20,40	T15 / M3,5
KV400	€ 20,40	T15 / M4
KV401	€ 20,40	T20 / M4
KV450	€ 20,40	T15 / M4,5
KV500	€ 20,40	T20 / M5



IDENTIFICATION OF TURNING AND MILLING INSERTS

C	N	M	G	12	04	08
1	2	3	4	5	6	7

1 - Shape of insert

2 - Relief angle

4 - Type of insert

5 - Cutting edge length

7 - Raggio

	04	r 0,4
	08	r 0,8
	12	r 1,2
	10	r 1,0

3 - Tollerance

	m	s	d
E	0,025	0,025	0,025
H	0,013	0,025	0,013
L	0,025	0,025	0,05 - 0,13
K	0,013	0,025	0,05 - 0,13
M	0,08	0,13	0,05 - 0,13
U	0,13 - 0,38	0,13 - 0,13	0,08 - 0,25

6 - Thickness

02	2,38 mm		
03	3,18 mm		
T3	3,97 mm		
04	4,76 mm		
05	5,56 mm		
06	6,35 mm		

ISO MATERIAL CLASSIFICATION

P	M	K
Lead and case-hardening steels, tempering and construction steels	Ferritic, austenitic, martensitic, duplex steels	Gray, hardened, spheroidal cast iron, CGI cast iron, sintered iron

CHARACTERISTICS OF INSERT GRADES

Grade	Coating	Work condition	Coolant	
N	CVD	Stable/Normal	X	
134	PVD	Stable/Normal		X
234	PVD	Stable/Normal		X
25	PVD	Stable		X
20A	PVD	Stable/Normal	X	X
F15	CVD	Stable	X	X
F25	CVD	Stable/Normal	X	X
M25	CVD	Stable/Normal	X	X
M35	CVD	Normal/Interrupted	X	X

	Description
	Coating
CVD	They are characterised by high wear resistance and excellent adhesion to carbide. In general turning they are applied in stainless steels and in the ISO P,M,K ranges.
PVD	They increase wear resistance due to their hardness. Their compressive stresses contribute to increased cutting edge toughness and resistance to comb crack formation.
Work condition	
Stable	Type of cut in which the insert has a homogeneous working condition.
Normal	Type of cut in which the insert may have an interrupted/repeated cutting condition.
Interrupted	Type of cut in which the insert will have several interruptions/restarts during processing.

IDENTIFICATION OF THREADING INSERTS

16	E	R	175	ISO
A1	A2	A3	A4	A5

A3 - Cutting direction	
R	Right
L	Left

A5 - Thread profile	
ISO	60° Metric Thread
W	Thread Whitworth 55°
AG60	60° Profile (Free Thread) 0,5 - 3mm
AG55	55° Profile (Free Thread) 28 - 11 TPI

A1 - Cutting edge length	
l	d
11	6,35
16	9,525
22	12,7

A2 - Threading	
E	I
External	Internal

A4 - Thread pitch	
mm	Threads/Inch
$\frac{A4}{100}$ (0,5 - 3mm)	(28 - 11 TPI)

GUIDE TO CHOOSING THE INSERT

Type of insert	Materials			Field of use			Type of processing	
	P	M	K	Finish	Medium	Roughing	Turning	Milling
CCMTx	●	○	○	✓			✓	
CCMTxA	●	○	○	✓			✓	
CNMGx	●	○	○	✓	✓		✓	
CNMGxF15	●	○	○	✓			✓	
CNMGxF25	○	○	○	✓			✓	
CNMGxM25	●	○	○		✓		✓	
CNMGxM35	○	○	○		✓		✓	
DCMTx	●	○	○	✓			✓	
DCMTxA	●	●	○	✓			✓	
DNMGx	●	○	○		✓		✓	
DNMGxM25	●	○	○		✓		✓	
DNMGxM35	○	○	○		✓		✓	
KNUx	●	○	○	✓			✓	
SCMTx	●	●	○	✓			✓	
SCMTxA1	●	○	○	✓			✓	
SCMTxA2	●	●	○	✓	✓		✓	
SCMTxA3	●	●	○	✓	✓		✓	
SNMGxF15	●	○	○	✓			✓	
SNMGxF25	○	○	○	✓			✓	
SNMGxM25	●	○	○		✓		✓	
SNMGxM35	○	○	○		✓		✓	
SPMRx	●	○	○	✓			✓	
TCMTx	●	●	○	✓	✓		✓	
TCMTxA	●	○	○	✓			✓	
WNMGx	●	○	○		✓		✓	
WNMGxM25	●	○	○		✓		✓	
WNMGxM35	○	○	○		✓		✓	



Type of insert	Materials			Field of use			Type of processing	
	P	M	K	Finish	Medium	Roughing	Turning	Milling
TNMGx	●	○	○	✓			✓	
TNMGxF15	●	○	○	✓			✓	
TNMGxF25	●	○	○	✓			✓	
TNMGxM25	●	○	○		✓		✓	
TNMGxM35	○	○	○		✓		✓	
TPMRx	●	○	○	✓			✓	
VBMTx	○	○	○	✓			✓	
VBMTxA	●	●	○	✓	✓		✓	
ADLTx	●	○	○		✓	✓		✓
ADLTxA	●	●	○		✓	✓		✓
ADLTxA1	●	●	○		✓	✓		✓
APKTx	○	●	○		✓			✓
OFEXx	●	○	○	✓	✓			✓
OFEXxA	●	●	○	✓	✓			✓
ONMXxA	●	●	○	✓	✓			✓
RDHTx	●	○	○		✓	✓		✓
RPMTx	●	○	○		✓	✓		✓
SEHTx	●	○	○	✓	✓			✓
SEHTxA	○	●	○	✓	✓			✓
SEKNx	●	○	○		✓	✓		✓
SEHXx	○	○	○		✓	✓		✓
SEHXxA	●	○	○		✓	✓		✓
SNMXx	●	●	○	✓	✓			✓
SPKNx	●	○	○		✓	✓		✓
TPKNx	●	○	○		✓	✓		✓
GCMX	●	○	○				✓	
GCMXA	○	●	○				✓	

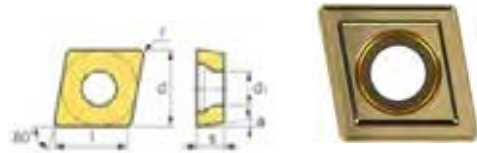
Key

- Recommended Application
- Possible Application
- ✓ Recommended field of application

CCMTX

TURNING INSERTS

Positive

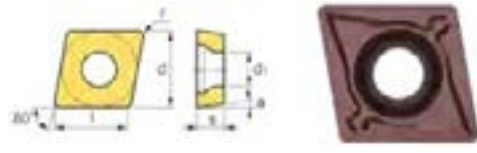


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
CCMT060204N	€ 7,20	6 mm	6.35 mm	6.30 mm	2.38 mm	0.40 mm	2.80 mm	7°	10
CCMT09T304N	€ 8,30	9 mm	9.52 mm	9.70 mm	3.97 mm	0.40 mm	4.40 mm	7°	10
CCMT09T308N	€ 8,30	9 mm	9.52 mm	9.70 mm	3.97 mm	0.80 mm	4.40 mm	7°	10
CCMT120408N	€ 11,00	12 mm	12.70 mm	12.90 mm	4.76 mm	0.80 mm	5.50 mm	7°	10

CCMTXA

TURNING INSERTS

Positive

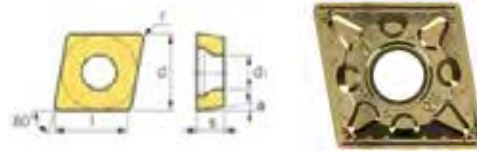
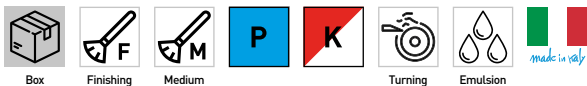


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
CCMT06020420A	€ 7,50	6 mm	6.35 mm	6.30 mm	2.38 mm	0.40 mm	2.80 mm	7°	10
CCMT09T30420A	€ 8,80	9 mm	9.52 mm	9.70 mm	3.97 mm	0.40 mm	4.40 mm	7°	10
CCMT09T30820A	€ 8,80	9 mm	9.52 mm	9.70 mm	3.97 mm	0.80 mm	4.40 mm	7°	10
CCMT12040820A	€ 11,50	12 mm	12.70 mm	12.90 mm	4.76 mm	0.80 mm	5.50 mm	7°	10

CNMGX

TURNING INSERTS

Negative



Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
CNMG120404N	€ 9,20	12 mm	12.70 mm	12.90 mm	4.76 mm	0.40 mm	5.16 mm	-	10
CNMG120408N	€ 9,20	12 mm	12.70 mm	12.90 mm	4.76 mm	0.80 mm	5.16 mm	-	10

CNMGXF15

TURNING INSERTS

Negative

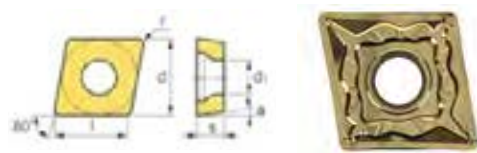


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
CNMG120404F15	€ 9,70	12 mm	12.70 mm	12.90 mm	4.76 mm	0.40 mm	5.16 mm	-	10

CNMGXF25

TURNING INSERTS

Negative



Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
CNMG120404F25	€ 9,70	12 mm	12.70 mm	12.90 mm	4.76 mm	0.40 mm	5.16 mm	-	10



CNMGXM25

TURNING INSERTS

Negative



Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
CNMG120408M25	€ 9,70	12 mm	12.70 mm	12.90 mm	4.76 mm	0.80 mm	5.16 mm	-	10

CNMGXM35

TURNING INSERTS

Negative

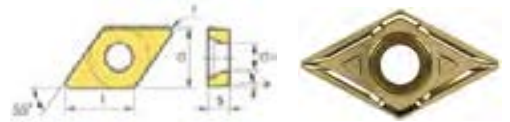


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
CNMG120408M35	€ 9,70	12 mm	12.70 mm	12.90 mm	4.76 mm	0.80 mm	5.16 mm	-	10

DCMTX

TURNING INSERTS

Positive

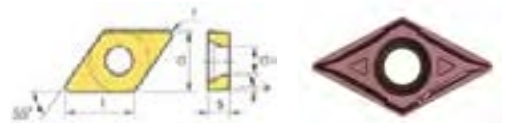


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
DCMT070204N	€ 7,20	7 mm	6.35 mm	7.70 mm	2.38 mm	0.40 mm	2.80 mm	7°	10
DCMT11T304N	€ 9,50	11 mm	9.52 mm	11.60 mm	3.97 mm	0.40 mm	2.20 mm	7°	10

DCMTXA

TURNING INSERTS

Positive

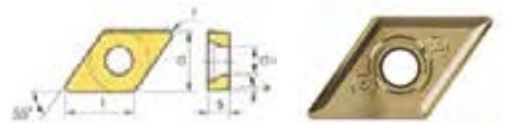


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
DCMT07020420A	€ 7,50	7 mm	6.35 mm	7.70 mm	2.38 mm	0.40 mm	2.80 mm	7°	10
DCMT11T30420A	€ 9,90	11 mm	9.52 mm	11.60 mm	3.97 mm	0.40 mm	2.20 mm	7°	10

DNMGX

TURNING INSERTS

Negative

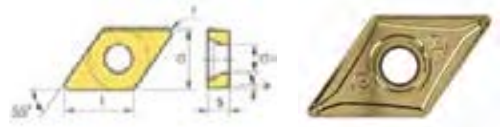


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
DNMG150608N	€ 13,80	15 mm	12.70 mm	15.50 mm	6.35 mm	0.80 mm	5.20 mm	-	10

DNMGXM25

TURNING INSERTS

Negative

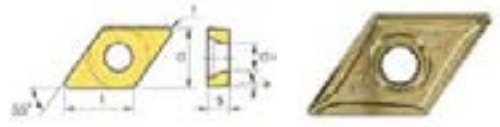


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
DNMG150608M25	€ 14,70	15 mm	12.70 mm	15.50 mm	6.35 mm	0.80 mm	5.20 mm	-	10

DNMGXM35

TURNING INSERTS

Negative

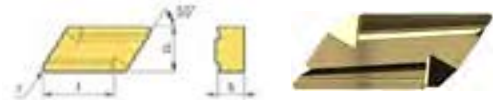


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
DNMG150608M35	€ 14,70	15 mm	12.70 mm	15.50 mm	6.35 mm	0.80 mm	5.20 mm	-	10

KNUX

TURNING INSERTS

Positive



Art.	€	Dimensions	d	l	S	r	a°	Pack
KNUX160405RN	€ 11,80	16 mm	9.52 mm	19.72 mm	4.76 mm	0.50 mm	-	10
KNUX160410RN	€ 11,80	16 mm	9.52 mm	19.72 mm	4.76 mm	1.00 mm	-	10
KNUX160405LN	€ 11,80	16 mm	9.52 mm	19.72 mm	4.76 mm	0.50 mm	-	10
KNUX160410LN	€ 11,80	16 mm	9.52 mm	19.72 mm	4.76 mm	1.00 mm	-	10

SCMTX

TURNING INSERTS

Positive

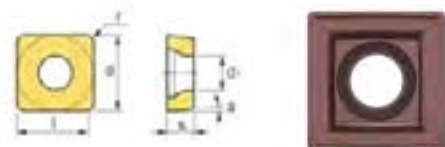


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
SCMT09T304N	€ 8,40	9 mm	9.52 mm	9.52 mm	3.97 mm	0.40 mm	4.40 mm	7°	10
SCMT09T308N	€ 8,40	9 mm	9.52 mm	9.52 mm	3.97 mm	0.80 mm	4.40 mm	7°	10
SCMT120408N	€ 11,70	12 mm	12.70 mm	12.70 mm	4.76 mm	0.80 mm	5.50 mm	7°	10

SCMTXA1

TURNING INSERTS

Positive



Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
SCMT09T30420A	€ 8,90	9 mm	9.52 mm	9.52 mm	3.97 mm	0.40 mm	4.40 mm	7°	10



SCMTXA2

TURNING INSERTS

Positive

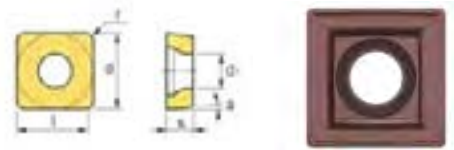


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
SCMT09T30820A	€ 8,90	9 mm	9.52 mm	9.52 mm	3.97 mm	0.80 mm	4.40 mm	7°	10

SCMTXA3

TURNING INSERTS

Positive

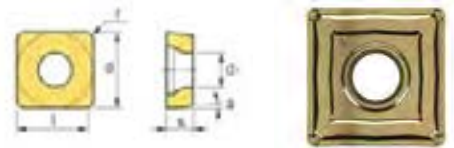


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
SCMT12040820A	€ 12,20	12 mm	12.70 mm	12.70 mm	4.76 mm	0.80 mm	5.50 mm	7°	10

SNMGXF15

TURNING INSERTS

Negative

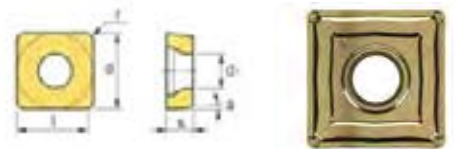


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
SNMG120404F15	€ 10,90	12 mm	12.70 mm	12.70 mm	4.76 mm	0.40 mm	5.16 mm	-	10

SNMGXF25

TURNING INSERTS

Negative

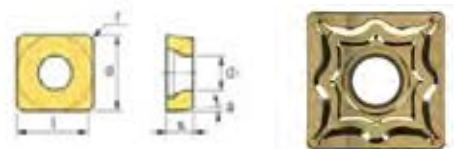


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
SNMG120404F25	€ 10,90	12 mm	12.70 mm	12.70 mm	4.76 mm	0.40 mm	5.16 mm	-	10

SNMGXM25

TURNING INSERTS

Negative

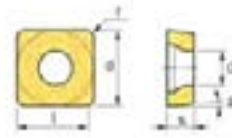


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
SNMG120408M25	€ 10,90	12 mm	12.70 mm	12.70 mm	4.76 mm	0.80 mm	5.16 mm	-	10

SNMGXM35

TURNING INSERTS

Negative

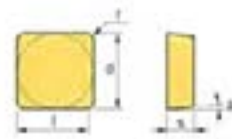


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
SNMG120408M35	€ 10,90	12 mm	12.70 mm	12.70 mm	4.76 mm	0.80 mm	5.16 mm	-	10

SPMRX

TURNING INSERTS

Positive

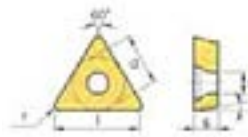


Art.	€	Dimensions	d	l	S	r	a°	Pack
SPMR120304N	€ 9,60	12 mm	12.70 mm	12.70 mm	3.18 mm	0.40 mm	11°	10
SPMR120308N	€ 9,60	12 mm	12.70 mm	12.70 mm	3.18 mm	0.80 mm	11°	10

TCMTX

TURNING INSERTS

Positive



Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
TCMT090204N	€ 7,00	9 mm	3.40 mm	9.63 mm	2.38 mm	0.40 mm	2.50 mm	7°	10
TCMT110204N	€ 7,30	11 mm	6.35 mm	11.00 mm	2.38 mm	0.40 mm	2.80 mm	7°	10
TCMT16T304N	€ 9,30	16 mm	9.52 mm	16.50 mm	3.97 mm	0.40 mm	4.40 mm	7°	10
TCMT16T308N	€ 9,30	16 mm	9.52 mm	16.50 mm	3.97 mm	0.80 mm	4.40 mm	7°	10

TCMTXA

TURNING INSERTS

Positive



Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
TCMT09020420A	€ 7,40	9 mm	3.40 mm	9.63 mm	2.38 mm	0.40 mm	2.50 mm	7°	10
TCMT11020420A	€ 7,70	11 mm	6.35 mm	11.00 mm	2.38 mm	0.40 mm	2.80 mm	7°	10
TCMT16T30420A	€ 9,80	16 mm	9.52 mm	16.50 mm	3.97 mm	0.40 mm	4.40 mm	7°	10
TCMT16T30820A	€ 9,80	16 mm	9.52 mm	16.50 mm	3.97 mm	0.80 mm	4.40 mm	7°	10

WNMGX

TURNING INSERTS

Negative



Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
WNMG080408N	€ 11,70	8 mm	12.70 mm	8.70 mm	4.76 mm	0.80 mm	5.10 mm	-	10



WNMGXM25

TURNING INSERTS

Negative

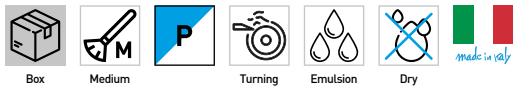


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
WNMG080408M25	€ 12,20	8 mm	12.70 mm	8.70 mm	4.76 mm	0.80 mm	5.10 mm	-	10

WNMGXM35

TURNING INSERTS

Negative



Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
WNMG080408M35	€ 12,20	8 mm	12.70 mm	8.70 mm	4.76 mm	0.80 mm	5.10 mm	-	10

TNMGX

TURNING INSERTS

Negative

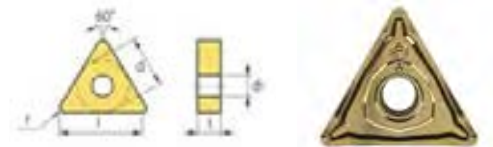


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
TNMG160404N	€ 9,90	16 mm	9.52 mm	16.50 mm	4.76 mm	0.40 mm	3.81 mm	-	10
TNMG160408N	€ 9,90	16 mm	9.52 mm	16.50 mm	4.76 mm	0.80 mm	3.81 mm	-	10
TNMG220408N	€ 11,00	22 mm	12.70 mm	18.25 mm	4.76 mm	0.80 mm	5.16 mm	-	10

TNMGXF15

TURNING INSERTS

Negative

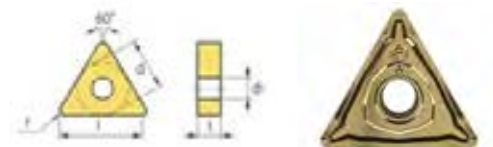


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
TNMG160404F15	€ 10,50	16 mm	9.52 mm	16.50 mm	4.76 mm	0.40 mm	3.81 mm	-	10

TNMGXF25

TURNING INSERTS

Negative

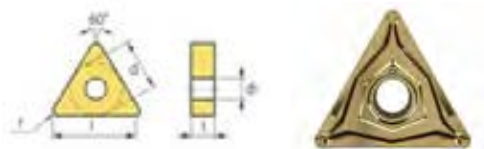


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
TNMG160404F25	€ 10,50	16 mm	9.52 mm	16.50 mm	4.76 mm	0.40 mm	3.81 mm	-	10

TNMGXM25

TURNING INSERTS

Negative

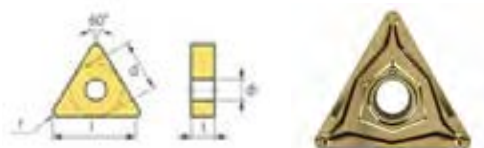


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
TNMG160408M25	€ 10,50	16 mm	9.52 mm	16.50 mm	4.76 mm	0.80 mm	3.81 mm	-	10

TNMGXM35

TURNING INSERTS

Negative



Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
TNMG160408M35	€ 10,50	16 mm	9.52 mm	16.50 mm	4.76 mm	0.80 mm	3.81 mm	-	10

TPMRX

TURNING INSERTS

Positive

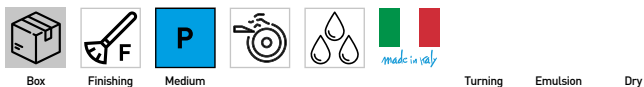


Art.	€	Dimensions	d	l	S	r	a°	Pack
TPMR110304N	€ 6,30	11 mm	5.98 mm	10.37 mm	3.18 mm	0.40 mm	11°	10
TPMR110308N	€ 6,30	11 mm	5.98 mm	10.37 mm	3.18 mm	0.80 mm	11°	10
TPMR160304N	€ 8,40	16 mm	9.23 mm	16 mm	3.18 mm	0.40 mm	11°	10
TPMR160308N	€ 8,40	16 mm	9.23 mm	16 mm	3.18 mm	0.80 mm	11°	10

VBMTX

TURNING INSERTS

Positive



Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
VBMT160404N	€ 13,40	16 mm	9.52 mm	16.60 mm	4.76 mm	0.40 mm	4.40 mm	5°	10

VBMTXA



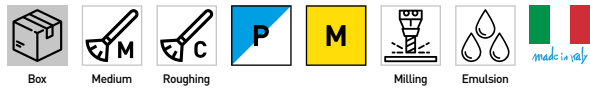
Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
VBMT16040420A	€ 14,20	16 mm	9.52 mm	16.60 mm	4.76 mm	0.40 mm	4.40 mm	5°	10



ADLTXA

MILLING INSERTS

90°



Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
ADLT150308R20A	€ 10,30	15 mm	9.52 mm	14.5 mm	3.18 mm	0.80 mm	4.50 mm	15°	10

ADLTX

MILLING INSERTS

90°



Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
ADLT1503ZZR234	€ 9,00	15 mm	9.52 mm	14.50 mm	3.18 mm	0.80 mm	4.50 mm	15°	10

ADLTXA1

MILLING INSERTS

90°



Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
ADLT1503ZZR20A	€ 9,60	15 mm	9.52 mm	14.50 mm	3.18 mm	0.80 mm	4.50 mm	15°	10

APKTX

MILLING INSERTS

90°



Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
APKT1003PDER20A	€ 11,80	10 mm	6.70 mm	10.00 mm	3.18 mm	0.50 mm	3.20 mm	11°	10
APKT1604PDER20A	€ 13,40	16 mm	9.50 mm	16.30 mm	4.76 mm	0.90 mm	4.40 mm	11°	10

OFEXX

MILLING INSERTS

45°

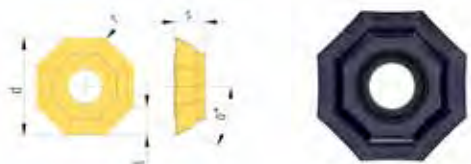


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
OFEX05T305234	€ 12,30	5 mm	12.80 mm	3.70 mm	3.97 mm	0.50 mm	4.56 mm	25°	10

OFEXXA

MILLING INSERTS

45°

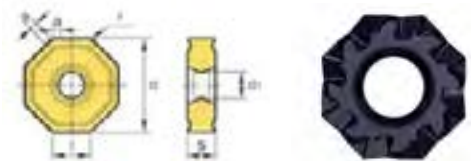


Art.	€	Dimensions	d	l	S	r	d1	a°	Pack
OFEX05T30520A	€ 13,00	5 mm	12.80 mm	3.70 mm	3.97 mm	0.50 mm	4.56 mm	25°	10

ONMXXA

MILLING INSERTS

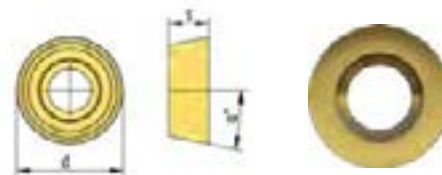
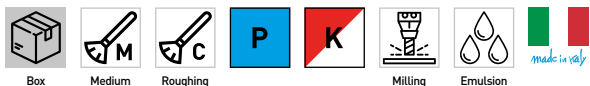
45°



Art.	€	Dimensions	d	l	S	d1	a°	Pack
ONMX120520A	€ 15,90	12 mm	12.70 mm	1.50 mm	5.56 mm	6.00 mm	-	10

RDHTX

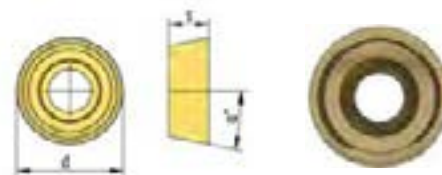
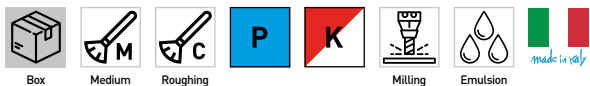
MILLING INSERTS



Art.	€	Dimensions	d	S	a°	Pack
RDHT10T3M0-N	€ 11,00	10 mm	10 mm	3.97 mm	15°	10

RPMTX

MILLING INSERTS



Art.	€	Dimensions	d	S	a°	Pack
RPMT1204N	€ 10,40	12 mm	12 mm	4.76 mm	11°	10

SEHTX

MILLING INSERTS

45°



Art.	€	Dimensions	d	a	S	d1	a°	Pack
SEHT1204AFN234	€ 16,20	12 mm	12.70 mm	1.80 mm	4.76 mm	5.50 mm	20°	10

SEHTXA

MILLING INSERTS

45°



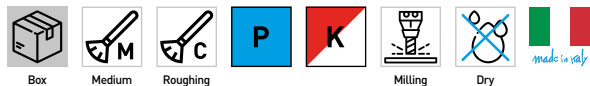
Art.	€	Dimensions	d	a	S	d1	a°	Pack
SEHT1204AFN20A	€ 17,10	12 mm	12.70 mm	1.80 mm	4.76 mm	5.50 mm	20°	10



SEKNX

MILLING INSERTS

45°



Art.	€	Dimensions	d	a	S	a°	Pack
SEKN1203AFN25	€ 9,30	12 mm	12.70 mm	1.80 mm	3.18 mm	20°	10

SEHXX

MILLING INSERTS

45°

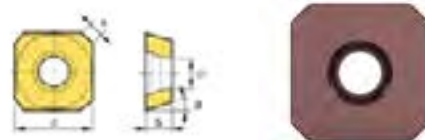


Art.	€	Dimensions	d	a	S	d1	a°	Pack
SEHX1204234	€ 12,10	12 mm	12.70 mm	1.80 mm	4.76 mm	5.50 mm	20°	10

SEHXXA

MILLING INSERTS

45°



Art.	€	Dimensions	d	a	S	d1	a°	Pack
SEHX120420A	€ 12,80	12 mm	12.70 mm	1.80 mm	4.76 mm	5.50 mm	20°	10

SNMXX

MILLING INSERTS

45°



Art.	€	Dimensions	d	a	S	d1	a°	Pack
SNMX120520A	€ 12,50	12 mm	12.70 mm	1.80 mm	5.56 mm	6.00 mm	-	10

SPKNX

MILLING INSERTS

45°



Art.	€	Dimensions	l	a	S	a°	Pack
SPKN1203R25	€ 10,70	12 mm	12.7 mm	1.40 mm	3.18 mm	11°	10

TPKNX

MILLING INSERTS

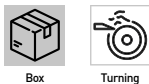
45°



Art.	€	Dimensions	d	l	a	S	a°	Pack
TPKN1603R25	€ 8,40	16 mm	9.52 mm	16.50 mm	1.47 mm	3.18 mm	11°	10
TPKN2204R25	€ 12,10	22 mm	12.70 mm	22.00 mm	1.47 mm	4.76 mm	11°	10

16IRX

INTERNAL THREAD INSERTS



Art.	€	Thread	Pack
11IRA55134	€ 11,00	Whitworth 28 - 11 TPI	10
11IRA60134	€ 11,00	Metric 0.2 - 3 mm	10
16IR100ISO134	€ 12,30	P. Metric 1 mm	10
16IR125ISO134	€ 12,30	P. Metric 1.25 mm	10
16IR150ISO134	€ 12,30	P. Metric 1.50 mm	10
16IR175ISO134	€ 12,30	P. Metric 1.75 mm	10
16IR200ISO134	€ 12,30	P. Metric 2.00 mm	10
16IR250ISO134	€ 12,30	P. Metric 2.50 mm	10
16IR300ISO134	€ 12,30	P. Metric 3.00 mm	10
16IRAG60134	€ 12,30	Metric 0.2 - 3 mm	10
16IR14W134	€ 12,30	Whitworth 14 TPI	10
16IR11W134	€ 12,30	Whitworth 11 TPI	10
16IRAG55134	€ 12,30	Whitworth 28 - 11 TPI	10

16ERX

EXTERNAL THREAD INSERTS



Art.	€	Thread	Pack
16ER100ISO134	€ 12,30	P. Metric 1 mm	10
16ER125ISO134	€ 12,30	P. Metric 1.25 mm	10
16ER150ISO134	€ 12,30	P. Metric 1.50 mm	10
16ER175ISO134	€ 12,30	P. Metric 1.75 mm	10
16ER200ISO134	€ 12,30	P. Metric 2.00 mm	10
16ER250ISO134	€ 12,30	P. Metric 2.50 mm	10
16ER300ISO134	€ 12,30	P. Metric 3.00 mm	10
16ERAG60134	€ 12,30	Metric 0.2 - 3 mm	10
16ER14W134	€ 12,30	Whitworth 14 TPI	10
16ER11W134	€ 12,30	Whitworth 11 TPI	10
16ERAG55134	€ 12,30	Whitworth 28 - 11 TPI	10

GCMX

CUTTING INSERTS



Art.	€	Thickness	r	Pack
GCMX2N134	€ 8,80	2.20 mm	0.20 mm	10
GCMX3N134	€ 8,80	3.10 mm	0.20 mm	10
GCMX4N134	€ 9,90	4.10 mm	0.20 mm	10
GCMX5N134	€ 10,40	5.10 mm	0.3 mm	10

GCMXA

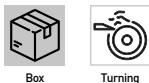
CUTTING INSERTS



Art.	€	Thickness	r	Pack
GCMX2N20A	€ 9,20	2.20 mm	0.20 mm	10
GCMX3N20A	€ 9,20	3.10 mm	0.20 mm	10
GCMX4N20A	€ 10,50	4.10 mm	0.20 mm	10
GCMX5N20A	€ 11,00	5.10 mm	0.30 mm	10

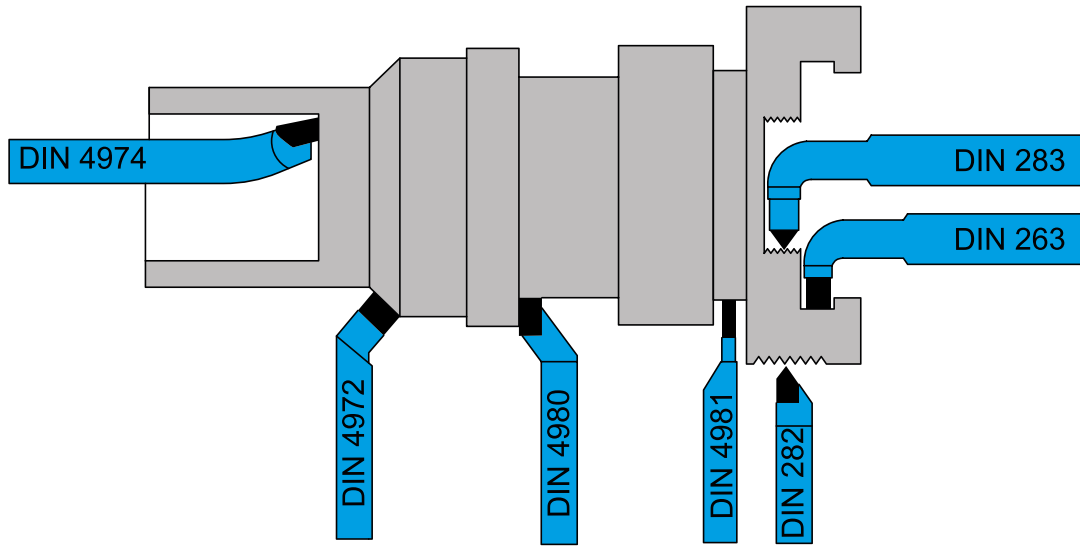
165X

GROOVE INSERTS



Art.	€	S	Pack
165110134	€ 12,30	1.10 mm	10
165130134	€ 12,30	1.30 mm	10
165160134	€ 12,30	1.60 mm	10
165185134	€ 12,30	1.85 mm	10

Art.	€	S	Pack
165215134	€ 12,30	2.15 mm	10
165265134	€ 12,30	2.65 mm	10
165315134	€ 12,30	3.15 mm	10



B005-

CARBIDE TIPPED LATH E TOOL SET

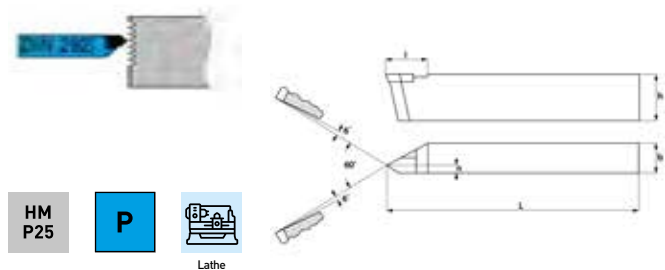


Art.	€	Kit
B005	€ 25,40	1BRAS411108RP - 1BRAS411110RP - 1BRAS410312RP - 1BRAS410412RP - 1BRAS410912RP
B005/16	€ 38,10	1BRAS411110RP - 1BRAS411112RP - 1BRAS410316RP - 1BRAS410416RP - 1BRAS410916RP
B005/20	€ 47,70	1BRAS411112RP - 1BRAS411116RP - 1BRAS410320RP - 1BRAS410420RP - 1BRAS410920RP

BRFEX

CARBIDE TIPPED TOOL FOR EXTERNAL THREAD

DIN 282, for the execution of all external 60° threads

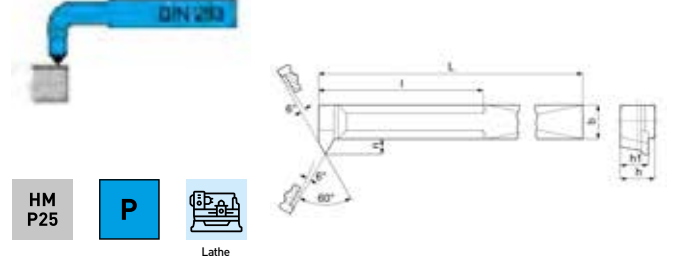


Art.	€	L	b	h
BRFE12RP	€ 9,10	90 mm	12 mm	12 mm
BRFE16RP	€ 10,40	100 mm	16 mm	16 mm
BRFE20RP	€ 12,90	125 mm	20 mm	20 mm
BRFE25RP	€ 15,60	140 mm	25 mm	25 mm

BRFIX

CARBIDE TIPPED TOOL FOR INTERNAL THREAD

DIN 283, for the execution of all internal 60° threads

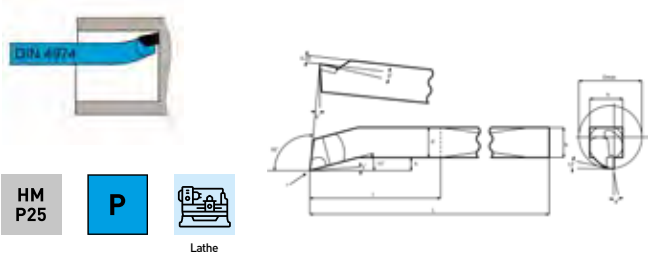


Art.	€	L	b	h
BRFI10RP	€ 9,60	150 mm	10 mm	10 mm
BRFI12RP	€ 10,40	180 mm	12 mm	12 mm
BRFI16RP	€ 12,90	210 mm	16 mm	16 mm
BRFI20RP	€ 13,40	250 mm	20 mm	20 mm
BRFI25RP	€ 16,70	300 mm	25 mm	25 mm

BRAS4111X

CARBIDE TIPPED TOOL FOR BLIND HOLES

ISO 9 - DIN 4974.



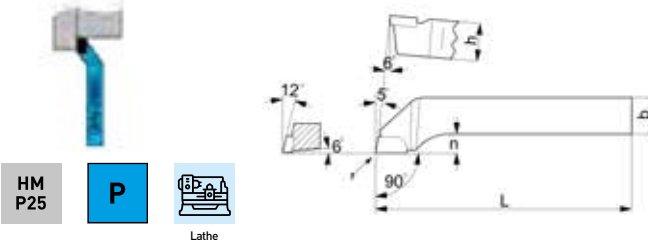
HM P25

Art.	€	L	b	h
BRAS411108RP	€ 6,90	125 mm	8 mm	8 mm
BRAS411110RP	€ 8,40	150 mm	10 mm	10 mm
BRAS411112RP	€ 8,90	180 mm	12 mm	12 mm
BRAS411116RP	€ 10,70	210 mm	16 mm	16 mm
BRAS411120RP	€ 11,50	250 mm	20 mm	20 mm
BRAS411125RP	€ 17,30	300 mm	25 mm	25 mm
BRAS411132RP	€ 20,70	355 mm	32 mm	32 mm

BRAS4104X

CARBIDE TIPPED TOOL FOR FACING

ISO 6 - DIN 4980.



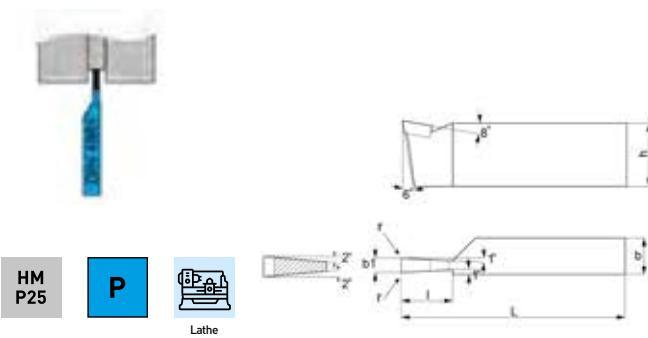
HM P25

Art.	€	L	b	h
BRAS410410LP	€ 6,00	90 mm	10 mm	10 mm
BRAS410410RP	€ 6,00	90 mm	10 mm	10 mm
BRAS410412LP	€ 6,60	100 mm	12 mm	12 mm
BRAS410412RP	€ 6,60	100 mm	12 mm	12 mm
BRAS410416LP	€ 7,90	110 mm	16 mm	16 mm
BRAS410416RP	€ 7,90	110 mm	16 mm	16 mm
BRAS410420LP	€ 9,60	125 mm	20 mm	20 mm
BRAS410420RP	€ 9,60	125 mm	20 mm	20 mm
BRAS410425RP	€ 14,00	140 mm	25 mm	25 mm

BRAS4109X

CARBIDE TIPPED TOOL FOR CUTTING OFF

ISO 7 - DIN 4981



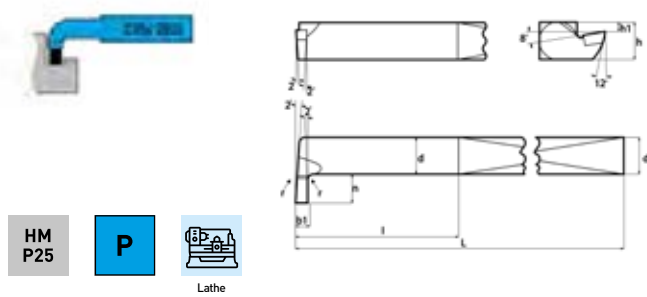
HM P25

Art.	€	L	b	h	b1
BRAS410912RP	€ 6,30	100 mm	8 mm	12 mm	3 mm
BRAS410916RP	€ 6,90	110 mm	10 mm	16 mm	3,5 mm
BRAS410920RP	€ 7,70	125 mm	12 mm	20 mm	5 mm
BRAS410925RP	€ 10,90	140 mm	16 mm	25 mm	6 mm

BRCIX

CARBIDE TIPPED TOOL FOR INTERNAL SLOTS

DIN 263.



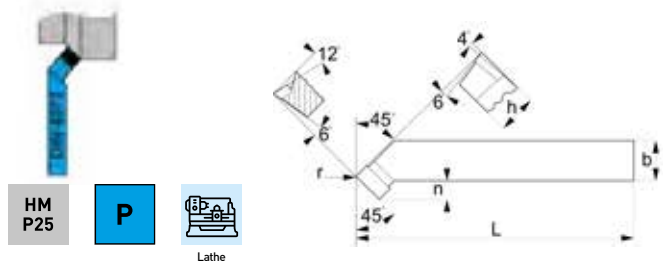
HM P25

Art.	€	L	b	h	b1
BRCI10RP	€ 9,90	150 mm	10 mm	10 mm	3 mm
BRCI12RP	€ 9,90	180 mm	12 mm	12 mm	4 mm
BRCI16RP	€ 11,30	210 mm	16 mm	16 mm	5 mm
BRCI20RP	€ 12,30	210 mm	20 mm	20 mm	6 mm
BRCI25RP	€ 15,90	300 mm	25 mm	25 mm	8 mm

BRAS4103X

CARBIDE TIPPED TOOL FOR OUTSIDE ROUGHING

ISO 2 - DIN 4972.



HM P25

Art.	€	L	b	h
BRAS410310RP	€ 6,30	90 mm	10 mm	10 mm
BRAS410312LP	€ 6,90	100 mm	12 mm	12 mm
BRAS410312RP	€ 6,90	100 mm	12 mm	12 mm
BRAS410316LP	€ 8,30	110 mm	16 mm	16 mm
BRAS410316RP	€ 8,30	110 mm	16 mm	16 mm
BRAS410320LP	€ 10,20	125 mm	20 mm	20 mm
BRAS410320RP	€ 10,20	125 mm	20 mm	20 mm
BRAS410325RP	€ 14,70	140 mm	25 mm	25 mm

B012-

HARDENED AND GROUNDED TOOL BITS



HSS CO 8%

Art.	€	ø	Length	Tolerance
B012/04	€ 8,90	4 mm	200 mm	h9
B012/05	€ 9,90	5 mm	200 mm	h9
B012/06	€ 11,30	6 mm	200 mm	h9
B012/08	€ 14,70	8 mm	200 mm	h9
B012/10	€ 18,20	10 mm	200 mm	h9
B012/12	€ 23,10	12 mm	200 mm	h9
B012/13	€ 28,40	13 mm	135 mm	h9
B012/16	€ 43,50	16 mm	200 mm	h9
B012/20	€ 56,20	20 mm	200 mm	h9



B013-

HARDENED AND GROUNDED TOOL BITS



HSS
CO 8%



Lathe

Art.	€	Sides dimension	Length	Tolerance
B013/04X04	€ 10,30	4 x 4 mm	200 mm	h13
B013/05X05	€ 13,00	5 x 5 mm	200 mm	h13
B013/06X06	€ 14,30	6 x 6 mm	200 mm	h13
B013/08X08	€ 17,30	8 x 8 mm	200 mm	h13
B013/10X10	€ 24,20	10 x 10 mm	200 mm	h13
B013/12X12	€ 28,50	12 x 12 mm	200 mm	h13
B013/14X14	€ 39,90	14 x 14 mm	200 mm	h13
B013/16X16	€ 45,80	16 x 16 mm	200 mm	h13
B013/20X20	€ 67,70	20 x 20 mm	200 mm	h13

B014-

HARDENED AND GROUNDED TOOL BITS



HSS
CO 8%









Lathe

Art.	€	Sides dimension	Length	Tolerance
B014/20X04	€ 24,60	20 x 04 mm	200 mm	h13
B014/20X05	€ 26,40	20 x 05 mm	200 mm	h13
B014/20X06	€ 39,60	20 x 06 mm	200 mm	h13
B014/20X08	€ 50,20	20 x 08 mm	200 mm	h13
B014/20X10	€ 53,30	20 x 10 mm	200 mm	h13
B014/20X12	€ 53,30	20 x 12 mm	200 mm	h13
B014/25X06	€ 38,50	25 x 06 mm	200 mm	h13



TYPES OF MATERIAL USED IN THE CONSTRUCTION OF HELICAL TIPS

	Type	Description	Duration	Processable metals
HSS	 ST1Ax	HSS, High Speed Steel, is the most common of all metal tool steels. A tool made of HSS has high hardness and good strength.	**	Alloy and non-alloy steels, non-ferrous metals, grey and malleable cast iron, sintered iron
	 P023-			
	 ST2Ax			
HSS-TiN	 P058-	The titanium coating, carried out to a HSS tool forms a harder and stronger alloy. This leads to a drill capable of machining the same materials as HSS but with much reduced cutting edge wear.	****	Alloy and non-alloy steels, non-ferrous metals, malleable cast iron, sintered iron
HSS-Co5%	 P065-	Cobalt, added to a steel tool such as HSS - in this case 5% - gives strength and resistance and increases the hardness of the tool itself. Cobalt retains its properties at a higher temperature than titanium, which makes it possible to drill at a higher speed and under more critical conditions.	*****	Hard and treated steels, stainless steels, chrome-nickel, cast iron and bronze
HSS-Co8%	 P064-	Cobalt, added to a steel tool such as HSS - in this case 8% - gives strength and resistance and increases the hardness of the tool itself. Cobalt retains its properties at a higher temperature than titanium, which makes it possible to drill at a higher speed and under more critical conditions.	*****	Hard and treated steels, stainless steels, chrome-nickel, cast iron and bronze

DRILLING PARAMETERS BY MATERIAL TYPE HSS, HSS-CO5% AND HSS-CO8% DRILL TIPS

Materials to be processed	Tip type	Peripheral speed Vt (m/min)	Tip diameter				Coolant
			2	5	8	12	
			Feed (mm/revolution)				
Non-alloy structural steel R<600N/mm ²	HSS	20 - 25	0,05	0,12	0,20	0,25	Emulsion
	HSS-Tin	25 - 30					
Low alloy construction steel R< 700÷900N/mm ²	HSS	10 - 12	0,03	0,07	0,10	0,16	Emulsion
	HSS-Tin	15 - 18					
Alloy steel R< 1100÷1300N/mm ²	HSS	6 - 8	0,02	0,05	0,08	0,12	Emulsion
	HSS-Tin	8 - 10					
Stainless steel	Hss-Co5%	6 - 8	0,02	0,05	0,08	0,12	Emulsion
	Hss-Co8%	8 - 10					
Grey Cast Iron 200HB	HSS	15 - 20	0,02	0,12	0,20	0,25	No refriger.
	HSS-Tin	20 - 25					
Grey Cast Iron 350HB	HSS	5 - 10	0,03	0,07	0,10	0,16	No refriger.
	HSS-Tin	20 - 25					
Bronze	HSS	20 - 30	0,05	0,08	0,14	0,20	Emulsion or Oil
Brass	HSS	40 - 70	0,06	0,16	0,22	0,32	
Aluminium	HSS	40 - 80	0,05	0,14	0,18	0,22	Emulsion
Aluminium alloys	HSS	30 - 60	0,05	0,14	0,18	0,22	



THEORETICAL NUMBER OF RPM FOR THE USE OF HELICAL TIPS ACCORDING TO THE CHOSEN V_t

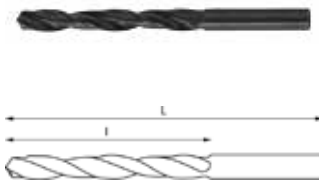
∅	Cutting speed V_c (mt/min)																	
	3	4	5	6	8	10	12	15	18	20	25	30	35	40	50	60	70	80
(mm)	Number of revolutions per minute (rpm)																	
2	478	637	796	955	1274	1592	1911	2389	2866	3185	3981	4777	5573	6369	7962	9554	11146	12739
3	318	425	531	637	849	1062	1274	1592	1911	2123	2654	3185	3715	4246	5308	6369	7431	8493
4	239	318	398	478	637	796	955	1194	1433	1592	1990	2389	2787	3185	3981	4777	5573	6369
5	191	255	318	382	510	637	764	955	1146	1274	1592	1911	2229	2548	3185	3822	4459	5096
6	159	212	265	318	425	531	637	796	955	1062	1327	1592	1858	2123	2654	3185	3715	4246
8	119	159	199	239	318	398	478	597	717	796	995	1194	1393	1592	1990	2389	2787	3185
10	96	127	159	191	255	318	382	478	573	637	796	955	1115	1274	1592	1911	2229	2548
12	80	106	133	159	212	265	318	398	478	531	663	796	929	1062	1327	1592	1858	2123



ST1AX

STRAIGHT SHANK TWIST DRILL

DIN 338/N, right hand, black finish



	HSS		
Box		118°	HV=700-740
-8xD	Rc650N/mm²	Steel	Aluminum
Non-ferr. alloys	Cast Iron	Emulsion	Lathe
Mill	Drill		

Art.	€	ø	L	l	Pack
ST1A01	€ 0,43	1,00 mm	34 mm	12 mm	10
ST1A01.25	€ 0,43	1,25 mm	38 mm	16 mm	10
ST1A01.50	€ 0,43	1,50 mm	40 mm	18 mm	10
ST1A01.75	€ 0,43	1,75 mm	46 mm	22 mm	10
ST1A02	€ 0,43	2,00 mm	49 mm	24 mm	10
ST1A02.25	€ 0,43	2,25 mm	53 mm	27 mm	10
ST1A02.50	€ 0,43	2,50 mm	57 mm	30 mm	10
ST1A02.75	€ 0,43	2,75 mm	61 mm	33 mm	10
ST1A03	€ 0,43	3,00 mm	61 mm	33 mm	10
ST1A03.25	€ 0,48	3,25 mm	65 mm	36 mm	10
ST1A03.50	€ 0,48	3,50 mm	70 mm	39 mm	10
ST1A03.75	€ 0,48	3,75 mm	70 mm	39 mm	10
ST1A04	€ 0,48	4,00 mm	75 mm	43 mm	10
ST1A04.25	€ 0,56	4,25 mm	75 mm	43 mm	10
ST1A04.50	€ 0,56	4,50 mm	80 mm	47 mm	10
ST1A04.75	€ 0,56	4,75 mm	80 mm	47 mm	10
ST1A05	€ 0,63	5,00 mm	86 mm	52 mm	10
ST1A05.25	€ 0,63	5,25 mm	86 mm	52 mm	10
ST1A05.50	€ 0,63	5,50 mm	93 mm	57 mm	10
ST1A05.75	€ 0,72	5,75 mm	93 mm	57 mm	10
ST1A06	€ 0,72	6,00 mm	93 mm	57 mm	10
ST1A06.25	€ 0,82	6,25 mm	101 mm	63 mm	10
ST1A06.50	€ 0,82	6,50 mm	101 mm	63 mm	10
ST1A06.75	€ 1,09	6,75 mm	109 mm	69 mm	10
ST1A07	€ 1,09	7,00 mm	109 mm	69 mm	10
ST1A07.25	€ 1,09	7,25 mm	109 mm	69 mm	10
ST1A07.50	€ 1,19	7,50 mm	109 mm	69 mm	10
ST1A07.75	€ 1,27	7,75 mm	117 mm	75 mm	10
ST1A08	€ 1,27	8,00 mm	117 mm	75 mm	10
ST1A08.25	€ 1,46	8,25 mm	117 mm	75 mm	5
ST1A08.50	€ 1,46	8,50 mm	117 mm	75 mm	5
ST1A08.75	€ 1,62	8,75 mm	125 mm	81 mm	5
ST1A09	€ 1,62	9,00 mm	125 mm	81 mm	5
ST1A09.25	€ 1,80	9,25 mm	125 mm	81 mm	5
ST1A09.50	€ 1,80	9,50 mm	125 mm	81 mm	5
ST1A09.75	€ 1,90	9,75 mm	133 mm	87 mm	5
ST1A10	€ 1,99	10,00 mm	133 mm	87 mm	5
ST1A10.25	€ 2,36	10,25 mm	133 mm	87 mm	5
ST1A10.50	€ 2,36	10,50 mm	133 mm	87 mm	5
ST1A10.75	€ 2,70	10,75 mm	142 mm	94 mm	5
ST1A11	€ 2,70	11,00 mm	142 mm	94 mm	5
ST1A11.25	€ 3,07	11,25 mm	142 mm	94 mm	5
ST1A11.50	€ 3,07	11,50 mm	142 mm	94 mm	5
ST1A11.75	€ 3,43	11,75 mm	142 mm	94 mm	5
ST1A12	€ 3,43	12,00 mm	151 mm	101 mm	5
ST1A12.25	€ 3,89	12,25 mm	151 mm	101 mm	5
ST1A12.50	€ 3,89	12,50 mm	151 mm	101 mm	5
ST1A12.75	€ 3,89	12,75 mm	151 mm	101 mm	5
ST1A13	€ 3,89	13,00 mm	151 mm	101 mm	5

P046

€ 31,30

TWIST DRILL SET

DIN 338/N, right hand, black finish.



Size (step 0,5 mm) 1 ÷ 13 mm

P045

€ 15,80

TWIST DRILL SET

DIN 338/N, right hand, black finish.



Size (step 0,5 mm) 1÷10 mm

ST1AXC

STRAIGHT SHANK TWIST DRILL

DIN 1897/N, rolled, right hand, short length, black finish

	HSS										
Box		118°	HV=700-740	-5xD	Rc650N/mm²	Steel	Aluminum	Non-ferr. alloys	Cast Iron	Emulsion	Lathe



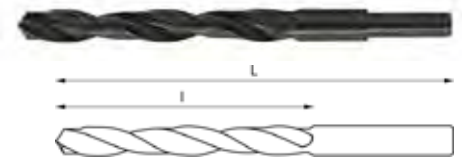
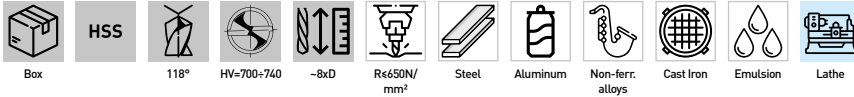
Art.	€	ø	L	l	Pack
ST1A02.00C	€ 0,31	2,00 mm	38 mm	12 mm	10
ST1A02.50C	€ 0,31	2,50 mm	43 mm	14 mm	10
ST1A03.00C	€ 0,31	3,00 mm	46 mm	16 mm	10
ST1A03.25C	€ 0,36	3,25 mm	49 mm	18 mm	10
ST1A03.50C	€ 0,36	3,50 mm	52 mm	20 mm	10
ST1A03.75C	€ 0,40	3,75 mm	52 mm	20 mm	10
ST1A04.00C	€ 0,40	4,00 mm	55 mm	22 mm	10
ST1A04.25C	€ 0,43	4,25 mm	55 mm	22 mm	10
ST1A04.50C	€ 0,43	4,50 mm	58 mm	24 mm	10
ST1A05.00C	€ 0,52	5,00 mm	62 mm	26 mm	10
ST1A05.50C	€ 0,71	5,50 mm	66 mm	28 mm	10
ST1A06.00C	€ 0,71	6,00 mm	66 mm	28 mm	10



ST1AXR10

STRAIGHT SHANK TWIST DRILL

DIN 338/N, 10 mm reduced shank rolled twist drill, right hand, black finish

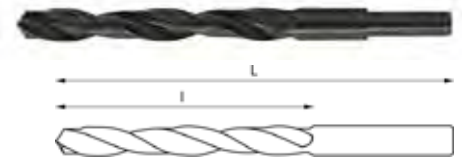
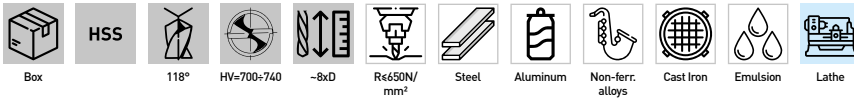


Art.	€	Ø	L	l	Pack
ST1A10.25R10	€ 2,53	10,25 mm	133 mm	87 mm	5
ST1A10.50R10	€ 2,53	10,5 mm	133 mm	87 mm	5
ST1A10.75R10	€ 2,86	10,75 mm	142 mm	94 mm	5
ST1A11.00R10	€ 2,86	11,00 mm	142 mm	94 mm	5
ST1A11.25R10	€ 3,28	11,25 mm	142 mm	94 mm	5
ST1A11.50R10	€ 3,28	11,5 mm	142 mm	94 mm	5
ST1A11.75R10	€ 3,70	11,75 mm	142 mm	94 mm	5
ST1A12.00R10	€ 3,70	12 mm	151 mm	101 mm	5
ST1A12.25R10	€ 4,12	12,25 mm	151 mm	101 mm	5
ST1A12.50R10	€ 4,12	12,50 mm	151 mm	101 mm	5
ST1A12.75R10	€ 4,12	12,75 mm	151 mm	101 mm	5
ST1A13.00R10	€ 4,12	13 mm	151 mm	101 mm	5
ST1A13.25R10	€ 5,20	13,25 mm	160 mm	108 mm	5
ST1A13.50R10	€ 5,20	13,5 mm	160 mm	108 mm	5
ST1A13.75R10	€ 5,20	13,75 mm	160 mm	108 mm	5
ST1A14.00R10	€ 5,20	14,00 mm	160 mm	108 mm	5
ST1A14.25R10	€ 5,70	14,25 mm	169 mm	114 mm	5
ST1A14.50R10	€ 5,70	14,5 mm	169 mm	114 mm	5
ST1A14.75R10	€ 5,70	14,75 mm	169 mm	114 mm	5
ST1A15.00R10	€ 5,70	15 mm	169 mm	114 mm	5
ST1A15.25R10	€ 7,00	15,25 mm	178 mm	120 mm	5
ST1A15.50R10	€ 7,00	15,50 mm	178 mm	120 mm	5
ST1A15.75R10	€ 7,00	15,75 mm	178 mm	120 mm	5
ST1A16.00R10	€ 7,00	16 mm	178 mm	120 mm	5

ST1AXR13

STRAIGHT SHANK TWIST DRILL

DIN 338/N, 13 mm reduced shank rolled twist drill, right hand, black finish

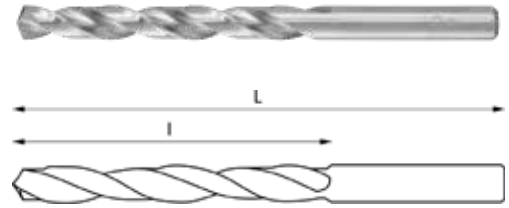
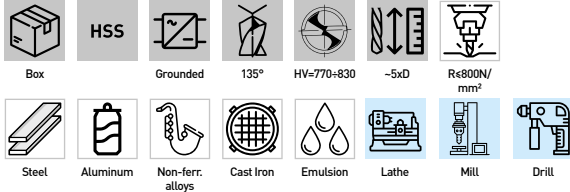


Art.	€	Ø	L	l	Pack
ST1A13.25R13	€ 5,20	13,25 mm	160 mm	108 mm	5
ST1A13.50R13	€ 5,20	13,50 mm	160 mm	108 mm	5
ST1A13.75R13	€ 5,20	13,75 mm	160 mm	108 mm	5
ST1A14.00R13	€ 5,20	14,00 mm	160 mm	108 mm	5
ST1A14.25R13	€ 5,70	14,25 mm	169 mm	114 mm	5
ST1A14.50R13	€ 5,70	14,50 mm	169 mm	114 mm	5
ST1A14.75R13	€ 5,70	14,75 mm	169 mm	114 mm	5
ST1A15.00R13	€ 5,70	15,00 mm	169 mm	114 mm	5
ST1A15.25R13	€ 7,00	15,25 mm	178 mm	120 mm	5
ST1A15.50R13	€ 7,00	15,50 mm	178 mm	120 mm	5
ST1A15.75R13	€ 7,00	15,75 mm	178 mm	120 mm	5
ST1A16.00R13	€ 7,00	16,00 mm	178 mm	120 mm	5

P023-

STRAIGHT SHANK TWIST DRILL

DIN 338/N, Right hand, rectified



Art.	€	ø	L	l	Pack	Art.	€	ø	L	l	Pack	Art.	€	ø	L	l	Pack
P023/00.30	€ 0,39	0.30 mm	19 mm	3 mm	10	P023/03.80	€ 0,85	3.80 mm	75 mm	43 mm	10	P023/07.80	€ 2,42	7.80 mm	117 mm	75 mm	10
P023/00.35	€ 0,39	0.35 mm	19 mm	4 mm	10	P023/03.90	€ 0,85	3.90 mm	75 mm	43 mm	10	P023/07.90	€ 2,42	7.90 mm	117 mm	75 mm	10
P023/00.40	€ 0,39	0.40 mm	20 mm	5 mm	10	P023/04.00	€ 0,99	4.00 mm	75 mm	43 mm	10	P023/08.00	€ 3,20	8.00 mm	117 mm	75 mm	5
P023/00.45	€ 0,39	0.45 mm	20 mm	5 mm	10	P023/04.10	€ 0,93	4.10 mm	75 mm	43 mm	10	P023/08.10	€ 2,75	8.10 mm	117 mm	75 mm	5
P023/00.50	€ 0,39	0.50 mm	22 mm	6 mm	10	P023/04.20	€ 0,93	4.20 mm	75 mm	43 mm	10	P023/08.20	€ 2,75	8.20 mm	117 mm	75 mm	5
P023/00.55	€ 0,39	0.55 mm	24 mm	7 mm	10	P023/04.25	€ 1,35	4.25 mm	75 mm	43 mm	10	P023/08.25	€ 4,09	8.25 mm	117 mm	75 mm	5
P023/00.60	€ 0,39	0.60 mm	24 mm	7 mm	10	P023/04.30	€ 0,99	4.30 mm	80 mm	47 mm	10	P023/08.30	€ 2,75	8.30 mm	117 mm	75 mm	5
P023/00.65	€ 0,39	0.65 mm	26 mm	8 mm	10	P023/04.40	€ 0,99	4.40 mm	80 mm	47 mm	10	P023/08.40	€ 2,75	8.40 mm	117 mm	75 mm	5
P023/00.70	€ 0,39	0.70 mm	28 mm	9 mm	10	P023/04.50	€ 1,17	4.50 mm	80 mm	47 mm	10	P023/08.50	€ 4,02	8.50 mm	117 mm	75 mm	5
P023/00.75	€ 0,39	0.75 mm	28 mm	9 mm	10	P023/04.60	€ 1,16	4.60 mm	80 mm	47 mm	10	P023/08.60	€ 3,19	8.60 mm	125 mm	81 mm	5
P023/00.80	€ 0,39	0.80 mm	30 mm	10 mm	10	P023/04.70	€ 1,16	4.70 mm	80 mm	47 mm	10	P023/08.70	€ 3,19	8.70 mm	125 mm	81 mm	5
P023/00.85	€ 0,39	0.85 mm	30 mm	10 mm	10	P023/04.75	€ 1,35	4.75 mm	80 mm	47 mm	10	P023/08.75	€ 4,37	8.75 mm	125 mm	81 mm	5
P023/00.90	€ 0,39	0.90 mm	32 mm	11 mm	10	P023/04.80	€ 1,16	4.80 mm	86 mm	52 mm	10	P023/08.80	€ 3,19	8.80 mm	125 mm	81 mm	5
P023/00.95	€ 0,39	0.95 mm	32 mm	11 mm	10	P023/04.90	€ 1,16	4.90 mm	86 mm	52 mm	10	P023/08.90	€ 3,19	8.90 mm	125 mm	81 mm	5
P023/01.00	€ 0,89	1.00 mm	34 mm	12 mm	10	P023/05.00	€ 1,25	5.00 mm	86 mm	52 mm	10	P023/09.00	€ 4,19	9.00 mm	125 mm	81 mm	5
P023/01.10	€ 0,47	1.10 mm	36 mm	14 mm	10	P023/05.10	€ 1,44	5.10 mm	86 mm	52 mm	10	P023/09.10	€ 3,53	9.10 mm	125 mm	81 mm	5
P023/01.20	€ 0,47	1.20 mm	38 mm	16 mm	10	P023/05.20	€ 1,44	5.20 mm	86 mm	52 mm	10	P023/09.20	€ 3,53	9.20 mm	125 mm	81 mm	5
P023/01.25	€ 0,89	1.25 mm	38 mm	16 mm	10	P023/05.25	€ 1,70	5.25 mm	86 mm	52 mm	10	P023/09.25	€ 4,91	9.25 mm	125 mm	81 mm	5
P023/01.30	€ 0,47	1.30 mm	38 mm	16 mm	10	P023/05.30	€ 1,44	5.30 mm	86 mm	52 mm	10	P023/09.30	€ 3,53	9.30 mm	125 mm	81 mm	5
P023/01.40	€ 0,47	1.40 mm	40 mm	18 mm	10	P023/05.40	€ 1,44	5.40 mm	93 mm	57 mm	10	P023/09.40	€ 3,53	9.40 mm	125 mm	81 mm	5
P023/01.50	€ 0,81	1.50 mm	40 mm	18 mm	10	P023/05.50	€ 1,60	5.50 mm	93 mm	57 mm	10	P023/09.50	€ 4,45	9.50 mm	125 mm	81 mm	5
P023/01.60	€ 0,52	1.60 mm	43 mm	20 mm	10	P023/05.60	€ 1,51	5.60 mm	93 mm	57 mm	10	P023/09.60	€ 3,95	9.60 mm	133 mm	87 mm	5
P023/01.70	€ 0,52	1.70 mm	43 mm	20 mm	10	P023/05.70	€ 1,51	5.70 mm	93 mm	57 mm	10	P023/09.70	€ 3,95	9.70 mm	133 mm	87 mm	5
P023/01.75	€ 0,71	1.75 mm	46 mm	22 mm	10	P023/05.75	€ 1,88	5.75 mm	93 mm	57 mm	10	P023/09.75	€ 5,30	9.75 mm	133 mm	87 mm	5
P023/01.80	€ 0,52	1.80 mm	46 mm	22 mm	10	P023/05.80	€ 1,51	5.80 mm	93 mm	57 mm	10	P023/09.80	€ 3,95	9.80 mm	133 mm	87 mm	5
P023/01.90	€ 0,52	1.90 mm	46 mm	22 mm	10	P023/05.90	€ 1,51	5.90 mm	93 mm	57 mm	10	P023/09.90	€ 3,95	9.90 mm	133 mm	87 mm	5
P023/02.00	€ 0,71	2.00 mm	49 mm	24 mm	10	P023/06.00	€ 1,70	6.00 mm	93 mm	57 mm	10	P023/10.00	€ 4,81	10.00 mm	133 mm	87 mm	5
P023/02.10	€ 0,57	2.10 mm	49 mm	24 mm	10	P023/06.10	€ 1,56	6.10 mm	101 mm	63 mm	10	P023/10.25	€ 6,70	10.25 mm	133 mm	87 mm	5
P023/02.20	€ 0,57	2.20 mm	53 mm	27 mm	10	P023/06.20	€ 1,56	6.20 mm	101 mm	63 mm	10	P023/10.30	€ 4,94	10.30 mm	133 mm	87 mm	5
P023/02.25	€ 0,81	2.25 mm	53 mm	27 mm	10	P023/06.25	€ 2,41	6.25 mm	101 mm	63 mm	10	P023/10.40	€ 4,94	10.40 mm	133 mm	87 mm	5
P023/02.30	€ 0,57	2.30 mm	53 mm	27 mm	10	P023/06.30	€ 1,56	6.30 mm	101 mm	63 mm	10	P023/10.50	€ 5,90	10.50 mm	133 mm	87 mm	5
P023/02.40	€ 0,57	2.40 mm	57 mm	30 mm	10	P023/06.40	€ 1,56	6.40 mm	101 mm	63 mm	10	P023/10.75	€ 8,10	10.75 mm	142 mm	94 mm	5
P023/02.50	€ 0,71	2.50 mm	57 mm	30 mm	10	P023/06.50	€ 2,14	6.50 mm	101 mm	63 mm	10	P023/11.00	€ 7,00	11.00 mm	142 mm	94 mm	5
P023/02.60	€ 0,68	2.60 mm	57 mm	30 mm	10	P023/06.60	€ 1,89	6.60 mm	101 mm	63 mm	10	P023/11.25	€ 8,50	11.25 mm	142 mm	94 mm	5
P023/02.70	€ 0,68	2.70 mm	61 mm	33 mm	10	P023/06.70	€ 1,89	6.70 mm	101 mm	63 mm	10	P023/11.40	€ 6,20	11.40 mm	142 mm	94 mm	5
P023/02.75	€ 0,89	2.75 mm	61 mm	33 mm	10	P023/06.75	€ 2,77	6.75 mm	109 mm	69 mm	10	P023/11.50	€ 7,40	11.50 mm	142 mm	94 mm	5
P023/02.80	€ 0,68	2.80 mm	61 mm	33 mm	10	P023/06.80	€ 1,89	6.80 mm	109 mm	69 mm	10	P023/11.75	€ 9,30	11.75 mm	142 mm	94 mm	5
P023/02.90	€ 0,68	2.90 mm	61 mm	33 mm	10	P023/06.90	€ 1,89	6.90 mm	109 mm	69 mm	10	P023/12.00	€ 8,10	12.00 mm	151 mm	101 mm	5
P023/03.00	€ 0,81	3.00 mm	61 mm	33 mm	10	P023/07.00	€ 2,59	7.00 mm	109 mm	69 mm	10	P023/12.25	€ 10,10	12.25 mm	151 mm	101 mm	5
P023/03.10	€ 0,81	3.10 mm	65 mm	36 mm	10	P023/07.10	€ 2,16	7.10 mm	109 mm	69 mm	10	P023/12.30	€ 7,60	12.30 mm	151 mm	101 mm	5
P023/03.20	€ 0,81	3.20 mm	65 mm	36 mm	10	P023/07.20	€ 2,16	7.20 mm	109 mm	69 mm	10	P023/12.40	€ 7,60	12.40 mm	151 mm	101 mm	5
P023/03.25	€ 0,99	3.25 mm	65 mm	36 mm	10	P023/07.25	€ 3,03	7.25 mm	109 mm	69 mm	10	P023/12.50	€ 8,80	12.50 mm	151 mm	101 mm	5
P023/03.30	€ 0,89	3.30 mm	65 mm	36 mm	10	P023/07.30	€ 2,16	7.30 mm	109 mm	69 mm	10	P023/12.75	€ 11,40	12.75 mm	151 mm	101 mm	5
P023/03.40	€ 0,89	3.40 mm	70 mm	39 mm	10	P023/07.40	€ 2,16	7.40 mm	109 mm	69 mm	10	P023/13.00	€ 9,50	13.00 mm	151 mm	101 mm	5
P023/03.50	€ 0,89	3.50 mm	70 mm	39 mm	10	P023/07.50	€ 2,67	7.50 mm	109 mm	69 mm	10	P023/14.30	€ 15,30	14.30 mm	165 mm	115 mm	5
P023/03.60	€ 0,85	3.60 mm	70 mm	39 mm	10	P023/07.60	€ 2,42	7.60 mm	117 mm	75 mm	10	P023/14.40	€ 15,30	14.40 mm	165 mm	115 mm	5
P023/03.70	€ 0,85	3.70 mm	70 mm	39 mm	10	P023/07.70	€ 2,42	7.70 mm	117 mm	75 mm	10	P023/16.40	€ 19,80	16.40 mm	170 mm	115 mm	5
P023/03.75	€ 1,07	3.75 mm	70 mm	39 mm	10	P023/07.75	€ 3,38	7.75 mm	117 mm	75 mm	10						

P023/19

€ 36,20

STRAIGHT SHANK TWIST DRILL SET

DIN 338/N, Right hand, rectified



19 Pcs

Size (step 0,5 mm) 1 ÷ 10 mm



P023/25

€ 73,40

STRAIGHT SHANK TWIST DRILL SET

DIN 338/N, Right hand, rectified



25 Pcs

Size (step 0,5 mm) 1 ÷ 13 mm

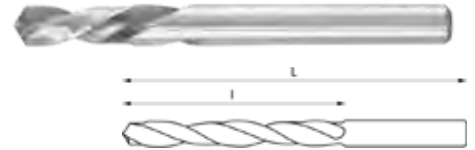




P023-XC

DRILL BIT CYLINDRICAL SHORT SERIES

DIN 1897/N, Right hand, rectified



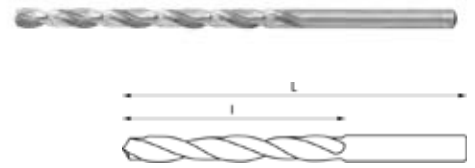
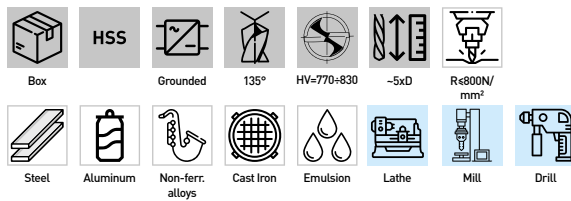
Art.	€	ø	L	l	Pack
P023/03.00C	€ 0,89	3,00 mm	46 mm	16 mm	10
P023/03.25C	€ 0,99	3,25 mm	49 mm	18 mm	10
P023/03.50C	€ 0,99	3,50 mm	52 mm	20 mm	10
P023/03.75C	€ 1,07	3,75 mm	52 mm	20 mm	10
P023/04.00C	€ 1,07	4,00 mm	55 mm	22 mm	10

Art.	€	ø	L	l	Pack
P023/04.25C	€ 1,42	4,25 mm	55 mm	22 mm	10
P023/04.50C	€ 1,25	4,50 mm	58 mm	24 mm	10
P023/05.00C	€ 1,35	5,00 mm	62 mm	26 mm	10
P023/05.50C	€ 1,78	5,50 mm	66 mm	28 mm	10
P023/06.00C	€ 1,88	6,00 mm	66 mm	28 mm	10

P023-XL

LONG TYPE STRAIGHT SHANK TWIST DRILL

DIN 340, Right hand, rectified



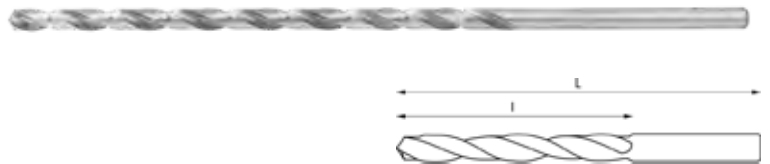
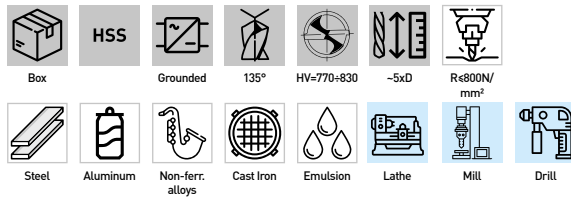
Art.	€	ø	L	l	Pack
P023/01.00L	€ 0,99	1,00 mm	56 mm	33 mm	10
P023/01.25L	€ 0,99	1,25 mm	65 mm	40 mm	10
P023/01.50L	€ 0,99	1,50 mm	70 mm	45 mm	10
P023/01.75L	€ 0,99	1,75 mm	80 mm	53 mm	10
P023/02.00L	€ 0,89	2,00 mm	85 mm	56 mm	10
P023/02.25L	€ 0,99	2,25 mm	90 mm	59 mm	10
P023/02.50L	€ 0,89	2,50 mm	95 mm	62 mm	10
P023/02.75L	€ 1,07	2,75 mm	100 mm	66 mm	10
P023/03.00L	€ 0,99	3,00 mm	100 mm	66 mm	10
P023/03.25L	€ 1,07	3,25 mm	106 mm	69 mm	10
P023/03.50L	€ 1,07	3,50 mm	112 mm	73 mm	10
P023/03.75L	€ 1,25	3,75 mm	112 mm	73 mm	10
P023/04.00L	€ 1,17	4,00 mm	119 mm	78 mm	10
P023/04.25L	€ 1,35	4,25 mm	119 mm	78 mm	10
P023/04.50L	€ 1,35	4,50 mm	126 mm	82 mm	10
P023/04.75L	€ 1,60	4,75 mm	126 mm	82 mm	10
P023/05.00L	€ 1,60	5,00 mm	132 mm	87 mm	10
P023/05.25L	€ 1,96	5,25 mm	132 mm	87 mm	10
P023/05.50L	€ 1,96	5,50 mm	139 mm	91 mm	10
P023/05.75L	€ 2,14	5,75 mm	139 mm	91 mm	10
P023/06.00L	€ 2,14	6,00 mm	139 mm	91 mm	10
P023/06.25L	€ 2,67	6,25 mm	148 mm	97 mm	10

Art.	€	ø	L	l	Pack
P023/06.50L	€ 2,67	6,50 mm	148 mm	97 mm	10
P023/06.75L	€ 2,77	6,75 mm	148 mm	97 mm	10
P023/07.00L	€ 2,77	7,00 mm	156 mm	102 mm	10
P023/07.25L	€ 3,20	7,25 mm	156 mm	102 mm	10
P023/07.50L	€ 3,20	7,50 mm	156 mm	102 mm	10
P023/07.75L	€ 3,84	7,75 mm	165 mm	109 mm	10
P023/08.00L	€ 3,66	8,00 mm	165 mm	109 mm	5
P023/08.25L	€ 5,20	8,25 mm	165 mm	109 mm	5
P023/08.50L	€ 5,20	8,50 mm	165 mm	109 mm	5
P023/08.75L	€ 5,30	8,75 mm	175 mm	115 mm	5
P023/09.00L	€ 5,30	9,00 mm	175 mm	115 mm	5
P023/09.25L	€ 6,10	9,25 mm	175 mm	115 mm	5
P023/09.50L	€ 6,10	9,50 mm	175 mm	115 mm	5
P023/09.75L	€ 6,10	9,75 mm	184 mm	121 mm	5
P023/10.00L	€ 6,10	10,00 mm	184 mm	121 mm	5
P023/10.25L	€ 8,40	10,25 mm	184 mm	121 mm	5
P023/10.50L	€ 8,40	10,50 mm	184 mm	121 mm	5
P023/11.00L	€ 9,90	11,00 mm	195 mm	128 mm	5
P023/11.50L	€ 10,70	11,50 mm	195 mm	128 mm	5
P023/12.00L	€ 12,50	12,00 mm	205 mm	134 mm	5
P023/12.50L	€ 13,80	12,50 mm	205 mm	134 mm	5
P023/13.00L	€ 14,50	13,00 mm	205 mm	134 mm	5

P023-XL1

EXTRA LONG SERIES CYLINDRICAL DRILL BIT

DIN 1869-1 Right hand, rectified

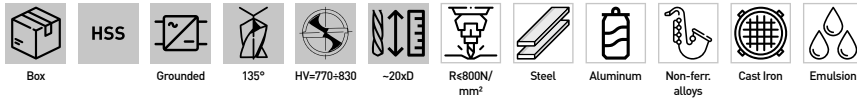


Art.	€	ø	L	l
P023/02.00L1	€ 1,60	02,00 mm	125 mm	85 mm
P023/02.50L1	€ 1,78	02,50 mm	140 mm	95 mm
P023/03.00L1	€ 2,24	03,00 mm	150 mm	100 mm
P023/03.50L1	€ 2,67	03,50 mm	165 mm	115 mm
P023/04.00L1	€ 3,56	04,00 mm	175 mm	120 mm
P023/04.50L1	€ 4,45	04,50 mm	185 mm	125 mm
P023/05.00L1	€ 5,30	05,00 mm	195 mm	135 mm
P023/05.50L1	€ 6,30	05,50 mm	205 mm	140 mm
P023/06.00L1	€ 8,10	06,00 mm	205 mm	140 mm
P023/06.50L1	€ 8,90	06,50 mm	215 mm	150 mm
P023/07.00L1	€ 10,70	07,00 mm	225 mm	155 mm
P023/07.50L1	€ 11,60	07,50 mm	225 mm	155 mm

Art.	€	ø	L	l
P023/08.00L1	€ 14,30	08,00 mm	240 mm	165 mm
P023/08.50L1	€ 16,00	08,50 mm	240 mm	165 mm
P023/09.00L1	€ 17,80	09,00 mm	250 mm	175 mm
P023/09.50L1	€ 19,60	09,50 mm	250 mm	175 mm
P023/10.00L1	€ 22,30	10,00 mm	265 mm	185 mm
P023/10.50L1	€ 24,10	10,50 mm	265 mm	185 mm
P023/11.00L1	€ 26,70	11,00 mm	280 mm	195 mm
P023/11.50L1	€ 29,50	11,50 mm	280 mm	195 mm
P023/12.00L1	€ 31,20	12,00 mm	295 mm	205 mm
P023/12.50L1	€ 33,00	12,50 mm	295 mm	205 mm
P023/13.00L1	€ 34,80	13,00 mm	295 mm	205 mm

P023-XL2
EXTRA LONG SERIES CYLINDRICAL DRILL BIT

DIN 1869-2 Right hand, rectified



Art.	€	ø	L	l
P023/02.00L2	€ 2,24	02,00 mm	160 mm	110 mm
P023/02.50L2	€ 2,67	02,50 mm	180 mm	120 mm
P023/03.00L2	€ 3,20	03,00 mm	190 mm	130 mm
P023/03.50L2	€ 3,56	03,50 mm	210 mm	145 mm
P023/04.00L2	€ 5,30	04,00 mm	220 mm	150 mm
P023/04.50L2	€ 6,30	04,50 mm	235 mm	160 mm
P023/05.00L2	€ 8,10	05,00 mm	245 mm	170 mm
P023/05.50L2	€ 8,90	05,50 mm	260 mm	180 mm
P023/06.00L2	€ 10,70	06,00 mm	260 mm	180 mm
P023/06.50L2	€ 12,50	06,50 mm	275 mm	190 mm
P023/07.00L2	€ 15,20	07,00 mm	290 mm	200 mm
P023/07.50L2	€ 16,00	07,50 mm	290 mm	200 mm
P023/08.00L2	€ 19,60	08,00 mm	305 mm	210 mm
P023/08.50L2	€ 21,40	08,50 mm	305 mm	210 mm
P023/09.00L2	€ 24,10	09,00 mm	320 mm	220 mm
P023/09.50L2	€ 24,90	09,50 mm	320 mm	220 mm
P023/10.00L2	€ 30,30	10,00 mm	340 mm	235 mm
P023/10.50L2	€ 32,10	10,50 mm	340 mm	235 mm
P023/11.00L2	€ 37,40	11,00 mm	365 mm	250 mm
P023/11.50L2	€ 40,10	11,50 mm	365 mm	250 mm
P023/12.00L2	€ 41,90	12,00 mm	375 mm	260 mm
P023/12.50L2	€ 44,50	12,50 mm	375 mm	260 mm
P023/13.00L2	€ 49,00	13,00 mm	375 mm	260 mm

P023-XL3
EXTRA LONG SERIES CYLINDRICAL DRILL BIT

DIN 1869-3 right hand, rectified



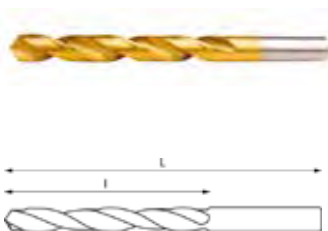
Art.	€	ø	L	l
P023/02.00L3	€ 2,67	02,00 mm	200 mm	135 mm
P023/02.50L3	€ 3,13	02,50 mm	225 mm	150 mm
P023/03.00L3	€ 3,56	03,00 mm	240 mm	160 mm
P023/03.50L3	€ 5,30	03,50 mm	265 mm	180 mm
P023/04.00L3	€ 6,30	04,00 mm	280 mm	190 mm
P023/04.50L3	€ 8,10	04,50 mm	295 mm	200 mm
P023/05.00L3	€ 9,90	05,00 mm	315 mm	210 mm
P023/05.50L3	€ 11,60	05,50 mm	330 mm	225 mm
P023/06.00L3	€ 13,40	06,00 mm	330 mm	225 mm
P023/06.50L3	€ 16,00	06,50 mm	350 mm	235 mm
P023/07.00L3	€ 19,60	07,00 mm	370 mm	250 mm
P023/07.50L3	€ 21,40	07,50 mm	370 mm	250 mm
P023/08.00L3	€ 24,90	08,00 mm	390 mm	265 mm
P023/08.50L3	€ 27,70	08,50 mm	390 mm	265 mm
P023/09.00L3	€ 32,10	09,00 mm	410 mm	280 mm
P023/09.50L3	€ 33,00	09,50 mm	410 mm	280 mm
P023/10.00L3	€ 38,40	10,00 mm	430 mm	295 mm
P023/10.50L3	€ 41,00	10,50 mm	430 mm	295 mm
P023/11.00L3	€ 44,50	11,00 mm	455 mm	310 mm
P023/11.50L3	€ 47,30	11,50 mm	455 mm	310 mm
P023/12.00L3	€ 53,40	12,00 mm	480 mm	330 mm
P023/12.50L3	€ 57,90	12,50 mm	480 mm	330 mm
P023/13.00L3	€ 61,50	13,00 mm	480 mm	330 mm



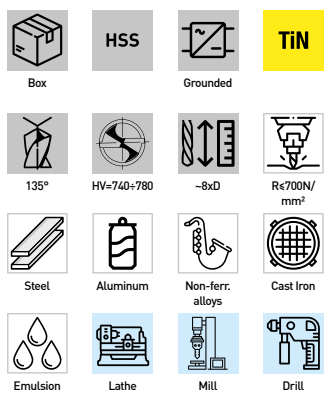
P058-

STRAIGHT SHANK TWIST DRILL

DIN 338/N, Right hand, Long durability thanks to the titanium coating



Art.	€	ø	L	l	Pack
P058/01.00	€ 0,72	1 mm	34 mm	12 mm	10
P058/01.25	€ 0,72	1,25 mm	38 mm	16 mm	10
P058/01.50	€ 0,72	1,50 mm	40 mm	18 mm	10
P058/01.75	€ 0,72	1,75 mm	46 mm	22 mm	10
P058/02.00	€ 0,82	2 mm	49 mm	24 mm	10
P058/02.25	€ 0,90	2,25 mm	53 mm	27 mm	10
P058/02.50	€ 0,90	2,50 mm	57 mm	30 mm	10
P058/02.75	€ 0,90	2,75 mm	61 mm	33 mm	10
P058/03.00	€ 0,90	3 mm	61 mm	33 mm	10
P058/03.25	€ 1,09	3,25 mm	65 mm	36 mm	10
P058/03.50	€ 1,09	3,50 mm	70 mm	39 mm	10
P058/03.75	€ 1,09	3,75 mm	70 mm	39 mm	10
P058/04.00	€ 1,09	4 mm	75 mm	43 mm	10
P058/04.25	€ 1,46	4,25 mm	75 mm	43 mm	10
P058/04.50	€ 1,46	4,50 mm	80 mm	47 mm	10
P058/04.75	€ 1,46	4,75 mm	80 mm	47 mm	10
P058/05.00	€ 1,46	5 mm	86 mm	52 mm	10
P058/05.25	€ 1,80	5,25 mm	86 mm	52 mm	10
P058/05.50	€ 1,80	5,50 mm	93 mm	57 mm	10
P058/05.75	€ 1,80	5,75 mm	93 mm	57 mm	10
P058/06.00	€ 1,80	6 mm	93 mm	57 mm	10
P058/06.25	€ 1,99	6,25 mm	101 mm	63 mm	10
P058/06.50	€ 1,99	6,50 mm	101 mm	63 mm	10
P058/06.75	€ 1,99	6,75 mm	109 mm	69 mm	10
P058/07.00	€ 1,99	7 mm	109 mm	69 mm	10
P058/07.25	€ 3,07	7,25 mm	109 mm	69 mm	10
P058/07.50	€ 3,07	7,50 mm	109 mm	69 mm	10
P058/07.75	€ 3,07	7,75 mm	117 mm	75 mm	10
P058/08.00	€ 3,07	8 mm	117 mm	75 mm	10
P058/08.25	€ 4,19	8,25 mm	117 mm	75 mm	5
P058/08.50	€ 4,19	8,50 mm	117 mm	75 mm	5
P058/08.75	€ 4,19	8,75 mm	125 mm	81 mm	5
P058/09.00	€ 4,19	9 mm	125 mm	81 mm	5
P058/09.25	€ 4,83	9,25 mm	125 mm	81 mm	5
P058/09.50	€ 4,83	9,50 mm	125 mm	81 mm	5
P058/09.75	€ 4,83	9,75 mm	133 mm	87 mm	5
P058/10.00	€ 4,83	10 mm	133 mm	87 mm	5
P058/10.25	€ 5,50	10,25 mm	133 mm	87 mm	5
P058/10.50	€ 5,50	10,50 mm	133 mm	87 mm	5
P058/10.75	€ 5,50	10,75 mm	142 mm	94 mm	5
P058/11.00	€ 5,50	11 mm	142 mm	94 mm	5
P058/11.25	€ 6,40	11,25 mm	142 mm	94 mm	5
P058/11.50	€ 6,40	11,50 mm	142 mm	94 mm	5
P058/11.75	€ 6,40	11,75 mm	142 mm	94 mm	5
P058/12.00	€ 6,40	12 mm	151 mm	101 mm	5
P058/12.25	€ 8,00	12,25 mm	151 mm	101 mm	5
P058/12.50	€ 8,00	12,50 mm	151 mm	101 mm	5
P058/12.75	€ 8,00	12,75 mm	151 mm	101 mm	5
P058/13.00	€ 8,00	13 mm	151 mm	101 mm	5



P058/170

€ 177,00

TWIST DRILL SET

DIN 338/N, right hand, long durability thanks to the titanium coating.



150 (10x) Pcs (step 0,5 mm) Ø 1 ÷ 8 mm
20 (5x) Pcs (step 0,5 mm) Ø 8,5 ÷ 10 mm

P010/51

€ 61,00

SERIES OF CYLINDRICAL TIPS TO THE TENTH

DIN 338/N, right hand, long durability thanks to the titanium coating.



Size (step 0,1 mm) 1 ÷ 6 mm

P010/41

€ 142,00

SERIES OF CYLINDRICAL TIPS TO THE TENTH

DIN 338/N, right hand, long durability thanks to the titanium coating.



Size (step 0,1 mm) 6 ÷ 10 mm

P062

€ 67,20

TWIST DRILL SET

DIN 338/N, Right hand, Long durability thanks to the titanium coating



Size (step 0,5 mm) 1 ÷ 13 mm

P061

€ 37,60

STRAIGHT SHANK TWIST DRILL SET

DIN 338/N, right hand, long durability thanks to the titanium coating.



Size (step 0,5 mm) 1 ÷ 10 mm

P068

€ 7,50

TWIST DRILL SET

DIN 338/N, Right hand, Long durability thanks to the titanium coating

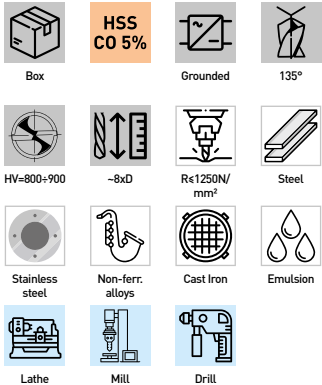
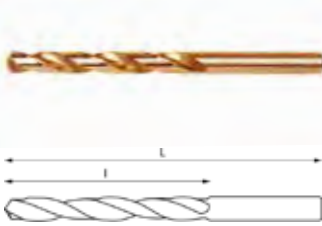


Sizes x 1 Pc 0.25 - 0.30 - 0.35 - 0.40 - 0.45 - 0.55 - 0.65 - 0.70 - 0.75 - 0.85 - 0.90 - 0.95 mm
Sizes x Pcs 0.50 - 0.60 - 0.80 - 1.00 mm

P065-

COBALT CYLINDRICAL TWIST DRILL

DIN 338/N, self-centering, right, with great thermal resistance



Art.	€	Ø	Total length	Flute length	Pack
P065/01.00	€ 1,02	1 mm	34 mm	12 mm	10
P065/01.25	€ 1,23	1,25 mm	38 mm	16 mm	10
P065/01.50	€ 1,23	1,50 mm	40 mm	18 mm	10
P065/01.75	€ 1,23	1,75 mm	46 mm	22 mm	10
P065/02.00	€ 1,23	2 mm	49 mm	24 mm	10
P065/02.25	€ 1,42	2,25 mm	53 mm	27 mm	10
P065/02.50	€ 1,42	2,50 mm	57 mm	30 mm	10
P065/02.75	€ 1,42	2,75 mm	61 mm	33 mm	10
P065/03.00	€ 1,42	3 mm	61 mm	33 mm	10
P065/03.25	€ 1,95	3,25 mm	69 mm	39 mm	10
P065/03.50	€ 1,95	3,50 mm	70 mm	39 mm	10
P065/03.75	€ 1,95	3,75 mm	70 mm	39 mm	10
P065/04.00	€ 1,95	4 mm	75 mm	43 mm	10
P065/04.25	€ 2,75	4,25 mm	75 mm	43 mm	10
P065/04.50	€ 2,75	4,50 mm	80 mm	47 mm	10
P065/04.75	€ 2,75	4,75 mm	80 mm	47 mm	10
P065/05.00	€ 2,75	5 mm	86 mm	52 mm	10
P065/05.25	€ 3,46	5,25 mm	86 mm	52 mm	10
P065/05.50	€ 3,46	5,50 mm	93 mm	57 mm	10
P065/05.75	€ 3,46	5,75 mm	93 mm	57 mm	10
P065/06.00	€ 3,46	6 mm	93 mm	57 mm	10
P065/06.25	€ 4,27	6,25 mm	101 mm	63 mm	10
P065/06.50	€ 4,27	6,50 mm	101 mm	63 mm	10
P065/06.75	€ 4,27	6,75 mm	109 mm	69 mm	10
P065/07.00	€ 4,27	7 mm	109 mm	69 mm	10
P065/07.25	€ 7,40	7,25 mm	109 mm	69 mm	10
P065/07.50	€ 7,40	7,50 mm	109 mm	69 mm	10
P065/07.75	€ 7,40	7,75 mm	117 mm	75 mm	10
P065/08.00	€ 7,40	8 mm	117 mm	75 mm	5
P065/08.25	€ 9,10	8,25 mm	117 mm	75 mm	5
P065/08.50	€ 9,10	8,50 mm	117 mm	75 mm	5
P065/08.75	€ 9,10	8,75 mm	125 mm	81 mm	5
P065/09.00	€ 9,10	9 mm	125 mm	81 mm	5
P065/09.25	€ 11,50	9,25 mm	125 mm	81 mm	5
P065/09.50	€ 11,50	9,50 mm	125 mm	81 mm	5
P065/09.75	€ 11,50	9,75 mm	133 mm	87 mm	5
P065/10.00	€ 11,50	10 mm	133 mm	87 mm	5
P065/10.25	€ 13,80	10,25 mm	133 mm	87 mm	5
P065/10.50	€ 13,80	10,50 mm	133 mm	87 mm	5
P065/10.75	€ 13,80	10,75 mm	142 mm	94 mm	5
P065/11.00	€ 13,80	11 mm	142 mm	94 mm	5
P065/11.25	€ 16,50	11,25 mm	142 mm	94 mm	5
P065/11.50	€ 16,50	11,50 mm	142 mm	94 mm	5
P065/11.75	€ 16,50	11,75 mm	142 mm	94 mm	5
P065/12.00	€ 16,50	12 mm	151 mm	101 mm	5
P065/12.25	€ 20,00	12,25 mm	151 mm	101 mm	5
P065/12.50	€ 20,00	12,50 mm	151 mm	101 mm	5
P065/12.75	€ 20,00	12,75 mm	151 mm	101 mm	5
P065/13.00	€ 20,00	13 mm	151 mm	101 mm	5

P067

€ 67,20

COBALT TWIST DRILL SET

DIN 338/N, self-centering, right, with great thermal resistance



Size (step 0,5 mm)

1 ÷ 10 mm

P069

€ 132,00

COBALT TWIST DRILL SET

DIN 338/N, self-centering, right, with great thermal resistance



Size (step 0,5 mm)

1 ÷ 13 mm

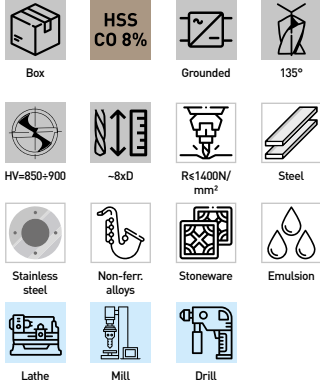
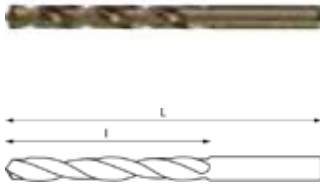




P064-

FULLY GROUND FROM THE SOLID TWIST DRILL

DIN 338/N, self-centering, right, with great thermal resistance



Art.	€	ø	L	l	Pack
P064/01.00	€ 1,42	01.00 mm	34 mm	12 mm	10
P064/01.25	€ 1,42	01.25 mm	38 mm	16 mm	10
P064/01.50	€ 1,42	01.50 mm	40 mm	18 mm	10
P064/01.75	€ 1,42	01.75 mm	46 mm	22 mm	10
P064/02.00	€ 1,42	02.00 mm	49 mm	24 mm	10
P064/02.25	€ 1,65	02.25 mm	53 mm	27 mm	10
P064/02.50	€ 1,65	02.50 mm	57 mm	30 mm	10
P064/02.75	€ 1,65	02.75 mm	61 mm	33 mm	10
P064/03.00	€ 1,65	03.00 mm	61 mm	33 mm	10
P064/03.25	€ 2,26	03.25 mm	69 mm	39 mm	10
P064/03.50	€ 2,26	03.50 mm	70 mm	39 mm	10
P064/03.75	€ 2,26	03.75 mm	70 mm	39 mm	10
P064/04.00	€ 2,26	04.00 mm	75 mm	43 mm	10
P064/04.25	€ 3,18	04.25 mm	75 mm	43 mm	10
P064/04.50	€ 3,18	04.50 mm	80 mm	47 mm	10
P064/04.75	€ 3,18	04.75 mm	80 mm	47 mm	10
P064/05.00	€ 3,18	05.00 mm	86 mm	52 mm	10
P064/05.25	€ 4,02	05.25 mm	86 mm	52 mm	10
P064/05.50	€ 4,02	05.50 mm	93 mm	57 mm	10
P064/05.75	€ 4,02	05.75 mm	93 mm	57 mm	10
P064/06.00	€ 4,02	06.00 mm	93 mm	57 mm	10
P064/06.25	€ 4,89	06.25 mm	101 mm	63 mm	10
P064/06.50	€ 4,89	06.50 mm	101 mm	63 mm	10
P064/06.75	€ 4,89	06.75 mm	109 mm	69 mm	10
P064/07.00	€ 4,89	07.00 mm	109 mm	69 mm	10
P064/07.25	€ 8,50	07.25 mm	109 mm	69 mm	10
P064/07.50	€ 8,50	07.50 mm	109 mm	69 mm	10
P064/07.75	€ 8,50	07.75 mm	117 mm	75 mm	10
P064/08.00	€ 8,50	08.00 mm	117 mm	75 mm	5
P064/08.25	€ 10,60	08.25 mm	117 mm	75 mm	5
P064/08.50	€ 10,60	08.50 mm	117 mm	75 mm	5
P064/08.75	€ 10,60	08.75 mm	125 mm	81 mm	5
P064/09.00	€ 10,60	09.00 mm	125 mm	81 mm	5
P064/09.25	€ 13,30	09.25 mm	125 mm	81 mm	5
P064/09.50	€ 13,30	09.50 mm	125 mm	81 mm	5
P064/09.75	€ 13,30	09.75 mm	133 mm	87 mm	5
P064/10.00	€ 13,30	10.00 mm	133 mm	87 mm	5
P064/10.25	€ 16,00	10.25 mm	133 mm	87 mm	5
P064/10.50	€ 16,00	10.50 mm	133 mm	87 mm	5
P064/10.75	€ 16,00	10.75 mm	142 mm	94 mm	5
P064/11.00	€ 16,00	11.00 mm	142 mm	94 mm	5
P064/11.25	€ 19,10	11.25 mm	142 mm	94 mm	5
P064/11.50	€ 19,10	11.50 mm	142 mm	94 mm	5
P064/11.75	€ 19,10	11.75 mm	142 mm	94 mm	5
P064/12.00	€ 19,10	12.00 mm	151 mm	101 mm	5
P064/12.25	€ 23,20	12.25 mm	151 mm	101 mm	5
P064/12.50	€ 23,20	12.50 mm	151 mm	101 mm	5
P064/12.75	€ 23,20	12.75 mm	151 mm	101 mm	5
P064/13.00	€ 23,20	13.00 mm	151 mm	101 mm	5

P064/19A

€ 81,30

COBALT TWIST DRILL SET

DIN 338/N, self-centering, right, with great thermal resistance.



Size (step 0,5 mm)

1 + 10 mm

P064/25A

€ 173,00

COBALT TWIST DRILL SET

DIN 338/N, self-centering, right, with great thermal resistance



Size (step 0,5 mm)

1 + 13 mm





ST2AX

TWIST DRILL WITH CONICAL SHANK

DIN 345/N, right hand



Box



HSS



118°



HV=700-740



-8xD



Re650N/mm²



Steel



Aluminum



Non-ferr. alloys



Cast Iron



Emulsion



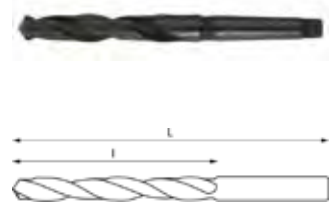
Lathe



Mill



Drill press



Art.	€	Ø	MT	L	l
ST2A05.75	€ 8,40	5,75 mm	1	138 mm	57 mm
ST2A06	€ 8,40	6,00 mm	1	138 mm	57 mm
ST2A06.25	€ 8,40	6,25 mm	1	144 mm	63 mm
ST2A06.50	€ 8,40	6,50 mm	1	144 mm	63 mm
ST2A06.75	€ 8,40	6,75 mm	1	150 mm	69 mm
ST2A07	€ 8,40	7,00 mm	1	150 mm	69 mm
ST2A07.25	€ 8,40	7,25 mm	1	150 mm	69 mm
ST2A07.50	€ 8,40	7,50 mm	1	150 mm	69 mm
ST2A07.75	€ 8,40	7,75 mm	1	156 mm	75 mm
ST2A08	€ 8,40	8,00 mm	1	156 mm	75 mm
ST2A08.25	€ 8,40	8,25 mm	1	156 mm	75 mm
ST2A08.50	€ 8,40	8,50 mm	1	156 mm	75 mm
ST2A08.75	€ 8,40	8,75 mm	1	156 mm	75 mm
ST2A09	€ 8,40	9,00 mm	1	162 mm	81 mm
ST2A09.25	€ 8,40	9,25 mm	1	162 mm	81 mm
ST2A09.50	€ 8,40	9,50 mm	1	162 mm	81 mm
ST2A09.75	€ 8,40	9,75 mm	1	162 mm	81 mm
ST2A10	€ 8,40	10,00 mm	1	168 mm	81 mm
ST2A10.25	€ 9,70	10,25 mm	1	168 mm	87 mm
ST2A10.50	€ 9,70	10,50 mm	1	168 mm	87 mm
ST2A10.75	€ 9,70	10,75 mm	1	175 mm	87 mm
ST2A11	€ 9,70	11,00 mm	1	175 mm	94 mm
ST2A11.25	€ 9,70	11,25 mm	1	175 mm	94 mm
ST2A11.50	€ 9,70	11,50 mm	1	175 mm	94 mm
ST2A11.75	€ 9,70	11,75 mm	1	175 mm	94 mm
ST2A12	€ 9,70	12,00 mm	1	182 mm	94 mm
ST2A12.25	€ 11,10	12,25 mm	1	182 mm	101 mm
ST2A12.50	€ 11,10	12,50 mm	1	182 mm	101 mm
ST2A12.75	€ 11,10	12,75 mm	1	182 mm	101 mm
ST2A13	€ 11,10	13,00 mm	1	182 mm	101 mm
ST2A13.25	€ 11,10	13,25 mm	1	182 mm	101 mm
ST2A13.50	€ 11,10	13,50 mm	1	189 mm	108 mm
ST2A13.75	€ 11,10	13,75 mm	1	189 mm	108 mm
ST2A14	€ 11,10	14,00 mm	1	189 mm	108 mm
ST2A14.25	€ 11,10	14,25 mm	2	212 mm	114 mm
ST2A14.50	€ 11,10	14,50 mm	2	212 mm	114 mm
ST2A14.75	€ 11,10	14,75 mm	2	212 mm	114 mm
ST2A15	€ 11,10	15,00 mm	2	212 mm	114 mm
ST2A15.25	€ 16,50	15,25 mm	2	218 mm	120 mm
ST2A15.50	€ 16,50	15,50 mm	2	218 mm	120 mm
ST2A15.75	€ 16,50	15,75 mm	2	218 mm	120 mm
ST2A16	€ 16,50	16,00 mm	2	218 mm	120 mm
ST2A16.25	€ 16,50	16,25 mm	2	223 mm	125 mm
ST2A16.50	€ 16,50	16,50 mm	2	223 mm	125 mm
ST2A16.75	€ 16,50	16,75 mm	2	223 mm	125 mm
ST2A17	€ 16,50	17,00 mm	2	223 mm	125 mm
ST2A17.25	€ 16,50	17,25 mm	2	228 mm	130 mm
ST2A17.50	€ 16,50	17,50 mm	2	228 mm	130 mm
ST2A17.75	€ 16,50	17,75 mm	2	228 mm	130 mm
ST2A18	€ 20,20	18,00 mm	2	228 mm	130 mm
ST2A18.25	€ 20,20	18,25 mm	2	233 mm	135 mm
ST2A18.50	€ 20,20	18,50 mm	2	233 mm	135 mm
ST2A18.75	€ 20,20	18,75 mm	2	233 mm	135 mm
ST2A19	€ 20,20	19,00 mm	2	233 mm	135 mm
ST2A19.25	€ 21,40	19,25 mm	2	238 mm	140 mm
ST2A19.50	€ 21,40	19,50 mm	2	238 mm	130 mm
ST2A19.75	€ 21,40	19,75 mm	2	238 mm	140 mm
ST2A20	€ 21,40	20,00 mm	2	238 mm	140 mm
ST2A20.25	€ 21,40	20,25 mm	2	243 mm	145 mm
ST2A20.50	€ 24,80	20,50 mm	2	243 mm	145 mm
ST2A20.75	€ 24,80	20,75 mm	2	243 mm	145 mm
ST2A21	€ 24,80	21,00 mm	2	243 mm	145 mm
ST2A21.25	€ 27,30	21,25 mm	2	248 mm	150 mm
ST2A21.50	€ 27,30	21,50 mm	2	248 mm	150 mm
ST2A21.75	€ 27,30	21,75 mm	2	248 mm	150 mm
ST2A22	€ 27,30	22,00 mm	2	248 mm	150 mm
ST2A22.25	€ 28,70	22,25 mm	2	248 mm	150 mm

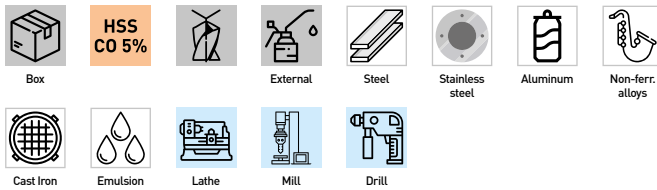
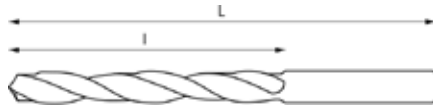
Art.	€	Ø	MT	L	l
ST2A22.50	€ 28,70	22,50 mm	2	253 mm	155 mm
ST2A22.75	€ 28,70	22,75 mm	2	253 mm	155 mm
ST2A23	€ 28,70	23,00 mm	2	253 mm	155 mm
ST2A23.25	€ 28,70	23,25 mm	3	276 mm	155 mm
ST2A23.50	€ 31,70	23,50 mm	3	276 mm	155 mm
ST2A23.75	€ 31,70	23,75 mm	3	281 mm	160 mm
ST2A24	€ 31,70	24,00 mm	3	281 mm	160 mm
ST2A24.25	€ 35,10	24,25 mm	3	281 mm	160 mm
ST2A24.50	€ 35,10	24,50 mm	3	281 mm	160 mm
ST2A24.75	€ 35,10	24,75 mm	3	281 mm	160 mm
ST2A25	€ 35,10	25,00 mm	3	281 mm	160 mm
ST2A25.25	€ 37,60	25,25 mm	3	281 mm	160 mm
ST2A25.50	€ 37,60	25,50 mm	3	281 mm	160 mm
ST2A25.75	€ 37,60	25,75 mm	3	281 mm	160 mm
ST2A26	€ 37,60	26,00 mm	3	286 mm	165 mm
ST2A26.25	€ 44,50	26,25 mm	3	286 mm	165 mm
ST2A26.50	€ 44,50	26,50 mm	3	286 mm	165 mm
ST2A26.75	€ 44,50	26,75 mm	3	291 mm	170 mm
ST2A27	€ 44,50	27,00 mm	3	291 mm	170 mm
ST2A27.25	€ 44,50	27,25 mm	3	291 mm	170 mm
ST2A27.50	€ 44,50	27,50 mm	3	291 mm	170 mm
ST2A27.75	€ 44,50	27,75 mm	3	291 mm	170 mm
ST2A28	€ 44,50	28,00 mm	3	291 mm	170 mm
ST2A28.25	€ 50,00	28,25 mm	3	296 mm	175 mm
ST2A28.50	€ 50,00	28,50 mm	3	296 mm	175 mm
ST2A28.75	€ 50,00	28,75 mm	3	296 mm	175 mm
ST2A29	€ 50,00	29,00 mm	3	296 mm	175 mm
ST2A29.25	€ 50,00	29,25 mm	3	296 mm	175 mm
ST2A29.50	€ 50,00	29,50 mm	3	296 mm	175 mm
ST2A29.75	€ 50,00	29,75 mm	3	296 mm	175 mm
ST2A30	€ 50,00	30,00 mm	3	296 mm	175 mm
ST2A30.25	€ 50,90	30,25 mm	3	301 mm	180 mm
ST2A30.50	€ 50,90	30,50 mm	3	301 mm	180 mm
ST2A30.75	€ 50,90	30,75 mm	3	301 mm	180 mm
ST2A31	€ 50,90	31,00 mm	3	301 mm	180 mm
ST2A31.25	€ 53,00	31,25 mm	3	301 mm	180 mm
ST2A31.50	€ 53,00	31,50 mm	3	301 mm	180 mm
ST2A31.75	€ 53,00	31,75 mm	4	306 mm	185 mm
ST2A32	€ 53,00	32,00 mm	4	334 mm	185 mm
ST2A32.50	€ 69,60	32,50 mm	4	334 mm	185 mm
ST2A33	€ 69,60	33,00 mm	4	334 mm	185 mm
ST2A33.50	€ 69,60	33,50 mm	4	334 mm	185 mm
ST2A34	€ 69,60	34,00 mm	4	339 mm	190 mm
ST2A34.50	€ 69,60	34,50 mm	4	339 mm	190 mm
ST2A35	€ 69,60	35,00 mm	4	339 mm	190 mm
ST2A35.50	€ 81,30	35,50 mm	4	339 mm	190 mm
ST2A36	€ 81,30	36,00 mm	4	344 mm	195 mm
ST2A36.50	€ 81,30	36,50 mm	4	344 mm	195 mm
ST2A37	€ 81,30	37,00 mm	4	344 mm	195 mm
ST2A37.50	€ 81,30	37,50 mm	4	344 mm	195 mm
ST2A38	€ 81,30	38,00 mm	4	349 mm	200 mm
ST2A38.50	€ 93,60	38,50 mm	4	349 mm	200 mm
ST2A39	€ 93,60	39,00 mm	4	349 mm	200 mm
ST2A39.50	€ 93,60	39,50 mm	4	349 mm	200 mm
ST2A40	€ 93,60	40,00 mm	4	349 mm	200 mm
ST2A40.50	€ 105,00	40,50 mm	4	354 mm	205 mm
ST2A41	€ 105,00	41,00 mm	4	354 mm	205 mm
ST2A41.50	€ 105,00	41,50 mm	4	354 mm	205 mm
ST2A42	€ 105,00	42,00 mm	4	354 mm	205 mm
ST2A42.50	€ 116,00	42,50 mm	4	354 mm	205 mm
ST2A43	€ 116,00	43,00 mm	4	359 mm	210 mm
ST2A43.50	€ 116,00	43,50 mm	4	359 mm	210 mm
ST2A44	€ 116,00	44,00 mm	4	359 mm	210 mm
ST2A44.50	€ 116,00	44,50 mm	4	359 mm	210 mm
ST2A45	€ 129,00	45,00 mm	4	359 mm	210 mm
ST2A45.50	€ 129,00	45,50 mm	4	364 mm	215 mm
ST2A46	€ 129,00	46,00 mm	4	364 mm	215 mm

Art.	€	Ø	MT	L	l
ST2A46.50	€ 150,00	46,50 mm	4	364 mm	215 mm
ST2A47	€ 150,00	47,00 mm	4	364 mm	215 mm
ST2A47.50	€ 150,00	47,50 mm	4	364 mm	215 mm
ST2A48	€ 150,00	48,00 mm	4	369 mm	220 mm
ST2A48.50	€ 166,00	48,50 mm	4	369 mm	220 mm
ST2A49	€ 166,00	49,00 mm	4	369 mm	220 mm
ST2A49.50	€ 166,00	49,50 mm	4	369 mm	220 mm
ST2A50	€ 169,00	50,00 mm	4	369 mm	220 mm
ST2A50.50	€ 173,00	50,50 mm	4	374 mm	225 mm
ST2A51	€ 179,00	51,00 mm	5	412 mm	225 mm
ST2A51.50	€ 185,00	51,50 mm	5	412 mm	225 mm
ST2A52	€ 195,00	52,00 mm	5	412 mm	225 mm
ST2A53	€ 195,00	53,00 mm	5	412 mm	225 mm
ST2A54	€ 195,00	54,00 mm	5	417 mm	230 mm
ST2A55	€ 195,00	55,00 mm	5	417 mm	230 mm
ST2A56	€ 227,00	56,00 mm	5	417 mm	230 mm
ST2A57	€ 227,00	57,00 mm	5	422 mm	235 mm
ST2A58	€ 227,00	58,00 mm	5	422 mm	235 mm
ST2A59	€ 227,00	59,00 mm	5	422 mm	235 mm
ST2A60	€ 227,00	60,00 mm	5	422 mm	235 mm
ST2A61	€ 271,00	61,00 mm	5	427 mm	240 mm
ST2A62	€ 293,00	62,00 mm	5	427 mm	240 mm
ST2A63	€ 336,00	63,00 mm	5	427 mm	240 mm
ST2A65	€ 336,00	65,00 mm	5	432 mm	245 mm
ST2A66	€ 336,00	66,00 mm	5	432 mm	245 mm
ST2A67	€ 340,00	67,00 mm	5	432 mm	245 mm
ST2A68	€ 349,00	68,00 mm	5	437 mm	250 mm
ST2A69	€ 353,00	69,00 mm	5	437 mm	250 mm
ST2A70	€ 353,00	70,00 mm	5	437 mm	250 mm
ST2A71	€ 353,00	71,00 mm	5	437 mm	250 mm
ST2A72	€ 353,00	72,00 mm	5	442 mm	255 mm
ST2A73	€ 400,00	73,00 mm	5	442 mm	255 mm
ST2A74	€ 400,00	74,00 mm	5	442 mm	255 mm
ST2A75	€ 419,00	75,00 mm</			



P081-
NC SPOTTING DRILL

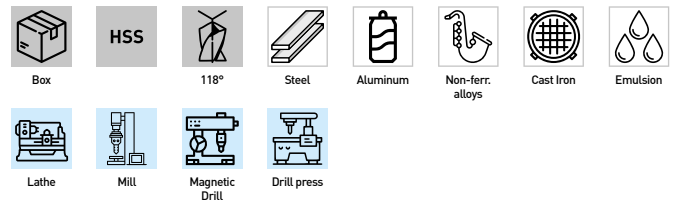
PRO NEW



Art.	€	Diameter	l	L
P081/03	€ 6,40	3 mm	12 mm	46 mm
P081/04	€ 8,30	4 mm	12 mm	55 mm
P081/05	€ 10,20	5 mm	15 mm	60 mm
P081/06	€ 12,30	6 mm	20 mm	66 mm
P081/08	€ 17,40	8 mm	25 mm	79 mm
P081/10	€ 22,30	10 mm	25 mm	89 mm
P081/12	€ 31,20	12 mm	30 mm	102 mm
P081/16	€ 50,50	16 mm	35 mm	115 mm
P081/20	€ 70,40	20 mm	40 mm	131 mm

P056-
CENTER DRILL

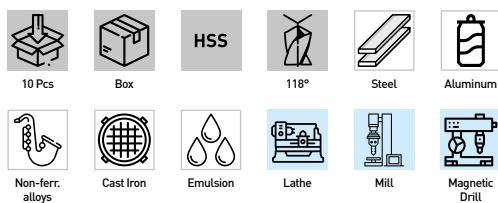
DIN 333, ground, with vaporized grooves. Taper angle 60°



Art.	€	ø	Stem	Length
P056/1	€ 2,45	1 mm	ø 3 mm	30,5 mm
P056/1.6	€ 2,45	1,6 mm	ø 4 mm	35,5 mm
P056/2	€ 3,67	2 mm	ø 5 mm	40 mm
P056/2.5	€ 3,87	2,5 mm	ø 6,3 mm	45 mm
P056/3.15	€ 4,27	3,15 mm	ø 8 mm	50 mm
P056/4	€ 7,60	4 mm	ø 10 mm	56 mm
P056/5	€ 10,20	5 mm	ø 12,5 mm	63 mm

P056/10S € 34,70
CENTER DRILL SET

DIN 333, ground, with vaporized grooves. Taper angle 60°



Sizes	0.75 - 1.00 - 1.5 - 1.6 - 2.0 - 2.5 - 3.0 - 3.15 - 4.0 - 5.0 mm
Type	A
Tolerance	K12



CORE SAWS

Tools designed for drilling and processing metal materials. These are cylindrical tips with a toothed circular section. They are mounted on the spindle of special tools such as drilling machines, magnetic base drills, and column drills. Unlike cup milling machines, which have a crown that holds the material to be removed inside, these milling machines process the material by chip removal through the side cutters of the tool.



THEORETICAL RPM FOR CORE SAWS DEPENDING ON THE MATERIAL TO BE PROCESSED

Materials to be processed	Saw Type	Saw diameter							Coolant
		12 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 49	50 - 60	
		no. of revolutions (rpm)							
Low alloy construction steel R < 700÷900N/mm ²	HSS	700	530	420	340	290	240	170	Emulsion
	HSS-Co5%	875	663	525	425	363	300	213	Emulsion
Alloy steel R < 1100÷1300N/mm ²	HSS	470	350	270	230	190	160	120	Emulsion
	HSS-Co5%	588	438	338	288	238	200	150	Emulsion
Stainless steel	HSS	470	350	270	230	190	160	120	Emulsion
	HSS-Co5%	588	438	338	288	238	200	150	Emulsion
Cast iron	HSS	240	180	140	120	100	80	60	No refriger.
Light Alloys	HSS	700	530	420	340	290	240	170	No refriger.
Plastic	HSS	830	620	480	400	340	280	200	No refriger.

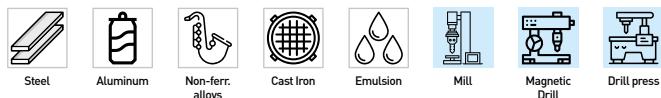
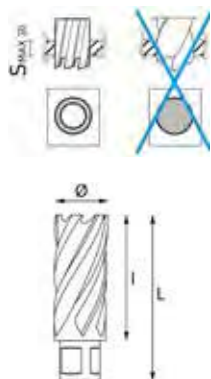




F011-

CORE DRILL WITH WELDON SHANK

Allows a very fast cut, does not require pre-drilling and does not create any burr formation thanks to the lower effort of the cutting edge during processing



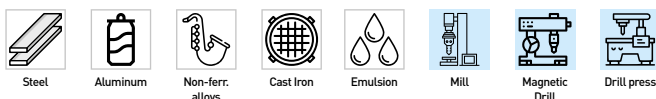
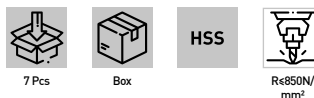
Art.	€	Cutting capacity	ø	Total length
F011/12	€ 23,50	30 mm	12 mm	62 mm
F011/13	€ 24,50	30 mm	13 mm	62 mm
F011/14	€ 28,40	30 mm	14 mm	62 mm
F011/15	€ 29,30	30 mm	15 mm	62 mm
F011/16	€ 31,30	30 mm	16 mm	62 mm
F011/17	€ 32,30	30 mm	17 mm	62 mm
F011/18	€ 34,20	30 mm	18 mm	62 mm
F011/19	€ 35,10	30 mm	19 mm	62 mm
F011/20	€ 36,20	30 mm	20 mm	62 mm
F011/21	€ 36,70	30 mm	21 mm	62 mm
F011/22	€ 38,10	30 mm	22 mm	62 mm
F011/23	€ 39,10	30 mm	23 mm	62 mm
F011/24	€ 41,60	30 mm	24 mm	62 mm
F011/25	€ 43,10	30 mm	25 mm	62 mm
F011/26	€ 48,90	30 mm	26 mm	62 mm
F011/27	€ 50,30	30 mm	27 mm	62 mm
F011/28	€ 51,80	30 mm	28 mm	62 mm
F011/29	€ 53,30	30 mm	29 mm	62 mm
F011/30	€ 54,70	30 mm	30 mm	62 mm
F011/31	€ 57,10	30 mm	31 mm	62 mm
F011/32	€ 58,70	30 mm	32 mm	62 mm
F011/33	€ 60,40	30 mm	33 mm	62 mm
F011/34	€ 62,10	30 mm	34 mm	62 mm
F011/35	€ 63,50	30 mm	35 mm	62 mm
F011/36	€ 65,30	30 mm	36 mm	62 mm
F011/37	€ 67,00	30 mm	37 mm	62 mm
F011/38	€ 69,20	30 mm	38 mm	62 mm
F011/39	€ 71,20	30 mm	39 mm	62 mm
F011/40	€ 72,40	30 mm	40 mm	62 mm
F011/41	€ 83,60	30 mm	41 mm	62 mm
F011/42	€ 85,50	30 mm	42 mm	62 mm
F011/43	€ 87,00	30 mm	43 mm	62 mm
F011/44	€ 88,90	30 mm	44 mm	62 mm
F011/45	€ 104,00	30 mm	45 mm	62 mm
F011/46	€ 106,00	30 mm	46 mm	62 mm
F011/47	€ 108,00	30 mm	47 mm	62 mm
F011/48	€ 111,00	30 mm	48 mm	62 mm
F011/49	€ 113,00	30 mm	49 mm	62 mm
F011/50	€ 115,00	30 mm	50 mm	62 mm
F011/51	€ 125,00	30 mm	51 mm	62 mm
F011/52	€ 127,00	30 mm	52 mm	62 mm
F011/53	€ 129,00	30 mm	53 mm	62 mm
F011/54	€ 132,00	30 mm	54 mm	62 mm
F011/55	€ 137,00	30 mm	55 mm	62 mm
F011/60	€ 160,00	30 mm	60 mm	62 mm

F011/6

€ 185,00

WELDON SHANK CORE DRILL SET

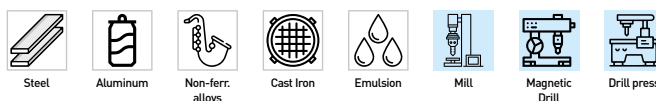
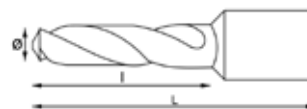
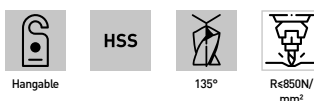
Allows a very fast cut, does not require pre-drilling and does not create any burr formation thanks to the lower effort of the cutting edge during processing.



Sizes	12 x 62 - 14 x 62 - 16 x 62 - 18 x 62 - 20 x 62 - 22 x 62 mm
Cutting capacity	30 mm
Shank	Weldon 19,05 mm

F011-XP

TWIST DRILLS WELDON SHANK



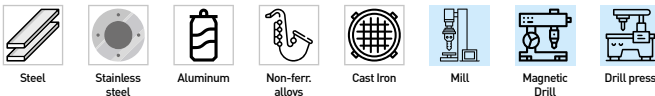
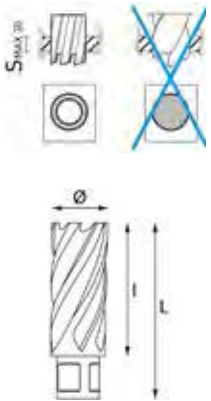
Art.	€	ø	L	L
F011/006P	€ 28,70	6 mm	30 mm	62 mm
F011/007P	€ 28,70	7 mm	30 mm	62 mm
F011/008P	€ 28,70	8 mm	30 mm	62 mm
F011/009P	€ 31,70	9 mm	30 mm	62 mm
F011/010P	€ 31,70	10 mm	30 mm	62 mm
F011/011P	€ 34,70	11 mm	30 mm	62 mm

F002-

PRO

CORE DRILL WITH WELDON SHANK

Allows a very fast cut, does not require pre-drilling and does not create any burr formation thanks to the lower effort of the cutting edge during processing



Art.	€	Ø	Cutting capacity	Total length
F002/12	€ 38,90	12 mm	30 mm	62 mm
F002/13	€ 41,10	13 mm	30 mm	62 mm
F002/14	€ 44,90	14 mm	30 mm	62 mm
F002/15	€ 48,90	15 mm	30 mm	62 mm
F002/16	€ 50,80	16 mm	30 mm	62 mm
F002/17	€ 50,80	17 mm	30 mm	62 mm
F002/18	€ 50,80	18 mm	30 mm	62 mm
F002/19	€ 51,80	19 mm	30 mm	62 mm
F002/20	€ 53,80	20 mm	30 mm	62 mm
F002/21	€ 55,70	21 mm	30 mm	62 mm
F002/22	€ 57,70	22 mm	30 mm	62 mm
F002/23	€ 59,10	23 mm	30 mm	62 mm
F002/24	€ 62,60	24 mm	30 mm	62 mm
F002/25	€ 64,50	25 mm	30 mm	62 mm
F002/26	€ 74,20	26 mm	30 mm	62 mm
F002/27	€ 77,30	27 mm	30 mm	62 mm
F002/28	€ 79,20	28 mm	30 mm	62 mm
F002/29	€ 80,10	29 mm	30 mm	62 mm
F002/30	€ 83,10	30 mm	30 mm	62 mm
F002/31	€ 87,00	31 mm	30 mm	62 mm
F002/32	€ 90,00	32 mm	30 mm	62 mm
F002/33	€ 96,80	33 mm	30 mm	62 mm
F002/34	€ 102,00	34 mm	30 mm	62 mm
F002/35	€ 105,00	35 mm	30 mm	62 mm
F002/36	€ 109,00	36 mm	30 mm	62 mm
F002/37	€ 114,00	37 mm	30 mm	62 mm
F002/38	€ 118,00	38 mm	30 mm	62 mm
F002/39	€ 123,00	39 mm	30 mm	62 mm
F002/40	€ 127,00	40 mm	30 mm	62 mm
F002/41	€ 132,00	41 mm	30 mm	62 mm
F002/42	€ 138,00	42 mm	30 mm	62 mm
F002/43	€ 141,00	43 mm	30 mm	62 mm
F002/44	€ 148,00	44 mm	30 mm	62 mm
F002/45	€ 158,00	45 mm	30 mm	62 mm
F002/46	€ 160,00	46 mm	30 mm	62 mm
F002/47	€ 164,00	47 mm	30 mm	62 mm
F002/48	€ 167,00	48 mm	30 mm	62 mm
F002/49	€ 172,00	49 mm	30 mm	62 mm
F002/50	€ 176,00	50 mm	30 mm	62 mm
F002/55	€ 205,00	55 mm	30 mm	62 mm
F002/60	€ 317,00	60 mm	30 mm	62 mm

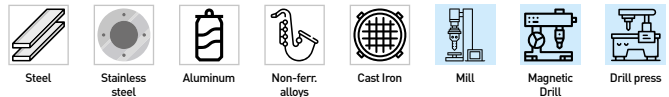
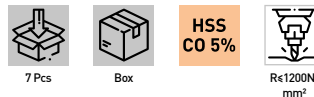
F002/6

PRO

€ 283,00

WELDON SHANK CORE DRILL SET

Allows a very fast cut, does not require pre-drilling and does not create any burr formation thanks to the lower effort of the cutting edge during processing.

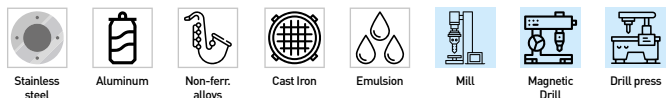
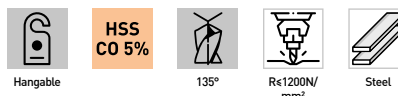
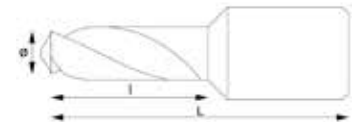


Sizes 12 x 62 - 14 x 62 - 16 x 62 - 18 x 62 - 20 x 62 - 22 x 62 mm
Shank Weldon 19,05 mm

F002-XP

PRO

TWIST DRILLS WELDON SHANK



Art.	€	Ø	l	L
F002/006P	€ 26,70	6 mm	30 mm	62.50 mm
F002/007P	€ 26,70	7 mm	30 mm	62.50 mm
F002/008P	€ 26,70	8 mm	30 mm	62.50 mm
F002/009P	€ 26,70	9 mm	30 mm	62.50 mm
F002/010P	€ 26,70	10 mm	30 mm	62.50 mm
F002/011P	€ 26,70	11 mm	30 mm	62.50 mm

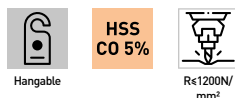
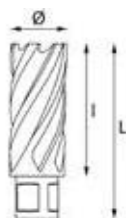


F002-XL

PRO

LONG TYPE CORE DRILL WITH WELDON SHANK

Allows a very fast cut, does not require pre-drilling and does not create any burr formation thanks to the lower effort of the cutting edge during processing

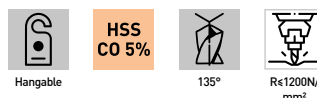
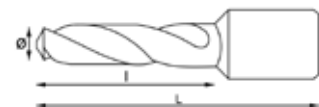


Art.	€	ø	Cutting capacity	Total length
F002/12L	€ 54,70	12 mm	50 mm	85 mm
F002/13L	€ 55,70	13 mm	50 mm	85 mm
F002/14L	€ 65,50	14 mm	50 mm	85 mm
F002/15L	€ 66,50	15 mm	50 mm	85 mm
F002/16L	€ 71,40	16 mm	50 mm	85 mm
F002/17L	€ 74,20	17 mm	50 mm	85 mm
F002/18L	€ 77,30	18 mm	50 mm	85 mm
F002/19L	€ 79,20	19 mm	50 mm	85 mm
F002/20L	€ 81,10	20 mm	50 mm	85 mm
F002/21L	€ 83,10	21 mm	50 mm	85 mm
F002/22L	€ 85,00	22 mm	50 mm	85 mm
F002/23L	€ 87,00	23 mm	50 mm	85 mm
F002/24L	€ 91,90	24 mm	50 mm	85 mm
F002/25L	€ 93,80	25 mm	50 mm	85 mm
F002/26L	€ 109,00	26 mm	50 mm	85 mm
F002/27L	€ 111,00	27 mm	50 mm	85 mm
F002/28L	€ 114,00	28 mm	50 mm	85 mm
F002/29L	€ 116,00	29 mm	50 mm	85 mm
F002/30L	€ 118,00	30 mm	50 mm	85 mm
F002/31L	€ 125,00	31 mm	50 mm	85 mm
F002/32L	€ 128,00	32 mm	50 mm	85 mm
F002/33L	€ 129,00	33 mm	50 mm	85 mm
F002/34L	€ 133,00	34 mm	50 mm	85 mm
F002/35L	€ 135,00	35 mm	50 mm	85 mm
F002/36L	€ 140,00	36 mm	50 mm	85 mm
F002/37L	€ 141,00	37 mm	50 mm	85 mm
F002/38L	€ 146,00	38 mm	50 mm	85 mm
F002/39L	€ 150,00	39 mm	50 mm	85 mm
F002/40L	€ 151,00	40 mm	50 mm	85 mm
F002/41L	€ 176,00	41 mm	50 mm	85 mm
F002/42L	€ 179,00	42 mm	50 mm	85 mm
F002/43L	€ 183,00	43 mm	50 mm	85 mm
F002/44L	€ 186,00	44 mm	50 mm	85 mm
F002/45L	€ 223,00	45 mm	50 mm	85 mm
F002/46L	€ 226,00	46 mm	50 mm	85 mm
F002/47L	€ 229,00	47 mm	50 mm	85 mm
F002/48L	€ 233,00	48 mm	50 mm	85 mm
F002/49L	€ 237,00	49 mm	50 mm	85 mm
F002/50L	€ 241,00	50 mm	50 mm	85 mm
F002/55L	€ 284,00	55 mm	50 mm	85 mm
F002/60L	€ 328,00	60 mm	50 mm	85 mm

F002-XPL

PRO

LONG TWIST DRILLS WELDON SHANK



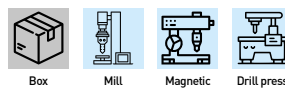
Art.	€	ø	L	L
F002/006PL	€ 34,70	6 mm	55 mm	86.50 mm
F002/007PL	€ 34,70	7 mm	55 mm	86.50 mm
F002/008PL	€ 34,70	8 mm	55 mm	86.50 mm
F002/009PL	€ 34,70	9 mm	55 mm	86.50 mm
F002/010PL	€ 34,70	10 mm	55 mm	86.50 mm
F002/011PL	€ 34,70	11 mm	55 mm	86.50 mm

F002/P

PRO € 7,80

PILOT PIN

For weldon shank core drills



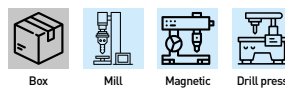
Dimensions 6,35 x 77 mm

F002/PL

PRO € 9,70

PILOT PIN

For weldon shank long type core drills



Dimensions 6,35 x 102 mm

CUP SAWS WITH HARD METAL INSERTS



The variable hard metal tooth geometry enables cutting of pipes, profiles and sheets made of stainless steel, high-alloy steel. Max cut thickness: 5 mm

THEORETICAL RPM FOR CUP SAWS WITH HARD METAL INSERTS DEPENDING ON THE MATERIAL TO BE PROCESSED

Materials to be processed	Saw diameter							Coolant
	15 - 20	21 - 25	26 - 30	31 - 40	41 - 50	51 - 70	71 - 100	
	no. of revolutions (rpm)							
Alloy steel R< 1100÷1300N/mm ²	530	420	340	270	210	160	100	Emulsion
Stainless steel	530	420	340	270	210	160	100	Emulsion
Aluminium	880	690	570	450	350	270	190	Emulsion

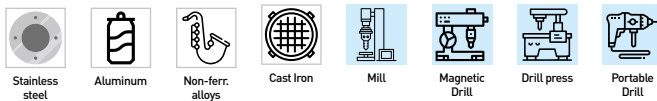
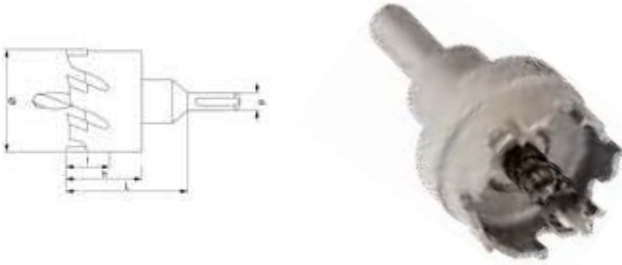




F019-

TCT CORE DRILL

With lateral chip and center drill



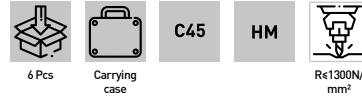
Art.	€	ø	h	d	L	Cutting Depth	Thread
F019/015	€ 12,50	15 mm	28 mm	10 mm	50 mm	5 mm	-
F019/016	€ 13,40	16 mm	28 mm	10 mm	50 mm	5 mm	-
F019/017	€ 14,30	17 mm	28 mm	10 mm	50 mm	5 mm	-
F019/018	€ 15,20	18 mm	28 mm	10 mm	50 mm	5 mm	-
F019/019	€ 16,00	19 mm	28 mm	10 mm	50 mm	5 mm	-
F019/020	€ 17,00	20 mm	28 mm	10 mm	50 mm	5 mm	-
F019/021	€ 17,80	21 mm	28 mm	10 mm	50 mm	5 mm	-
F019/022	€ 18,80	22 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/023	€ 19,60	23 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/024	€ 20,50	24 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/025	€ 21,40	25 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/026	€ 22,30	26 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/027	€ 23,20	27 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/028	€ 24,10	28 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/029	€ 24,90	29 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/030	€ 25,90	30 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/031	€ 26,70	31 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/032	€ 27,70	32 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/033	€ 28,50	33 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/034	€ 29,50	34 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/035	€ 30,30	35 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/036	€ 31,20	36 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/037	€ 32,10	37 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/038	€ 33,00	38 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/039	€ 33,80	39 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/040	€ 34,80	40 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/041	€ 35,10	41 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/042	€ 36,10	42 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/043	€ 36,90	43 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/044	€ 37,40	44 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/045	€ 38,40	45 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/046	€ 39,20	46 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/047	€ 40,10	47 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/048	€ 41,00	48 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/049	€ 41,90	49 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/050	€ 42,70	50 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/051	€ 43,70	51 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/052	€ 44,50	52 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/053	€ 45,50	53 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/054	€ 46,30	54 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/055	€ 47,30	55 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/056	€ 48,10	56 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/057	€ 49,00	57 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/058	€ 49,90	58 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/059	€ 50,80	59 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/060	€ 51,60	60 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/065	€ 59,70	65 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/070	€ 63,30	70 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/075	€ 67,70	75 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/080	€ 72,20	80 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/085	€ 76,60	85 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/090	€ 81,90	90 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/095	€ 86,40	95 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/100	€ 90,80	100 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5

F019/006

€ 99,60

TCT CORE DRILL SET

With lateral chip and center drill.



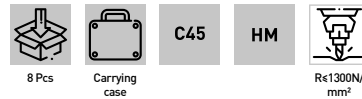
Sizes 16 mm, 18 mm, 20 mm, 22 mm, 25 mm, 30 mm
Cutting Depth 5 mm

F019/008

€ 141,00

TCT CORE DRILL SET

With lateral chip and center drill.



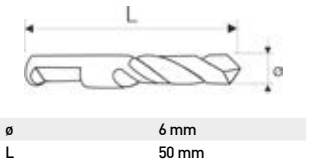
Sizes 16 mm, 18 mm, 20 mm, 22 mm, 25 mm, 30 mm, 32 mm, 35 mm
Cutting Depth 5 mm

F019/005

€ 1,88

CENTER DRILL

For item F019-



F019/007

€ 0,23

SPRING

For item F019-



HSS CUP SAWS

Equipped with chip breaker side cut. Precision drilling of steel sheets, light alloys and metal materials in general. Drilling depth up to 5 mm.



THEORETICAL RPM FOR CORE SAWS DEPENDING ON THE MATERIAL TO BE PROCESSED

Materials to be processed	Saw diameter												Coolant
	12-17	18-24	25-32	33-38	39-44	45-51	52-57	58-64	65-70	71-80	81-90	91-100	
	no. of revolutions (rpm)												
Low alloy construction steel R< 700÷900N/mm ²	550	380	300	240	200	170	150	130	120	110	100	90	Emulsion
Alloy steel R< 1100÷1300N/mm ²	230	160	130	100	80	70	60	60	50	50	40	40	Emulsion
Stainless steel	230	160	130	100	80	70	60	60	50	50	40	40	Emulsion
Cast iron	280	190	150	120	100	90	80	70	60	60	50	40	No refriger.
Light Alloys	870	590	470	370	310	270	240	210	190	170	150	140	Emulsion
Aluminium	870	590	470	370	310	270	240	210	190	170	150	140	Emulsion
Plastic	660	450	350	280	240	210	180	160	150	130	120	100	Water No refrigeration

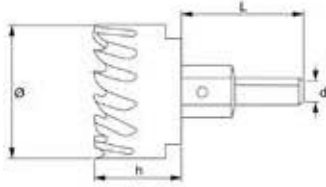




F015-

DRILL BIT HOLE SAW

With lateral chip and center drill



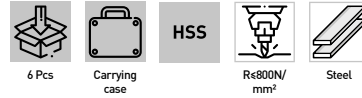
Art.	€	ø	h	d	L	Thread
F015/012	€ 10,30	12 mm	23 mm	8 mm	56 mm	M10 x 1,25
F015/013	€ 10,30	13 mm	23 mm	8 mm	56 mm	M10 x 1,25
F015/014	€ 10,80	14 mm	23 mm	8 mm	56 mm	M10 x 1,25
F015/015	€ 10,80	15 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/016	€ 10,80	16 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/017	€ 10,80	17 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/018	€ 10,80	18 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/019	€ 11,30	19 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/020	€ 11,80	20 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/021	€ 12,20	21 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/022	€ 12,70	22 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/023	€ 13,80	23 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/024	€ 14,10	24 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/025	€ 14,60	25 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/026	€ 15,60	26 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/027	€ 16,00	27 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/028	€ 16,50	28 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/029	€ 17,00	29 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/030	€ 17,30	30 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/031	€ 17,80	31 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/032	€ 18,80	32 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/033	€ 18,80	33 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/034	€ 19,70	34 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/035	€ 20,70	35 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/036	€ 21,60	36 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/037	€ 21,60	37 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/038	€ 22,10	38 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/039	€ 24,00	39 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/040	€ 24,00	40 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/041	€ 24,50	41 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/042	€ 24,50	42 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/043	€ 25,40	43 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/044	€ 25,90	44 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/045	€ 27,30	45 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/046	€ 27,30	46 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/047	€ 27,80	47 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/048	€ 29,60	48 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/049	€ 30,00	49 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/050	€ 30,00	50 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/051	€ 36,70	51 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/052	€ 36,70	52 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/053	€ 37,60	53 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/054	€ 39,50	54 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/055	€ 39,50	55 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/056	€ 40,40	56 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/057	€ 40,40	57 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/058	€ 42,30	58 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/059	€ 44,20	59 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/060	€ 44,20	60 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/065	€ 56,40	65 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/070	€ 60,20	70 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/075	€ 64,80	75 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/080	€ 71,50	80 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/085	€ 81,80	85 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/090	€ 90,20	90 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/095	€ 97,70	95 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/100	€ 103,00	100 mm	23 mm	12 mm	56 mm	M16 x 1,5

F015/006S

€ 99,60

DRILL BIT HOLE SAW SET

With lateral chip and center drill.



Sizes 16 mm, 18 mm, 20 mm, 22 mm, 25 mm, 30 mm

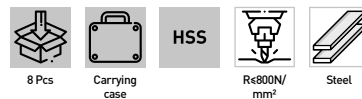


F015/008S

€ 141,00

DRILL BIT HOLE SAW SET

With lateral chip and center drill.



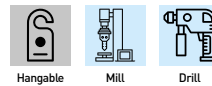
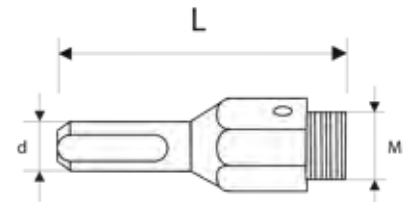
Sizes 16 mm, 18 mm, 20 mm, 22 mm, 25 mm, 30 mm, 32 mm, 35 mm



F015-A

DRILL BIT HOLE SAW ARBOR

For item F015-



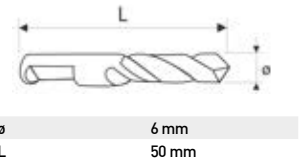
Art.	€	ø	d	L	Thread
F015/001	€ 3,29	12 - 14 mm	8 mm	56 mm	M10 x 1,25
F015/002	€ 3,29	15-34 mm	10 mm	56 mm	M12 x 1,25
F015/003	€ 4,71	35-50 mm	10 mm	56 mm	M14 x 1,5
F015/004	€ 4,71	51-100 mm	12 mm	60 mm	M16 x 1,5

F015/005

€ 1,88

CENTER DRILL

For item F015-



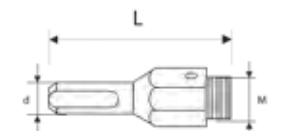
ø 6 mm
L 50 mm

F015/007

€ 0,23

SPRING

For item F015-



BI-METAL CUP SAW

Equipped with variable toothing for cutting thin material such as steel, cast iron, aluminium, copper, bronze, brass, wood, plastic, fibreglass and plasterboard.



THEORETICAL RPM FOR CORE SAWS DEPENDING ON THE MATERIAL TO BE PROCESSED

Materials to be processed	Saw diameter																Coolant
	14 - 17	19 - 24	25 - 32	33 - 38	40 - 44	46 - 51	52 - 57	59 - 64	65 - 70	73 - 79	83 - 89	92 - 98	102 - 108	111 - 121	127 - 140	146 - 152	
	no. of revolutions (rpm)																
Low alloy construction steel R< 700÷900N/mm ²	530	360	280	230	190	170	140	130	120	110	90	80	80	70	60	50	Emulsion
Alloy steel R< 1100÷1300N/mm ²	210	140	110	90	80	70	60	50	50	40	40	30	30	30	20	20	Emulsion
Stainless steel	210	140	110	90	80	70	60	50	50	40	40	30	30	30	20	20	Emulsion
Cast iron	250	180	170	140	110	90	70	60	60	50	40	40	40	30	30	30	No refriger.
Brass	740	510	400	320	270	230	200	180	170	150	130	120	110	100	80	70	"Emulsion Oil"
Aluminium and light alloys	850	580	450	360	300	270	230	210	190	170	150	130	120	110	100	80	Emulsion
Wood	960	650	510	410	340	300	260	230	210	190	170	150	140	120	110	100	No refriger.
Plastic	640	430	340	270	230	200	170	150	140	130	110	100	90	80	70	60	No refriger.
Plasterboard	960	650	510	410	340	300	260	230	210	190	170	150	140	120	110	100	No refriger.





0278-

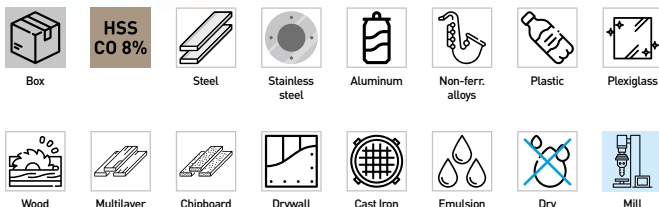
PRO

BIMETAL HOLE SAWS WITH VARIABLE TEETH

Thanks to the geometry of the variable toothing, it is possible to perform rapid and precise cuts as well as greater heat dispersion during cutting for less wear of the teeth. Furthermore, there is a considerable reduction of seizure



BIM - HSS-CO 8% AISI M2



Art.	€	ø	ø inch
0278/014	€ 5,30	14 mm	9/16
0278/016	€ 5,30	16 mm	5/8
0278/017	€ 5,30	17 mm	11/16
0278/019	€ 5,70	19 mm	3/4
0278/020	€ 5,70	20 mm	25/32
0278/021	€ 6,10	21 mm	13/16
0278/022	€ 6,10	22 mm	7/8
0278/024	€ 6,40	24 mm	15/16
0278/025	€ 6,40	25 mm	1
0278/027	€ 7,00	27 mm	1-1/16
0278/029	€ 7,00	29 mm	1-1/8
0278/030	€ 8,30	30 mm	1-3/16
0278/032	€ 8,30	32 mm	1-1/4
0278/033	€ 8,50	33 mm	1-5/16
0278/035	€ 9,00	35 mm	1-3/8
0278/037	€ 9,50	37 mm	1-7/16
0278/038	€ 9,50	38 mm	1-1/2
0278/040	€ 9,70	40 mm	1-9/16
0278/041	€ 9,90	41 mm	1-5/8
0278/043	€ 9,90	43 mm	1-11/16
0278/044	€ 10,80	44 mm	1-3/4
0278/046	€ 10,80	46 mm	1-13/16
0278/048	€ 11,10	48 mm	1-7/8
0278/051	€ 11,40	51 mm	2
0278/052	€ 12,70	52 mm	2-1/16
0278/054	€ 12,70	54 mm	2-1/8
0278/057	€ 12,70	57 mm	2-1/4
0278/059	€ 13,10	59 mm	2-5/16
0278/060	€ 13,10	60 mm	2-3/8
0278/064	€ 14,10	64 mm	2-1/2
0278/065	€ 14,10	65 mm	2-9/16
0278/067	€ 15,20	67 mm	2-5/8
0278/068	€ 15,20	68 mm	2-11/16
0278/070	€ 15,20	70 mm	2-3/4
0278/073	€ 16,70	73 mm	2-7/8
0278/076	€ 16,70	76 mm	3
0278/079	€ 17,70	79 mm	3-1/8
0278/083	€ 18,80	83 mm	3-1/4
0278/085	€ 18,80	85 mm	3-3/8
0278/089	€ 20,40	89 mm	3-1/2
0278/092	€ 20,90	92 mm	3-5/8
0278/095	€ 21,70	95 mm	3-3/4
0278/098	€ 21,70	98 mm	3-7/8
0278/102	€ 21,90	102 mm	4
0278/105	€ 22,30	105 mm	4-1/8
0278/108	€ 23,00	108 mm	4-1/4
0278/111	€ 23,70	111 mm	4-3/8
0278/114	€ 24,80	114 mm	4-1/2
0278/121	€ 25,90	121 mm	4-3/4
0278/127	€ 28,00	127 mm	5
0278/140	€ 37,80	140 mm	5-1/2
0278/152	€ 44,00	152 mm	6

0278/002S

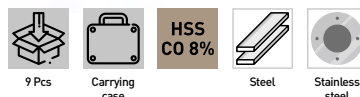
PRO € 95,90

HOLE SAW SET

Electrician kit



BIM - HSS-CO 8% AISI M2



Hole saw	22 - 29 mm
Corresponding arbors, adapter, bits	0712/600
Hole saw	35 - 44 mm
Corresponding arbors, adapter, bits	0712/800
Hole saw	51 - 64 mm
Corresponding arbors, adapter, bits	0712/900

0278/005S

PRO € 62,90

HOLE SAW SET

Repairman set



BIM - HSS-CO 8% AISI M2



Hole saw	22 - 25 - 29 mm
Corresponding arbors, adapter, bits	0712/600
Hole saw	32 - 38 mm
Corresponding arbors, adapter, bits	0712/900

0278/008S

PRO € 91,20

HOLE SAW SET

Plumber set



BIM - HSS-CO 8% AISI M2



Hole saw	19 - 22 - 29 mm
Corresponding arbors, adapter, bits	0712/600
Hole saw	38 - 44 - 57 mm
Corresponding arbors, adapter, bits	0712/800 - 0712/900

0278/009S

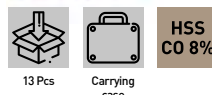
PRO € 108,00

HOLE SAW SET

Installer set



BIM - HSS-CO 8% AISI M2



Hole saw	19 - 22 - 29 mm
Corresponding arbors, adapter, bits	0712/600 - 0712/900 - 0712/300
Hole saw	35 - 38 - 44 - 51 - 57 - 64 mm
Corresponding arbors, adapter, bits	0712/800

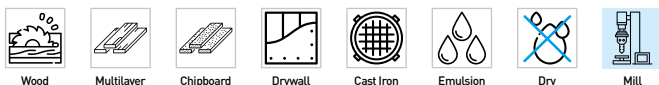
0712-

BIMETAL HOLE SAWS WITH VARIABLE TEETH

Thanks to the geometry of the variable toothting, it is possible to perform rapid and precise cuts as well as greater heat dispersion during cutting for less wear of the teeth. Furthermore, there is a considerable reduction of seizure



BIM - HSS M3/1
W: Z-6



Art.	€	ø	ø inch
0712/014	€ 4,91	14 mm	9/16
0712/016	€ 4,91	16 mm	5/8
0712/017	€ 4,91	17 mm	11/16
0712/019	€ 4,91	19 mm	3/4
0712/020	€ 4,91	20 mm	25/32
0712/021	€ 4,91	21 mm	13/16
0712/022	€ 7,00	22 mm	7/8
0712/024	€ 7,00	24 mm	15/16
0712/025	€ 7,00	25 mm	1
0712/027	€ 7,00	27 mm	1-1/16
0712/029	€ 7,00	29 mm	1-1/8
0712/030	€ 7,10	30 mm	1-3/16
0712/032	€ 7,10	32 mm	1-1/4
0712/033	€ 7,10	33 mm	1-5/16
0712/035	€ 9,10	35 mm	1-3/8
0712/037	€ 9,10	37 mm	1-7/16
0712/038	€ 9,10	38 mm	1-1/2
0712/040	€ 9,10	40 mm	1-9/16
0712/041	€ 9,10	41 mm	1-5/8
0712/043	€ 9,10	43 mm	1-11/16
0712/044	€ 9,10	44 mm	1-3/4
0712/046	€ 9,10	46 mm	1-13/16
0712/048	€ 9,10	48 mm	1-7/8
0712/051	€ 9,10	51 mm	2
0712/052	€ 10,70	52 mm	2-1/16
0712/054	€ 10,70	54 mm	2-1/8
0712/057	€ 10,70	57 mm	2-1/4
0712/059	€ 10,70	59 mm	2-5/16
0712/060	€ 10,70	60 mm	2-3/8
0712/064	€ 12,00	64 mm	2-1/2
0712/065	€ 12,00	65 mm	2-9/16
0712/067	€ 12,00	67 mm	2-5/8
0712/068	€ 12,00	68 mm	2-11/16
0712/070	€ 12,00	70 mm	2-3/4
0712/073	€ 14,00	73 mm	2-7/8
0712/076	€ 14,00	76 mm	3
0712/079	€ 14,00	79 mm	3-1/8
0712/083	€ 15,60	83 mm	3-1/4
0712/085	€ 15,60	85 mm	3-3/8
0712/089	€ 15,60	89 mm	3-1/2
0712/092	€ 15,60	92 mm	3-5/8
0712/095	€ 17,30	95 mm	3-3/4
0712/098	€ 17,30	98 mm	3-7/8
0712/102	€ 18,50	102 mm	4
0712/105	€ 20,20	105 mm	4-1/8
0712/108	€ 24,80	108 mm	4-1/4
0712/111	€ 30,80	111 mm	4-3/8
0712/114	€ 30,80	114 mm	4-1/2
0712/121	€ 30,80	121 mm	4-3/4
0712/127	€ 30,80	127 mm	5
0712/140	€ 35,60	140 mm	5-1/2
0712/152	€ 35,60	152 mm	6

0712/002

€ 86,90

HOLE SAW SET

Electrician kit



BIM - HSS M3/1
W: Z-6



Hole saw	22 - 29 mm
Corresponding arbors, adapter, bits	0712/600
Hole saw	35 - 44 mm
Corresponding arbors, adapter, bits	0712/800
Hole saw	51 - 64 mm
Corresponding arbors, adapter, bits	0712/900

0712/005

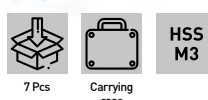
€ 56,90

HOLE SAW SET

Repairman set



BIM - HSS M3/1
W: Z-6



Hole saw	22 - 25 - 29 mm
Corresponding arbors, adapter, bits	0712/600
Hole saw	32 - 38 mm
Corresponding arbors, adapter, bits	0712/900

0712/008

€ 86,90

HOLE SAW SET

Plumber set



BIM - HSS M3/1
W: Z-6



Hole saw	19 - 22 - 29 mm
Corresponding arbors, adapter, bits	0712/600
Hole saw	38 - 44 - 57 mm
Corresponding arbors, adapter, bits	0712/800 - 0712/900

0712/009

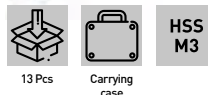
€ 98,70

HOLE SAW SET

Installer set



BIM - HSS M3/1
W: Z-6



Hole saw	19 - 22 - 29 mm
Corresponding arbors, adapter, bits	0712/600 - 0712/900 - 0712/300
Hole saw	35 - 38 - 44 - 51 - 57 - 64 mm
Corresponding arbors, adapter, bits	0712/800



0712/010

€ 186,00

HOLE SAW SET

Industry kit



WHL - HSS M3
Wk. 294



21 Pcs



Carrying case

HSS M3

Hole saw	19 - 22 - 29 mm
Corresponding arbors, adapter, bits	0712/600
Hole saw	35 - 38 - 44 - 51 - 57 - 64 - 76 - 83 - 92 - 95 - 105 - 114 mm
Corresponding arbors, adapter, bits	0712/600 - 0712/900 - 0712/300
Extension	300 mm

0712-X00

DRILL BIT

Suitable for all brands



Box

HSS

Art.	€	Stem	For arbor	Length	Pack
0712/300	€ 3,96	Ø 6,35 mm	0712/600	105 mm	10
0712/200	€ 3,96	Ø 6,35 mm	0712/700 - 800	75 mm	10

0712/900

€ 3,96

ARBOR ADAPTER FOR HOLE SAWS



Box

Gear Reduction ratio	1/2" - 5/8"
For arbor	0712/600 - 0712/700

0712-X0

HOLE SAW ARBOR WITH DRILL BIT

Hexagonal connection, suitable for all brands.



Box

HSS

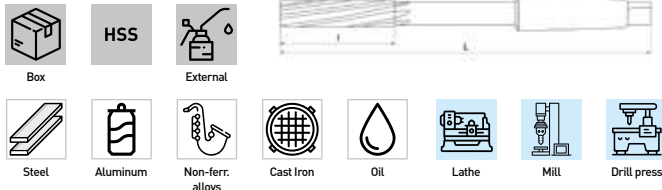
Art.	€	Shank	Stem	Hole saw	Thread
0712/600	€ 7,10	Shank Round	Ø 6,35 mm	Ø 14÷30 mm	1/2"
0712/700	€ 8,00	Shank Hexagonal	Ø 9,5 mm	Ø 14÷30 mm	1/2"
0712/800	€ 12,70	Shank Hexagonal	Ø 11 mm	Ø 32÷152 mm	5/8"



A208B-

MACHINE REAMER

DIN 208 / B, ground for H7 couplings. Right-hand cut, left-hand helical cutting edges, Morse taper attachment. They can be used mainly for through holes but thanks to the short mouth it is also possible to bore blind holes

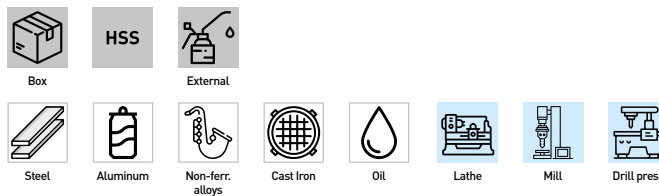


Art.	€	øH7	L	I	MT
A208B/05	€ 21,40	5 mm	133 mm	23 mm	1
A208B/06	€ 23,20	6 mm	138 mm	26 mm	1
A208B/07	€ 23,20	7 mm	150 mm	31 mm	1
A208B/08	€ 24,30	8 mm	156 mm	33 mm	1
A208B/09	€ 24,30	9 mm	162 mm	36 mm	1
A208B/10	€ 26,50	10 mm	168 mm	38 mm	1
A208B/11	€ 26,50	11 mm	175 mm	41 mm	1
A208B/12	€ 27,80	12 mm	182 mm	44 mm	1
A208B/13	€ 27,80	13 mm	182 mm	44 mm	1
A208B/14	€ 29,10	14 mm	189 mm	47 mm	1
A208B/15	€ 33,20	15 mm	204 mm	50 mm	2
A208B/16	€ 33,20	16 mm	210 mm	52 mm	2
A208B/17	€ 34,10	17 mm	214 mm	54 mm	2
A208B/18	€ 34,70	18 mm	219 mm	56 mm	2
A208B/19	€ 35,60	19 mm	223 mm	58 mm	2
A208B/20	€ 39,50	20 mm	228 mm	60 mm	2
A208B/21	€ 41,60	21 mm	232 mm	62 mm	2
A208B/22	€ 45,50	22 mm	237 mm	64 mm	2
A208B/23	€ 50,00	23 mm	241 mm	66 mm	2
A208B/24	€ 51,90	24 mm	268 mm	68 mm	3
A208B/25	€ 56,90	25 mm	268 mm	68 mm	3
A208B/26	€ 59,70	26 mm	273 mm	70 mm	3
A208B/27	€ 66,60	27 mm	277 mm	71 mm	3
A208B/28	€ 72,50	28 mm	277 mm	71 mm	3
A208B/29	€ 74,40	29 mm	281 mm	73 mm	3
A208B/30	€ 79,30	30 mm	281 mm	73 mm	3
A208B/31	€ 83,20	31 mm	285 mm	75 mm	3
A208B/32	€ 87,10	32 mm	317 mm	77 mm	4
A208B/34	€ 116,00	34 mm	321 mm	78 mm	4
A208B/35	€ 121,00	35 mm	321 mm	78 mm	4
A208B/36	€ 126,00	36 mm	325 mm	79 mm	4
A208B/38	€ 140,00	38 mm	329 mm	81 mm	4
A208B/40	€ 152,00	40 mm	329 mm	81 mm	4

A212-

MACHINE REAMER

DIN 212 / B, ground for H7 couplings. Right-hand cut, left-hand helical cutting edges, cylindrical attachment. They can be used mainly for through holes but thanks to the short mouth it is also possible to bore blind holes



Art.	€	øH7	L	I	d h9	Z
A212/02.00	€ 20,20	2 mm	49 mm	11 mm	2 mm	4
A212/02.50	€ 20,20	2,5 mm	57 mm	14 mm	2,5 mm	4
A212/03.00	€ 20,20	3 mm	61 mm	15 mm	3 mm	4
A212/03.50	€ 20,20	3,5 mm	70 mm	18 mm	3,5 mm	6
A212/04.00	€ 13,50	4 mm	75 mm	19 mm	4 mm	6
A212/04.50	€ 13,50	4,5 mm	80 mm	21 mm	4,5 mm	6
A212/05.00	€ 13,50	5 mm	86 mm	23 mm	5 mm	6
A212/05.50	€ 13,50	5,5 mm	93 mm	26 mm	5,5 mm	6
A212/06.00	€ 13,50	6 mm	93 mm	26 mm	6 mm	6
A212/06.50	€ 17,10	6,5 mm	101 mm	28 mm	6,5 mm	6
A212/07.00	€ 17,10	7 mm	109 mm	31 mm	7 mm	6
A212/07.50	€ 17,10	7,5 mm	109 mm	31 mm	7 mm	6
A212/08.00	€ 17,10	8 mm	117 mm	33 mm	8 mm	6
A212/08.50	€ 21,30	8,5 mm	117 mm	33 mm	8 mm	6
A212/09.00	€ 21,30	9 mm	125 mm	36 mm	9 mm	6
A212/09.50	€ 21,30	9,5 mm	125 mm	36 mm	9 mm	6
A212/10.00	€ 21,30	10 mm	133 mm	38 mm	10 mm	6
A212/11.00	€ 24,30	11 mm	142 mm	41 mm	10 mm	6
A212/12.00	€ 33,20	12 mm	151 mm	44 mm	10 mm	6
A212/13.00	€ 33,20	13 mm	151 mm	44 mm	10 mm	6
A212/14.00	€ 40,10	14 mm	160 mm	47 mm	12 mm	6
A212/15.00	€ 40,10	15 mm	162 mm	50 mm	12 mm	8
A212/16.00	€ 40,10	16 mm	170 mm	52 mm	12 mm	8

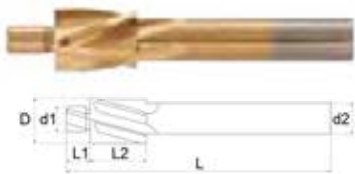




L018-

SOLID CAP SCREW COUNTER BORE BEFORE THREAD GRADE

DIN 373, for pre-drilled threads

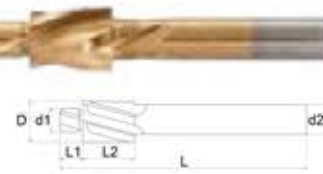


Art.	€	Screw	D	d1	d2	L1	L2	L
L018/03	€ 12,40	M3	6 mm	2,5 mm	5 mm	4 mm	14 mm	71 mm
L018/04	€ 12,40	M4	8 mm	3,3 mm	5 mm	5 mm	14 mm	71 mm
L018/05	€ 12,40	M5	10 mm	4,2 mm	8 mm	6 mm	18 mm	80 mm
L018/06	€ 12,80	M6	11 mm	5,0 mm	8 mm	7 mm	18 mm	80 mm
L018/08	€ 20,80	M8	15 mm	6,8 mm	12,5 mm	9 mm	22 mm	100 mm
L018/10	€ 24,70	M10	18 mm	8,5 mm	12,5 mm	14 mm	22 mm	100 mm
L018/12	€ 26,70	M12	20 mm	10,2 mm	12,5 mm	14 mm	22 mm	100 mm

L019-

SOLID CAP SCREW COUNTER BORE FINE GRADE

DIN 373, for through holes for the execution of precision screws or bolts



Art.	€	Screw	D	d1	d2	L1	L2	L
L019/03	€ 12,40	M3	6 mm	3,2 mm	5 mm	4 mm	14 mm	71 mm
L019/04	€ 12,40	M4	8 mm	4,3 mm	5 mm	5 mm	14 mm	71 mm
L019/05	€ 12,40	M5	10 mm	5,3 mm	8 mm	6 mm	18 mm	80 mm
L019/06	€ 12,80	M6	11 mm	6,4 mm	8 mm	7 mm	18 mm	80 mm
L019/08	€ 20,80	M8	15 mm	8,4 mm	12,5 mm	9 mm	22 mm	100 mm
L019/10	€ 24,70	M10	18 mm	10,5 mm	12,5 mm	14 mm	22 mm	100 mm
L019/12	€ 26,70	M12	20 mm	13,0 mm	12,5 mm	14 mm	22 mm	100 mm

L020-

COUNTERBORER WITH SOLID PILOT STRAIGHT SHANK MEDIUM TYPE

DIN 373, for through holes



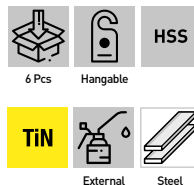
Art.	€	Screw	D	d1	d2	L1	L2	L
L020/03	€ 13,50	M3	6 mm	3,4 mm	5 mm	4 mm	14 mm	71 mm
L020/04	€ 14,60	M4	8 mm	4,5 mm	5 mm	5 mm	14 mm	71 mm
L020/05	€ 15,80	M5	10 mm	5,5 mm	8 mm	6 mm	18 mm	80 mm
L020/06	€ 16,60	M6	11 mm	6,6 mm	8 mm	7 mm	18 mm	80 mm
L020/08	€ 25,30	M8	15 mm	9 mm	12,5 mm	9 mm	22 mm	100 mm
L020/10	€ 28,70	M10	18 mm	11 mm	12,5 mm	14 mm	22 mm	100 mm
L020/12	€ 32,30	M12	20 mm	13,5 mm	12,5 mm	14 mm	22 mm	100 mm

L018S

€ 84,10

SOLID CAP SCREW COUNTER BORE SET BEFORE THREAD

DIN 373, for pre-drilled threads



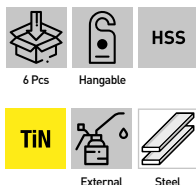
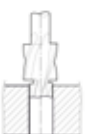
For screws M3, M4, M5, M6, M8, M10, M12

L019S

€ 84,10

SOLID CAP SCREW COUNTER BORE SET FINE GRADE

DIN 373, for through holes for the execution of precision screws or bolts



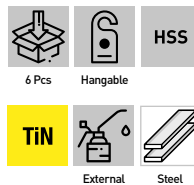
For screws M3, M4, M5, M6, M8, M10, M12

L020S

€ 84,10

SOLID CAP SCREW COUNTER BORE SET MEDIUM GRADE

DIN 373, for through holes

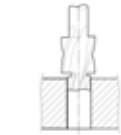


For screws M3, M4, M5, M6, M8, M10

L020 € 98,70

7 PCS COUNTERBORER WITH SOLID PILOT STRAIGHT SHANK

DIN 373, for through holes



For screws M3, M4, M5, M6, M8, M10, M12

S0X

90° THREE FLUTES COUNTERSINK

DIN 335C, with ground edges and grooves machined from solid, to perform conical countersinks without vibrations.

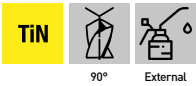


Art.	€	ø max	Screws M	Stem
S006	€ 10,20	6,3 mm	3	Ø 5 mm
S010	€ 12,00	10,4 mm	5	Ø 6 mm
S012	€ 13,80	12,4 mm	6	Ø 8 mm
S016	€ 17,90	16,5 mm	8	Ø 10 mm
S020	€ 21,90	20,5 mm	10	Ø 10 mm
S025	€ 26,20	25 mm	12	Ø 10 mm
S028	€ 33,10	28 mm	14	Ø 12 mm
S031	€ 35,50	31 mm	16	Ø 12 mm
S040	€ 60,00	40 mm	--	Ø 15 mm

S001 € 93,10

90° THREE FLUTES COUNTERSINK SET

DIN 335C, with ground edges and grooves machined from solid, to perform conical countersinks without vibrations.

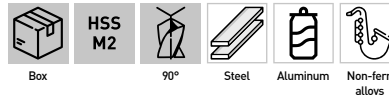
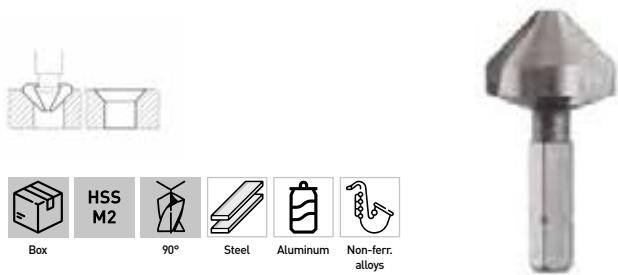


ø max 8 - 10 - 12,4 - 16,5 - 20,5 mm

S026-

COUNTERSINK WITH HEX SHANK

To perform conical countersinks without vibrations.

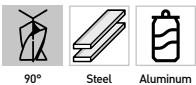


Art.	€	ø	Total length	Shank dimensions
S026/06	€ 9,40	6,3 mm	31 mm	1/4" HEX x 25 mm
S026/08	€ 9,40	8,3 mm	31 mm	1/4" HEX x 25 mm
S026/10	€ 10,30	10,4 mm	34 mm	1/4" HEX x 25 mm
S026/12	€ 10,80	12,4 mm	35 mm	1/4" HEX x 25 mm
S026/16	€ 11,80	16,5 mm	40 mm	1/4" HEX x 25 mm
S026/20	€ 13,70	20,5 mm	41 mm	1/4" HEX x 25 mm

S026/06-20S € 60,20

COUNTERSINK SET WITH HEX SHANK

To perform conical countersinks without vibrations.

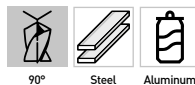


Sizes 6,3 - 8,3 - 10,4 - 12,4 - 16,5 - 20,5 mm
Shank dimensions 1/4" HEX x 25 mm

S026/06-20SM € 73,40

COUNTERSINK SET WITH HEX SHANK

To perform conical countersinks without vibrations. With handle and magnetic extension.



Sizes 6,3 - 8,3 - 10,4 - 12,4 - 16,5 - 20,5 mm
Shank dimensions 1/4" HEX x 25 mm



A014-

TAPER DRILL

With cylindrical shank



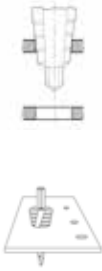
Art.	€	Ø	Total length
A014/03-14	€ 12,50	3 - 14 mm	58 mm
A014/06-20	€ 21,60	6 - 20 mm	63 mm
A014/16-30	€ 38,60	16 - 30,5 mm	72 mm
A014/26-40	€ 71,50	26 - 40 mm	86 mm
A014/36-50	€ 95,90	36 - 50 mm	89 mm
A014/40-61	€ 160,00	40 - 61 mm	94 mm
A014/03-31	€ 45,10	3 - 31 mm	104 mm
A014/03-22	€ 26,80	3 - 22,5 mm	76 mm

F639

€ 78,60

STEP DRILL BITS

For creating and enlarging holes in sheet metal

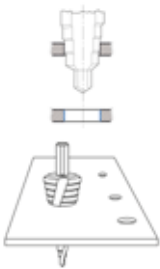


Stem	10 mm
Ø	6 ÷ 39 (6-9-12-15-18-21-24-27-30-33-36-39) mm

F23X

STEP DRILL BITS

For creating and enlarging holes in sheet metal, with interchangeable point.



Art.	€	Stem	Ø
F232	€ 72,40	10 mm	2,5 ÷ 32 (2,5-6,3-11,2-14,5-18,2-22,3-27,9-32) mm
F238	€ 77,50	10 mm	2,5 ÷ 38 (2,5-6,3-13-16-19-21-23-26-29-32-35-38) mm

A014/03-30S

€ 81,30

TAPER DRILLS SET

With cylindrical shank



Sizes	3-14 - 6-20 - 16-30,5 mm
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F430

€ 74,40

STEP DRILL BITS SET

For creating and enlarging holes in sheet metal



Stem	6 - 8 - 10 mm
Ø	4 ÷ 12 - 6 ÷ 20 - 6 ÷ 30 mm

F025

€ 6,50

SPARE PART POINT

Suitable with F232 F238



Stem	4 mm
Spare part point	Ø 2,5 mm

P037-

MILLING DRILLS

For drilling and milling of thin materials

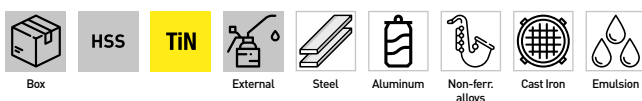


Art.	€	Ø	Stem	Total length
P037/6	€ 2,71	6 mm	6 mm	90 mm
P037/8	€ 4,06	8 mm	8 mm	90 mm

F005-

2 FLUTE STRAIGHT SHANK END MILL

DIN 327/D, for finish, cylindrical shank, weldon connection, normal series



Art.	€	D	d	l	Z	L
F005/03	€ 7,50	3 mm	6 mm	5 mm	2	49 mm
F005/04	€ 7,80	4 mm	6 mm	7 mm	2	51 mm
F005/05	€ 8,80	5 mm	6 mm	8 mm	2	52 mm
F005/06	€ 9,00	6 mm	6 mm	8 mm	2	52 mm
F005/08	€ 10,80	8 mm	10 mm	11 mm	2	61 mm
F005/10	€ 10,90	10 mm	10 mm	13 mm	2	63 mm
F005/12	€ 12,70	12 mm	12 mm	16 mm	2	73 mm

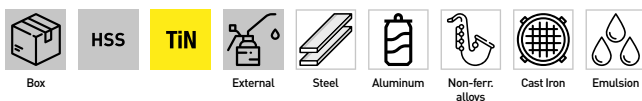


Art.	€	D	d	l	Z	L
F005/14	€ 17,00	14 mm	12 mm	16 mm	2	73 mm
F005/16	€ 25,20	16 mm	16 mm	19 mm	2	79 mm
F005/18	€ 26,20	18 mm	16 mm	19 mm	2	79 mm
F005/20	€ 35,50	20 mm	20 mm	22 mm	2	88 mm
F005/22	€ 44,00	22 mm	20 mm	22 mm	2	88 mm
F005/24	€ 49,90	24 mm	20 mm	26 mm	2	92 mm
F005/25	€ 54,00	25 mm	20 mm	26 mm	2	92 mm

F006-

4 FLUTE STRAIGHT SHANK END MILL

DIN 844 for finish, cylindrical shank, weldon connection, normal series



Art.	€	D	d	l	Z	L
F006/03	€ 7,80	3 mm	6 mm	8 mm	4	52 mm
F006/04	€ 7,80	4 mm	6 mm	11 mm	4	55 mm
F006/05	€ 8,90	5 mm	6 mm	13 mm	4	57 mm
F006/06	€ 9,00	6 mm	6 mm	13 mm	4	57 mm
F006/08	€ 11,30	8 mm	10 mm	19 mm	4	69 mm
F006/10	€ 11,90	10 mm	10 mm	22 mm	4	72 mm

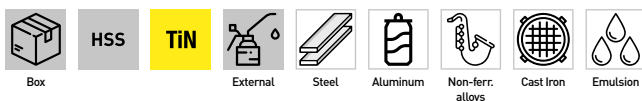


Art.	€	D	d	l	Z	L
F006/12	€ 15,40	12 mm	12 mm	26 mm	4	83 mm
F006/14	€ 15,40	14 mm	12 mm	26 mm	4	83 mm
F006/16	€ 22,60	16 mm	16 mm	32 mm	4	92 mm
F006/18	€ 22,80	18 mm	16 mm	32 mm	4	92 mm
F006/20	€ 31,90	20 mm	20 mm	38 mm	4	104 mm

F007-

4 FLUTE STRAIGHT SHANK ROUGHING END MILL

DIN 844/B, regular length weldon shank center cutting.



Art.	€	D	d	l	Z	L
F007/06	€ 12,70	6 mm	6 mm	13 mm	4	57 mm
F007/07	€ 12,70	7 mm	10 mm	16 mm	4	66 mm
F007/08	€ 14,00	8 mm	10 mm	19 mm	4	69 mm
F007/09	€ 16,30	9 mm	10 mm	19 mm	4	69 mm
F007/10	€ 16,30	10 mm	10 mm	22 mm	4	72 mm
F007/11	€ 16,30	11 mm	12 mm	22 mm	4	76 mm
F007/12	€ 16,30	12 mm	12 mm	26 mm	4	83 mm
F007/13	€ 17,50	13 mm	12 mm	26 mm	4	83 mm

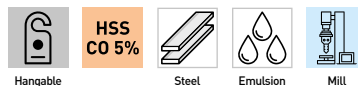


Art.	€	D	d	l	Z	L
F007/14	€ 17,50	14 mm	12 mm	26 mm	4	83 mm
F007/15	€ 22,10	15 mm	12 mm	26 mm	4	83 mm
F007/16	€ 22,10	16 mm	16 mm	32 mm	4	92 mm
F007/18	€ 30,30	18 mm	16 mm	32 mm	4	92 mm
F007/20	€ 41,10	20 mm	20 mm	38 mm	4	104 mm
F007/22	€ 47,10	22 mm	20 mm	38 mm	4	104 mm
F007/25	€ 52,10	25 mm	25 mm	45 mm	4	121 mm

P036-

SPOT DRILLS

DIN 1897/N, to remove welding spots and to drill metal sheets in general



Art.	€	Ø	Total length
P036/06	€ 5,90	6 mm	66 mm
P036/07	€ 8,40	7 mm	74 mm
P036/08	€ 8,90	8 mm	79 mm
P036/10	€ 9,90	10 mm	89 mm



F001/10

€ 228,00

SET FRONTAL ROUGHING END MILLS

DIN 844/B, regular length, center cutting, weldon shank.



F001/20

€ 228,00

SET END MILLS

DIN 844/B and DIN 327/D, two and four flute, regular length, weldon shank, center cutting.



10 Pcs

Wooden Box

HSS

TiN

External

Steel

Mill	Ø 6 8 10 12 14 16 18 20 22 25 mm
Stem	Ø 6 10 10 12 12 16 16 20 20 25 mm



20 Pcs

Wooden Box

HSS

TiN

External

Steel

2 Flute mill	Ø 3 - 4 - 5 - 6 - 8 - 10 - 12 - 14 - 18 - 20 mm
Stem	Ø 6 - 6 - 6 - 6 - 10 - 10 - 12 - 12 - 16 - 20 mm
4 Flute mill	Ø 3 - 4 - 5 - 6 - 8 - 10 - 12 - 14 - 18 - 20 mm
Stem	Ø 6 - 6 - 6 - 6 - 10 - 10 - 12 - 12 - 16 - 20 mm



HARD METAL ROTARY MILLING MACHINES

Cut type	Representation	Description
Standard Cut		Suitable for cutting steel, hardened steel, cast iron, weld seams and metal materials in general.
Cross cut		Suitable for treated steel, stainless steel, metal materials in general. Thanks to this type of cut, vibrations are considerably reduced.
Aluminium cutting		Suitable for aluminium, magnesium, plastics and hard rubber.

TYOLOGIES OF SHAPES AND THEIR USE

Cylindrical without frontal cut 	Cylindrical with frontal cut 	Spoked head cylinder 	Spherical
Oval 	Ogive with rounded tip 	Ogive 	With spoked lance
Spoked tip conical 	Conical pointed 	Conical Trunk 	90° conical
60° conical 			

AXSC SINGLE CUT ROTARY BURRS

Box

HM

Steel

Cast Iron

Dry

Axial grinder

Art.	€	D1	L1	D2	L2
A02SC3	€ 4,45	ø2 mm	10 mm	3 mm	38 mm
A06SC6	€ 12,40	ø6 mm	16 mm	6 mm	61 mm
A08SC6	€ 13,90	ø8 mm	20 mm	6 mm	65 mm
A10SC6	€ 17,30	ø10 mm	20 mm	6 mm	65 mm
A12SC6	€ 25,30	ø12 mm	25 mm	6 mm	70 mm
A16SC6	€ 39,50	ø16 mm	25 mm	6 mm	70 mm

AXDC DIAMOND CUT ROTARY BURRS

Box

HM

Steel

Stainless steel

Cast Iron

Dry

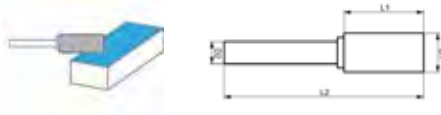
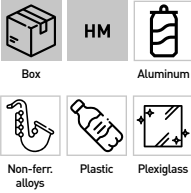
Art.	€	D1	L1	D2	L2
A02DC3	€ 4,45	ø2 mm	10 mm	3 mm	38 mm
A06DC6	€ 12,40	ø6 mm	16 mm	6 mm	61 mm
A08DC6	€ 13,90	ø8 mm	20 mm	6 mm	65 mm
A10DC6	€ 17,30	ø10 mm	20 mm	6 mm	65 mm
A12DC6	€ 25,30	ø12 mm	25 mm	6 mm	70 mm
A16DC6	€ 39,50	ø16 mm	25 mm	6 mm	70 mm



A12AL6

€ 29,20

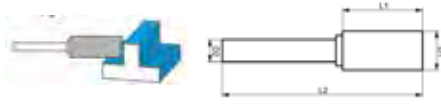
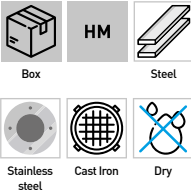
ROTARY BURRS FOR ALUMINIUM



D1	ø12 mm
L1	25 mm
D2	6 mm
L2	70 mm

BXDC

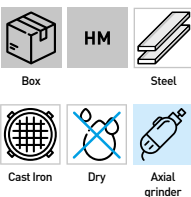
DIAMOND CUT ROTARY BURRS



Art.	€	D1	L1	D2	L2
B02DC3	€ 4,45	ø2 mm	10 mm	3 mm	38 mm
B03DC3	€ 4,45	ø3 mm	13 mm	3 mm	38 mm
B04DC3	€ 9,40	ø4 mm	13 mm	3 mm	41 mm
B04DC6	€ 9,90	ø4 mm	13 mm	6 mm	58 mm
B06DC6	€ 12,40	ø6 mm	16 mm	6 mm	61 mm
B08DC6	€ 13,90	ø8 mm	20 mm	6 mm	65 mm
B10DC6	€ 17,30	ø10 mm	20 mm	6 mm	65 mm
B12DC6	€ 25,30	ø12 mm	25 mm	6 mm	70 mm
B16DC6	€ 39,50	ø16 mm	25 mm	6 mm	70 mm
B19DC6	€ 57,40	ø19 mm	25 mm	6 mm	70 mm
B22DC6	€ 88,10	ø22 mm	25 mm	6 mm	70 mm
B25DC6	€ 102,00	ø25 mm	25 mm	6 mm	70 mm

BXSCXL

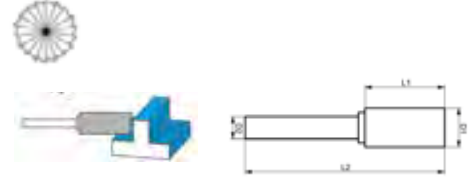
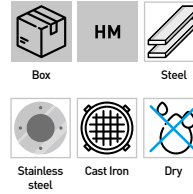
SINGLE CUT LONG ROTARY BURRS



Art.	€	D1	L1	D2	L2
B02SC3L	€ 5,80	ø2 mm	10 mm	3 mm	65 mm
B03SC3L	€ 5,80	ø3 mm	13 mm	3 mm	65 mm
B08SC6L	€ 17,80	ø8 mm	20 mm	6 mm	120 mm
B10SC6L	€ 22,30	ø10 mm	20 mm	6 mm	120 mm
B12SC6L	€ 27,20	ø12 mm	25 mm	6 mm	120 mm

BXSC

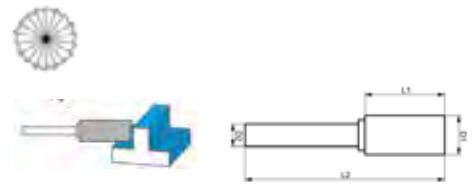
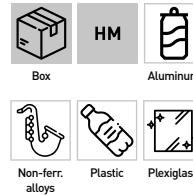
SINGLE CUT ROTARY BURRS



Art.	€	D1	L1	D2	L2
B02SC3	€ 4,45	ø2 mm	10 mm	3 mm	38 mm
B03SC3	€ 4,45	ø3 mm	13 mm	3 mm	38 mm
B04SC3	€ 9,40	ø4 mm	13 mm	3 mm	41 mm
B04SC6	€ 9,90	ø4 mm	13 mm	6 mm	58 mm
B06SC6	€ 12,40	ø6 mm	16 mm	6 mm	61 mm
B08SC6	€ 13,90	ø8 mm	20 mm	6 mm	65 mm
B10SC6	€ 17,30	ø10 mm	20 mm	6 mm	65 mm
B12SC6	€ 25,30	ø12 mm	25 mm	6 mm	70 mm
B16SC6	€ 39,50	ø16 mm	25 mm	6 mm	70 mm

BXAL

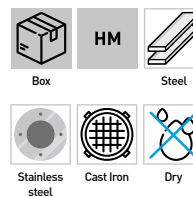
ROTARY BURRS FOR ALUMINIUM



Art.	€	D1	L1	D2	L2
B06AL6	€ 14,40	ø6 mm	16 mm	6 mm	61 mm
B08AL6	€ 16,40	ø8 mm	20 mm	6 mm	65 mm
B10AL6	€ 19,80	ø10 mm	20 mm	6 mm	65 mm
B12AL6	€ 28,70	ø12 mm	25 mm	6 mm	70 mm

BXDCXL

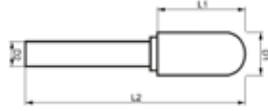
CARBIDE ROTARY BURRS



Art.	€	D1	L1	D2	L2
B02DC3L	€ 5,80	ø2 mm	10 mm	3 mm	65 mm
B03DC3L	€ 5,80	ø3 mm	13 mm	3 mm	65 mm
B08DC6L	€ 17,80	ø8 mm	20 mm	6 mm	120 mm
B10DC6L	€ 22,30	ø10 mm	20 mm	6 mm	120 mm
B12DC6L	€ 27,20	ø12 mm	25 mm	6 mm	120 mm

CXSC

SINGLE CUT ROTARY BURRS



Art.	€	D1	L1	D2	L2
C02SC3	€ 4,45	ø2 mm	10 mm	3 mm	38 mm
C03SC3	€ 4,45	ø3 mm	13 mm	3 mm	38 mm
C04SC3	€ 9,40	ø4 mm	13 mm	3 mm	58 mm
C04SC6	€ 9,90	ø4 mm	13 mm	6 mm	58 mm
C06SC6	€ 12,40	ø6 mm	16 mm	6 mm	61 mm
C08SC6	€ 13,90	ø8 mm	20 mm	6 mm	65 mm
C10SC6	€ 17,30	ø10 mm	20 mm	6 mm	65 mm
C12SC6	€ 25,30	ø12 mm	25 mm	6 mm	70 mm
C16SC6	€ 39,50	ø16 mm	25 mm	6 mm	70 mm

CXAL

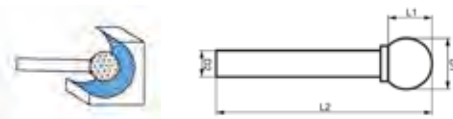
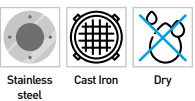
ROTARY BURRS FOR ALUMINIUM



Art.	€	D1	L1	D2	L2
C06AL6	€ 13,90	ø6 mm	16 mm	6 mm	61 mm
C08AL6	€ 16,40	ø8 mm	20 mm	6 mm	65 mm
C10AL6	€ 19,80	ø10 mm	20 mm	6 mm	65 mm
C12AL6	€ 28,70	ø12 mm	25 mm	6 mm	70 mm

DXDC

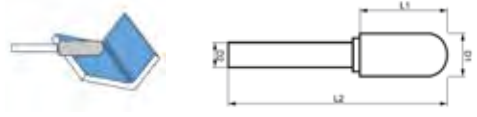
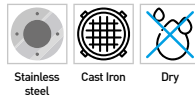
DIAMOND CUT ROTARY BURRS



Art.	€	D1	L1	D2	L2
D03DC3	€ 4,45	ø3 mm	2.7 mm	3 mm	38 mm
D04DC6	€ 9,90	ø4 mm	3.6 mm	6 mm	38 mm
D06DC6	€ 9,90	ø6 mm	5.4 mm	6 mm	50 mm
D08DC6	€ 10,90	ø8 mm	7.2 mm	6 mm	52 mm
D10DC6	€ 14,40	ø10 mm	9 mm	6 mm	54 mm
D12DC6	€ 20,30	ø12 mm	10.8 mm	6 mm	56 mm
D16DC6	€ 27,70	ø16 mm	14.4 mm	6 mm	60 mm
D19DC6	€ 57,40	ø19 mm	17.4 mm	6 mm	64 mm

CXDC

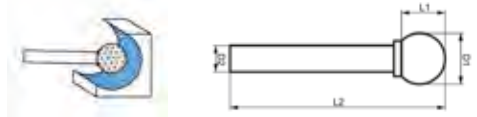
DIAMOND CUT ROTARY BURRS



Art.	€	D1	L1	D2	L2
C02DC3	€ 4,45	ø2 mm	10 mm	3 mm	38 mm
C03DC3	€ 4,45	ø3 mm	13 mm	3 mm	38 mm
C04DC3	€ 9,40	ø4 mm	13 mm	3 mm	38 mm
C04DC6	€ 9,90	ø4 mm	13 mm	6 mm	38 mm
C06DC6	€ 12,40	ø6 mm	16 mm	6 mm	61 mm
C08DC6	€ 13,90	ø8 mm	20 mm	6 mm	65 mm
C10DC6	€ 17,30	ø10 mm	20 mm	6 mm	65 mm
C12DC6	€ 25,30	ø12 mm	25 mm	6 mm	70 mm
C16DC6	€ 39,50	ø16 mm	25 mm	6 mm	70 mm
C19DC6	€ 57,40	ø19 mm	25 mm	6 mm	70 mm
C22DC6	€ 88,10	ø22 mm	25 mm	6 mm	70 mm
C25DC6	€ 102,00	ø25 mm	25 mm	6 mm	70 mm

DXSC

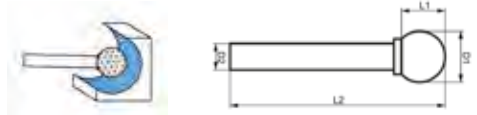
SINGLE CUT ROTARY BURRS



Art.	€	D1	L1	D2	L2
D03SC3	€ 4,45	ø3 mm	2.7 mm	3 mm	38 mm
D04SC6	€ 9,90	ø4 mm	3.6 mm	6 mm	38 mm
D06SC6	€ 9,90	ø6 mm	5.4 mm	6 mm	50 mm
D08SC6	€ 10,90	ø8 mm	7.2 mm	6 mm	52 mm
D10SC6	€ 14,40	ø10 mm	9 mm	6 mm	54 mm
D12SC6	€ 20,30	ø12 mm	10.8 mm	6 mm	56 mm
D16SC6	€ 27,70	ø16 mm	14.4 mm	6 mm	60 mm

DXAL

ROTARY BURRS FOR ALUMINIUM

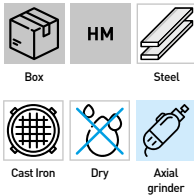


Art.	€	D1	L1	D2	L2
D06AL6	€ 11,40	ø6 mm	5.4 mm	6 mm	50 mm
D08AL6	€ 11,90	ø8 mm	7.2 mm	6 mm	52 mm
D10AL6	€ 16,90	ø10 mm	9 mm	6 mm	54 mm



EXSC

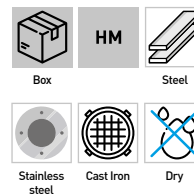
SINGLE CUT ROTARY BURRS



Art.	€	D1	L1	D2	L2
E08SC6	€ 13,90	ø8 mm	13 mm	6 mm	58 mm
E10SC6	€ 17,30	ø10 mm	16 mm	6 mm	61 mm
E12SC6	€ 25,30	ø12 mm	20 mm	6 mm	65 mm
E16SC6	€ 39,50	ø16 mm	25 mm	6 mm	70 mm

EXDC

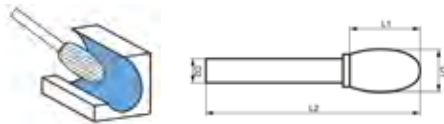
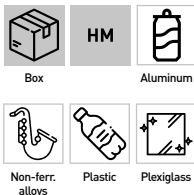
DIAMOND CUT ROTARY BURRS



Art.	€	D1	L1	D2	L2
E08DC6	€ 13,90	ø8 mm	13 mm	6 mm	58 mm
E10DC6	€ 17,30	ø10 mm	16 mm	6 mm	61 mm
E12DC6	€ 25,30	ø12 mm	20 mm	6 mm	65 mm
E16DC6	€ 39,50	ø16 mm	25 mm	6 mm	70 mm

EXAL

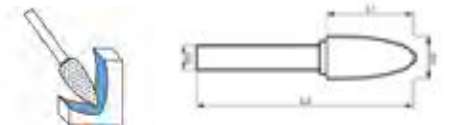
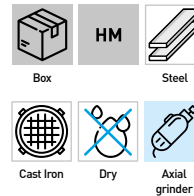
ROTARY BURRS FOR ALUMINIUM



Art.	€	D1	L1	D2	L2
E10AL6	€ 19,80	10 mm	16 mm	6 mm	61 mm
E12AL6	€ 29,20	12 mm	20 mm	6 mm	65 mm

FXSC

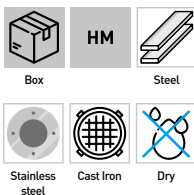
SINGLE CUT ROTARY BURRS



Art.	€	D1	D2	L1	L2
F03SC3	€ 4,45	ø3 mm	13 mm	3 mm	38 mm
F06SC6	€ 12,40	ø6 mm	18 mm	6 mm	63 mm
F08SC6	€ 13,90	ø8 mm	20 mm	6 mm	65 mm
F10SC6	€ 17,30	ø10 mm	20 mm	6 mm	65 mm
F12SC6	€ 25,30	ø12 mm	25 mm	6 mm	70 mm

FXDC

DIAMOND CUT ROTARY BURRS



Art.	€	D1	D2	L1	L2
F03DC3	€ 4,45	ø3 mm	13 mm	3 mm	38 mm
F06DC6	€ 12,40	ø6 mm	18 mm	6 mm	63 mm
F08DC6	€ 13,90	ø8 mm	20 mm	6 mm	65 mm
F10DC6	€ 17,30	ø10 mm	20 mm	6 mm	65 mm
F12DC6	€ 25,30	ø12 mm	25 mm	6 mm	70 mm
F16DC6	€ 39,50	ø16 mm	25 mm	6 mm	70 mm
F19DC6	€ 57,40	ø19 mm	25 mm	6 mm	70 mm

FXAL

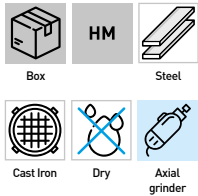
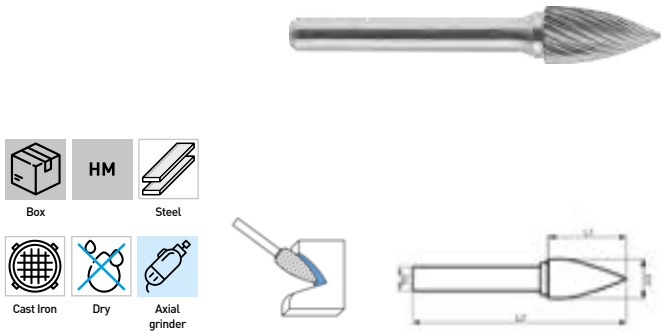
ROTARY BURRS FOR ALUMINIUM



Art.	€	D1	L1	D2	L2
F10AL6	€ 19,80	ø10 mm	20 mm	6 mm	65 mm
F12AL6	€ 29,20	ø12 mm	25 mm	6 mm	70 mm

GXSC

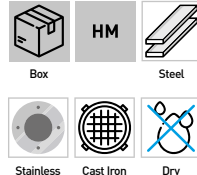
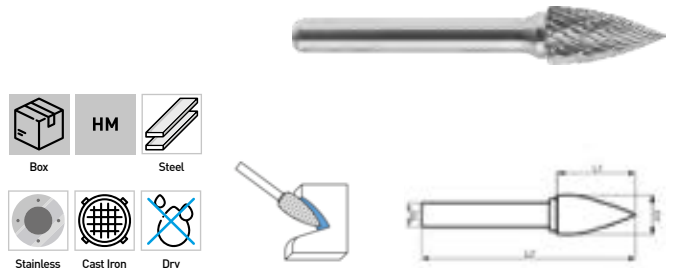
SINGLE CUT ROTARY BURRS



Art.	€	D1	L1	D2	L2
G03SC3	€ 4,45	ø3 mm	13 mm	3 mm	38 mm
G06SC6	€ 12,40	ø6 mm	18 mm	6 mm	65 mm
G10SC6	€ 17,30	ø10 mm	20 mm	6 mm	65 mm
G12SC6	€ 25,30	ø12 mm	25 mm	6 mm	70 mm

GXDC

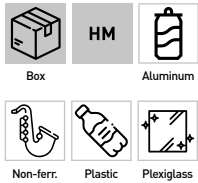
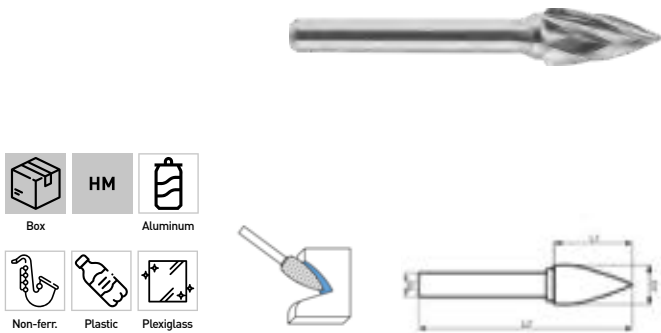
DIAMOND CUT ROTARY BURRS



Art.	€	D1	L1	D2	L2
G03DC3	€ 4,45	ø3 mm	13 mm	3 mm	38 mm
G06DC6	€ 12,40	ø6 mm	18 mm	6 mm	65 mm
G10DC6	€ 17,30	ø10 mm	20 mm	6 mm	65 mm
G12DC6	€ 25,30	ø12 mm	25 mm	6 mm	70 mm
G16DC6	€ 39,50	ø16 mm	25 mm	6 mm	70 mm
G19DC6	€ 57,40	ø19 mm	25 mm	6 mm	70 mm

GXAL

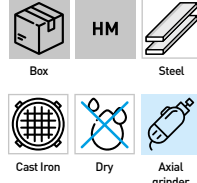
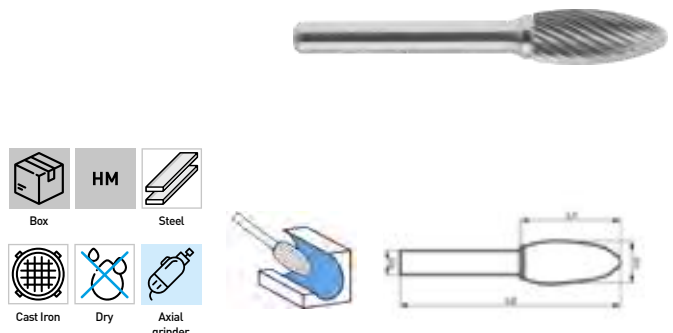
ROTARY BURRS FOR ALUMINIUM



Art.	€	D1	L1	D2	L2
G10AL6	€ 19,80	ø10 mm	20 mm	6 mm	65 mm
G12AL6	€ 29,20	ø12 mm	25 mm	6 mm	70 mm

HXSC

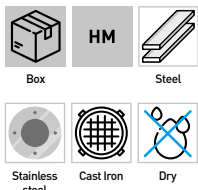
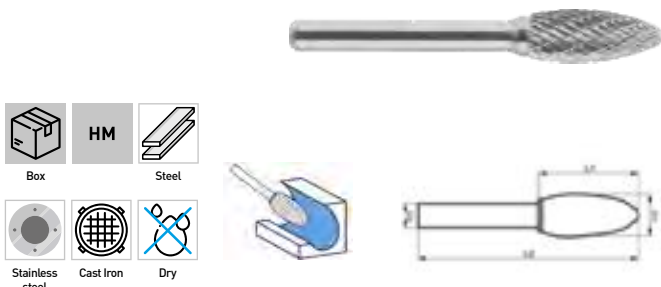
SINGLE CUT ROTARY BURRS



Art.	€	D1	L1	D2	L2
H08SC6	€ 13,40	ø8 mm	20 mm	6 mm	65 mm
H10SC6	€ 15,30	ø10 mm	25 mm	6 mm	70 mm
H12SC6	€ 28,70	ø12 mm	32 mm	6 mm	77 mm

HXDC

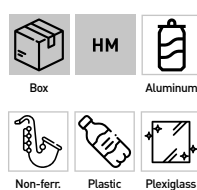
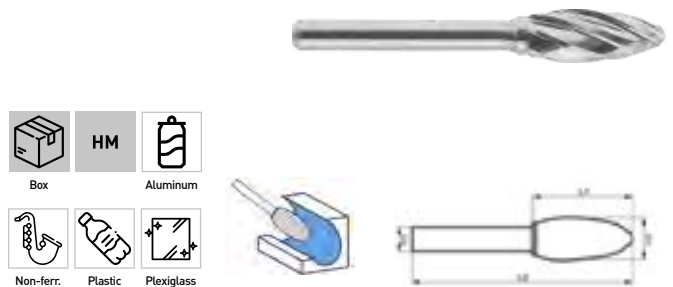
DIAMOND CUT ROTARY BURRS



Art.	€	D1	D2	L1	L2
H06DC6	€ 12,40	ø6 mm	16 mm	6 mm	61 mm
H08DC6	€ 13,40	ø8 mm	20 mm	6 mm	65 mm
H10DC6	€ 15,30	ø10 mm	25 mm	6 mm	70 mm
H12DC6	€ 28,70	ø12 mm	32 mm	6 mm	77 mm

HXAL

ROTARY BURRS FOR ALUMINIUM

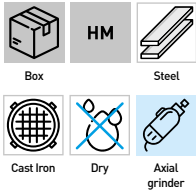


Art.	€	D1	D2	L1	L2
H08AL6	€ 15,30	ø8 mm	20 mm	6 mm	65 mm
H10AL6	€ 19,80	ø10 mm	25 mm	6 mm	70 mm
H12AL6	€ 33,60	ø12 mm	32 mm	6 mm	77 mm



LXSC

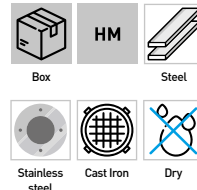
SINGLE CUT ROTARY BURRS



Art.	€	D1	L1	D2	L2
L03SC3	€ 4,45	ø3 mm	13 mm	3 mm	38 mm
L06SC6	€ 12,40	ø6 mm	16 mm	6 mm	61 mm

LXDC

DIAMOND CUT ROTARY BURRS

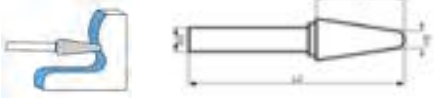
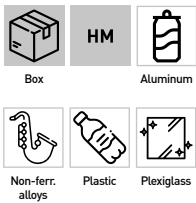


Art.	€	D1	L1	D2	L2
L03DC3	€ 4,45	ø3 mm	13 mm	3 mm	38 mm
L06DC6	€ 12,40	ø6 mm	16 mm	6 mm	61 mm
L08DC6	€ 14,80	ø8 mm	22 mm	6 mm	65 mm
L10DC6	€ 18,80	ø10 mm	25 mm	6 mm	70 mm
L12DC6	€ 25,30	ø12 mm	25 mm	6 mm	70 mm

L10AL6

€ 19,80

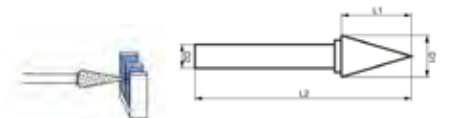
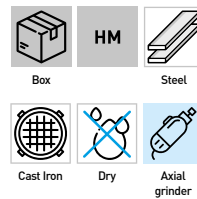
ROTARY BURRS FOR ALUMINIUM



D1	ø10 mm
L1	25 mm
D2	6 mm
L2	70 mm

MXSC

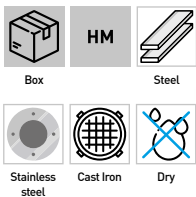
SINGLE CUT ROTARY BURRS



Art.	€	D1	L1	D2	L2
M08SC6	€ 13,90	ø8 mm	20 mm	6 mm	65 mm
M10SC6	€ 17,80	ø10 mm	20 mm	6 mm	65 mm
M12SC6	€ 25,30	ø12 mm	25 mm	6 mm	70 mm

MXDC

DIAMOND CUT ROTARY BURRS

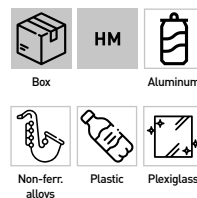


Art.	€	D1	L1	D2	L2
M03DC3	€ 4,45	ø3 mm	11 mm	3 mm	38 mm
M03DC6	€ 8,30	ø3 mm	11 mm	6 mm	38 mm
M06DC6	€ 12,40	ø6 mm	18 mm	6 mm	60 mm
M08DC6	€ 13,90	ø8 mm	20 mm	6 mm	65 mm
M10DC6	€ 17,80	ø10 mm	20 mm	6 mm	65 mm
M12DC6	€ 25,30	ø12 mm	25 mm	6 mm	70 mm
M16DC6	€ 39,50	ø16 mm	25 mm	6 mm	70 mm

M10AL6

€ 18,80

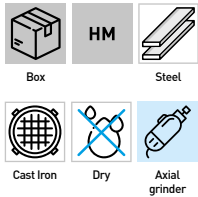
ROTARY BURRS FOR ALUMINIUM



D1	ø10 mm
L1	20 mm
D2	6 mm
L2	65 mm

NXSC

SINGLE CUT ROTARY BURRS

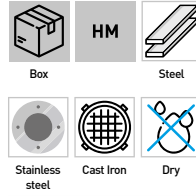


Art.	€	D1	L1	D2	L2
N12SC6	€ 25,30	ø12 mm	13 mm	6 mm	58 mm
N16SC6	€ 35,60	ø16 mm	16 mm	6 mm	58 mm

N12DC6

€ 25,30

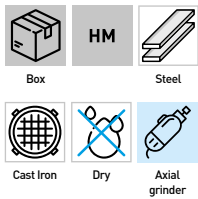
DIAMOND CUT ROTARY BURRS



D1	ø12 mm
L1	13 mm
D2	6 mm
L2	58 mm

JXSC

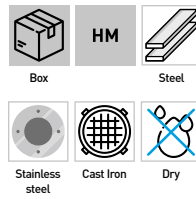
SINGLE CUT ROTARY BURRS



Art.	€	D1	L1	D2	L2
J03SC3	€ 4,45	ø3 mm	2.5 mm	3 mm	38 mm
J06SC6	€ 12,40	ø6 mm	5.2 mm	6 mm	54 mm
J10SC6	€ 17,30	ø10 mm	8 mm	6 mm	58 mm
J16SC6	€ 39,50	ø16 mm	13 mm	6 mm	62 mm

JXDC

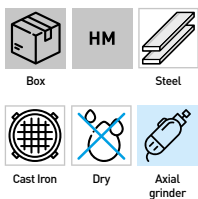
DIAMOND CUT ROTARY BURRS



Art.	€	D1	L1	D2	L2
J03DC3	€ 4,45	ø3 mm	2.5 mm	3 mm	38 mm
J06DC6	€ 12,40	ø6 mm	5.2 mm	6 mm	54 mm
J10DC6	€ 17,30	ø10 mm	8 mm	6 mm	58 mm
J16DC6	€ 39,50	ø16 mm	13 mm	6 mm	62 mm

KXSC

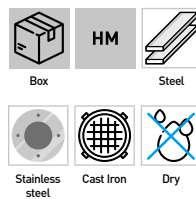
SINGLE CUT ROTARY BURRS



Art.	€	D1	L1	D2	L2
K10SC6	€ 17,30	ø10 mm	5 mm	6 mm	54 mm
K16SC6	€ 35,60	ø16 mm	8 mm	6 mm	58 mm

KXDC

DIAMOND CUT ROTARY BURRS



Art.	€	D1	L1	D2	L2
K10DC6	€ 17,30	ø10 mm	5 mm	6 mm	54 mm
K16DC6	€ 35,60	ø16 mm	8 mm	6 mm	58 mm

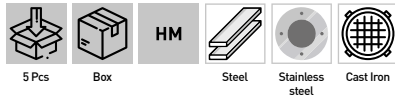


F008DC

€ 64,30

HARD METAL ROTARY BURR SET

With diamond cut.



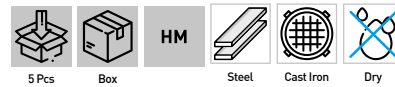
Sizes	10 x 20 mm
Type	B, C, D, G, M
Stem	6 mm

F008SC

€ 64,30

HARD METAL ROTARY BURR SET

With single cut.

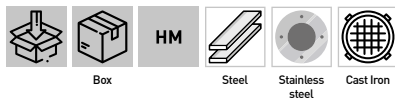


Sizes	10 x 20 mm
Type	B, C, D, G, M
Stem	6 mm

F008-

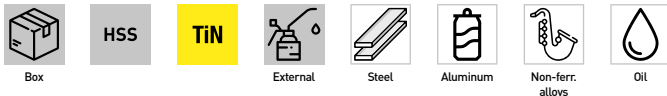
CARBIDE ROTARY FILE SET

Cross cut



Art.	€	Stem
F008/3	€ 60,00	Ø 3 mm
F008/6	€ 102,00	Ø 6 mm

C003-
DISC TYPE GEAR SHAPER CUTTER

 DIN 1829, nominal ϕ 100 mm hole 44,45 mm 20° angle pressure class a.


Art.	€	Module	ϕ max	ϕ d0	Height b1	Teeth
C003/1	€ 328,00	1,00	102 mm	100 mm	16 mm	100
C003/1.25	€ 328,00	1,25	105 mm	100 mm	16 mm	80
C003/1.50	€ 356,00	1,50	107 mm	102 mm	18 mm	68
C003/1.75	€ 385,00	1,75	107,4 mm	101,5 mm	20 mm	58
C003/2	€ 385,00	2,00	107,31 mm	100 mm	20 mm	50
C003/2.25	€ 385,00	2,25	109,29 mm	101,25 mm	20 mm	45
C003/2.50	€ 440,00	2,50	108,46 mm	100 mm	20 mm	40
C003/2.75	€ 440,00	2,75	108,36 mm	99 mm	24 mm	36
C003/3	€ 440,00	3,00	111,82 mm	99 mm	24 mm	33
C003/3.25	€ 483,00	3,25	110,99 mm	99 mm	24 mm	31
C003/3.50	€ 483,00	3,50	108,72 mm	101,5 mm	24 mm	29
C003/3.75	€ 483,00	3,75	112,35 mm	101,5 mm	24 mm	27
C003/4	€ 483,00	4,00	111,75 mm	100 mm	24 mm	25
C003/4.25	€ 514,00	4,25	114,12 mm	102 mm	24 mm	24
C003/4.50	€ 514,00	4,50	111,65 mm	99 mm	24 mm	22
C003/5	€ 524,00	5,00	114,05 mm	100 mm	24 mm	20
C003/5.50	€ 556,00	5,50	119,96 mm	99 mm	24 mm	18
C003/6	€ 556,00	6,00	118,86 mm	102 mm	24 mm	17
C003/6.50	€ 697,00	6,50	122,5 mm	112 mm	24 mm	16
C003/7	€ 811,00	7,00	127 mm	105 mm	24 mm	15
C003/8	€ 911,00	8,00	135 mm	112 mm	24 mm	14
C003/10	€ 1250,00	10,00	168 mm	140 mm	24 mm	14

C001-
GEAR HOB 20° PRESSURE ANGLE

DIN 8002/B, ground profile class a.



Art.	€	Module	Diameter ϕ	Length	Hole
C001/1	€ 362,00	1,00	50 mm	31 mm	22 mm
C001/1.25	€ 362,00	1,25	50 mm	31 mm	22 mm
C001/1.50	€ 362,00	1,50	53 mm	50 mm	22 mm
C001/1.75	€ 362,00	1,75	56 mm	38 mm	22 mm
C001/2	€ 373,00	2,00	63 mm	46 mm	27 mm
C001/2.25	€ 431,00	2,25	70 mm	56 mm	27 mm
C001/2.50	€ 431,00	2,50	71 mm	63 mm	27 mm
C001/2.75	€ 431,00	2,75	70 mm	56 mm	27 mm
C001/3	€ 524,00	3,00	80 mm	71 mm	32 mm
C001/3.25	€ 611,00	3,25	80 mm	69 mm	32 mm
C001/3.50	€ 636,00	3,50	80 mm	71 mm	32 mm
C001/3.75	€ 729,00	3,75	90 mm	78 mm	32 mm
C001/4	€ 729,00	4,00	90 mm	78 mm	32 mm
C001/4.25	€ 794,00	4,25	90 mm	78 mm	32 mm
C001/4.50	€ 794,00	4,50	90 mm	78 mm	32 mm
C001/5	€ 794,00	5,00	100 mm	88 mm	32 mm
C001/5.50	€ 794,00	5,50	100 mm	88 mm	32 mm
C001/6	€ 1050,00	6,00	110 mm	108 mm	40 mm
C001/6.50	€ 1110,00	6,50	110 mm	109 mm	40 mm
C001/7	€ 1110,00	7,00	110 mm	110 mm	40 mm
C001/8	€ 1750,00	8,00	125 mm	130 mm	40 mm
C001/9	€ 1990,00	9,00	125 mm	140 mm	40 mm
C001/10	€ 2690,00	10,00	140 mm	160 mm	40 mm
C001/12	€ 3860,00	12,00	170 mm	195 mm	50 mm
C001/13	€ 4060,00	13,00	180 mm	210 mm	50 mm



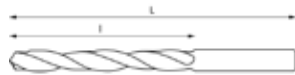
P049-

MASONRY DRILL

DIN 8039, short series, cylindrical attachment, carbide tipped for masonry drill



C45



Bricks

Concrete

Stones

Ceramic

Drywall

Percussion

Portable Drill

Art.	€	ø	L	l	Stem	Pack
P049/03	€ 0,41	3 mm	70 mm	40 mm	ø 2,5 mm	10
P049/04	€ 0,43	4 mm	75 mm	40 mm	ø 3,5 mm	10
P049/05	€ 0,47	5 mm	85 mm	40 mm	ø 4,5 mm	10
P049/06	€ 0,53	6 mm	100 mm	55 mm	ø 4,5 mm	10
P049/07	€ 0,76	7 mm	100 mm	55 mm	ø 6,5 mm	10
P049/08	€ 0,83	8 mm	120 mm	70 mm	ø 6,5 mm	10
P049/09	€ 0,97	9 mm	120 mm	70 mm	ø 6,5 mm	10
P049/10	€ 1,10	10 mm	120 mm	70 mm	ø 7 mm	10
P049/11	€ 1,85	11 mm	150 mm	90 mm	ø 7 mm	10
P049/12	€ 1,87	12 mm	150 mm	90 mm	ø 9 mm	10
P049/13	€ 2,11	13 mm	150 mm	90 mm	ø 9 mm	5
P049/14	€ 2,38	14 mm	150 mm	90 mm	ø 11 mm	5
P049/15	€ 3,08	15 mm	150 mm	90 mm	ø 12 mm	5
P049/16	€ 3,11	16 mm	150 mm	90 mm	ø 12 mm	5
P049/18	€ 5,60	18 mm	160 mm	100 mm	ø 13 mm	5
P049/22	€ 8,00	22 mm	160 mm	100 mm	ø 13 mm	5
P049/24	€ 9,50	24 mm	160 mm	100 mm	ø 13 mm	5

P051-

CARBIDE DRILL FOR GRANITE AND MARBLE

DIN 8039, cylindrical attachment, specific for drilling marble and granite with hard metal insert for rotary percussion



C45

HM



Granite

Marble

Percussion

Portable Drill

Art.	€	ø	L	l	Stem	Pack
P051/03	€ 2,74	3 mm	70 mm	40 mm	ø 2,5 mm	10
P051/04	€ 2,77	4 mm	75 mm	40 mm	ø 3,5 mm	10
P051/05	€ 3,09	5 mm	85 mm	40 mm	ø 4,5 mm	10
P051/06	€ 3,39	6 mm	100 mm	55 mm	ø 5,5 mm	10
P051/07	€ 3,39	7 mm	100 mm	55 mm	ø 5,5 mm	10
P051/08	€ 3,80	8 mm	120 mm	70 mm	ø 6,5 mm	5
P051/09	€ 4,05	9 mm	120 mm	70 mm	ø 8 mm	5
P051/10	€ 4,72	10 mm	120 mm	70 mm	ø 9 mm	5
P051/12	€ 5,50	12 mm	150 mm	90 mm	ø 10 mm	5
P051/14	€ 7,00	14 mm	150 mm	90 mm	ø 12 mm	5
P051/16	€ 7,90	16 mm	150 mm	90 mm	ø 12 mm	5

P050-

MASONRY DRILL

DIN 8039, long series, cylindrical attachment, carbide tipped for masonry drill



C45



Bricks

Concrete

Stones

Ceramic

Drywall

Percussion

Portable Drill

Art.	€	ø	L	l	Stem	Pack
P050/06	€ 1,99	6 mm	400 mm	240 mm	ø 4,5 mm	5
P050/08	€ 2,32	8 mm	400 mm	240 mm	ø 7 mm	5
P050/09	€ 2,84	9 mm	400 mm	240 mm	ø 7 mm	5
P050/10	€ 3,39	10 mm	400 mm	240 mm	ø 7 mm	5
P050/12	€ 4,72	12 mm	400 mm	240 mm	ø 9 mm	5
P050/14	€ 5,70	14 mm	400 mm	240 mm	ø 10 mm	5
P050/16	€ 6,40	16 mm	400 mm	240 mm	ø 12 mm	5
P050/18	€ 7,80	18 mm	400 mm	240 mm	ø 12,5 mm	5
P050/20	€ 9,90	20 mm	400 mm	240 mm	ø 12,5 mm	5

P063-

CARBIDE TIPPED SDS PLUS SHANK TYPE HAMMER TWIST DRILL

2 edges, with attack sds plus, double helix to facilitate the release of debris, with hard metal insert



HM

40 Cr



Bricks

Concrete

Stones

Ceramic

Drywall

Percussion

Portable Drill

Art.	€	Size	Pack
P063/5110	€ 3,17	5 x 110 mm	10
P063/6110	€ 3,17	6 x 110 mm	10
P063/6160	€ 3,17	6 x 160 mm	10
P063/8110	€ 3,17	8 x 110 mm	10
P063/8160	€ 3,17	8 x 160 mm	10
P063/9160	€ 3,17	9 x 160 mm	10
P063/10160	€ 3,81	10 x 160 mm	10
P063/12160	€ 3,81	12 x 160 mm	10
P063/12300	€ 4,43	12 x 300 mm	10
P063/14160	€ 4,43	14 x 160 mm	10
P063/14300	€ 4,43	14 x 300 mm	10
P063/15160	€ 5,10	15 x 160 mm	10
P063/16160	€ 5,10	16 x 160 mm	10
P063/16300	€ 5,10	16 x 300 mm	10
P063/16450	€ 9,50	16 x 450 mm	5
P063/18160	€ 7,00	18 x 160 mm	5
P063/18300	€ 7,00	18 x 300 mm	5
P063/18450	€ 10,40	18 x 450 mm	5
P063/20160	€ 7,00	20 x 160 mm	5
P063/20450	€ 10,40	20 x 450 mm	5
P063/22450	€ 12,30	22 x 450 mm	5
P063/24450	€ 13,90	24 x 450 mm	5



0332

€ 33,90

CARBIDE TIPPED HAMMER TWIST DRILL AND CHISEL SET

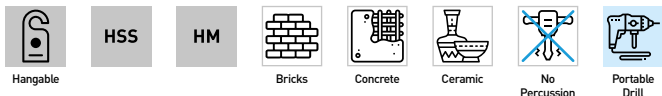
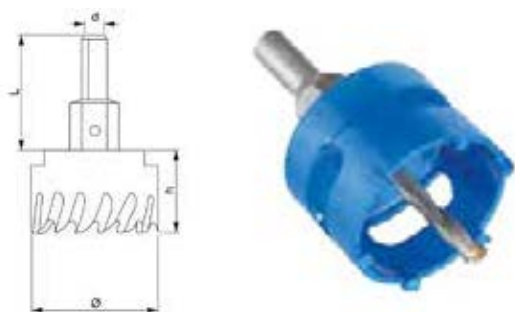
With attack sds plus, consisting of 9 twist drills: Ø4 x 110mm Ø5 x 110mm Ø6 x 110mm Ø5 x 160mm Ø6 x 160mm Ø8 x 160mm Ø9 x 160mm Ø10 x 160mm Ø12 x 160mm, 1 bit holder, 1 flat chisel and 1 point chisel.



P076-

CARBIDE TIPPED MASONRY CORE DRILL BIT HOLE SAW

For drilling medium and large holes in the wall



Art.	€	ø	d	Thread	Z	L	Boring bit
P076/016	€ 14,40	16 mm	10 mm	M12 x 1.25	2	46 mm	ø6 x 69 mm
P076/022	€ 15,40	22 mm	10 mm	M12 x 1.25	3	46 mm	ø6 x 69 mm
P076/025	€ 19,50	25 mm	10 mm	M12 x 1.25	3	46 mm	ø6 x 69 mm
P076/027	€ 20,60	27 mm	10 mm	M12 x 1.25	4	46 mm	ø6 x 69 mm
P076/030	€ 21,60	30 mm	10 mm	M12 x 1.25	4	46 mm	ø6 x 69 mm
P076/035	€ 22,10	35 mm	10 mm	M12 x 1.25	4	46 mm	ø6 x 69 mm
P076/038	€ 24,60	38 mm	10 mm	M12 x 1.25	4	46 mm	ø6 x 69 mm
P076/040	€ 27,20	40 mm	10 mm	M12 x 1.25	5	46 mm	ø6 x 69 mm
P076/045	€ 29,30	45 mm	10 mm	M12 x 1.25	5	46 mm	ø6 x 69 mm
P076/050	€ 30,80	50 mm	10 mm	M12 x 1.25	6	46 mm	ø6 x 69 mm
P076/055	€ 34,90	55 mm	12 mm	M16 x 1.5	6	46 mm	ø8 x 69 mm
P076/060	€ 37,00	60 mm	12 mm	M16 x 1.5	7	46 mm	ø8 x 69 mm
P076/065	€ 41,00	65 mm	12 mm	M16 x 1.5	7	46 mm	ø8 x 69 mm
P076/070	€ 51,40	70 mm	12 mm	M16 x 1.5	8	46 mm	ø8 x 69 mm
P076/080	€ 58,50	80 mm	12 mm	M16 x 1.5	8	46 mm	ø8 x 69 mm
P076/085	€ 66,30	85 mm	12 mm	M16 x 1.5	9	46 mm	ø8 x 69 mm
P076/090	€ 77,00	90 mm	12 mm	M16 x 1.5	9	46 mm	ø8 x 69 mm
P076/095	€ 78,00	95 mm	12 mm	M16 x 1.5	10	46 mm	ø8 x 69 mm
P076/100	€ 83,70	100 mm	12 mm	M16 x 1.5	11	46 mm	ø8 x 69 mm
P076/110	€ 98,60	110 mm	12 mm	M16 x 1.5	11	46 mm	ø8 x 69 mm
P076/125	€ 109,00	125 mm	12 mm	M16 x 1.5	12	46 mm	ø8 x 69 mm
P076/150	€ 139,00	150 mm	12 mm	M16 x 1.5	15	46 mm	ø8 x 69 mm

P076-GX400

LONG ARBOR FOR HOLE CUTTERS FOR MASONRY

For item P076-



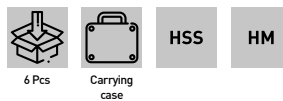
Art.	€	d	L	Thread	Sizes
P076/G12400	€ 20,60	10 mm	400 mm	M12 x 1.25	16-50
P076/G16400	€ 30,30	12 mm	400 mm	M16 x 1.5	55-150

P076/006S

€ 138,00

CARBIDE TIPPED MASONRY CORE DRILL BIT HOLE SAW SET

For drilling medium and large holes in the wall



Sizes 16 mm - 22 mm - 25 mm - 27 mm - 30 mm - 35 mm

P076/008S

€ 203,00

CARBIDE TIPPED MASONRY CORE DRILL BIT HOLE SAW SET

For drilling medium and large holes in the wall



Sizes 16 mm - 22 mm - 25 mm - 27 mm - 30 mm - 35 mm - 40 mm - 45 mm

P076-GX

ARBOR FOR CARBIDE TIPPED MASONRY CORE DRILLS BIT HOLE SAW

For item P076-



Art.	€	d	L	Thread	Sizes
P076/G12	€ 3,60	10 mm	46 mm	M12 x 1.25	16-50
P076/G16	€ 4,82	12 mm	46 mm	M16 x 1.5	55-150

P076-PX

CARBIDE TIPPED PILOT DRILL FOR HOLE CUTTERS FOR MASONRY

For item P076-



Art.	€	ø	Total length	Sizes	Pack
P076/P12	€ 1,54	6 mm	69 mm	16-50	10
P076/P16	€ 2,06	8 mm	69 mm	55-150	10



P031-

DIAMOND DRILL BITS AND CORE DRILLS WITH CONTINUOUS EDGE

The thin-wall diamond core guarantees burr-free cuts. This feature facilitates drilling work on hard laid tiles, where it is necessary to make a clean hole, without chipping the tile. longer useful life cycle



Art.	€	Size	Hex drive	Total length	Diamond height	Grit
P031/05	€ 15,40	Ø 5 mm	8.5 mm	56 mm	2 mm	50/60
P031/06	€ 15,90	Ø 6 mm	8.5 mm	56 mm	2 mm	50/60
P031/07	€ 17,00	Ø 7 mm	8.5 mm	56 mm	2 mm	50/60
P031/08	€ 18,00	Ø 8 mm	8.5 mm	56 mm	2 mm	50/60
P031/10	€ 20,60	Ø 10 mm	8.5 mm	56 mm	2 mm	50/60
P031/12	€ 21,60	Ø 12 mm	8.5 mm	56 mm	2 mm	50/60
P031/14	€ 24,60	Ø 14 mm	8.5 mm	56 mm	2 mm	50/60
P031/16	€ 29,80	Ø 16 mm	11 mm	90 mm	5 mm	35/40
P031/18	€ 30,80	Ø 18 mm	11 mm	90 mm	5 mm	35/40
P031/20	€ 34,90	Ø 20 mm	11 mm	90 mm	5 mm	35/40
P031/22	€ 38,00	Ø 22 mm	11 mm	90 mm	5 mm	35/40
P031/25	€ 43,10	Ø 25 mm	11 mm	90 mm	5 mm	35/40
P031/28	€ 46,20	Ø 28 mm	11 mm	90 mm	5 mm	35/40
P031/30	€ 51,40	Ø 30 mm	11 mm	90 mm	5 mm	35/40
P031/32	€ 55,40	Ø 32 mm	11 mm	90 mm	5 mm	35/40
P031/35	€ 59,50	Ø 35 mm	11 mm	90 mm	5 mm	35/40
P031/40	€ 67,80	Ø 40 mm	11 mm	90 mm	5 mm	35/40
P031/45	€ 76,00	Ø 45 mm	11 mm	90 mm	5 mm	35/40
P031/50	€ 85,30	Ø 50 mm	11 mm	90 mm	5 mm	35/40
P031/60	€ 106,00	Ø 60 mm	11 mm	90 mm	5 mm	35/40
P031/65	€ 115,00	Ø 65 mm	11 mm	90 mm	5 mm	35/40
P031/67	€ 124,00	Ø 67 mm	11 mm	90 mm	5 mm	35/40
P031/70	€ 136,00	Ø 70 mm	11 mm	90 mm	5 mm	35/40
P031/80	€ 156,00	Ø 80 mm	11 mm	90 mm	5 mm	35/40

P031/06P

€ 2,82

PILOT TIP

For item P031-XL



Hangable	
Diameter	Ø 6 mm
Length	100 mm
Stem	Ø 5 mm
Pack	10

P031/03S

€ 51,40

DIAMOND DRILL BIT AND CORE DRILL WITH CONTINUOUS EDGE SET

The thin-wall diamond core guarantees burr-free cuts. This feature facilitates drilling work on hard laid tiles, where it is necessary to make a clean hole, without chipping the tile. longer useful life cycle



3 Pcs	
Hangable	
Sizes	Ø 6 mm - 8 mm - 10 mm
Hex drive	9.5 mm
Total length	56 mm
Diamond height	2 mm
Grit	50/60

P031/05S

€ 82,20

DIAMOND DRILL BIT AND CORE DRILL WITH CONTINUOUS EDGE SET

The thin-wall diamond core guarantees burr-free cuts. This feature facilitates drilling work on hard laid tiles, where it is necessary to make a clean hole, without chipping the tile. longer useful life cycle



5 Pcs	
Hangable	
Sizes	Ø 5 mm - 6 mm - 8 mm - 10 mm - 12 mm
Hex drive	8.5 mm
Total length	56 mm
Diamond height	2 mm
Grit	50/60

P031/06S

€ 246,00

DIAMOND DRILL BIT AND CORE DRILL WITH CONTINUOUS EDGE SET

The thin-wall diamond core guarantees burr-free cuts. This feature facilitates drilling work on hard laid tiles, where it is necessary to make a clean hole, without chipping the tile. longer useful life cycle



6 Pcs	
Hangable	
Sizes	Ø 16 mm - 22 mm - 25 mm - 28 mm - 30 mm - 35 mm
Hex drive	11 mm
Total length	90 mm
Diamond height	5 mm
Grit	50/60



P033-

DIAMOND DRILL BITS WITH CONTINUOUS EDGE

Optimal operation on vertical walls, do not remove the core, which acts as a measuring cap for the coolant. Use with water cooling extends the useful life of the tool. The thin-walled diamond ring guarantees burr-free cuts. This feature facilitates drilling work on hard tiles in place, where it is necessary to make a clean hole



Art.	€	Size	Hex drive	Total length	Diamond height	Grit
P033/05	€ 25,60	Ø 5 mm	9.5 mm	80 mm	10 mm	40
P033/06	€ 25,60	Ø 6 mm	9.5 mm	80 mm	10 mm	40
P033/08	€ 25,60	Ø 8 mm	9.5 mm	80 mm	10 mm	40
P033/10	€ 27,70	Ø 10 mm	9.5 mm	80 mm	10 mm	40
P033/12	€ 30,80	Ø 12 mm	9.5 mm	80 mm	10 mm	40
P033/14	€ 32,90	Ø 14 mm	12.5 mm	80 mm	10 mm	40
P033/16	€ 38,00	Ø 16 mm	12.5 mm	80 mm	10 mm	40
P033/18	€ 43,10	Ø 18 mm	12.5 mm	80 mm	10 mm	40
P033/20	€ 48,30	Ø 20 mm	12.5 mm	80 mm	10 mm	40
P033/22	€ 52,40	Ø 22 mm	12.5 mm	80 mm	10 mm	40
P033/25	€ 59,50	Ø 25 mm	12.5 mm	80 mm	10 mm	40

P034-

M14 DIAMOND DRILL BITS AND CORE DRILLS WITH CONTINUOUS EDGE

The thin-wall diamond core guarantees burr-free cuts. This feature facilitates drilling work on hard laid tiles, where it is necessary to make a clean hole, without chipping the tile. longer useful life cycle



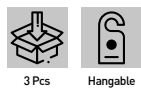
Art.	€	Size	Total length	Diamond height	Grit
P034/006	€ 30,30	Ø 6 mm	62 mm	10 mm	30/50
P034/008	€ 30,80	Ø 8 mm	62 mm	10 mm	30/50
P034/010	€ 30,80	Ø 10 mm	62 mm	10 mm	30/50
P034/012	€ 32,90	Ø 12 mm	62 mm	10 mm	30/50
P034/014	€ 36,00	Ø 14 mm	62 mm	10 mm	30/50
P034/016	€ 36,50	Ø 16 mm	62 mm	15 mm	30/50
P034/018	€ 37,00	Ø 18 mm	62 mm	15 mm	30/50
P034/020	€ 37,50	Ø 20 mm	60 mm	15 mm	30/50
P034/022	€ 38,00	Ø 22 mm	60 mm	15 mm	30/50
P034/025	€ 38,60	Ø 25 mm	60 mm	15 mm	30/50
P034/028	€ 42,10	Ø 28 mm	60 mm	15 mm	30/50
P034/030	€ 45,20	Ø 30 mm	60 mm	15 mm	30/50
P034/032	€ 48,30	Ø 32 mm	60 mm	15 mm	30/50
P034/035	€ 52,40	Ø 35 mm	60 mm	15 mm	30/50
P034/040	€ 60,60	Ø 40 mm	60 mm	15 mm	30/50
P034/045	€ 67,80	Ø 45 mm	60 mm	15 mm	30/50
P034/050	€ 72,90	Ø 50 mm	60 mm	15 mm	30/50
P034/055	€ 82,20	Ø 55 mm	60 mm	15 mm	30/50
P034/060	€ 90,30	Ø 60 mm	60 mm	15 mm	30/50
P034/065	€ 97,60	Ø 65 mm	60 mm	15 mm	30/50
P034/067	€ 101,00	Ø 67 mm	60 mm	15 mm	30/50
P034/070	€ 106,00	Ø 70 mm	60 mm	15 mm	30/50
P034/080	€ 120,00	Ø 80 mm	60 mm	15 mm	30/50
P034/090	€ 132,00	Ø 90 mm	60 mm	15 mm	30/50
P034/100	€ 163,00	Ø 100 mm	60 mm	15 mm	30/50

P033/03S

€ 71,80

DIAMOND DRILL BIT AND CORE DRILL WITH CONTINUOUS EDGE SET

Optimal operation on vertical walls, do not remove the core, which acts as a measuring cap for the coolant. Use with water cooling extends the useful life of the tool. The thin-walled diamond ring guarantees burr-free cuts. This feature facilitates drilling work on hard tiles in place, where it is necessary to make a clean hole



Sizes	Ø 6 mm - 8 mm - 10 mm
Hex drive	9.5 mm
Total length	80 mm
Diamond height	10 mm
Grit	40

P034/05S

€ 154,00

M14 DIAMOND DRILL BIT AND CORE DRILL WITH CONTINUOUS EDGE SET

The thin-wall diamond core guarantees burr-free cuts. This feature facilitates drilling work on hard laid tiles, where it is necessary to make a clean hole, without chipping the tile. longer useful life cycle



Sizes	Ø 6 mm - 8 mm - 10 mm - 12 mm - 14 mm
Total length	62 mm
Diamond height	10 mm
Grit	30/50

P034/06S

€ 383,00

M14 DIAMOND DRILL BIT AND CORE DRILL WITH CONTINUOUS EDGE SET

The thin-wall diamond core guarantees burr-free cuts. This feature facilitates drilling work on hard laid tiles, where it is necessary to make a clean hole, without chipping the tile. Longer useful life cycle.



Sizes	Ø 22 mm - 35 mm - 40 mm - 45 mm - 50 mm - 67 mm
Total length	60 mm
Diamond height	15 mm
Grit	30/50



P035-

DIAMOND DRILL BITS WITH CONTINUOUS EDGE

The thin-wall diamond core guarantees burr-free cuts. This feature facilitates drilling work on hard laid tiles, where it is necessary to make a clean hole, without chipping the tile. longer useful life cycle



Art.	€	Size	Stem	Total length	Diamond height	Grit
P035/05	€ 8,30	Ø 5 mm	Ø 6 mm	65 mm	5 mm	60/80
P035/06	€ 8,30	Ø 6 mm	Ø 6 mm	65 mm	5 mm	60/80
P035/08	€ 8,30	Ø 8 mm	Ø 6 mm	65 mm	5 mm	60/80
P035/10	€ 8,30	Ø 10 mm	Ø 6 mm	65 mm	5 mm	60/80
P035/12	€ 9,20	Ø 12 mm	Ø 6 mm	65 mm	5 mm	60/80
P035/14	€ 10,20	Ø 14 mm	Ø 6 mm	65 mm	5 mm	60/80

D009/5-12

€ 28,70

DRILL SUCTION CUP WITH GUIDING HOLES

Allows easy centering and cutting safety of the diamond tip in the various workable materials. To be used in conjunction with a nebulizer for water processing



Box

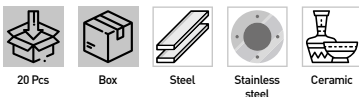
Holes 4 mm - 5 mm - 6 mm - 7 mm - 8 mm - 10 mm - 12 mm

D020

€ 26,30

DIAMOND MOUNTED POINT SET

Suitable for engraving, writing or finishing thanks to the various geometries available



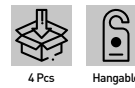
Stem Length Ø 3 mm 45 mm

P035/04S

€ 30,80

DIAMOND DRILL BIT SET WITH CONTINUOUS EDGE

The thin-wall diamond core guarantees burr-free cuts. This feature facilitates drilling work on hard laid tiles, where it is necessary to make a clean hole, without chipping the tile. longer useful life cycle



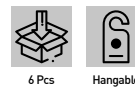
Sizes	Ø 5 mm - 6 mm - 8 mm - 10 mm
Stem	Ø 6 mm
Total length	65 mm
Diamond height	5 mm
Grit	60/80

0529

€ 39,10

DIAMOND CORE DRILL BIT SET

The thin-wall diamond core guarantees burr-free cuts. This feature facilitates drilling work on hard laid tiles, where it is necessary to make a clean hole, without chipping the tile. longer useful life cycle



Drills	Ø 5 - 6 - 8 - 10 - 12 mm
Total length	60 mm
Cut length	30 mm
Diamond height	3 mm
Grit	70/80

D009/5-85

€ 43,10

DRILL SUCTION CUP WITH ADJUSTABLE HOLE FRAME

Allows easy centering and cutting safety of the diamond tip in the various workable materials. To be used in conjunction with a nebulizer for water processing



Box

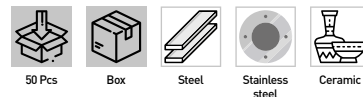
Holes 5 - 85 mm

D050

€ 51,60

DIAMOND MOUNTED POINT AND DISC SET

Suitable for engraving, writing or finishing thanks to the various geometries available

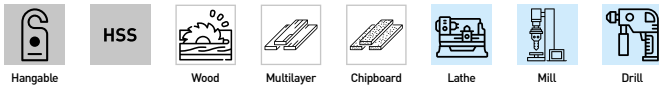


Stem Length Ø 3 mm 45 mm

P052-

BRAD POINT WOODWORKING DRILLS

DIN 7487, double helix, with centering tip allows exact positioning of the hole



Art.	€	ø	Total length	Flute length	Pack
P052/03	€ 0,88	3 mm	61 mm	33 mm	5
P052/04	€ 0,97	4 mm	75 mm	43 mm	5
P052/05	€ 1,17	5 mm	86 mm	52 mm	5
P052/06	€ 1,27	6 mm	93 mm	57 mm	5
P052/07	€ 1,56	7 mm	109 mm	69 mm	5
P052/08	€ 2,05	8 mm	117 mm	75 mm	5
P052/09	€ 2,34	9 mm	125 mm	81 mm	1
P052/10	€ 2,74	10 mm	133 mm	87 mm	1
P052/11	€ 3,61	11 mm	142 mm	94 mm	1
P052/12	€ 4,49	12 mm	151 mm	101 mm	1
P052/13	€ 5,20	13 mm	151 mm	101 mm	1
P052/14	€ 6,40	14 mm	160 mm	108 mm	1
P052/15	€ 7,60	15 mm	169 mm	114 mm	1
P052/16	€ 10,60	16 mm	178 mm	120 mm	1
P052/17	€ 12,20	17 mm	184 mm	125 mm	1
P052/18	€ 14,20	18 mm	191 mm	130 mm	1
P052/19	€ 16,10	19 mm	198 mm	135 mm	1
P052/20	€ 17,60	20 mm	205 mm	140 mm	1

P052/08S

€ 13,60

BRAD POINT WOODWORKING DRILLS SET

DIN 7487, double helix, with centering tip allows exact positioning of the hole

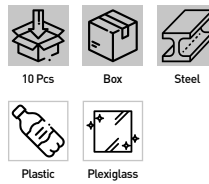


Size 3 ÷ 10 mm

0238

€ 12,10

HOLE SAW SET FOR WOOD



Sizes ø 22 - 29 - 32 - 38 - 44 - 51 - 57 - 67 mm

0463

€ 21,80

TWIST DRILL SET WITH COUNTERSINK FOR WOOD

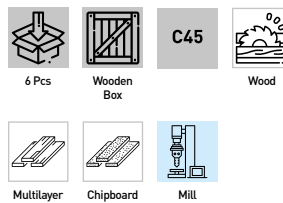
for countersinking the wood



Sizes 2 - 2,5 - 3 - 3,5 mm

0799-

MORTISING DRILL SET



Art.	€	Sizes	Revolution	Stem
0799/SXC	€ 68,00	ø 6 - 8 - 10 - 12 - 14 - 16 mm	L	ø 16 x 50 mm
0799/DXC	€ 68,00	ø 6 - 8 - 10 - 12 - 14 - 16 mm	R	ø 16 x 50 mm

0087

€ 43,90

UNIVERSAL CYLINDER CARBIDE TIPPED BORING BIT



Drills ø 15 - 20 - 26 - 30 - 35 mm

0087/35

€ 11,10

UNIVERSAL CYLINDER CARBIDE TIPPED BORING BIT



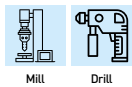
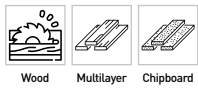
Boring bit ø 35 mm
Stem ø 10 mm



0526 € 31,20

TWIST DRILL AND COUNTERSINK SET WITH 1/4" HEX SHANK

1/4" hex shank with countersink for wood



Drills	2,75 - 3,25 - 3,5 mm
Shank	1/4"

0524 € 50,80

1/4" DR. DRILL BIT HOLDER SET

To speed up the work by replacing the tips quickly

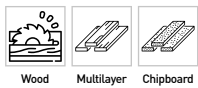
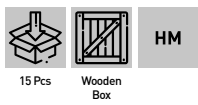


Sizes	3-3.5-4-4.5-5-5.5-6-6.5-8-10 mm
Shank	1/4"

0835/15 € 53,60

CARBIDE TIPPED ROUTER BIT SET

For professional woodworking such as edges, trimmings, grooves

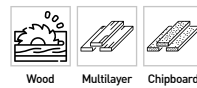
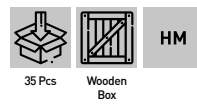


Stem	Ø 6 mm
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0830 € 232,00

CARBIDE TIPPED ROUTER BIT SET

For professional woodworking such as edges, trimmings, grooves

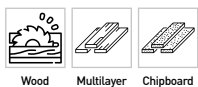
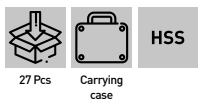


Stem	Ø 6 mm
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0718 € 269,00

CUTTER HEAD SET FOR MACHINE

For creating profiles of various geometries on wood.



Head	Ø 100 x 40h mm
Hole	Ø 30 mm
Knives	26



M015S € 55,40

SPIRAL POINT TAP AND DRILL SET

With adjustable tap holder

		HSS
15 Pcs	Hangable	
Steel	Aluminum	Non-ferr. alloys
Cast Iron	Emulsion	



Taps	M3 x 0,50 mm, M4 x 0,70 mm, M5 x 0,80 mm, M6 x 1,00 mm, M8 x 1,2
Drills	Ø2,5 mm, Ø3,3 mm, Ø4,2 mm, Ø5,0 mm, Ø6,8 mm, Ø8,5 mm, Ø10

M312/C € 65,90

MACHINE TAP SET FOR BLIND HOLES 35° WITH REINFORCED SHANK

With adjustable tap holder.

		HSS-G
8 Pcs	Hangable	
Steel	Aluminum	Non-ferr. alloys
Cast Iron	Oil	



Size	M3 x 0,50 - M4 x 0,70 - M5 x 0,80 - M6 x 1 - M8 x 1,25 - M10 x 1,50 - M12 x 1,75
-------------	--

M036 € 59,40

TAP AND DIE SET

With twist drills and screw pitch gauge

34 Pcs	Box	Steel
Steel	Aluminum	Non-ferr. alloys
Cast Iron	Oil	Manual use



Tap holder	M3 - M12
Round die-stock	25 x 9 mm
Taps	M3x0,5 - M4x0,7 - M5x0,8 - M6x1 - M7x1 - M8x1,25 - M10x1,5 - M12
Dies	M3x0,5 - M4x0,7 - M5x0,8 - M6x1 - M7x1 - M8x1,25 - M10x1,5 - M12
Drills	2,5 - 3,3 - 4,2 - 5 - 6 - 6,8 - 8,5 - 10,3 mm
Screwdriver	6,5 x 50 mm

M312/P € 60,60

MACHINE TAP SET FOR THROUGH HOLES WITH REINFORCED SHANK

With adjustable tap holder.

		HSS-G
8 Pcs	Hangable	
Steel	Aluminum	Non-ferr. alloys
Cast Iron	Oil	



Size	M3 x 0,50 - M4 x 0,70 - M5 x 0,80 - M6 x 1 - M8 x 1,25 - M10 x 1,50 - M12 x 1,75
-------------	--

M020 € 30,60

TAP AND DIE SET

20 Pcs	Box	Steel
Steel	Aluminum	Non-ferr. alloys
Cast Iron	Oil	Manual use



Tap holder	M3 - M12
Round die-stock	25 x 9 mm
Taps	M3x0,5 - M4x0,7 - M5x0,8 - M6x1 - M7x1 - M8x1,25 - M10x1,5 - M12x1,75 - 1/8" NPT27
Dies	M3x0,5 - M4x0,7 - M5x0,8 - M6x1 - M7x1 - M8x1,25 - M10x1,5 - M12x1,75 - 1/8" NPT27

M032 € 110,00

TAP AND DIE METRIC SET

With round die-stock, adjustable tap holder and screw pitch gauge.

		HSS
32 Pcs	Hangable	
Steel	Aluminum	Non-ferr. alloys
Cast Iron	Oil	Manual use



Taps	M3x0,5 M4x0,7 M5x0,8 M6x1 M8x1,25 M10x1,5 M12x1,75
Dies	M3x0,5 M4x0,7 M5x0,8 M6x1 M8x1,25 M10x1,5 M12x1,75
Screwdriver	3,5 x 50 mm

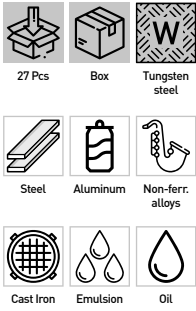


M029

€ 118,00

TAP AND DIE SET

With twist drills and ratchet tap-die holder



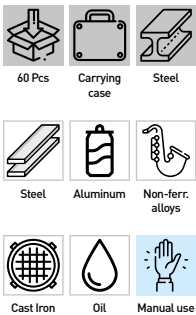
Ratchet handle	200 mm
Socket	Maschi 5 - 7,5 mm Filiere 25 x 9 mm
Taps	M3x0,5 - M4x0,7 - M5x0,8 - M6x1 - M8x1,25 - M10x1,5 - M12x1,75
Dies	M3x0,5 - M4x0,7 - M5x0,8 - M6x1 - M8x1,25 - M10x1,5 - M12x1,75
Drills	2,5 - 3,3 - 4,2 - 5 - 6,8 - 8,5 - 10,3 mm
Screwdriver	6,5 x 50 mm
Screwdriver	3 x 50 mm

M101

€ 109,00

TAPS AND DIE METRIC SET

Hand tap and die: M3x0,5 - UNC 1/4 20 - UNF 4 40 - Metric M4x0,7 - UNC 1/4 28 - UNF 6 32 - Metric M5x0,8 - UNC 5/16 18 - UNF 8 32 - Metric M6x1 - UNC 5/16 24 - UNF 10 32 - Metric M7x1 - UNC 3/8 16 - UNF 10 24 - Metric M8x1,25 - UNC 3/8 24 - UNF 12 24 - Metric M9x1,25 - UNC 7/16 14 - Metric M10x1,5 - UNC 7/16 20 - Metric M10x1 - UNC 1/2 13 - Metric M12x1,75 - UNC 1/2 20 - NPT 1/8 27. Complete with round die-stock and adjustable tap holder.

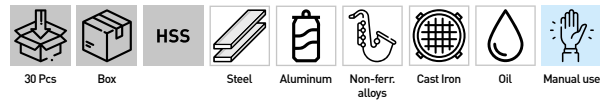


M030

€ 69,10

TAP AND DIE SET

From M1 to M2.5, with die turner and adapters to convert it into tap wrenches.



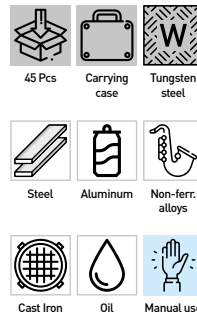
Size M1 - M1.1 - M1.2 - M1.4 - M1.6 - M1.8 - M2.0 - M2.2 - M2.5

M100

€ 146,00

TAP AND DIE METRIC SET

With round die-stock and adjustable tap holder. M6x0,75 - M6x1 - M8x1 - M8x1,25 - M10x1,25 - M10x1,5 - M12x1,5 - M12x1,75 - M14x1,5 - M14x2 - M16x1,5 - M16x2 - M18x1,5 - M18x2,5 - M20x1,5 - M20x2,5 - M22x1,5 - M22x2,5 - M24x1,5 - M24x3



M218

€ 235,00

TAP AND DIE METRIC SET

2 pcs hand tap set and die: M2 x 0,40 - M3 x 0,50 - M4 x 0,70 - M5 x 0,80 - M6 x 0,75 - M6 x 1 - M7 x 0,75 - M7 x 1 - M8 x 0,75 - M8 x 1 - M8 x 1,25 - M9 x 0,75 - M9 x 1 - M9 x 1,25 - M10 x 0,75 - M10 x 1 - M10 x 1,25 - M10 x 1,5 - M11 x 0,75 - M11 x 1 - M11 x 1,25 - M11 x 1,5 - M12 x 0,75 - M12 x 1 - M12 x 1,25 - M12 x 1,5 - M12 x 1,75 - M14 x 1 - M14 x 1,25 - M14 x 1,5 - M14 x 2 - M16 x 1 - M16 x 1,5 - M16 x 2 - M18 x 1,5. Complete with 2 tap holders and 2 round die-stocks.



TAPPING

TYPE OF GROOVES

STRAIGHT GROOVES CORRECT INLET

The correction of the inlet is given by a strong inclination of the helix combined with an accentuated angle of cut in the initial part of the tap. This design ensures the evacuation of chips in the direction of the feed. Therefore, when tapping through holes in materials that produce continuous chips, the risk of clogging and breakage is almost eliminated.



35° HIGH-TWIST HELICAL GROOVES

Inclined helical grooves facilitate chip extraction in the opposite direction to the tap feed. The strong inclination of the helix also ensures the extraction of chips from blind and deep holes reducing the risk of clogging and breakage.



CHOICE OF THEORETICAL CUTTING SPEEDS OF MACHINE TAPS, ACCORDING TO THE MATERIAL TO BE THREADED



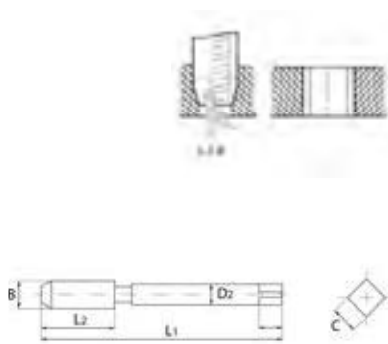
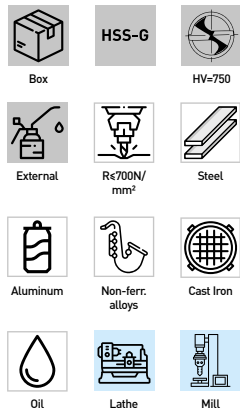
Material to work	Cutting speed (m / min)	Refrigerant
Low alloy construction steel R< 700÷900N/mm2	10 - 20	Oil
Tool steel	4 - 8	Oil
Alloy steel R< 1100÷1300N/mm2	2 - 5	Oil
Stainless steel	5 - 10	Oil
Spheroidal cast iron	6 - 20	No Lubrication.
Copper alloys	10 - 15	Oil
Brass	20 - 30	Oil
Bronze	6 - 15	Oil
Aluminium Short chip	15 - 30	Oil
Aluminium Long chip	10 - 20	Oil
Titanium	3 - 4	Oil
Plastics and thermoplastics	5 - 15	Water
Thermosetting Materials	5 - 10	No Lubrication



M001-X

MACHINE TAPS STRAIGHT FLUTE, SPIRAL POINTED FOR THROUGH HOLES

DIN 371/B, isometric thread coarse pitch - reinforced shank.

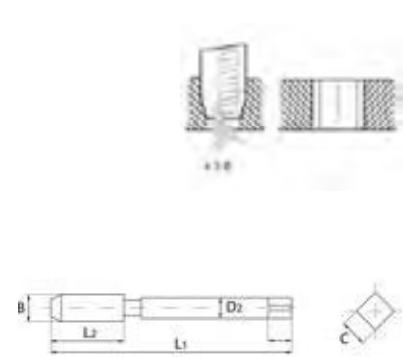
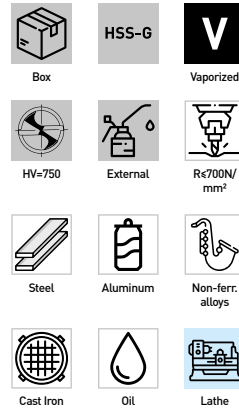


Art.	€	B	L2	L1	D2	C
M001/3	€ 5,80	M3 x 0,50	11 mm	56 mm	3.5 mm	2.7 mm
M001/4	€ 5,80	M4 x 0,70	13 mm	63 mm	4.5 mm	3.4 mm
M001/5	€ 7,10	M5 x 0,80	16 mm	70 mm	6 mm	4.9 mm
M001/6	€ 7,60	M6 x 1	19 mm	80 mm	6 mm	4.9 mm
M001/8	€ 9,30	M8 x 1,25	22 mm	90 mm	8 mm	6.2 mm
M001/10	€ 11,90	M10 x 1,5	24 mm	100 mm	10 mm	8 mm

M001-XV

MACHINE TAPS STRAIGHT FLUTE, SPIRAL POINTED FOR THROUGH HOLES

DIN 371/B, isometric thread coarse pitch - reinforced shank, the vaporization treatment increases the surface hardness and wear resistance by reducing the possibility of chip sticking.

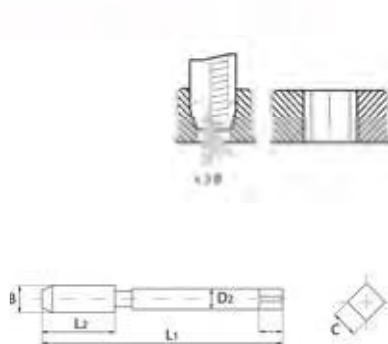
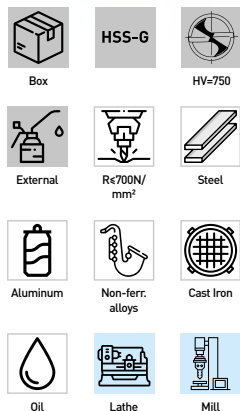


Art.	€	B	L2	L1	D2	C
M001/03V	€ 7,30	M3 x 0,50	11 mm	56 mm	3.5 mm	2.7 mm
M001/04V	€ 7,30	M4 x 0,70	13 mm	63 mm	4.5 mm	3.4 mm
M001/05V	€ 8,10	M5 x 0,80	16 mm	70 mm	6 mm	4.9 mm
M001/06V	€ 8,80	M6 x 1	19 mm	80 mm	6 mm	4.9 mm
M001/08V	€ 11,10	M8 x 1,25	22 mm	90 mm	8 mm	6.2 mm
M001/10V	€ 13,90	M10 x 1,5	24 mm	100 mm	10 mm	8 mm

M002-

MACHINE TAPS STRAIGHT FLUTE SPIRAL POINTED FOR THROUGH HOLES

DIN 376/B, isometric thread coarse pitch.

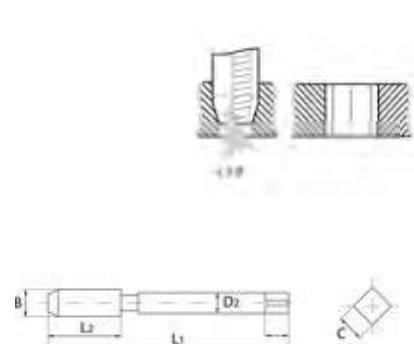
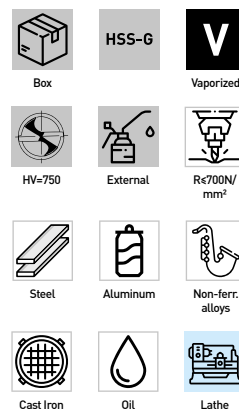


Art.	€	B	L2	L1	D2	C
M002/12	€ 12,90	M12 x 1,75	29 mm	110 mm	9 mm	7 mm
M002/14	€ 16,70	M14 x 2	30 mm	110 mm	11 mm	9 mm
M002/16	€ 18,60	M16 x 2	32 mm	110 mm	12 mm	9 mm
M002/18	€ 28,80	M18 x 2,5	34 mm	125 mm	14 mm	11 mm
M002/20	€ 34,20	M20 x 2,5	34 mm	140 mm	16 mm	12 mm
M002/22	€ 47,90	M22 x 2,5	34 mm	140 mm	18 mm	14.5 mm
M002/24	€ 52,60	M24 x 3	38 mm	160 mm	18 mm	14.5 mm
M002/27	€ 73,60	M27 x 3	38 mm	160 mm	20 mm	16 mm
M002/30	€ 85,30	M30 x 3,5	45 mm	180 mm	22 mm	18 mm

M002-XV

MACHINE TAPS STRAIGHT FLUTE SPIRAL POINTED FOR THROUGH HOLES

DIN 376/B, isometric thread coarse pitch - reinforced shank, the vaporization treatment increases the surface hardness and wear resistance by reducing the possibility of chip sticking.



Art.	€	B	L2	L1	D2	C
M002/12V	€ 14,50	M12 x 1,75	29 mm	110 mm	9 mm	7 mm
M002/14V	€ 19,10	M14 x 2	30 mm	110 mm	11 mm	9 mm
M002/16V	€ 21,80	M16 x 2	32 mm	110 mm	12 mm	9 mm
M002/18V	€ 30,80	M18 x 2,5	34 mm	125 mm	14 mm	11 mm
M002/20V	€ 38,80	M20 x 2,5	34 mm	140 mm	16 mm	12 mm

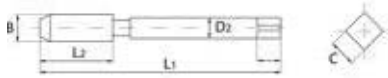
M003-

MACHINE TAPS SPIRAL FLUTE FOR BLIND HOLES 35°

DIN 371/C, isometric thread coarse pitch - reinforced shank



- HSS-G**
- HV=750
- External
- R<700N/mm²
- Steel
- Aluminum
- Non-ferr. alloys
- Cast Iron
- Oil
- Lathe
- Mill



Art.	€	B	L2	L1	D2	C
M003/3	€ 5,80	M3 x 0,50	11 mm	56 mm	3.5 mm	2.7 mm
M003/4	€ 5,80	M4 x 0,70	13 mm	63 mm	4.5 mm	3.4 mm
M003/5	€ 6,50	M5 x 0,80	16 mm	70 mm	6 mm	4.9 mm
M003/6	€ 8,10	M6 x 1	19 mm	80 mm	6 mm	4.9 mm
M003/8	€ 9,90	M8 x 1,25	22 mm	90 mm	8 mm	6.2 mm
M003/10	€ 12,20	M10 x 1,5	24 mm	100 mm	10 mm	8 mm

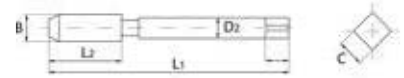
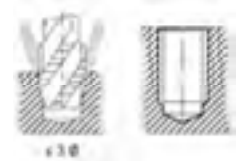
M003-XV

MACHINE TAPS SPIRAL FLUTE FOR BLIND HOLES 35°

DIN 371 / C, isometric thread coarse pitch - reinforced shank, the vaporization treatment increases the surface hardness and wear resistance by reducing the possibility of chip sticking



- HSS-G**
- Vaporized
- HV=750
- External
- R<700N/mm²
- Steel
- Aluminum
- Non-ferr. alloys
- Cast Iron
- Oil
- Lathe



Art.	€	B	L2	L1	D2	C
M003/03V	€ 7,30	M3 x 0,50	11 mm	56 mm	3.5 mm	2.7 mm
M003/04V	€ 7,30	M4 x 0,70	13 mm	63 mm	4.5 mm	3.4 mm
M003/05V	€ 8,70	M5 x 0,80	16 mm	70 mm	6 mm	4.9 mm
M003/06V	€ 9,90	M6 x 1	19 mm	80 mm	6 mm	4.9 mm
M003/08V	€ 11,40	M8 x 1,25	22 mm	90 mm	8 mm	6.2 mm
M003/10V	€ 14,30	M10 x 1,5	24 mm	100 mm	10 mm	8 mm

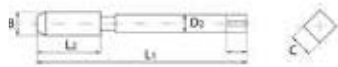
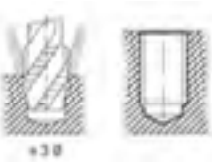
M003-XXX

MACHINE TAPS SPIRAL FLUTE FOR BLIND HOLES 35°

DIN 376/C, isometric thread coarse pitch



- HSS-G**
- HV=750
- External
- R<700N/mm²
- Steel
- Aluminum
- Non-ferr. alloys
- Cast Iron
- Oil
- Lathe
- Mill



Art.	€	B	L2	L1	D2	C
M003/12	€ 13,30	M12 x 1,75	29 mm	110 mm	9 mm	7 mm
M003/14	€ 16,90	M14 x 2	30 mm	110 mm	11 mm	9 mm
M003/16	€ 19,40	M16x2	32 mm	110 mm	12 mm	9 mm
M003/18	€ 31,60	M18 x 2,5	34 mm	125 mm	14 mm	11 mm
M003/20	€ 34,70	M20 x 2,5	34 mm	140 mm	16 mm	12 mm
M003/22	€ 47,90	M22 x 2,5	34 mm	140 mm	18 mm	14.5 mm
M003/24	€ 52,50	M24 x 3	38 mm	160 mm	18 mm	14.5 mm
M003/27	€ 73,60	M27 x 3	38 mm	160 mm	20 mm	16 mm
M003/30	€ 85,30	M30 x 3,5	45 mm	180 mm	22 mm	18 mm

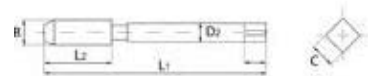
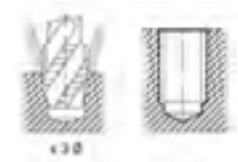
M003-XXV

MACHINE TAPS SPIRAL FLUTE FOR BLIND HOLES 35°

DIN 376/C, isometric thread coarse pitch - reinforced shank, the vaporization treatment increases the surface hardness and wear resistance by reducing the possibility of chip sticking.



- HSS-G**
- Vaporized
- HV=750
- External
- R<700N/mm²
- Steel
- Aluminum
- Non-ferr. alloys
- Cast Iron
- Oil
- Lathe



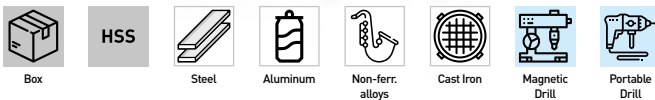
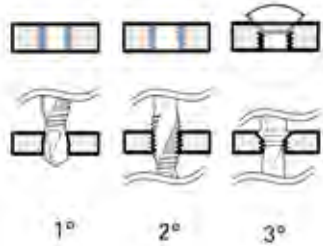
Art.	€	B	L2	L1	D2	C
M003/12V	€ 16,90	M12 x 1,75	29 mm	110 mm	9 mm	7 mm
M003/14V	€ 19,10	M14 x 2	30 mm	110 mm	11 mm	9 mm
M003/16V	€ 22,70	M16 x 2	32 mm	110 mm	12 mm	9 mm
M003/18V	€ 30,80	M18 x 2,5	34 mm	125 mm	14 mm	11 mm
M003/20V	€ 38,80	M20 x 2,5	34 mm	140 mm	16 mm	12 mm



0890-

3 IN 1 DRILLING-TAPPING-DEBURRING TOOL

Thanks to the particular geometry in a single operation it is able to drill, thread and countersink



Art.	€	Taps	Shank	Dimensions
0890/M3	€ 6,70	M3 x 0,5	1/4"	52 mm
0890/M4	€ 6,70	M4 x 0,7	1/4"	52 mm
0890/M5	€ 7,60	M5 x 0,8	1/4"	54 mm
0890/M6	€ 7,60	M6 x 1	1/4"	56 mm
0890/M8	€ 8,80	M8 x 1,25	1/4"	58 mm
0890/M10	€ 10,80	M10 x 1,5	1/4"	60 mm

G002-

ADJUSTABLE TAP HOLDER

DIN 1814. With hardened jaws, a handle that can be unscrewed to carry out jobs with tight dimensions



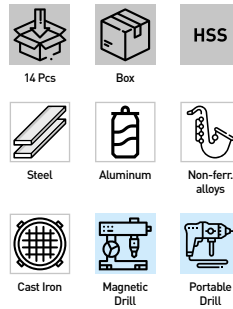
Art.	€	Taps	Square
G002/1	€ 6,50	M1 ÷ M10	1,75 ÷ 5,5
G002/2	€ 9,60	M4 ÷ M12	2,4 ÷ 8 mm
G002/3	€ 13,30	M5 ÷ M20	2,7 ÷ 12

0890

€ 53,10

3 IN 1 DRILLING-TAPING-DEBURRING TOOL AND BIT SET

Thanks to the particular geometry in a single operation it is able to drill, thread and countersink. With quick change holder



Taps	M3 x 0,5 - M4 x 0,7 - M5 x 0,8 - M6 x 1 - M8 x 1,25 - M10 x 1,5
Shank	1/4"
Phillips	1 - 2
Pozi-driv	1 - 2
Slotted	4 - 5 mm

G003-

RATCHET TAP HOLDER

Right-handed, left-handed or in a fixed position



Art.	€	Taps	Square
G003/1	€ 11,90	M3 ÷ M 8	1,75 ÷ 5,5
G003/2	€ 14,50	M5 ÷ M 12	4 ÷ 8



F123

NEW € 48,60

ROUND DIE SET

From M3 to M12, complete with round die-stock

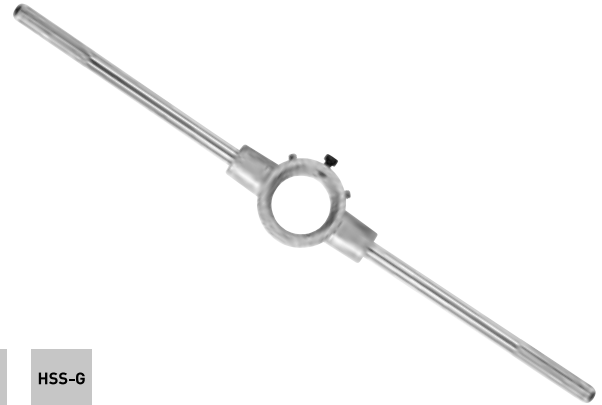


Size M3 - M4 - M5 - M6 - M8 - M10 - M12
Round die-stock 25 x 9 mm

G001-

ROUND DIE-STOCK

DIN 225, with 3 die fixing screws, 1 unscrewable handle to carry out jobs with tight dimensions



Art.	€	Die dimensions	For dies
G001/20	€ 6,50	20 x 7 mm	M4.5 ÷ M6
G001/25	€ 6,50	25 x 9 mm	M7 ÷ M9
G001/30	€ 8,00	30 x 11 mm	M10 ÷ M11
G001/38	€ 12,20	38 x 14 mm	M12 ÷ M14
G001/45	€ 13,90	45 x 18 mm	M16 ÷ M20
G001/55	€ 15,00	55 x 22 mm	M22 ÷ M24

F121-

METRIC DIE FOR COARSE PITCH

DIN 223, with correct entry on both sides to facilitate the execution of the thread and correctly evacuate the shavings in the cutting direction



F122-

DIE GAS THREAD

DIN 5158/B, with correct entry on both sides to facilitate the execution of the thread and correctly evacuate the shavings in the cutting direction



Art.	€	Pitch	Dimensions
F121/03	€ 8,00	3 x 0,5 mm	Ø20 x 5 mm
F121/04	€ 8,00	4 x 0,7 mm	Ø20 x 5 mm
F121/05	€ 9,10	5 x 0,8 mm	Ø20 x 7 mm
F121/06	€ 10,50	6 x 1 mm	Ø20 x 7 mm
F121/08	€ 10,50	8 x 1,25 mm	Ø25 x 9 mm
F121/10	€ 12,00	10 x 1,5 mm	Ø30 x 11 mm
F121/12	€ 13,90	12 x 1,75 mm	Ø38 x 14 mm
F121/14	€ 19,60	14 x 2 mm	Ø38 x 14 mm
F121/16	€ 23,00	16 x 2 mm	Ø45 x 18 mm
F121/18	€ 26,70	18 x 2,5 mm	Ø45 x 18 mm
F121/20	€ 28,30	20 x 2,5 mm	Ø45 x 18 mm



Art.	€	Pitch	Dimensions
F122/1/8	€ 10,40	G1/8-28	Ø30 x 11 mm
F122/1/4	€ 18,10	G1/4-19	Ø38 x 10 mm
F122/3/8	€ 22,50	G3/8-19	Ø45 x 14 mm
F122/1/2	€ 24,20	G1/2-14	Ø45 x 14 mm
F122/5/8	€ 43,30	G5/8-14	Ø55 x 16 mm
F122/3/4	€ 47,50	G3/4-14	Ø55 x 16 mm
F122/7/8	€ 52,60	G7/8-14	Ø65 x 18 mm
F122/1	€ 53,10	G1-11	Ø65 x 18 mm



F-COIL THREAD RESTORER RANGE

It is essential for reinforcing threads in materials with reduced resistance (aluminium, aluminium alloys or magnesium). The industrial sectors where it is most used are: mechanical and building development, automotive industry, medical and electronic equipment, as well as aerospace and aeronautical construction. Tapping reinforcement eliminates wear on the tapping itself, allowing frequent use of the thread. It is essential for the economical and lasting restoration of worn or discarded threads during manufacture.

RESTORATION AND LAYING PROCEDURE

1st operation
Knowing the type of damaged thread

Knowledge of the type of damaged thread so that the appropriate kit can be purchased to restore it.



2nd operation
Drilling execution with specific drill tip

Drilling for removal of the damaged thread and thread preparation for the new F-Coil thread insert



3rd operation
Tapping execution for preparation of F-Coil thread housing

Execution of the tapping operation with the specific tap for creating the housing for the F-Coil thread insert.



4th operation
Screw in the Coil insert with the appropriate tool

Screw in the F-Coil insert with the F-Coil mounting tool to the required depth. If one helix is not enough, you can add more helix up to the necessary depth. The application of thread-locking glue is recommended to avoid possible disassembly of the F-Coil



5th operation
Breaking of the driving notch with a special cutter

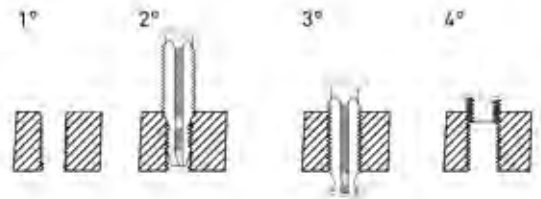
Once the thread-insert has been installed, break off the retention stud bolt. In order to break it, the specific breaking tool must be used. From a thread size of M14 onwards, it is possible to perform this operation with the use of a clamp where the pitch size permits.



REPAIR THREADS FOR SPARK PLUG SEATS

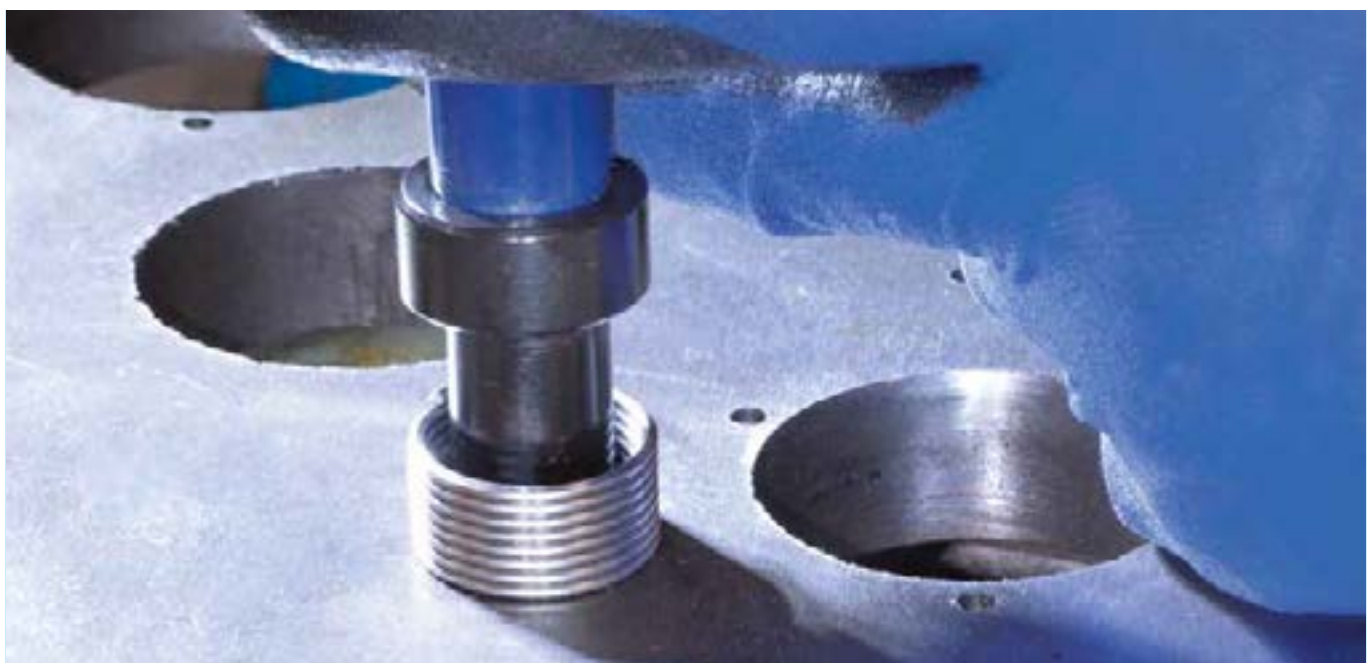
To restore damaged spark plug seats the procedure is different: Threading is carried out directly on the damaged thread with the special tap supplied with the KIT. The F-COIL thread bushing is then inserted and must be screwed in completely up to the stop.

The application of thread-locking adhesive is recommended.



COMPOSITION OF THE THREAD REPAIR KIT

1	Stainless steel threaded inserts to be inserted in the tapping performed by recreating the previously damaged thread (Available in 1xØ, 1.5xØ, 2xØ, 2.5xØ and 3xØ lengths)		
2	Helical HSS bit for making the pre-hole for the tap		
3	Specific tap for tapping for the application of the threaded insert		
4	Tool for mounting F-Coil threaded inserts	For threaded inserts up to M24	
		For M26 inserts	
5	Specific tool for breaking the F-Coil tang		

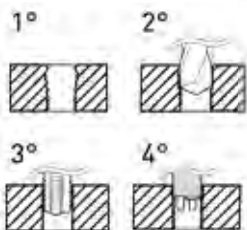




E010 € 123,00

METRIC THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials

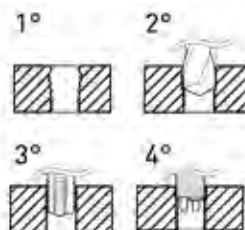


Sizes	M5 - M12
STI Taps	M5 x 0.8 - M6 x 1.0 - M8 x 1.25 - M10 x 1.5 - M12 x 1.75
Drills	5.2 mm - 6.3 mm - 8.3 mm - 10.4 mm - 12.4 mm
Wire-thread inserts	M5=25 M6=25 M8=25 M10=25 M12=10
Inserting tool	5 Pcs
Tang break tool	5 Pcs

E010B € 159,00

METRIC THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials

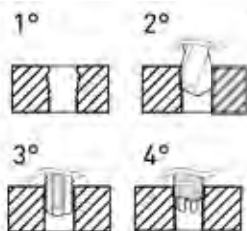


Sizes	M6 - M14
STI Taps	M6 x 1.0 - M8 x 1.25 - M10 x 1.5 - M12 x 1.75 - M14 x 1.25
Drills	6.3 mm - 8.3 mm - 10.4 mm - 12.4 mm
Wire-thread inserts	M6=25 M8=25 M10=20 M12=15 M14=25
Inserting tool	5 Pcs
Tang break tool	5 Pcs

E010E € 107,00

METRIC THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials

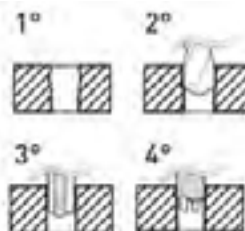


Sizes	M5 - M12
STI Taps	M5 x 0.8 - M6 x 1.0 - M8 x 1.25 - M10 x 1.5 - M12 x 1.75
Drills	5.2 mm - 6.3 mm - 8.3 mm - 10.4 mm - 12.4 mm
Wire-thread inserts	M5=25 M6=25 M8=25 M10=25 M12=10
Inserting tool	5 Pcs
Tang break tool	5 Pcs

E010- € 107,00

THREAD REPAIR INSERT SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials

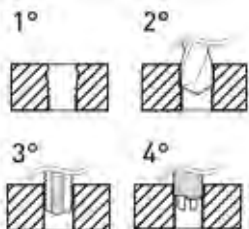


Art.	€	Thread insert	Boring bit	Taps	Handle
E010/M05	€ 27,10	M5	5,2 mm	x M5	2
E010/M06	€ 29,40	M6	6,3 mm	x M6	2
E010/M08	€ 32,40	M8	8,3 mm	x M8	2
E010/M10	€ 39,10	M10	10,4 mm	x M10	2
E010/M12	€ 41,40	M12	12,4 mm	x M12	2
E010/M14	€ 49,50	M14 x 1,25	14,4 mm	x M14 x 1,25	2

E011A € 164,00

METRIC THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials







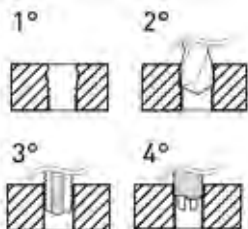

130 Pcs Carrying case





Sizes	M5 - M12
STI Taps	M5 x 0.8 - M6 x 1.0 - M8 x 1.25 - M10 x 1.5 - M12 x 1.75
Drills	5.2 mm - 6.3 mm - 8.3 mm - 10.4 mm - 12.4 mm
Wire-thread inserts	M5=25 M6=25 M8=25 M10=25 M12=10
Inserting tool	5 Pcs
Tang break tool	5 Pcs

E011B € 192,00

METRIC THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials



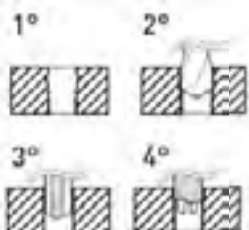
113 Pcs Carrying case

Sizes	M6 - M14
STI Taps	M6 x 1.0 - M8 x 1.25 - M10 x 1.5 - M12 x 1.75 - M14 x 1.25
Drills	6.3 mm - 8.3 mm - 10.4 mm - 12.4 mm
Wire-thread inserts	M6=25 M8=25 M10=25 M12=10 M14=10
Inserting tool	5 Pcs
Tang break tool	4 Pcs

E011C € 113,00

METRIC THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials







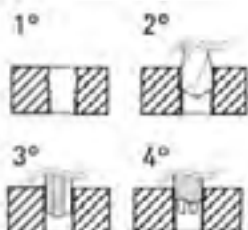

87 Pcs Hangable





Sizes	M6 - M10
STI Taps	M6 x 1.0 - M8 x 1.25 - M10 x 1.5
Drills	6.3 mm - 8.3 mm - 10.4 mm
Wire-thread inserts	M6 25 Pcs - M8 25 Pcs - M10 25 Pcs
Inserting tool	3 Pcs
Tang break tool	3 Pcs

E011D € 203,00

METRIC THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials. 14mm size specific for car spark plugs



113 Pcs Carrying case

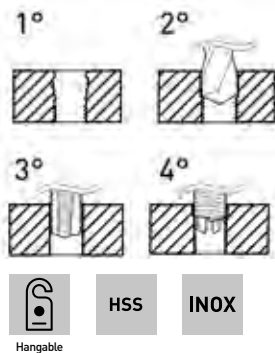
Sizes	M6 - M14
STI Taps	M6 x 1.0 - M8 x 1.25 - M10 x 1.5 - M12 x 1.75 - M14 x 1.25
Drills	6.3 mm - 8.3 mm - 10.4 mm - 12.4 mm
Wire-thread inserts	M6 25 Pcs - M8 25 Pcs - M10 25 Pcs - M12 10 Pcs - M14 10 Pcs
Inserting tool	5 Pcs
Tang break tool	4 Pcs



E011-MX1

METRIC THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials

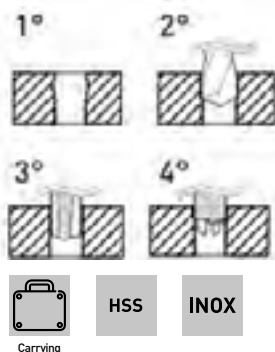


Art.	€	Dimensions	Boring bit	STI Taps	Inserting tool	Tang break tool	Inserts quantity
E011/M020X040	€ 26,20	M 2 x 0.4	Ø 2.1 mm	E011/M020X040M	E011/U02	E011/A02	20
E011/M025X045	€ 26,20	M 2.5 x 0.45	Ø 2.6 mm	E011/M025X045M	E011/U03	E011/A03	20
E011/M030X050	€ 26,20	M 3 x 0.5	Ø 3.2 mm	E011/M030X050M	E011/U04	E011/A04	20
E011/M035X060	€ 26,20	M 3.5 x 0.6	Ø 3.7 mm	E011/M035X060M	E011/U05	E011/A05	20
E011/M040X070	€ 26,20	M 4 x 0.7	Ø 4.2 mm	E011/M040X070M	E011/U06	E011/A06	20
E011/M050X080	€ 27,10	M 5 x 0.8	Ø 5.2 mm	E011/M050X080M	E011/U08	E011/A08	20
E011/M060X100	€ 28,80	M 6 x 1.0	Ø 6.3 mm	E011/M060X100M	E011/U09	E011/A09	20
E011/M070X100	€ 35,70	M 7 x 1.0	Ø 7.3 mm	E011/M070X100M	E011/U10	E011/A11	20
E011/M080X100	€ 35,70	M 8 x 1.0	Ø 8.3 mm	E011/M080X100M	E011/U11	E011/A11	20
E011/M080X125	€ 35,70	M 8 x 1.25	Ø 8.3 mm	E011/M080X125M	E011/U11	E011/A11	20
E011/M090X100	€ 35,70	M 9 x 1.0	Ø 9.3 mm	E011/M090X100M	E011/U12	E011/A12	10
E011/M090X125	€ 40,10	M 9 x 1.25	Ø 9.3 mm	E011/M090X125M	E011/U12	E011/A12	15
E011/M100X100	€ 38,30	M 10 x 1.0	Ø 10.3 mm	E011/M100X100M	E011/U13	E011/A13	15
E011/M100X125	€ 38,30	M 10 x 1.25	Ø 10.3 mm	E011/M100X125M	E011/U13	E011/A13	15
E011/M100X150	€ 38,30	M 10 x 1.5	Ø 10.4 mm	E011/M100X150M	E011/U13	E011/A13	15
E011/M110X150	€ 42,60	M 11 x 1.5	Ø 11.4 mm	E011/M110X150M	E011/U14	E011/A14	10
E011/M120X100	€ 42,60	M 12 x 1.0	Ø 12.3 mm	E011/M120X100M	E011/U15	E011/A15	10
E011/M120X125	€ 42,60	M 12 x 1.25	Ø 12.3 mm	E011/M120X125M	E011/U15	E011/A15	10
E011/M120X150	€ 42,60	M 12 x 1.5	Ø 12.4 mm	E011/M120X150M	E011/U15	E011/A15	10
E011/M120X175	€ 42,60	M 12 x 1.75	Ø 12.4 mm	E011/M120X175M	E011/U15	E011/A15	10
E011/M140X100	€ 49,50	M 14 x 1.0	-	E011/M140X100M	E011/U16	-	10
E011/M140X125	€ 49,50	M 14 x 1.25	-	E011/M140X125M	E011/U16	-	10
E011/M140X150	€ 49,50	M 14 x 1.5	-	E011/M140X150M	E011/U17	-	10
E011/M140X200	€ 49,50	M 14 x 2.0	-	E011/M140X200M	E011/U17	-	10
E011/M160X150	€ 58,20	M 16 x 1.5	-	E011/M160X150M	E011/U18	-	10
E011/M160X200	€ 58,20	M 16 x 2.0	-	E011/M160X200M	E011/U18	-	10
E011/M180X150	€ 68,60	M 18 x 1.5	-	E011/M180X150M	E011/U20	-	5
E011/M180X200	€ 68,60	M 18 x 2.0	-	E011/M180X200M	E011/U20	-	5
E011/M180X250	€ 68,60	M 18 x 2.5	-	E011/M180X250M	E011/U20	-	5
E011/M200X150	€ 74,60	M 20 x 1.5	-	E011/M200X150M	E011/U21	-	5
E011/M200X200	€ 74,60	M 20 x 2.0	-	E011/M200X200M	E011/U21	-	5
E011/M200X250	€ 74,60	M 20 x 2.5	-	E011/M200X250M	E011/U21	-	5
E011/M220X150	€ 85,00	M 22 x 1.5	-	E011/M220X150M	E011/U22	-	5
E011/M220X200	€ 85,00	M 22 x 2.0	-	E011/M220X200M	E011/U22	-	5
E011/M220X250	€ 85,00	M 22 x 2.5	-	E011/M220X250M	E011/U22	-	5
E011/M240X150	€ 96,30	M 24 x 1.5	-	E011/M240X150M	E011/U23	-	5
E011/M240X200	€ 96,30	M 24 x 2.0	-	E011/M240X200M	E011/U23	-	5
E011/M240X300	€ 96,30	M 24 x 3.0	-	E011/M240X300M	E011/U23	-	5

E011-MX2

METRIC THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials



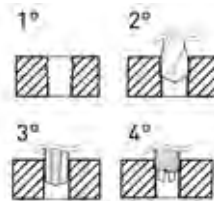
Art.	€	Dimensions	STI Taps	Inserting tool	Wire-thread inserts	Inserts quantity
E011/M260X150	€ 274,00	M 26 x 1.5	E011/M260X150M	E011/UM260X150	E010/M260X150E15	10
E011/M270X150	€ 274,00	M 27 x 1.5	E011/M270X150M	E011/UM270X150	E010/M270X150E15	10
E011/M270X200	€ 274,00	M 27 x 2.0	E011/M270X200M	E011/UM270X200	E010/M270X200E15	10
E011/M270X300	€ 274,00	M 27 x 3.0	E011/M270X300M	E011/UM270X300	E010/M270X300E15	10
E011/M280X150	€ 274,00	M 28 x 1.5	E011/M280X150M	E011/UM280X150	E010/M280X150E15	10
E011/M300X150	€ 326,00	M 30 x 1.5	E011/M300X150M	E011/UM300X150	E010/M300X150E15	10
E011/M300X200	€ 326,00	M 30 x 2.0	E011/M300X200M	E011/UM300X200	E010/M300X200E15	10
E011/M300X350	€ 326,00	M 30 x 3.5	E011/M300X350M	E011/UM300X350	E010/M300X350E15	10
E011/M330X200	€ 336,00	M 33 x 2.0	E011/M330X200M	E011/UM330X200	E010/M330X200E15	10
E011/M330X350	€ 336,00	M 33 x 3.5	E011/M330X350M	E011/UM330X350	E010/M330X350E15	10
E011/M360X150	€ 359,00	M 36 x 1.5	E011/M360X150M	E011/UM360X150	E010/M360X150E15	10
E011/M360X200	€ 359,00	M 36 x 2.0	E011/M360X200M	E011/UM360X200	E010/M360X200E15	10
E011/M360X300	€ 359,00	M 36 x 3.0	E011/M360X300M	E011/UM360X300	E010/M360X300E15	10
E011/M360X400	€ 359,00	M 36 x 4.0	E011/M360X400M	E011/UM360X400	E010/M360X400E15	10
E011/M390X300	€ 456,00	M 39 x 3.0	E011/M390X300M	E011/UM390X300	E010/M390X300E15	10
E011/M390X400	€ 522,00	M 39 x 4.0	E011/M390X400M	E011/UM390X400	E010/M390X400E15	10
E011/M400X300	€ 522,00	M 40 x 3.0	E011/M400X300M	E011/UM400X300	E010/M400X300E15	10
E011/M420X300	€ 522,00	M 42 x 3.0	E011/M420X300M	E011/UM420X300	E010/M420X300E15	10
E011/M420X450	€ 700,00	M 42 x 4.5	E011/M420X450M	E011/UM420X450	E010/M420X450E15	10
E011/M450X300	€ 633,00	M 45 x 3.0	E011/M450X300M	E011/UM450X300	E010/M450X300E15	10
E011/M450X450	€ 722,00	M 45 x 4.5	E011/M450X450M	E011/UM450X450	E010/M450X450E15	10
E011/M480X300	€ 633,00	M 48 x 3.0	E011/M480X300M	E011/UM480X300	E010/M480X300E15	10
E011/M480X500	€ 884,00	M 48 x 5.0	E011/M480X500M	E011/UM480X500	E010/M480X500E15	10
E011/M500X300	€ 700,00	M 50 x 3.0	E011/M500X300M	E011/UM500X300	E010/M500X300E15	10
E011/M520X300	€ 945,00	M 52 x 3.0	E011/M520X300M	E011/UM520X300	E010/M520X300E15	10
E011/M520X500	€ 1100,00	M 52 x 5.0	E011/M520X500M	E011/UM520X500	E010/M520X500E15	10

E011-MXC

SPARK PLUG METRIC THREAD REPAIR F-COIL SET

Specific for repairs or reinforcement of spark plug seats

HSS INOX



Art.	€	Size	Inserting tool	STI Taps	Wire-thread inserts
E011/M060X100C	€ 41,60	M 6 x 1.0	E011/U09	E011/M060X100M	10
E011/M080X125C	€ 41,60	M 8 x 1.25	E011/U11	E011/M080X125M	10
E011/M100X100C	€ 44,10	M 10 x 1.0	E011/U13	E011/M100X100M	10
E011/M100X125C	€ 44,10	M 10 x 1.25	E011/U13	E011/M100X125M	10
E011/M100X150C	€ 44,10	M 10 x 1.5	E011/U13	E011/M100X150M	10
E011/M120X125C	€ 52,20	M 12 x 1.25	E011/U15	E011/M120X125M	10
E011/M140X125C	€ 59,30	M 14 x 1.25	E011/U17	E011/M140X125M	5 x E010/M140X125E084 - 5 x E010/M140X125E124 - 5 x E010/M140X

E010-MXEXC

STAINLESS STEEL THREAD REPAIR INSERT

Specific for repairs or reinforcement of spark plug seats. With rhomboidal section, with spring shape, which creates two perfectly concentric threads; an external one that mates with the threaded hole previously made and an internal one that receives the screw

HSS INOX



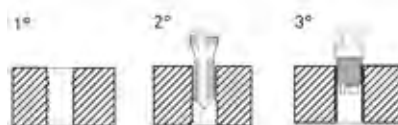
Art.	€	Dimensions	H	Pack
E010/M140X125E084	€ 0,76	M 14 x 1.25	8.4 mm	10
E010/M140X125E124	€ 0,68	M 14 x 1.25	12.4 mm	10
E010/M140X125E164	€ 0,75	M 14 x 1.25	16.4 mm	10

E011/M140X125B

€ 63,10

METRIC SPARK PLUG SOLID THREAD REPAIR SET

Specific for repairs or reinforcement of spark plug seats



HSS INOX

STI Taps	E011/M140X125MCB
Wire-thread inserts	4 x H 9.5 mm - 4 x H 11.2 mm - 4 x H 12.7 mm - 4 x H 17.5 mm

E011-M140X125EX

SOLID THREAD INSERT SPARK PLUG SET

Specific for repairs or reinforcement of spark plug seats

HSS INOX



Art.	€	Size	H	Pack
E011/M140X125E095	€ 3,72	M 14 x 1.25	9.5 mm	10
E011/M140X125E112	€ 3,90	M 14 x 1.25	11.2 mm	10
E011/M140X125E127	€ 3,90	M 14 x 1.25	12.7 mm	10
E011/M140X125E175	€ 4,15	M 14 x 1.25	17.5 mm	10

E011/M140X125MCB

€ 37,20

METRIC COMBINED TAP FOR SOLID INSERT

Specific for the creation of reset threads on spark plug seats

HSS INOX



Size	M 16 x 1.25
Hexagon	18 mm
L	70 mm
l	32mm

HSS INOX

Sizes	8 mm - 10 mm - 12 mm
STI Taps	M8x1 - M10x1 - M10x1.25 - M12x1 - M12x1.25 - M14x1.25



E011/MC

€ 184,00

METRIC GLOW PLUG SOLID THREAD REPAIR SET

Specific for repairs or reinforcement of glow plug seats



E011/BSW

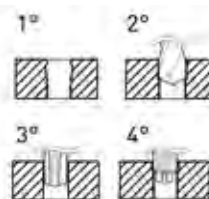
€ 218,00

1/4-1/2 BSW THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials

115 Pcs
 Carrying case
HSS INOX

Sizes	BSW 1/4" - 1/2"
STI Taps	1/4"x20-5/16"x18-3/8"x16-7/16"x14-1/2"x12
Drills	6.6 mm - 8.3 mm - 9.9 mm - 11.5 mm - 13.0 mm
Wire-thread inserts	1/4"=25 5/16"=25 3/8"=25 7/16"=10 1/2"=10
Inserting tool	5 Pcs
Tang break tool	5 Pcs



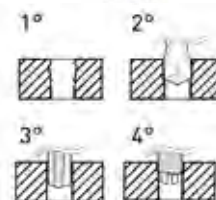
E011-BSWX

BSW THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials

Hangable
HSS INOX

Art.	€	Thread	Boring bit	STI Taps	Inserting tool	Tang break tool	Wire-thread inserts	Inserts quantity
E011/BSW1/8	€ 34,20	1/8" x 40	Ø 3.4 mm	E011/BSW1/8M	E011/U04	E011/A4	E010/BSW1/8E15	20
E011/BSW3/16	€ 34,20	3/16" x 24	Ø 5.0 mm	E011/BSW3/16M	E011/U08	E011/A8	E010/BSW3/16E15	20
E011/BSW1/4	€ 31,10	1/4" x 20	Ø 6.7 mm	E011/BSW1/4M	E011/U09	E011/A9	E010/BSW1/4E15	20
E011/BSW5/16	€ 37,50	5/16" x 18	Ø 8.3 mm	E011/BSW5/16M	E011/U10	E011/A11	E010/BSW5/16E15	20
E011/BSW3/8	€ 39,90	3/8" x 16	Ø 9.9 mm	E011/BSW3/8M	E011/U12	E011/A12	E010/BSW3/8E15	15
E011/BSW7/16	€ 44,40	7/16" x 14	Ø 11.5 mm	E011/BSW7/16M	E011/U14	E011/A14	E010/BSW7/16E15	10
E011/BSW1/2	€ 48,40	1/2" x 12	Ø 13.0 mm	E011/BSW1/2M	E011/U15	E011/A15	E010/BSW1/2E15	10
E011/BSW9/16	€ 63,90	9/16" x 12	-	E011/BSW9/16M	E011/U16	-	E010/BSW9/16E15	10
E011/BSW5/8	€ 63,90	5/8" x 11	-	E011/BSW5/8M	E011/U18	-	E010/BSW5/8E15	10
E011/BSW3/4	€ 80,80	3/4" x 10	-	E011/BSW3/4M	E011/U20	-	E010/BSW3/4E15	5
E011/BSW7/8	€ 97,60	7/8" x 9	-	E011/BSW7/8M	E011/U22	-	E010/BSW7/8E15	5
E011/BSW1	€ 93,20	1" x 8	-	E011/BSW1M	E011/U23	-	E010/BSW1E15	4



E011/BSF

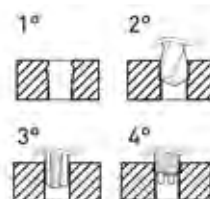
€ 218,00

1/4-1/2 BSF THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials

115 Pcs
 Carrying case
HSS

Sizes	BSF 1/4" - 1/2"
STI Taps	1/4"x26-5/16"x22-3/8"x20-7/16"x18-1/2"x16
Drills	6.6 mm - 8.3 mm - 9.9 mm - 11.5 mm - 13.0 mm
Wire-thread inserts	1/4"=25 5/16"=25 3/8"=25 7/16"=10 - 1/2"=10
Inserting tool	5 Pcs
Tang break tool	5 Pcs



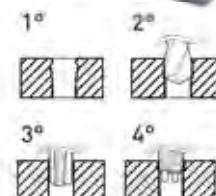
E011-BSFX

BSF THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials

Hangable
HSS INOX

Art.	€	Thread	Boring bit	STI Taps	Inserting tool	Tang break tool	Wire-thread inserts	Inserts quantity
E011/BSF3/16	€ 34,20	3/16" x 32	Ø 5.0 mm	E011/BSF3/16M	E011/U07	E011/A06	E010/BSF3/16E15	20
E011/BSF1/4	€ 31,10	1/4" x 26	Ø 6.6 mm	E011/BSF1/4M	E011/U09	E011/A09	E010/BSF1/4E15	20
E011/BSF5/16	€ 37,50	5/16" x 22	Ø 8.3 mm	E011/BSF5/16M	E011/U11	E011/A11	E010/BSF5/16E15	20
E011/BSF3/8	€ 39,90	3/8" x 20	Ø 9.9 mm	E011/BSF3/8M	E011/U13	E011/A13	E010/BSF3/8E15	15
E011/BSF7/16	€ 44,40	7/16" x 18	Ø 11.5 mm	E011/BSF7/16M	E011/U14	E011/A14	E010/BSF7/16E15	10
E011/BSF1/2	€ 48,40	1/2" x 16	Ø 13.0 mm	E011/BSF1/2M	E011/U15	E011/A15	E010/BSF1/2E15	10
E011/BSF9/16	€ 63,90	9/16" x 16	-	E011/BSF9/16M	E011/U16	-	E010/BSF9/16E15	10
E011/BSF5/8	€ 63,90	5/8" x 14	-	E011/BSF5/8M	E011/U18	-	E010/BSF5/8E15	10
E011/BSF3/4	€ 80,80	3/4" x 12	-	E011/BSF3/4M	E011/U20	-	E010/BSF3/4E15	5
E011/BSF7/8	€ 97,60	7/8" x 11	-	E011/BSF7/8M	E011/U22	-	E010/BSF7/8E15	5
E011/BSF1	€ 93,20	1" x 10	-	E011/BSF1M	E011/U23	-	E010/BSF1E15	4

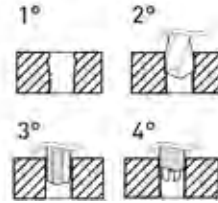


E011-BSPX
BSP THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials



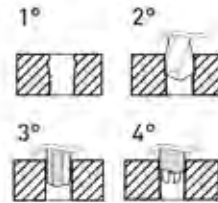
Art.	€	Thread	Taps	Wire-thread inserts	Inserts quantity
E011/BSP1/8	€ 69,60	1/8" x 28	E011/BSP1/8M	E010/BSP1/8ME15	10
E011/BSP1/4	€ 78,40	1/4" x 19	E011/BSP1/4M	E010/BSP1/4ME15	10
E011/BSP3/8	€ 86,10	3/8" x 19	E011/BSP3/8M	E010/BSP3/8ME15	10
E011/BSP1/2	€ 110,00	1/2" x 14	E011/BSP1/2M	E010/BSP1/2ME15	10
E011/BSP5/8	€ 224,00	5/8" x 14	E011/BSP5/8M	E010/BSP5/8ME15	10
E011/BSP3/4	€ 224,00	3/4" x 14	E011/BSP3/4M	E010/BSP3/4ME15	10
E011/BSP7/8	€ 311,00	7/8" x 14	E011/BSP7/8M	E010/BSP7/8ME15	10
E011/BSP1	€ 314,00	1" x 11	E011/BSP1M	E010/BSP1ME15	10


E011/UNC
€ 218,00
1/4-1/2 UNC THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials

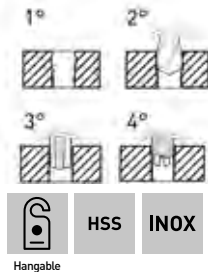


Sizes	UNC 1/4" - 1/2"
STI Taps	1/4"x20-5/16"x18-3/8"x16-7/16"x14-1/2"x13
Drills	6.7 mm - 8.6.7 mm - 8.3 mm - 9.9 mm - 11.6 mm - 13.0 mm 3 mm - 9.
Wire-thread inserts	1/4"=25 5/16"=25 3/8"=25 7/16"=10 1/2"=10
Inserting tool	5 Pcs
Tang break tool	5 Pcs


E011-UNCX
UNC THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials

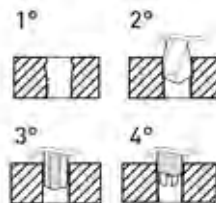
Art.	€	Thread	Drills	STI Taps	Inserting tool	Tang break tool	Wire-thread inserts	Inserts quantity
E011/UNCN02	€ 36,80	No. 2 x 56	Ø 2.4 mm	E011/UNCN02M	E011/U02	E011/A02	E010/UNCN02E15	20
E011/UNCN04	€ 33,40	No. 4 x 40	Ø 3.1 mm	E011/UNCN04M	E011/U04	E011/A04	E010/UNCN04E15	20
E011/UNCN05	€ 33,40	No. 5 x 40	Ø 3.4 mm	E011/UNCN05M	E011/U04	E011/A04	E010/UNCN05E15	20
E011/UNCN06	€ 33,40	No. 6 x 32	Ø 3.8 mm	E011/UNCN06M	E011/U05	E011/A05	E010/UNCN06E15	20
E011/UNCN08	€ 33,40	No. 8 x 32	Ø 4.4 mm	E011/UNCN08M	E011/U06	E011/A06	E010/UNCN08E15	20
E011/UNCN10	€ 33,40	No. 10 x 24	Ø 5.2 mm	E011/UNCN10M	E011/U07	E011/A06	E010/UNCN10E15	20
E011/UNCN12	€ 33,40	No. 12 x 24	Ø 5.8 mm	E011/UNCN12M	E011/U08	E011/A08	E010/UNCN12E15	20
E011/UNC1/4	€ 30,20	1/4" x 20	Ø 6.7 mm	E011/UNC1/4M	E011/U09	E011/A09	E010/UNC1/4E15	20
E011/UNC5/16	€ 36,70	5/16" x 18	Ø 8.3 mm	E011/UNC5/16M	E011/U10	E011/A11	E010/UNC5/16E15	20
E011/UNC3/8	€ 39,00	3/8" x 16	Ø 9.9 mm	E011/UNC3/8M	E011/U06	E011/A06	E010/UNC3/8E15	20
E011/UNC7/16	€ 43,50	7/16" x 14	Ø 11.6 mm	E011/UNC7/16M	E011/U14	E011/A14	E010/UNC7/16E15	10
E011/UNC1/2	€ 47,60	1/2" x 13	Ø 13.0 mm	E011/UNC1/2M	E011/U15	E011/A15	E010/UNC1/2E15	10
E011/UNC9/16	€ 63,00	9/16" x 12	-	E011/UNC9/16M	E011/U16	-	E010/UNC9/16E15	10
E011/UNC5/8	€ 63,00	5/8" x 1	-	E011/UNC5/8M	E011/U18	-	E010/UNC5/8E15	10
E011/UNC3/4	€ 79,90	3/4" x 10	-	E011/UNC3/4M	E011/U20	-	E010/UNC3/4E15	5
E011/UNC7/8	€ 96,70	7/8" x 9	-	E011/UNC7/8M	E011/U22	-	E010/UNC7/8E15	5
E011/UNC1	€ 92,30	1" x 8	-	E011/UNC1M	E011/U23	-	E010/UNC1E15	4


E011/UNF
€ 218,00
1/4-1/2 UNF THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials



Sizes	UNF 1/4" - 1/2"
STI Taps	1/4"x28-5/16"x24-3/8"x24-7/16"x20-1/2"x20
Drills	6.7 mm - 8.3 mm - 9.8 mm - 11.5 mm - 13.0 mm
Wire-thread inserts	1/4"=25 5/16"=25 3/8"=25 7/16"=10 - 1/2"=10
Inserting tool	5 Pcs
Tang break tool	5 Pcs





E011-UNFX

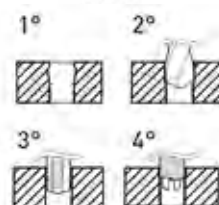
UNF THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials


HSS
INOX

Hangable

Art.	€	Thread	Drills	STI Taps	Inserting tool	Tang break tool	Wire-thread inserts	Inserts quantity
E011/UNFN06	€ 33,40	No. 6 x 40	Ø 3.8 mm	E011/UNFN06M	E011/U05	E011/A05	E010/UNFN06E15	20
E011/UNFN08	€ 33,40	No. 8 x 36	Ø 4.4 mm	E011/UNFN08M	E011/U06	E011/A06	E010/UNFN08E15	20
E011/UNFN10	€ 33,40	No. 10 x 32	Ø 5.1 mm	E011/UNFN10M	E011/U08	E011/A08	E010/UNFN10E15	20
E011/UNF1/4	€ 30,20	1/4" x 28	Ø 6.7 mm	E011/UNF1/4M	E011/U09	E011/A09	E010/UNF1/4E15	20
E011/UNF5/16	€ 36,70	5/16" x 24	Ø 8.3 mm	E011/UNF5/16M	E011/U11	E011/A11	E010/UNF5/16E15	20
E011/UNF3/8	€ 39,00	3/8" x 24	Ø 9.8 mm	E011/UNF3/8M	E011/U13	E011/A13	E010/UNF3/8E15	15
E011/UNF7/16	€ 43,50	7/16" x 20	Ø 11.5 mm	E011/UNF7/16M	E011/U14	E011/A14	E010/UNF7/16E15	10
E011/UNF1/2	€ 47,60	1/2" x 20	Ø 13.0 mm	E011/UNF1/2M	E011/U15	E011/A15	E010/UNF1/2E15	10
E011/UNF9/16	€ 63,00	9/16" x 18	-	E011/UNF9/16M	E011/U16	-	E010/UNF9/16E15	10
E011/UNF5/8	€ 63,00	5/8" x 18	-	E011/UNF5/8M	E011/U18	-	E010/UNF5/8E15	10
E011/UNF3/4	€ 79,90	3/4" x 16	-	E011/UNF3/4M	E011/U21	-	E010/UNF3/4E15	5
E011/UNF7/8	€ 96,70	7/8" x 14	-	E011/UNF7/8M	E011/U22	-	E010/UNF7/8E15	5
E011/UNF1	€ 92,30	1" x 12	-	E011/UNF112M	E011/U23	-	E010/UNF1E15	4



E010-MXE1

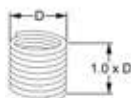
STAINLESS STEEL THREAD REPAIR INSERT H=1XD

Rhomboid section, with spring shape, which creates two perfectly concentric threads; an external one that is coupled with the previously threaded hole with the appropriate male and an internal one where the fixing screw will be screwed




INOX

Hangable



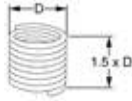
Art.	€	D	Pack
E010/M020X040E1	€ 0,65	M 2 x 0.4	25
E010/M022X045E1	€ 0,65	M 2.2 x 0.45	25
E010/M025X045E1	€ 0,20	M 2.5 x 0.45	25
E010/M030X050E1	€ 0,20	M 3 x 0.5	25
E010/M035X060E1	€ 0,22	M 3.5 x 0.6	25
E010/M040X070E1	€ 0,20	M 4 x 0.7	25
E010/M050X080E1	€ 0,22	M 5 x 0.8	25
E010/M060X100E1	€ 0,25	M 6 x 1.0	25
E010/M070X100E1	€ 0,26	M 7 x 1.0	25
E010/M080X100E1	€ 0,29	M 8 x 1.0	25
E010/M080X125E1	€ 0,25	M 8 x 1.25	25
E010/M090X125E1	€ 0,35	M 9 x 1.25	25
E010/M100X100E1	€ 0,31	M 10 x 1.0	25
E010/M100X125E1	€ 0,31	M 10 x 1.25	25
E010/M100X150E1	€ 0,31	M 10 x 1.5	25
E010/M110X150E1	€ 0,53	M 11 x 1.5	10
E010/M120X100E1	€ 0,47	M 12 x 1.0	10
E010/M120X125E1	€ 0,47	M 12 x 1.25	10
E010/M120X150E1	€ 0,47	M 12 x 1.5	10
E010/M120X175E1	€ 0,47	M 12 x 1.75	10
E010/M140X100E1	€ 0,80	M 14 x 1.0	10
E010/M140X125E1	€ 0,66	M 14 x 1.25	10
E010/M140X150E1	€ 0,66	M 14 x 1.5	10
E010/M140X200E1	€ 0,66	M 14 x 2.0	10
E010/M160X150E1	€ 0,90	M 16 x 1.5	10
E010/M160X200E1	€ 0,90	M 16 x 2.0	10
E010/M180X150E1	€ 1,30	M 18 x 1.5	10
E010/M180X200E1	€ 1,30	M 18 x 2.0	10
E010/M180X250E1	€ 1,30	M 18 x 2.5	10
E010/M200X150E1	€ 1,52	M 20 x 1.5	10
E010/M200X200E1	€ 1,52	M 20 x 2.0	10
E010/M200X250E1	€ 1,52	M 20 x 2.5	10
E010/M220X150E1	€ 1,65	M 22 x 1.5	5
E010/M220X200E1	€ 1,65	M 22 x 2.0	5
E010/M220X250E1	€ 1,65	M 22 x 2.5	5
E010/M240X150E1	€ 2,07	M 24 x 1.5	5
E010/M240X200E1	€ 2,07	M 24 x 2.0	5
E010/M240X300E1	€ 2,07	M 24 x 3.0	5



E010-MXE15

STAINLESS STEEL THREAD REPAIR INSERT H=1.5XD

Rhomboid section, with spring shape, which creates two perfectly concentric threads; an external one that is coupled with the previously threaded hole with the appropriate male and an internal one where the fixing screw will be screwed

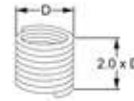


Art.	€	D	Pack
E010/M020X040E15	€ 0,84	M 2 x 0.4	25
E010/M022X045E15	€ 0,84	M 2.2 x 0.45	25
E010/M025X045E15	€ 0,21	M 2.5 x 0.45	25
E010/M030X050E15	€ 0,21	M 3 x 0.5	25
E010/M035X060E15	€ 0,25	M 3.5 x 0.6	25
E010/M040X070E15	€ 0,21	M 4 x 0.7	25
E010/M050X080E15	€ 0,19	M 5 x 0.8	25
E010/M060X100E15	€ 0,20	M 6 x 1.0	25
E010/M070X100E15	€ 0,31	M 7 x 1.0	25
E010/M080X100E15	€ 0,29	M 8 x 1.0	25
E010/M080X125E15	€ 0,25	M 8 x 1.25	25
E010/M090X100E15	€ 0,55	M 9 x 1.0	25
E010/M090X125E15	€ 0,47	M 9 x 1.25	25
E010/M100X100E15	€ 0,35	M 10 x 1.0	25
E010/M100X125E15	€ 0,35	M 10 x 1.25	25
E010/M100X150E15	€ 0,35	M 10 x 1.5	25
E010/M110X150E15	€ 0,59	M 11 x 1.5	10
E010/M120X100E15	€ 0,54	M 12 x 1.0	10
E010/M120X125E15	€ 0,54	M 12 x 1.25	10
E010/M120X150E15	€ 0,54	M 12 x 1.5	10
E010/M120X175E15	€ 0,54	M 12 x 1.75	10
E010/M140X100E15	€ 0,64	M 14 x 1.0	10
E010/M140X125E15	€ 0,64	M 14 x 1.25	10
E010/M140X150E15	€ 0,64	M 14 x 1.50	10
E010/M140X200E15	€ 0,64	M 14 x 2.0	10
E010/M160X150E15	€ 0,74	M 16 x 1.5	10
E010/M160X200E15	€ 0,74	M 16 x 2.0	10
E010/M180X150E15	€ 1,14	M 18 x 1.5	10
E010/M180X200E15	€ 1,14	M 18 x 2.0	10
E010/M180X250E15	€ 1,14	M 18 x 2.5	10
E010/M200X150E15	€ 1,46	M 20 x 1.5	10
E010/M200X200E15	€ 1,46	M 20 x 2.0	10
E010/M200X250E15	€ 1,46	M 20 x 2.5	10
E010/M220X150E15	€ 2,07	M 22 x 1.5	5
E010/M220X200E15	€ 2,07	M 22 x 2.0	5
E010/M220X250E15	€ 2,07	M 22 x 2.5	5
E010/M240X150E15	€ 2,20	M 24 x 1.5	5
E010/M240X200E15	€ 2,20	M 24 x 2.0	5
E010/M240X300E15	€ 2,20	M 24 x 3.0	5
E010/M260X150E15	€ 4,12	M 26 x 1.5	5
E010/M270X150E15	€ 4,12	M 27 x 1.5	5
E010/M270X200E15	€ 4,12	M 27 x 2.0	5
E010/M270X300E15	€ 4,12	M 27 x 3.0	5
E010/M280X150E15	€ 4,12	M 28 x 1.5	5
E010/M300X150E15	€ 5,00	M 30 x 1.5	5
E010/M300X200E15	€ 5,00	M 30 x 2.0	5
E010/M300X350E15	€ 5,00	M 30 x 3.5	5
E010/M330X200E15	€ 5,90	M 33 x 2.0	5
E010/M330X350E15	€ 5,90	M 33 x 3.5	5
E010/M360X150E15	€ 5,90	M 36 x 1.5	5
E010/M360X200E15	€ 5,90	M 36 x 2.0	5
E010/M360X300E15	€ 5,90	M 36 x 3.0	5
E010/M360X400E15	€ 5,90	M 36 x 4.0	5
E010/M390X300E15	€ 13,00	M 39 x 3.0	5
E010/M390X400E15	€ 13,00	M 39 x 4.0	5
E010/M400X300E15	€ 18,10	M 40 x 3.0	5
E010/M420X300E15	€ 18,10	M 42 x 3.0	5
E010/M420X450E15	€ 18,10	M 42 x 4.5	5
E010/M450X300E15	€ 21,70	M 45 x 3.0	5
E010/M450X450E15	€ 21,70	M 45 x 4.5	5
E010/M480X300E15	€ 21,70	M 48 x 3.0	5
E010/M480X500E15	€ 28,50	M 48 x 5.0	5
E010/M500X300E15	€ 28,50	M 50 x 3.0	5
E010/M520X300E15	€ 30,60	M 52 x 3.0	5
E010/M520X500E15	€ 30,60	M 52 x 5.0	5

E010-MXE2

STAINLESS STEEL THREAD REPAIR INSERT H=2XD

Rhomboid section, with spring shape, which creates two perfectly concentric threads; an external one that is coupled with the previously threaded hole with the appropriate male and an internal one where the fixing screw will be screwed



Art.	€	D	Pack
E010/M020X040E2	€ 0,98	M 2 x 0.4	25
E010/M022X045E2	€ 0,98	M 2.2 x 0.45	25
E010/M025X045E2	€ 0,22	M 2.5 x 0.45	25
E010/M030X050E2	€ 0,22	M 3 x 0.5	25
E010/M035X060E2	€ 0,25	M 3.5 x 0.6	25
E010/M040X070E2	€ 0,22	M 4 x 0.7	25
E010/M050X080E2	€ 0,25	M 5 x 0.8	25
E010/M060X100E2	€ 0,29	M 6 x 1.0	25
E010/M070X100E2	€ 0,35	M 7 x 1.0	25
E010/M080X100E2	€ 0,37	M 8 x 1.0	25
E010/M080X125E2	€ 0,35	M 8 x 1.25	25
E010/M090X125E2	€ 0,47	M 9 x 1.25	25
E010/M100X100E2	€ 0,40	M 10 x 1.0	25
E010/M100X125E2	€ 0,40	M 10 x 1.25	25
E010/M100X150E2	€ 0,40	M 10 x 1.5	25
E010/M110X150E2	€ 0,64	M 11 x 1.5	10
E010/M120X100E2	€ 0,61	M 12 x 1.0	10
E010/M120X125E2	€ 0,61	M 12 x 1.25	10
E010/M120X150E2	€ 0,61	M 12 x 1.5	10
E010/M120X175E2	€ 0,61	M 12 x 1.75	10
E010/M140X100E2	€ 0,79	M 14 x 1.0	10
E010/M140X125E2	€ 0,79	M 14 x 1.25	10
E010/M140X150E2	€ 0,79	M 14 x 1.5	10
E010/M140X200E2	€ 0,79	M 14 x 2.0	10
E010/M160X150E2	€ 1,16	M 16 x 1.5	10
E010/M160X200E2	€ 1,16	M 16 x 2.0	10
E010/M180X150E2	€ 2,07	M 18 x 1.5	10
E010/M180X200E2	€ 2,07	M 18 x 2.0	10
E010/M180X250E2	€ 2,07	M 18 x 2.5	10
E010/M200X150E2	€ 2,47	M 20 x 1.5	10
E010/M200X200E2	€ 2,47	M 20 x 2.0	10
E010/M200X250E2	€ 2,47	M 20 x 2.5	10
E010/M220X150E2	€ 2,62	M 22 x 1.5	5
E010/M220X200E2	€ 2,62	M 22 x 2.0	5
E010/M220X250E2	€ 2,62	M 22 x 2.5	5
E010/M240X150E2	€ 2,74	M 24 x 1.5	5
E010/M240X200E2	€ 2,74	M 24 x 2.0	5
E010/M240X300E2	€ 2,74	M 24 x 3.0	5



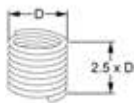
E010-MXE25

STAINLESS STEEL THREAD REPAIR INSERT H=2.5XD

Rhomboid section, with spring shape, which creates two perfectly concentric threads; an external one that is coupled with the previously threaded hole with the appropriate male and an internal one where the fixing screw will be screwed



INOX



Art.	€	D	Pack
E010/M020X040E25	€ 1,10	2 x 0.4	25
E010/M022X045E25	€ 1,10	2.2 x 0.45	25
E010/M025X045E25	€ 0,26	2.5 x 0.45	25
E010/M030X050E25	€ 0,26	3 x 0.5	25
E010/M035X060E25	€ 0,29	3.5 x 0.6	25
E010/M040X070E25	€ 0,26	4 x 0.7	25
E010/M050X080E25	€ 0,30	5 x 0.8	25
E010/M060X100E25	€ 0,35	6 x 1.0	25
E010/M070X100E25	€ 0,42	7 x 1.0	25
E010/M080X100E25	€ 0,44	8 x 1.0	25
E010/M080X125E25	€ 0,42	8 x 1.25	25
E010/M090X125E25	€ 0,52	9 x 1.25	25
E010/M100X100E25	€ 0,48	10 x 1.0	25
E010/M100X125E25	€ 0,48	10 x 1.25	25
E010/M100X150E25	€ 0,48	10 x 1.5	25
E010/M110X150E25	€ 0,72	11 x 1.5	10
E010/M120X100E25	€ 0,72	12 x 1.0	10
E010/M120X125E25	€ 0,72	12 x 1.25	10
E010/M120X150E25	€ 0,72	12 x 1.5	10
E010/M120X175E25	€ 0,72	12 x 1.75	10
E010/M140X100E25	€ 0,95	14 x 1.0	10
E010/M140X125E25	€ 0,95	14 x 1.25	10
E010/M140X150E25	€ 0,95	14 x 1.5	10
E010/M140X200E25	€ 0,95	14 x 2.0	10
E010/M160X150E25	€ 1,26	16 x 1.5	10
E010/M160X200E25	€ 1,26	16 x 2.0	10
E010/M180X150E25	€ 2,34	18 x 1.5	10
E010/M180X200E25	€ 2,34	18 x 2.0	10
E010/M180X250E25	€ 2,34	18 x 2.5	10
E010/M200X150E25	€ 2,74	20 x 1.5	10
E010/M200X200E25	€ 2,74	20 x 2.0	10
E010/M200X250E25	€ 2,74	20 x 2.5	10
E010/M220X150E25	€ 3,02	22 x 1.5	5
E010/M220X200E25	€ 3,02	22 x 2.0	5
E010/M220X250E25	€ 3,02	22 x 2.5	5
E010/M240X150E25	€ 3,29	24 x 1.5	5
E010/M240X200E25	€ 3,29	24 x 2.0	5
E010/M240X300E25	€ 3,29	24 x 3.0	5

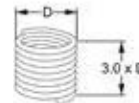
E010-MXE3

STAINLESS STEEL THREAD REPAIR INSERT H=3XD

Rhomboid section, with spring shape, which creates two perfectly concentric threads; an external one that is coupled with the previously threaded hole with the appropriate male and an internal one where the fixing screw will be screwed



INOX



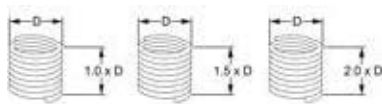
Art.	€	D	Pack
E010/M020X040E3	€ 1,37	M 2 x 0.4	25
E010/M022X045E3	€ 1,37	M 2.2 x 0.45	25
E010/M025X045E3	€ 0,31	M 2.5 x 0.45	25
E010/M030X050E3	€ 0,31	M 3 x 0.5	25
E010/M035X060E3	€ 0,35	M 3.5 x 0.6	25
E010/M040X070E3	€ 0,29	M 4 x 0.7	25
E010/M050X080E3	€ 0,36	M 5 x 0.8	25
E010/M060X100E3	€ 0,43	M 6 x 1.0	25
E010/M070X100E3	€ 0,49	M 7 x 1.0	25
E010/M080X100E3	€ 0,54	M 8 x 1.0	25
E010/M080X125E3	€ 0,49	M 8 x 1.25	25
E010/M090X125E3	€ 0,61	M 9 x 1.25	25
E010/M100X100E3	€ 0,58	M 10 x 1.0	25
E010/M100X125E3	€ 0,58	M 10 x 1.25	25
E010/M100X150E3	€ 0,58	M 10 x 1.5	25
E010/M110X150E3	€ 0,86	M 11 x 1.5	10
E010/M120X100E3	€ 0,86	M 12 x 1.0	10
E010/M120X125E3	€ 0,86	M 12 x 1.25	10
E010/M120X150E3	€ 0,86	M 12 x 1.5	10
E010/M120X175E3	€ 0,86	M 12 x 1.75	10
E010/M140X100E3	€ 1,16	M 14 x 1.0	10
E010/M140X125E3	€ 1,16	M 14 x 1.25	10
E010/M140X150E3	€ 1,16	M 14 x 1.5	10
E010/M140X200E3	€ 1,37	M 14 x 2.0	10
E010/M160X150E3	€ 1,37	M 16 x 1.5	10
E010/M160X200E3	€ 1,37	M 16 x 2.0	10
E010/M180X150E3	€ 2,74	M 18 x 1.5	10
E010/M180X200E3	€ 2,74	M 18 x 2.0	10
E010/M180X250E3	€ 2,74	M 18 x 2.5	10
E010/M200X150E3	€ 3,17	M 20 x 1.5	10
E010/M200X200E3	€ 3,17	M 20 x 2.0	10
E010/M200X250E3	€ 3,17	M 20 x 2.5	10
E010/M220X150E3	€ 3,44	M 22 x 1.5	5
E010/M220X200E3	€ 3,44	M 22 x 2.0	5
E010/M220X250E3	€ 3,44	M 22 x 2.5	5
E010/M240X150E3	€ 3,84	M 24 x 1.5	5
E010/M240X200E3	€ 3,84	M 24 x 2.0	5
E010/M240X300E3	€ 3,84	M 24 x 3.0	5



E010-MXEXA

SELF-LOCK STAINLESS STEEL THREAD REPAIR INSERT

Rhomboid section, with spring shape, which creates two perfectly concentric threads; an external one that is coupled with the previously threaded hole with the appropriate male and an internal one where the fixing screw will be screwed

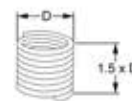


Art.	€	D	Height	Pack
E010/M030X050E1A	€ 0,30	M 3 x 0.5	1.0 D	25
E010/M040X070E1A	€ 0,30	M 4 x 0.7	1.0 D	25
E010/M050X080E1A	€ 0,35	M 5 x 0.8	1.0 D	25
E010/M060X100E1A	€ 0,38	M 6 x 1.0	1.0 D	25
E010/M080X125E1A	€ 0,40	M 8 x 1.25	1.0 D	25
E010/M100X150E1A	€ 0,52	M 10 x 1.5	1.0 D	25
E010/M120X175E1A	€ 0,74	M 12 x 1.75	1.0 D	10
E010/M140X200E1A	€ 1,07	M 14 x 2.0	1.0 D	10
E010/M160X200E1A	€ 1,43	M 16 x 2.0	1.0 D	10
E010/M030X050E15A	€ 0,33	M 3 x 0.5	1.5 D	25
E010/M040X070E15A	€ 0,33	M 4 x 0.7	1.5 D	25
E010/M050X080E15A	€ 0,36	M 5 x 0.8	1.5 D	25
E010/M060X100E15A	€ 0,42	M 6 x 1.0	1.5 D	25
E010/M080X125E15A	€ 0,46	M 8 x 1.5	1.5 D	25
E010/M100X150E15A	€ 0,55	M 10 x 1.5	1.5 D	25
E010/M120X175E15A	€ 0,85	M 12 x 1.75	1.5 D	10
E010/M140X200E15A	€ 1,21	M 14 x 2.0	1.5 D	10
E010/M160X200E15A	€ 1,50	M 16 x 2.0	1.5 D	10
E010/M030X050E2A	€ 0,35	M 3 x 0.5	2.0 D	25
E010/M040X070E2A	€ 0,35	M 4 x 0.7	2.0 D	25
E010/M050X080E2A	€ 0,40	M 5 x 0.8	2.0 D	25
E010/M060X100E2A	€ 0,46	M 6 x 1.0	2.0 D	25
E010/M080X125E2A	€ 0,55	M 8 x 1.25	2.0 D	25
E010/M100X150E2A	€ 0,64	M 10 x 1.5	2.0 D	25
E010/M120X175E2A	€ 0,97	M 12 x 1.75	2.0 D	10
E010/M140X200E2A	€ 1,26	M 14 x 2.0	2.0 D	10
E010/M160X200E2A	€ 1,84	M 16 x 2.0	2.0 D	10

E010-BSWXEX

STAINLESS STEEL THREAD REPAIR INSERT BSW H=1.5XD

Rhomboid section, with spring shape, which creates two perfectly concentric threads; an external one that is coupled with the previously threaded hole with the appropriate male and an internal one where the fixing screw will be screwed

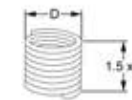


Art.	€	D	Pack
E010/BSW1/8E15	€ 1,01	1/8" x 40	10
E010/BSW3/16E15	€ 1,01	3/16" x 24	10
E010/BSW1/4E15	€ 0,47	1/4" x 20	10
E010/BSW5/16E15	€ 0,55	5/16" x 18	10
E010/BSW3/8E15	€ 0,86	3/8" x 16	10
E010/BSW7/16E15	€ 1,01	7/16" x 14	10
E010/BSW1/2E15	€ 1,01	1/2" x 12	10
E010/BSW9/16E15	€ 3,20	9/16" x 12	5
E010/BSW5/8E15	€ 3,20	5/8" x 11	5
E010/BSW3/4E15	€ 3,66	3/4" x 10	5
E010/BSW7/8E15	€ 5,50	7/8" x 9	5
E010/BSW1E15	€ 5,90	1" x 8	5

E010-BSFXEX

STAINLESS STEEL THREAD REPAIR INSERT BSF H=1.5XD

Rhomboid section, with spring shape, which creates two perfectly concentric threads; an external one that is coupled with the previously threaded hole with the appropriate male and an internal one where the fixing screw will be screwed



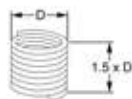
Art.	€	D	Pack
E010/BSF3/16E15	€ 1,01	3/16" x 32	10
E010/BSF1/4E15	€ 0,47	1/4" x 26	10
E010/BSF5/16E15	€ 0,55	5/16" x 22	10
E010/BSF3/8E15	€ 0,86	3/8" x 20	10
E010/BSF7/16E15	€ 1,01	7/16" x 18	10
E010/BSF1/2E15	€ 1,01	1/2" x 16	10
E010/BSF9/16E15	€ 3,48	9/16" x 16	5
E010/BSF5/8E15	€ 3,48	5/8" x 14	5
E010/BSF3/4E15	€ 4,39	3/4" x 12	5
E010/BSF7/8E15	€ 5,50	7/8" x 11	5
E010/BSF1E15	€ 5,50	1" x 10	5



E010-BSPXEX

STAINLESS STEEL THREAD REPAIR INSERT BSP H=1.5XD

Rhomboid section, with spring shape, which creates two perfectly concentric threads; an external one that is coupled with the previously threaded hole with the appropriate male and an internal one where the fixing screw will be screwed

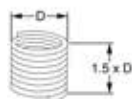


Art.	€	D	Pack
E010/BSP1/8E15	€ 0,78	1/8" x 28	10
E010/BSP1/4E15	€ 0,91	1/4" x 19	10
E010/BSP3/8E15	€ 1,19	3/8" x 19	10
E010/BSP1/2E15	€ 1,36	1/2" x 14	10
E010/BSP5/8E15	€ 3,66	5/8" x 14	5
E010/BSP3/4E15	€ 3,66	3/4" x 14	5
E010/BSP7/8E15	€ 11,00	7/8" x 14	5
E010/BSP1E15	€ 11,00	1" x 11	5

E010-UNFXEX

STAINLESS STEEL THREAD REPAIR INSERT UNF H=1.5XD

Rhomboid section, with spring shape, which creates two perfectly concentric threads; an external one that is coupled with the previously threaded hole with the appropriate male and an internal one where the fixing screw will be screwed

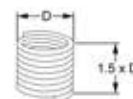


Art.	€	D	Pack
E010/UNFN04E15	€ 0,99	No. 4 x 48	10
E010/UNFN06E15	€ 0,99	No. 6 x 40	10
E010/UNFN08E15	€ 0,99	No. 8 x 36	10
E010/UNFN10E15	€ 0,39	No. 10 x 32	10
E010/UNF1/4E15	€ 0,39	1/4" x 28	10
E010/UNF5/16E15	€ 0,56	5/16" x 24	10
E010/UNF3/8E15	€ 0,81	3/8" x 24	10
E010/UNF7/16E15	€ 1,08	7/16" x 20	10
E010/UNF1/2E15	€ 1,08	1/2" x 20	10
E010/UNF9/16E15	€ 2,25	9/16" x 18	5
E010/UNF5/8E15	€ 2,25	5/8" x 18	5
E010/UNF3/4E15	€ 2,25	3/4" x 16	5
E010/UNF7/8E15	€ 5,80	7/8" x 14	5
E010/UNF1E15	€ 5,80	1" x 12	5

E010-UNCXEX

STAINLESS STEEL THREAD REPAIR INSERT UNC H=1.5XD

Rhomboid section, with spring shape, which creates two perfectly concentric threads; an external one that is coupled with the previously threaded hole with the appropriate male and an internal one where the fixing screw will be screwed

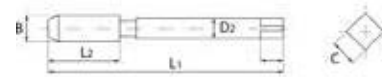
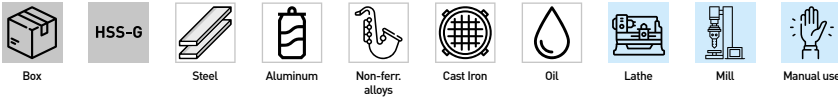


Art.	€	D	Pack
E010/UNCN02E15	€ 1,14	No. 2 x 56	10
E010/UNCN04E15	€ 0,35	No. 4 x 40	10
E010/UNCN05E15	€ 0,42	No. 5 x 40	10
E010/UNCN06E15	€ 0,33	No. 6 x 32	10
E010/UNCN08E15	€ 0,33	No. 8 x 32	10
E010/UNCN10E15	€ 0,37	No. 10 x 24	10
E010/UNCN12E15	€ 0,44	No. 12 x 24	10
E010/UNC1/4E15	€ 0,44	1/4" x 20	10
E010/UNC5/16E15	€ 0,62	5/16" x 18	10
E010/UNC3/8E15	€ 0,81	3/8" x 16	10
E010/UNC7/16E15	€ 1,08	7/16" x 14	10
E010/UNC1/2E15	€ 1,08	1/2" x 13	10
E010/UNC9/16E15	€ 1,16	9/16" x 12	5
E010/UNC5/8E15	€ 2,32	5/8" x 11	5
E010/UNC3/4E15	€ 3,29	3/4" x 10	5
E010/UNC7/8E15	€ 4,94	7/8" x 9	5
E010/UNC1E15	€ 4,94	1" x 8	5

E011-MXM

METRIC F-COIL STI TAP

Special type for creating the threaded insert housing seat



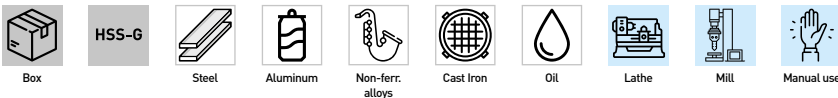
Art.	€	Size	B	L1	L2	D2	C
E011/M020X040M	€ 10,40	M 2 x 0.40	2.5 mm	44.5 mm	9.5 mm	2.8 mm	2.24 mm
E011/M025X045M	€ 10,40	M 2.5 x 0.45	3.1 mm	48.0 mm	11.0 mm	3.15 mm	2.5 mm
E011/M030X050M	€ 10,40	M 3 x 0.5	3.6 mm	53.0 mm	13.0 mm	4.0 mm	3.15 mm
E011/M035X060M	€ 10,40	M 3.5 x 0.6	4.3 mm	53.0 mm	13.0 mm	4.5 mm	3.55 mm
E011/M040X070M	€ 10,40	M 4 x 0.7	4.9 mm	58 mm	16.0 mm	5.0 mm	4.00 mm
E011/M050X080M	€ 10,40	M 5 x 0.8	6.0 mm	66.0 mm	19.0 mm	6.3 mm	5.00 mm
E011/M060X100M	€ 10,40	M 6 x 1.0	7.3 mm	72.0 mm	22.0 mm	8.0 mm	6.30 mm
E011/M070X100M	€ 12,10	M 7 x 1.0	8.3 mm	72.0 mm	22.0 mm	9.0 mm	7.10 mm
E011/M080X100M	€ 12,10	M 8 x 1.0	9.3 mm	80.0 mm	24.0 mm	10.0 mm	8.00 mm
E011/M080X125M	€ 12,10	M 8 x 1.25	9.6 mm	80.0 mm	24.0 mm	8.0 mm	8.00 mm
E011/M090X100M	€ 13,80	M 9 x 1.0	10.6 mm	85.0 mm	25.0 mm	8.0 mm	6.30 mm
E011/M090X125M	€ 13,80	M 9 x 1.25	10.6 mm	85.0 mm	25.0 mm	8.0 mm	6.30 mm
E011/M100X100M	€ 13,80	M 10 x 1.0	11.3 mm	85.0 mm	25.0 mm	8.0 mm	6.30 mm
E011/M100X125M	€ 13,80	M 10 x 1.25	11.6 mm	85.0 mm	25.0 mm	8.0 mm	6.30 mm
E011/M100X150M	€ 13,80	M 10 x 1.5	11.9 mm	89.0 mm	29.0 mm	9.0 mm	7.10 mm
E011/M110X150M	€ 18,10	M 11 x 1.5	12.9 mm	89.0 mm	29.0 mm	9.0 mm	7.10 mm
E011/M120X100M	€ 18,10	M 12 x 1.0	13.3 mm	95.0 mm	30.0 mm	11.2 mm	9.00 mm
E011/M120X125M	€ 19,00	M 12 x 1.25	13.6 mm	95.0 mm	30.0 mm	11.2 mm	9.00 mm
E011/M120X150M	€ 19,00	M 12 x 1.5	14.0 mm	95.0 mm	30.0 mm	11.2 mm	9.00 mm

Art.	€	Size	B	L1	L2	D2	C
E011/M120X175M	€ 19,00	M 12 x 1.75	14.3 mm	95.0 mm	30.0 mm	11.2 mm	9.00 mm
E011/M140X100M	€ 21,60	M 14 x 1.0	15.3 mm	102.0 mm	32.0 mm	12.5 mm	10.00 mm
E011/M140X125M	€ 21,60	M 14 x 1.25	15.6 mm	102.0 mm	32.0 mm	12.5 mm	10.00 mm
E011/M140X150M	€ 21,60	M 14 x 1.5	16.0 mm	102.0 mm	32.0 mm	12.5 mm	10.00 mm
E011/M140X200M	€ 21,60	M 14 x 2.0	16.6 mm	102.0 mm	32.0 mm	12.5 mm	10.00 mm
E011/M160X150M	€ 26,80	M 16 x 1.5	18.0 mm	104.0 mm	29.0 mm	14.0 mm	11.20 mm
E011/M160X200M	€ 26,80	M 16 x 2.0	18.6 mm	112.0 mm	37.0 mm	14.0 mm	11.20 mm
E011/M180X150M	€ 28,50	M 18 x 1.5	20.0 mm	104.0 mm	29.0 mm	14.0 mm	11.20 mm
E011/M180X200M	€ 28,50	M 18 x 2.0	20.6 mm	104.0 mm	29.0 mm	14.0 mm	11.20 mm
E011/M180X250M	€ 28,50	M 18 x 2.5	21.3 mm	118.0 mm	38.0 mm	16.0 mm	12.50 mm
E011/M200X150M	€ 31,90	M 20 x 1.5	22.0 mm	113.0 mm	33.0 mm	16.0 mm	12.50 mm
E011/M200X200M	€ 31,90	M 20 x 2.0	22.6 mm	113.0 mm	33.0 mm	16.0 mm	12.50 mm
E011/M200X250M	€ 31,90	M 20 x 2.5	23.3 mm	118.0 mm	38.0 mm	16.0 mm	12.50 mm
E011/M220X150M	€ 40,60	M 22 x 1.5	24.0 mm	120.0 mm	35.0 mm	18.0 mm	14.00 mm
E011/M220X200M	€ 40,60	M 22 x 2.0	24.6 mm	120.0 mm	35.0 mm	18.0 mm	14.00 mm
E011/M220X250M	€ 40,60	M 22 x 2.5	25.3 mm	130.0 mm	45.0 mm	18.0 mm	14.00 mm
E011/M240X150M	€ 43,30	M 24 x 1.5	26.0 mm	120.0 mm	35.0 mm	18.0 mm	14.00 mm
E011/M240X200M	€ 43,30	M 24 x 2.0	26.6 mm	127.0 mm	37.0 mm	20.0 mm	16.00 mm
E011/M240X300M	€ 43,30	M 24 x 3.0	27.9 mm	138.0 mm	48.0 mm	20.0 mm	16.00 mm

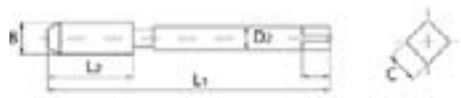
E011-MXM2

METRIC F-COIL 2 PCS STI TAPS

Special type for creating the threaded insert housing seat



Art.	€	Size	B	L1	L2	D2	C
E011/M260X150M	€ 143,00	M 26 x 1.5	28.0 mm	127 mm	37 mm	20.0 mm	16.0 mm
E011/M270X150M	€ 143,00	M 27 x 1.5	29.0 mm	127 mm	37 mm	20.0 mm	16.0 mm
E011/M270X200M	€ 143,00	M 27 x 2.0	29.6 mm	127 mm	37 mm	20.0 mm	16.0 mm
E011/M270X300M	€ 143,00	M 27 x 3.0	30.9 mm	151 mm	51 mm	22.4 mm	18.0 mm
E011/M280X150M	€ 173,00	M 28 x 1.5	30.0 mm	127 mm	37 mm	20.0 mm	16.0 mm
E011/M300X150M	€ 173,00	M 30 x 1.5	32.0 mm	137 mm	37 mm	22.4 mm	18.0 mm
E011/M300X200M	€ 173,00	M 30 x 2.0	32.6 mm	137 mm	37 mm	22.4 mm	18.0 mm
E011/M300X350M	€ 173,00	M 30 x 3.5	34.6 mm	162 mm	57 mm	25.0 mm	20.0 mm
E011/M330X200M	€ 173,00	M 33 x 2.0	35.6 mm	144 mm	37 mm	25.0 mm	20.0 mm
E011/M330X350M	€ 173,00	M 33 x 3.5	37.6 mm	162 mm	57 mm	25.0 mm	20.0 mm
E011/M360X150M	€ 199,00	M 36 x 1.5	38.0 mm	150 mm	39 mm	28.0 mm	22.4 mm
E011/M360X200M	€ 199,00	M 36 x 2.0	38.6 mm	150 mm	39 mm	28.0 mm	22.4 mm
E011/M360X300M	€ 199,00	M 36 x 3.0	39.9 mm	170 mm	60 mm	28.0 mm	22.4 mm
E011/M360X400M	€ 199,00	M 36 x 4.0	41.2 mm	170 mm	60 mm	28.0 mm	22.4 mm
E011/M390X300M	€ 300,00	M 39 x 3.0	42.9 mm	149 mm	39 mm	28.0 mm	26.0 mm
E011/M390X400M	€ 256,00	M 39 x 4.0	44.2 mm	187 mm	67 mm	31.5 mm	28.0 mm
E011/M400X300M	€ 256,00	M 40 x 3.0	43.9 mm	149 mm	39 mm	28.0 mm	26.0 mm
E011/M420X300M	€ 423,00	M 42 x 3.0	45.9 mm	165 mm	45 mm	31.5 mm	28.0 mm
E011/M420X450M	€ 278,00	M 42 x 4.5	47.9 mm	187 mm	67 mm	31.5 mm	28.0 mm
E011/M450X300M	€ 423,00	M 45 x 3.0	48.9 mm	175 mm	45 mm	35.5 mm	31.0 mm
E011/M450X450M	€ 323,00	M 45 x 4.5	50.9 mm	200 mm	70 mm	35.5 mm	31.0 mm
E011/M480X300M	€ 522,00	M 48 x 3.0	51.9 mm	175 mm	45 mm	35.5 mm	31.0 mm
E011/M480X500M	€ 356,00	M 48 x 5.0	54.5 mm	200 mm	70 mm	35.5 mm	31.0 mm
E011/M500X300M	€ 389,00	M 50 x 3.0	53.9 mm	175 mm	45 mm	35.5 mm	31.0 mm
E011/M520X300M	€ 722,00	M 52 x 3.0	55.9 mm	193 mm	48 mm	40.0 mm	34.0 mm
E011/M520X500M	€ 611,00	M 52 x 3.0	58.5 mm	221 mm	76 mm	40.0 mm	34.0 mm

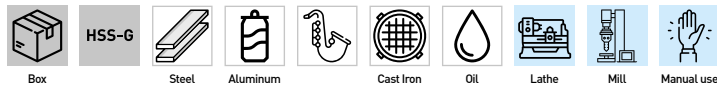




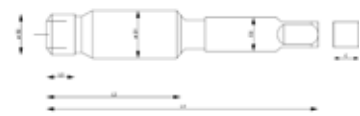
E011-MXMC

METRIC F-COIL STI COMBINED TAP

Special type for creating the threaded insert housing seat



Art.	€	Size	B1	B2	L3	L2	L1	D2	C
E011/M060X100MC	€ 14,70	M 6 x 1.0	7.3 mm	6 mm	7 mm	28 mm	70 mm	8 mm	6.3 mm
E011/M080X125MC	€ 14,70	M 8 x 1.25	9.6 mm	8 mm	9 mm	32 mm	75 mm	8 mm	6.3 mm
E011/M100X100MC	€ 20,80	M 10 x 1.0	11.3 mm	10 mm	8 mm	30 mm	74 mm	8 mm	6.3 mm
E011/M100X125MC	€ 20,80	M 10 x 1.25	11.6 mm	10 mm	8 mm	30 mm	74 mm	8 mm	6.3 mm
E011/M100X150MC	€ 20,80	M 10 x 1.5	11.9 mm	10 mm	9 mm	37 mm	80 mm	9 mm	7.1 mm
E011/M120X125MC	€ 26,80	M 12 x 1.25	13.6 mm	12 mm	9 mm	32 mm	75 mm	9 mm	7.1 mm
E011/M140X125MC	€ 29,40	M 14 x 1.25	15.6 mm	14 mm	10 mm	45 mm	90 mm	12 mm	9.2 mm
E011/M180X150MC	€ 43,30	M 18 x 1.25	20.0 mm	18 mm	10 mm	47 mm	116 mm	16 mm	12.5 mm



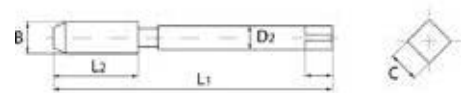
E011-BSWXM

BSW F-COIL STI TAP

Special type for creating the threaded insert housing seat



Art.	€	Size	B	L1	L2	D2	C
E011/BSW1/8M	€ 9,60	1/8" x 40	3.9 mm	53.0 mm	13.0 mm	4.0 mm	3.15 mm
E011/BSW3/16M	€ 9,60	3/16" x 24	6.0 mm	56.0 mm	19.0 mm	6.3 mm	5.00 mm
E011/BSW1/4M	€ 9,60	1/4" x 20	7.8 mm	72.0 mm	22.0 mm	8.0 mm	6.30 mm
E011/BSW5/16M	€ 10,40	5/16" x 18	9.6 mm	80.0 mm	24.0 mm	10.0 mm	8.00 mm
E011/BSW3/8M	€ 11,20	3/8" x 16	11.4 mm	85.0 mm	25.0 mm	8.0 mm	6.30 mm
E011/BSW7/16M	€ 12,10	7/16" x 14	13.2 mm	95.0 mm	30.0 mm	11.2 mm	9.00 mm
E011/BSW1/2M	€ 13,40	1/2" x 12	15.2 mm	102.0 mm	32.0 mm	12.5 mm	10.00 mm
E011/BSW9/16M	€ 20,20	9/16" x 12	16.8 mm	102.0 mm	32.0 mm	12.5 mm	10.00 mm
E011/BSW5/8M	€ 24,80	5/8" x 11	18.6 mm	112.0 mm	37.0 mm	14.0 mm	11.20 mm
E011/BSW3/4M	€ 30,00	3/4" x 10	22.0 mm	118.0 mm	38.0 mm	16.0 mm	12.50 mm
E011/BSW7/8M	€ 40,50	7/8" x 9	25.5 mm	130.0 mm	45.0 mm	18.0 mm	14.00 mm
E011/BSW1M	€ 40,50	1" x 8	29.1 mm	138.0 mm	48.0 mm	20.0 mm	16.0 mm



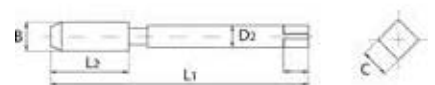
E011-BSFXM

BSF F-COIL STI TAP

Special type for creating the threaded insert housing seat



Art.	€	Size	B	L1	L2	D2	C
E011/BSF3/16M	€ 9,60	3/16" x 32	5.7 mm	66.0 mm	19.0 mm	6.3 mm	5.00 mm
E011/BSF1/4M	€ 9,60	1/4" x 26	7.5 mm	72.0 mm	22.0 mm	8.0 mm	6.30 mm
E011/BSF5/16M	€ 10,40	5/16" x 22	9.3 mm	80.0 mm	24.0 mm	10.0 mm	8.00 mm
E011/BSF3/8M	€ 11,20	3/8" x 20	11.0 mm	85.0 mm	25.0 mm	8.0 mm	6.30 mm
E011/BSF7/16M	€ 12,10	7/16" x 18	12.8 mm	89.0 mm	29.0 mm	9.0 mm	7.10 mm
E011/BSF1/2M	€ 13,40	1/2" x 16	14.6 mm	95.0 mm	30.0 mm	11.2 mm	9.00 mm
E011/BSF9/16M	€ 20,20	9/16" x 16	16.2 mm	102.0 mm	32.0 mm	12.5 mm	10.00 mm
E011/BSF5/8M	€ 24,80	5/8" x 14	18.0 mm	112.0 mm	37.0 mm	14.0 mm	11.20 mm
E011/BSF3/4M	€ 30,00	3/4" x 12	21.5 mm	118.0 mm	38.0 mm	16.0 mm	12.5 mm
E011/BSF7/8M	€ 40,50	7/8" x 11	24.9 mm	130.0 mm	45.0 mm	18.0 mm	14.00 mm
E011/BSF1M	€ 40,50	1" x 10	28.4 mm	138.0 mm	48.0 mm	20.0 mm	16.00 mm

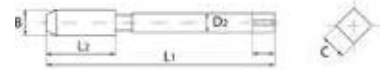


E011-BSPXM
BSP F-COIL STI 2 PCS TAPS

Special type for creating the threaded insert housing seat



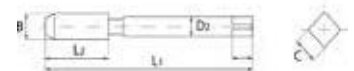
Art.	€	Size	B	L1	L2	D2	C
E011/BSP1/8M	€ 25,00	1/8" x 28	10.8 mm	59 mm	15 mm	8.0 mm	6.3 mm
E011/BSP1/4M	€ 25,90	1/4" x 19	14.7 mm	67 mm	19 mm	11.2 mm	9.0 mm
E011/BSP3/8M	€ 33,70	3/8" x 19	18.3 mm	75 mm	21 mm	14.0 mm	11.2 mm
E011/BSP1/2M	€ 52,70	1/2" x 14	23.1 mm	87 mm	26 mm	16.0 mm	12.5 mm
E011/BSP5/8M	€ 74,30	5/8" x 14	25.1 mm	91 mm	26 mm	18.0 mm	14.0 mm
E011/BSP3/4M	€ 74,30	3/4" x 14	28.6 mm	96 mm	28 mm	20.0 mm	16.0 mm
E011/BSP7/8M	€ 117,00	7/8" x 14	32.4 mm	102 mm	29 mm	22.4 mm	18.0 mm
E011/BSP1M	€ 117,00	1" x 11	36.0 mm	109 mm	33 mm	25.0 mm	20.0 mm


E011-UNCXM
UNC F-COIL STI TAP

Special type for creating the threaded insert housing seat



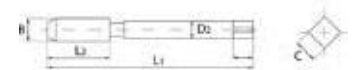
Art.	€	Size	B	L1	L2	D2	C
E011/UNCN02M	€ 11,10	No. 2 x 56	2.8 mm	48.0 mm	10.0 mm	3.15 mm	2.5 mm
E011/UNCN04M	€ 11,10	No. 4 x 40	3.7 mm	53.0 mm	13.0 mm	4.0 mm	3.15 mm
E011/UNCN05M	€ 11,10	No. 5 x 40	4.0 mm	53.0 mm	13.0 mm	4.0 mm	3.15 mm
E011/UNCN06M	€ 11,10	No. 6 x 32	4.5 mm	58.0 mm	16.0 mm	5.0 mm	4.00 mm
E011/UNCN08M	€ 11,10	No. 8 x 32	5.2 mm	62.0 mm	17.0 mm	5.6 mm	4.50 mm
E011/UNCN10M	€ 11,10	No. 10 x 24	6.2 mm	66.0 mm	19.0 mm	6.3 mm	5.00 mm
E011/UNCN12M	€ 11,10	No. 12 x 24	6.9 mm	66.0 mm	19.0 mm	7.1 mm	5.60 mm
E011/UNC1/4M	€ 9,60	1/4" x 20	8.0 mm	72.0 mm	22.0 mm	8.0 mm	6.30 mm
E011/UNC5/16M	€ 10,40	5/16" x 18	9.8 mm	80.0 mm	24.0 mm	10.0 mm	8.00 mm
E011/UNC3/8M	€ 11,20	3/8" x 16	11.6 mm	85.0 mm	25.0 mm	8.0 mm	6.30 mm
E011/UNC7/16M	€ 12,10	7/16" x 14	13.5 mm	95.0 mm	30.0 mm	11.2 mm	10.00 mm
E011/UNC1/2M	€ 13,40	1/2" x 13	15.2 mm	102.0 mm	32.0 mm	12.5 mm	10.00 mm
E011/UNC9/16M	€ 20,20	9/16" x 12	17.0 mm	112.0 mm	37.0 mm	14.0 mm	11.20 mm
E011/UNC5/8M	€ 24,80	5/8" x 11	18.9 mm	112.0 mm	37.0 mm	14.0 mm	11.20 mm
E011/UNC3/4M	€ 30,00	3/4" x 10	22.4 mm	118.0 mm	38.0 mm	16.0 mm	12.50 mm
E011/UNC7/8M	€ 40,50	7/8" x 9	25.9 mm	130.0 mm	45.0 mm	18.0 mm	14.00 mm
E011/UNC1M	€ 40,50	1" x 8	29.5 mm	138.0 mm	48.0 mm	20.0 mm	16.00 mm


E011-UNFXM
UNF F-COIL STI TAP

Special type for creating the threaded insert housing seat



Art.	€	Size	B	L1	L2	D2	C
E011/UNFN04M	€ 12,10	No. 4 x 48	3.5 mm	53.0 mm	13.0 mm	4.0 mm	3.15 mm
E011/UNFN06M	€ 12,10	No. 6 x 40	4.3 mm	53.0 mm	13.0 mm	4.5 mm	3.55 mm
E011/UNFN08M	€ 12,10	No. 8 x 36	5.1 mm	62.0 mm	17.0 mm	5.6 mm	4.50 mm
E011/UNFN10M	€ 12,10	No. 10 x 32	5.9 mm	66.0 mm	19.0 mm	6.3 mm	5.00 mm
E011/UNF1/4M	€ 9,60	1/4" x 28	7.5 mm	69.0 mm	19.0 mm	8.0 mm	6.30 mm
E011/UNF5/16M	€ 10,40	5/16" x 24	9.3 mm	76.0 mm	20.0 mm	10.0 mm	8.00 mm
E011/UNF3/8M	€ 11,20	3/8" x 24	10.9 mm	82.0 mm	22.0 mm	8.0 mm	6.3 mm
E011/UNF7/16M	€ 12,10	7/16" x 20	12.8 mm	84.0 mm	24.0 mm	9.0 mm	7.10 mm
E011/UNF1/2M	€ 13,40	1/2" x 20	14.4 mm	90.0 mm	25.0 mm	11.2 mm	9.00 mm
E011/UNF9/16M	€ 20,20	9/16" x 18	16.1 mm	104.0 mm	29.0 mm	12.5 mm	10.00 mm
E011/UNF5/8M	€ 24,80	5/8" x 18	17.7 mm	104.0 mm	29.0 mm	14.0 mm	11.20 mm
E011/UNF3/4M	€ 30,00	3/4" x 16	21.1 mm	104.0 mm	29.0 mm	14.0 mm	11.20 mm
E011/UNF7/8M	€ 40,50	7/8" x 14	24.6 mm	120.0 mm	35.0 mm	18.0 mm	14.00 mm
E011/UNF11/2M	€ 40,50	1" x 12	28.2 mm	127.0 mm	37.0 mm	20.0 mm	16.00 mm





E011-UX

F-COIL MOUNTING TOOL

Art.	€	Metric	Inch
E011/U02	€ 7,40	M 2 x 0.4 - M 2.2 x 0.45	UNC N02
E011/U03	€ 7,40	M 2.5 x 0.45	-
E011/U04	€ 7,40	M 3 x 0.5	UNC N05 - UNC/UNF N04 - BSW 1/8"
E011/U05	€ 7,40	M 3.5 x 0.6	UNC/UNF N06
E011/U06	€ 7,40	M 4 x 0.7	UNC/UNF N08
E011/U08	€ 7,40	M 5 x 0.8	UNF N10 - UNC N12 - BSF 3/16"
E011/U09	€ 7,40	M 6 x 1.0	UNC/UNF 1/4" - BSW/BSF 1/4"
E011/U10	€ 7,40	M 7 x 1.0	UNC/BSW 5/16"
E011/U11	€ 8,20	M 8 x 1.25 - M 8 x 1.0	UNF/BSF 5/16"
E011/U12	€ 12,50	M 9 x 1.25 - M 9 x 1.0	UNC/BSW 3/8"
E011/U13	€ 12,50	M 10 x 1.5 - M 10 x 1.0 - M 10 x 1.25	UNF/BSF 3/8"
E011/U14	€ 13,50	M 11 x 1.5	UNC/UNF 7/16" - BSW-BSF 7/16"
E011/U15	€ 13,50	M 12 x 1.75 - M 12 x 1.5 - M 12 x 1.25 - M 12 x 1.0	UNC/UNF 1/2" - BSW-BSF 1/2"
E011/U16	€ 15,40	M 14 x 2.0 - M 14 x 1.5	UNC/UNF 9/16" - BSW-BSF 9/16"
E011/U17	€ 15,40	M 14 x 1.25 - M 14 x 1.0	-
E011/U18	€ 16,80	M 16 x 2.0 - M 16 x 1.5	UNC/UNF 5/8" - BSW-BSF 5/8"
E011/U20	€ 16,80	M 18 x 2.5 - M 18 x 2.0 - M 18 x 1.5	UNC 3/4" - BSW-BSF 3/4"
E011/U21	€ 16,80	M 20 x 2.5 - M 20 x 2.0 - M 20 x 1.5	UNF 3/4"
E011/U22	€ 21,20	M 22 x 2.5 - M 22 x 2.0 - M 22 x 1.5	UNC/UNF 7/8" - BSW-BSF 7/8"
E011/U23	€ 21,20	M 24 x 3.0 - M 24 x 2.0 - M 24 x 1.5	UNC/UNF 1" - BSW-BSF 1"



E011-UMX

F-COIL MOUNTING TOOL HEXAGONAL DRIVE

Art.	€	Diameter	Hex drive
E011/UM260X150	€ 25,00	M 26 x 1.5	1/2"
E011/UM270X150	€ 25,00	M 27 x 1.5	1/2"
E011/UM270X200	€ 25,00	M 27 x 2.0	1/2"
E011/UM270X300	€ 25,00	M 27 x 3.0	1/2"
E011/UM280X150	€ 25,00	M 28 x 1.5	1/2"
E011/UM300X150	€ 27,90	M 30 x 1.5	1/2"
E011/UM300X200	€ 27,90	M 30 x 2.0	1/2"
E011/UM300X350	€ 27,90	M 30 x 3.5	1/2"
E011/UM330X200	€ 34,60	M 33 x 2.0	1/2"
E011/UM330X350	€ 34,60	M 33 x 3.5	1/2"
E011/UM360X150	€ 34,60	M 36 x 1.5	1/2"
E011/UM360X200	€ 34,60	M 36 x 2.0	1/2"
E011/UM360X300	€ 34,60	M 36 x 3.0	1/2"
E011/UM360X400	€ 34,60	M 36 x 4.0	1/2"



E011-AX

F-COIL TANG BREAKING TOOL

Art.	€	Metric	Inch
E011/A02	€ 2,41	M 2 x 0.4 - M 2.2 x 0.45	UNC N02
E011/A03	€ 2,41	M 2.5 x 0.45	-
E011/A04	€ 2,41	M 3 x 0.5	UNC/UNF N04
E011/A05	€ 2,41	M 3.5 x 0.6	UNC/UNF N06
E011/A06	€ 2,41	M 4 x 0.7	UNC N10 - UNC/UNF N08 - BSF 3/16"
E011/A08	€ 2,41	M 5 x 0.8	UNF N10 - UNC N12 - BSF 3/16"
E011/A09	€ 2,41	M 6 x 1.0	UNC/UNF 1/4" - BSW/BSF 1/4"
E011/A11	€ 2,71	M 7 x 1.0 - M 8 x 1.0 - M 8 x 1.25	UNC/UNF 5/16" - BSW/BSF 5/16"
E011/A12	€ 2,71	M 9 x 1.0 - M 9 x 1.25	UNC 3/8" - BSW/BSF 3/8"
E011/A13	€ 2,71	M 10 x 1.5 - M 10 x 1.0 - M 10 x 1.25	UNF 3/8"
E011/A14	€ 3,27	M 11 x 1.5	UNC/UNF 7/16" - BSW/BSF 7/16"
E011/A15	€ 3,27	M 12 x 1.5 - M 12 x 1.0 - M 12 x 1.25 - M 12 x 1.75	UNC/UNF 1/2" - BSW/BSF 1/2"



E011-EX

F-COIL PULLER

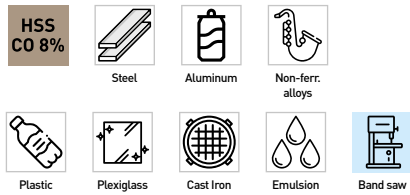
Art.	€	Metric	Inch
E011/E2	€ 15,60	M 3 - M 10	3/16" - 3/8"
E011/E3	€ 19,00	M 11 - M 25	3/8" - 1"



LBX

BI-METAL BANDSAW BLADE FOR METAL

Welded in standard length



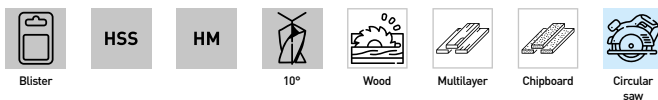
Art.	€	Sizes	Specifications	Pitch
LB01/1140	€ 17,10	1140 x 13 x 0.65 mm	T 8 / 12 Bi-Metal	Variable
LB01/1325	€ 18,90	1325 x 13 x 0.65 mm	T 8 / 12 Bi-Metal	Variable
LB01/1335	€ 19,10	1335 x 13 x 0.65 mm	T 8 / 12 Bi-Metal	Variable
LB01/1435	€ 20,10	1435 x 13 x 0.65 mm	T 8 / 12 Bi-Metal	Variable
LB01/1440	€ 20,10	1440 x 13 x 0.65 mm	T 8 / 12 Bi-Metal	Variable
LB01/1638	€ 22,10	1638 x 13 x 0.65 mm	T 8 / 12 Bi-Metal	Variable
LB01/1735	€ 23,20	1735 x 13 x 0.65 mm	T 8 / 12 Bi-Metal	Variable
LB02/1140	€ 17,10	1140 x 13 x 0.65 mm	T 6 Bi-Metal	Fix
LB02/1435	€ 20,10	1435 x 13 x 0.65 mm	T 6 Bi-Metal	Fix
LB05/1735	€ 23,90	1735 x 13 x 0.9 mm	T 8 / 12 Bi-Metal	Variable
LB07/2000	€ 28,00	2000 x 20 x 0.9 mm	T 8 / 12 Bi-Metal	Variable
LB07/2080	€ 28,80	2080 x 20 x 0.9 mm	T 8 / 12 Bi-Metal	Variable
LB07/2100	€ 29,00	2100 x 20 x 0.9 mm	T 8 / 12 Bi-Metal	Variable
LB07/2140	€ 29,50	2140 x 20 x 0.9 mm	T 8 / 12 Bi-Metal	Variable
LB07/2160	€ 29,80	2160 x 20 x 0.9 mm	T 8 / 12 Bi-Metal	Variable
LB08/2000	€ 28,00	2000 x 20 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB08/2080	€ 28,80	2080 x 20 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB08/2100	€ 29,00	2100 x 20 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB08/2140	€ 29,50	2140 x 20 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB08/2160	€ 29,80	2160 x 20 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB09/2375	€ 32,10	2375 x 27 x 0.9 mm	T 8 / 11 Bi-Metal	Variable
LB09/2450	€ 34,30	2450 x 27 x 0.9 mm	T 8 / 11 Bi-Metal	Variable

Art.	€	Sizes	Specifications	Pitch
LB09/2500	€ 35,60	2500 x 27 x 0.9 mm	T 8 / 11 Bi-Metal	Variable
LB09/2750	€ 38,70	2750 x 27 x 0.9 mm	T 8 / 11 Bi-Metal	Variable
LB09/2825	€ 39,60	2825 x 27 x 0.9 mm	T 8 / 11 Bi-Metal	Variable
LB09/2845	€ 39,80	2845 x 27 x 0.9 mm	T 8 / 11 Bi-Metal	Variable
LB09/2945	€ 41,00	2945 x 27 x 0.9 mm	T 8 / 11 Bi-Metal	Variable
LB09/2950	€ 41,20	2950 x 27 x 0.9 mm	T 8 / 11 Bi-Metal	Variable
LB09/3010	€ 41,90	3010 x 27 x 0.9 mm	T 8 / 11 Bi-Metal	Variable
LB09/3100	€ 42,90	3100 x 27 x 0.9 mm	T 8 / 11 Bi-Metal	Variable
LB09/3120	€ 43,30	3120 x 27 x 0.9 mm	T 8 / 11 Bi-Metal	Variable
LB09/3150	€ 43,50	3150 x 27 x 0.9 mm	T 8 / 11 Bi-Metal	Variable
LB10/2375	€ 32,10	2375 x 27 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB10/2450	€ 34,30	2450 x 27 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB10/2500	€ 35,60	2500 x 27 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB10/2750	€ 38,70	2750 x 27 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB10/2825	€ 39,60	2825 x 27 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB10/2845	€ 39,80	2845 x 27 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB10/2945	€ 41,00	2945 x 27 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB10/2950	€ 41,20	2950 x 27 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB10/3010	€ 41,90	3010 x 27 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB10/3100	€ 42,90	3100 x 27 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB10/3120	€ 43,30	3120 x 27 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB10/3150	€ 43,50	3150 x 27 x 0.9 mm	T 5 / 7 Bi-Metal	Variable

07X

WOOD CARBIDE TIPPED SAW BLADES

With alternate universal teeth



Art.	€	Ø	Teeth Z	Hole	Cut thickness	Blade thickness	rpm max
0685	€ 29,40	254 mm	24	Ø 30 mm	3,2 mm	2,2 mm	6300
0702	€ 49,20	250 mm	60	Ø 30 mm	3,2 mm	2,2 mm	7000
0703	€ 56,70	250 mm	80	Ø 30 mm	3,2 mm	2,2 mm	7000
0704	€ 72,80	300 mm	72	Ø 30 mm	3,2 mm	2,2 mm	6000
0705	€ 78,60	300 mm	96	Ø 30 mm	3,2 mm	2,2 mm	6000
0899	€ 54,30	315 mm	25	Ø 30 mm	2,8 mm	1,8 mm	6000
0745	€ 89,20	350 mm	54	Ø 30 mm	3,5 mm	2,5 mm	5000
0707	€ 90,60	400 mm	48	Ø 30 mm	3,5 mm	2,5 mm	4500
0746	€ 156,00	450 mm	60	Ø 30 mm	4 mm	3,0 mm	4000

0762-

ALUMINIUM AND PLASTIC CARBIDE TIPPED SAW BLADE

Trapezoidal flat toothing with alternating sharpening



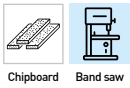
Art.	€	Ø	Teeth Z	Hole	Cut thickness	Blade thickness	rpm max
0762/250	€ 58,10	250 mm	60	Ø 32 mm	3,2 mm	2,8 mm	7000
0762/300	€ 73,30	300 mm	72	Ø 32 mm	3,2 mm	2,8 mm	6000



N7X

BLADE FOR WOOD

Blade for shaped cutting of thin wood

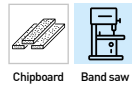


Art.	€	Sizes	Specifications
N194	€ 23,20	1400 x 6 x 0,36 mm	T6
N717/N	€ 23,20	1430 x 6 x 0,36 mm	T6
N188	€ 27,40	1790 x 6 x 0,36 mm	T10
N190	€ 27,40	1826 x 6 x 0,36 mm	T10
N855/N2	€ 26,30	2240 x 13 x 0,65 mm	T8
N186	€ 23,50	2400 x 13 x 0,65 mm	T8
N192	€ 23,50	2560 x 13 x 0,65 mm	T8
N764/N2	€ 26,30	2950 x 13 x 0,65 mm	T6
N764/455/N2	€ 36,60	3430 x 16 x 0,65 mm	T6

N7X1

BLADES FOR WOOD

Blade for straight cut of thick wood




Art.	€	Sizes	Specifications
N195	€ 23,20	1400 x 10 x 0,36 mm	T6
N717/N1	€ 23,20	1430 x 10 x 0,36 mm	T6
N189	€ 27,40	1790 x 10 x 0,36 mm	T6
N191	€ 27,40	1826 x 10 x 0,36 mm	T6
N855/N	€ 26,30	2240 x 16 x 0,65 mm	T4
N187	€ 23,50	2400 x 16 x 0,65 mm	T4
N193	€ 23,50	2560 x 16 x 0,65 mm	T4
N764/N	€ 26,30	2950 x 16 x 0,65 mm	T4
N764/455/N	€ 36,60	3430 x 20 x 0,65 mm	T4







**DISCHI
LAMELLARI**

- p. 244  Professional
- p. 250  Performance
- p. 254  Grindflex
- p. 258  Smartflex
- p. 261  Specialty
- p. 265  Fast Lock



**RUOTE
ABRASIVE**

- p. 226  Ruote con gambo
- p. 267  Ruote con foro
- p. 268  Ruote per satinatrici



**DISCHI E NASTRI
ABRASIVI**

- p. 271  Dischi in fibra
- p. 272  Dischi adesivi e velcrati
- p. 276  Rotoli e fogli
- p. 278  Nastri






PULITURA

- p. 281  Surface Conditioning
- p. 283  Nylon abrasivo
- p. 284  Non woven



**FINITURA E
LUCIDATURA**

- p. 285  Feltro e paste abrasive
- p. 287  Sisal, cotone e lana
- p. 290  Spugne e gomme abrasive



**MOLE E DISCHI
DA TAGLIO**

- p. 296  Dischi da taglio
- p. 300  Dischi da sbavo
- p. 302  Mole abrasive con foro
- p. 303  Mole abrasive con gambo
- p. 305  Dischi diamantati



**SPAZZOLE
A FILO**

- p. 291  Spazzole con foro
- p. 293  Spazzole con gambo

RIFLEX, SPECIFIC EXPERIENCE

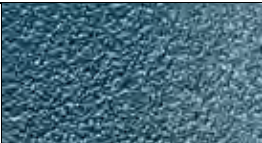



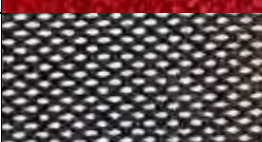
MADE IN ITALY

Since 1982, Riflex has stood out on the international stage thanks to its specific MADE IN ITALY experience in the production of flap discs made of corundum, zirconium and ceramic zirconium with supports made from both nylon and fibreglass, and in the manufacture of automatic systems for their production, testing and packaging.

Riflex oversees the entire production chain thanks to relationships spanning decades with key suppliers of raw materials (abrasive backing plates, supports and glue). More than thirty years of experience has allowed the company to develop its own recipes and quality protocols which are among the highest levels worldwide.



ABRASIVE CLOTH

		Zirconio Cotone peso X	For common, alloyed and stainless steels. Cotton backing, excellent performance and durability. This cloth is declined in various performance steps based on the product families.
		Corindone Cotone peso X	For metals and wood, for standard processing. Cotton support. This cloth is declined in various performance steps based on the product families.
SPECIALTY		Zircoceramico Polycotton	Specially designed for processing stainless steel. Third cooling layer, polycotton backing, high cutting speed.
SPECIALTY		Ceramico Polycotton	Specially designed for processing stainless steel, for heavy stock removal. Third cooling layer, extremely resistant polycotton backing, maximum cutting speed.
SPECIALTY		Abranet® Rete in poliammide	Specially designed for clogging materials such as non-ferrous metals (aluminum, copper, brass, zinc, magnesium), wood and composite materials. The particular polyamide mesh structure prevents the formation of accumulations and clogging, ensuring great advantages: impeccable finishes and constant effectiveness, maximizing performance and reducing processing costs.

FLAP DISCS

FERVI BY RIFLEX



PROFESSIONAL

PROFESSIONAL TOP LINE

Professional long-life discs with high removal speeds for the most demanding users, powered by Norton™ abrasive cloth.

PERFORMANCE

HIGH PERFORMANCE

Wide range of professional flap discs based on aluminum oxide or zirconia.



GRINDFLEX

MULTI PURPOSE

The “best seller”, suitable for massive removals and finishing on most types of ferrous and non-ferrous metal surfaces.

SMARTFLEX

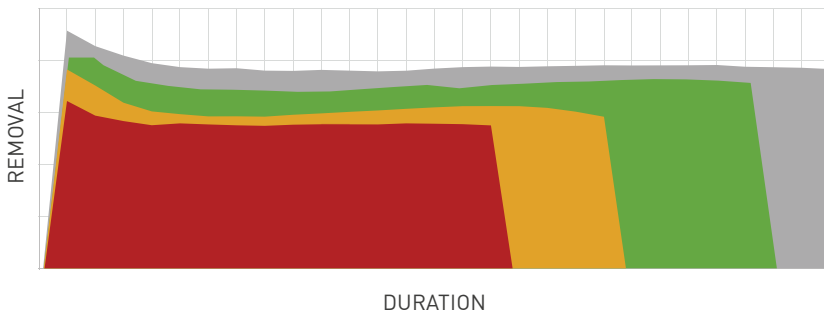
VALUE FOR MONEY

The best price with professional performances. For removal and finishing operations.

SPECIALTY

FOR SPECIAL WORKING

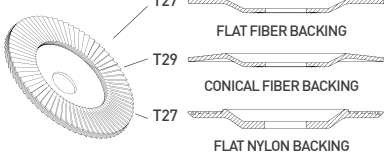
Range of discs for professional working on stainless steel, non-ferrous metals (aluminum, copper, etc.).



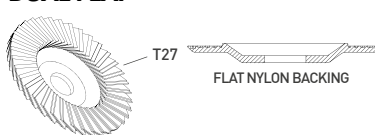
Our tests are carried out with Riflex machines using a 1200W electric tool with a constant pressure of 4 kg on a S235JR (Fe360) steel test specimen with 2.5 min steps.

DISC TYPE

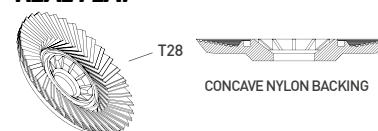
CLASSIC



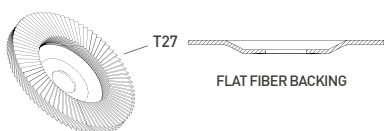
DUAL FLAP



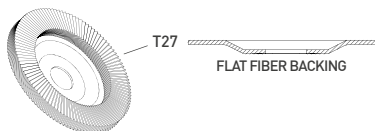
REAL FLAT



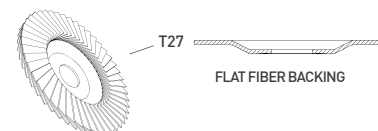
BIGGER



TIGER



RAPTOR





PROFESSIONAL TOP LINE

Professional long-life discs with high removal speeds for the most demanding users, powered by Norton™ abrasive cloth.

For heavy removal, major deburring - Designed for professional users and medium and large companies. Ideal for machining large metal sheets, removing large weld seams and requiring long disk life.

DF8100-Z

PROFESSIONAL FLAP DISC CLASSIC

Zirconium
 Glass fiber
 T27
 Single
 EN 13743
 Roughing
 Steel
 Stainless steel
 Cast Iron
 Surface Prep.
 0 - 15°
 Angle grinder
 Made in REFLEX

Art.	€	Dimensions	Grit	rpm max	Pack
DF8100.111	€ 2,31	115 x 22 mm	36	13300	10
DF8100.112	€ 2,31	115 x 22 mm	40	13300	10
DF8100.114	€ 2,31	115 x 22 mm	60	13300	10
DF8100.115	€ 2,31	115 x 22 mm	80	13300	10
DF8100.117	€ 2,31	115 x 22 mm	120	13300	10
DF8100.121	€ 2,89	125 x 22 mm	36	12250	10
DF8100.122	€ 2,89	125 x 22 mm	40	12250	10
DF8100.124	€ 2,89	125 x 22 mm	60	12250	10
DF8100.125	€ 2,89	125 x 22 mm	80	12250	10
DF8100.181	€ 4,80	180 x 22 mm	36	8500	10
DF8100.182	€ 4,80	180 x 22 mm	40	8500	10
DF8100.184	€ 4,80	180 x 22 mm	60	8500	10
DF8100.185	€ 4,80	180 x 22 mm	80	8500	10



DF8150-Z

PROFESSIONAL FLAP DISC CLASSIC

Zirconium
 Glass fiber
 T29
 Single
 EN 13743
 Roughing
 Steel
 Stainless steel
 Cast Iron
 Surface Prep.
 15 - 25°
 Angle grinder
 Made in REFLEX

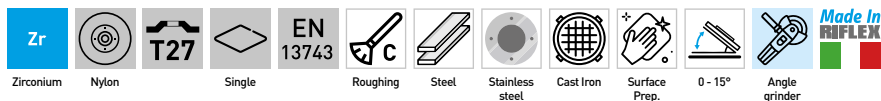
Art.	€	Dimensions	Grit	rpm max	Pack
DF8150.111	€ 2,31	115 x 22 mm	36	13300	10
DF8150.112	€ 2,31	115 x 22 mm	40	13300	10
DF8150.114	€ 2,31	115 x 22 mm	60	13300	10
DF8150.115	€ 2,31	115 x 22 mm	80	13300	10
DF8150.117	€ 2,31	115 x 22 mm	120	13300	10
DF8150.121	€ 2,89	125 x 22 mm	36	12250	10
DF8150.122	€ 2,89	125 x 22 mm	40	12250	10
DF8150.124	€ 2,89	125 x 22 mm	60	12250	10
DF8150.125	€ 2,89	125 x 22 mm	80	12250	10
DF8150.181	€ 4,80	180 x 22 mm	36	8500	10
DF8150.182	€ 4,80	180 x 22 mm	40	8500	10
DF8150.184	€ 4,80	180 x 22 mm	60	8500	10
DF8150.185	€ 4,80	180 x 22 mm	80	8500	10



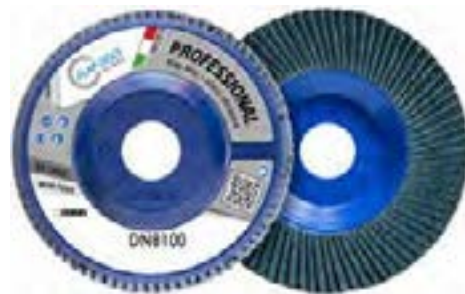


DN8100-Z

PROFESSIONAL FLAP DISC CLASSIC

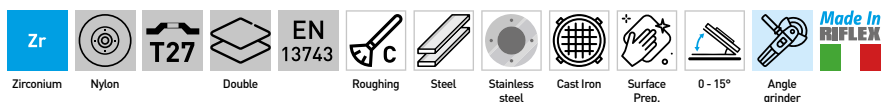


Art.	€	Dimensions	Grit	rpm max	Pack
DN8100.111	€ 2,31	115 x 22 mm	36	13300	10
DN8100.112	€ 2,31	115 x 22 mm	40	13300	10
DN8100.114	€ 2,31	115 x 22 mm	60	13300	10
DN8100.115	€ 2,31	115 x 22 mm	80	13300	10
DN8100.117	€ 2,31	115 x 22 mm	120	13300	10
DN8100.122	€ 2,89	125 x 22 mm	40	12250	10
DN8100.124	€ 2,89	125 x 22 mm	60	12250	10
DN8100.125	€ 2,89	125 x 22 mm	80	12250	10
DN8100.182	€ 4,80	180 x 22 mm	40	8500	10
DN8100.184	€ 4,80	180 x 22 mm	60	8500	10
DN8100.185	€ 4,80	180 x 22 mm	80	8500	10



DN8300-Z

PROFESSIONAL FLAP DISC DUAL FLAP



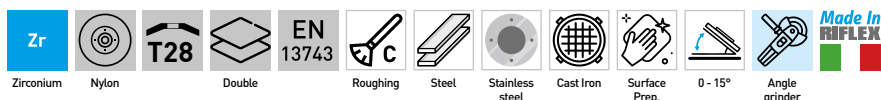
Art.	€	Dimensions	Grit	rpm max	Pack
DN8300.111	€ 2,31	115 x 22 mm	36	13300	10
DN8300.112	€ 2,31	115 x 22 mm	40	13300	10
DN8300.114	€ 2,31	115 x 22 mm	60	13300	10
DN8300.115	€ 2,31	115 x 22 mm	80	13300	10
DN8300.117	€ 2,31	115 x 22 mm	120	13300	10
DN8300.122	€ 2,89	125 x 22 mm	40	12250	10
DN8300.124	€ 2,89	125 x 22 mm	60	12250	10
DN8300.125	€ 2,89	125 x 22 mm	80	12250	10
DN8300.182	€ 4,80	180 x 22 mm	40	8500	10
DN8300.184	€ 4,80	180 x 22 mm	60	8500	10
DN8300.185	€ 4,80	180 x 22 mm	80	8500	10



DN8550-Z

PROFESSIONAL FLAP DISC REAL FLAT

Thanks to a special convex shape backing, this flap discs type are perfectly flat discs with large flaps and constant density and hardness both at the centre and on the peripheral diameter of the disc.



Art.	€	Dimensions	Grit	rpm max	Pack
DN8550.112	€ 3,36	115 x 22 mm	40	13300	10
DN8550.114	€ 3,36	115 x 22 mm	60	13300	10
DN8550.115	€ 3,36	115 x 22 mm	80	13300	10
DN8550.117	€ 3,36	115 x 22 mm	120	13300	10



DF8600-Z

PROFESSIONAL FLAP DISC BIGGER

Grind even longer, even faster, and even better finishing with bigger disc. the new structure provides better benefits compared to conventional flap or grinding discs: 50% more abrasion capacity, saving a great deal of working time, 2x longer service life, excellent value for money, cooler grinding, costs and working time reduction

Zr Glass fiber T27 Single EN 13743 Roughing Steel Stainless steel Cast Iron Surface Prep. 0 - 15° Angle grinder Made in REFLEX

Art.	€	Dimensions	Grit	rpm max	Pack
DF8600.112	€ 2,79	115 x 22 mm	40	13300	10
DF8600.114	€ 2,79	115 x 22 mm	60	13300	10
DF8600.115	€ 2,79	115 x 22 mm	80	13300	10
DF8600.117	€ 2,79	115 x 22 mm	120	13300	10
DF8600.122	€ 3,27	125 x 22 mm	40	12250	10
DF8600.124	€ 3,27	125 x 22 mm	60	12250	10
DF8600.125	€ 3,27	125 x 22 mm	80	12250	10
DF8600.127	€ 3,27	125 x 22 mm	120	12250	10
DF8600.182	€ 5,70	180 x 22 mm	40	8500	10
DF8600.184	€ 5,70	180 x 22 mm	60	8500	10
DF8600.185	€ 5,70	180 x 22 mm	80	8500	10
DF8600.187	€ 5,70	180 x 22 mm	120	8500	10



DF8700-Z

PROFESSIONAL FLAP DISC TIGER

Tiger is a flap disc with an additional 70% abrasive cloth compared to standard professional discs. its shape allows the full use of the abrasive as well as making it particularly compact. this feature, combined to reinforced support, allows to exert a higher specific pressure and consequently a more rapid removal.

Zr Glass fiber T27 Single EN 13743 Roughing Steel Stainless steel Cast Iron Surface Prep. 0 - 15° Angle grinder Made in REFLEX

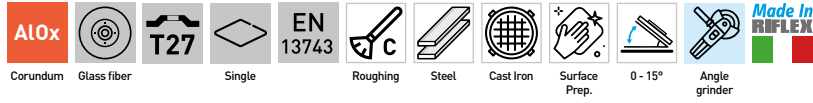
Art.	€	Dimensions	Grit	rpm max	Pack
DF8700.112	€ 2,89	115 x 22 mm	40	13300	10
DF8700.114	€ 2,89	115 x 22 mm	60	13300	10
DF8700.115	€ 2,89	115 x 22 mm	80	13300	10
DF8700.117	€ 2,89	115 x 22 mm	120	13300	10





DF8100-A

PROFESSIONAL FLAP DISC CLASSIC

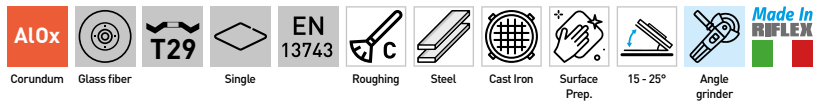


Art.	€	Dimensions	Grit	rpm max	Pack
DF8100.212	€ 2,21	115 x 22 mm	40	13300	10
DF8100.214	€ 2,21	115 x 22 mm	60	13300	10
DF8100.215	€ 2,21	115 x 22 mm	80	13300	10



DF8150-A

PROFESSIONAL FLAP DISC CLASSIC

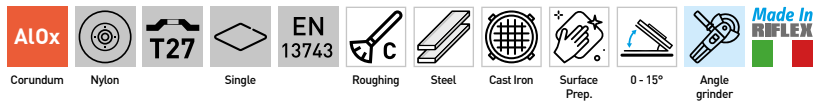


Art.	€	Dimensions	Grit	rpm max	Pack
DF8150.212	€ 2,21	115 x 22 mm	40	13300	10
DF8150.214	€ 2,21	115 x 22 mm	60	13300	10
DF8150.215	€ 2,21	115 x 22 mm	80	13300	10



DN8100-A

PROFESSIONAL FLAP DISC CLASSIC

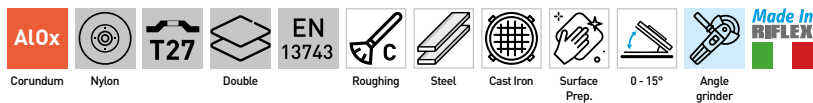


Art.	€	Dimensions	Grit	rpm max	Pack
DN8100.212	€ 2,21	115 x 22 mm	40	13300	10
DN8100.214	€ 2,21	115 x 22 mm	60	13300	10
DN8100.215	€ 2,21	115 x 22 mm	80	13300	10



DN8300-A

PROFESSIONAL FLAP DISC DUAL FLAP



Art.	€	Dimensions	Grit	rpm max	Pack
DN8300.212	€ 2,21	115 x 22 mm	40	13300	10
DN8300.214	€ 2,21	115 x 22 mm	60	13300	10
DN8300.215	€ 2,21	115 x 22 mm	80	13300	10



PERFORMANCE

HIGH PERFORMANCE

Wide range of professional flap discs based on aluminum oxide or zirconia.

For mass productions and where high removal capacity is required - Designed for medium and large companies. Ideal for demanding users and heavy-duty applications where long disk life is required.

DF6100-Z

PERFORMANCE FLAP DISC CLASSIC

Zr Made In ITALY

Art.	€	Dimensions	Grit	rpm max	Pack
DF6100.112	€ 2,12	115 x 22 mm	40	13300	10
DF6100.114	€ 2,12	115 x 22 mm	60	13300	10
DF6100.115	€ 2,12	115 x 22 mm	80	13300	10
DF6100.117	€ 2,12	115 x 22 mm	120	13300	10
DF6100.122	€ 2,60	125 x 22 mm	40	12250	10
DF6100.124	€ 2,60	125 x 22 mm	60	12250	10
DF6100.125	€ 2,60	125 x 22 mm	80	12250	10
DF6100.182	€ 4,32	180 x 22 mm	40	8500	10
DF6100.184	€ 4,32	180 x 22 mm	60	8500	10
DF6100.185	€ 4,32	180 x 22 mm	80	8500	10



DF6150-Z

PERFORMANCE FLAP DISC CLASSIC

Zr Made In ITALY

Art.	€	Dimensions	Grit	rpm max	Pack
DF6150.112	€ 2,12	115 x 22 mm	40	13300	10
DF6150.114	€ 2,12	115 x 22 mm	60	13300	10
DF6150.115	€ 2,12	115 x 22 mm	80	13300	10
DF6150.117	€ 2,12	115 x 22 mm	120	13300	10
DF6150.122	€ 2,60	125 x 22 mm	40	12250	10
DF6150.124	€ 2,60	125 x 22 mm	60	12250	10
DF6150.125	€ 2,60	125 x 22 mm	80	12250	10
DF6150.182	€ 4,32	180 x 22 mm	40	8500	10
DF6150.184	€ 4,32	180 x 22 mm	60	8500	10
DF6150.185	€ 4,32	180 x 22 mm	80	8500	10





DN6100-Z

PERFORMANCE FLAP DISC CLASSIC

Zirconium
 Nylon
 T27
 Single
 EN 13743
 Roughing
 Steel
 Stainless steel
 Cast Iron
 Surface Prep.
 0 - 15°
 Angle grinder
 Made in RIFLEX

Art.	€	Dimensions	Grit	rpm max	Pack
DN6100.112	€ 2,12	115 x 22 mm	40	13300	10
DN6100.114	€ 2,12	115 x 22 mm	60	13300	10
DN6100.115	€ 2,12	115 x 22 mm	80	13300	10
DN6100.117	€ 2,12	115 x 22 mm	120	13300	10
DN6100.122	€ 2,60	125 x 22 mm	40	12250	10
DN6100.124	€ 2,60	125 x 22 mm	60	12250	10
DN6100.125	€ 2,60	125 x 22 mm	80	12250	10
DN6100.182	€ 4,32	180 x 22 mm	40	8500	10
DN6100.184	€ 4,32	180 x 22 mm	60	8500	10
DN6100.185	€ 4,32	180 x 22 mm	80	8500	10



DN6300-Z

PERFORMANCE FLAP DISC DUAL FLAP

Zirconium
 Nylon
 T27
 Double
 EN 13743
 Roughing
 Steel
 Stainless steel
 Cast Iron
 Surface Prep.
 0 - 15°
 Angle grinder
 Made in RIFLEX

Art.	€	Dimensions	Grit	rpm max	Pack
DN6300.112	€ 2,12	115 x 22 mm	40	13300	10
DN6300.114	€ 2,12	115 x 22 mm	60	13300	10
DN6300.115	€ 2,12	115 x 22 mm	80	13300	10
DN6300.117	€ 2,12	115 x 22 mm	120	13300	10
DN6300.122	€ 2,60	125 x 22 mm	40	12250	10
DN6300.124	€ 2,60	125 x 22 mm	60	12250	10
DN6300.125	€ 2,60	125 x 22 mm	80	12250	10
DN6300.182	€ 4,32	180 x 22 mm	40	8500	10
DN6300.184	€ 4,32	180 x 22 mm	60	8500	10
DN6300.185	€ 4,32	180 x 22 mm	80	8500	10



DN6550-Z

PERFORMANCE FLAP DISC REAL FLAT

Thanks to a special convex shape backing, this flap discs type are perfectly flat discs with large flaps and constant density and hardness both at the centre and on the peripheral diameter of the disc.

Zirconium
 Nylon
 T28
 Double
 EN 13743
 Roughing
 Steel
 Stainless steel
 Cast Iron
 Surface Prep.
 0 - 15°
 Angle grinder
 Made in RIFLEX

Art.	€	Dimensions	Grit	rpm max	Pack
DN6550.112	€ 2,89	115 x 22 mm	40	13300	10
DN6550.114	€ 2,89	115 x 22 mm	60	13300	10
DN6550.115	€ 2,89	115 x 22 mm	80	13300	10
DN6550.117	€ 2,89	115 x 22 mm	120	13300	10



DF6600-Z

PERFORMANCE FLAP DISC BIGGER

Grind even longer, even faster, and even better finishing with bigger disc. the new structure provides better benefits compared to conventional flap or grinding discs: 50% more abrasion capacity, saving a great deal of working time, 2x longer service life, excellent value for money, cooler grinding, costs and working time reduction

Zr Glass fiber T27 Single EN 13743 Roughing Steel Stainless steel Cast Iron Surface Prep. 0 - 15° Angle grinder **Made in REFLEX**

Art.	€	Dimensions	Grit	rpm max	Pack
DF6600.112	€ 2,60	115 x 22 mm	40	13300	10
DF6600.114	€ 2,60	115 x 22 mm	60	13300	10
DF6600.115	€ 2,60	115 x 22 mm	80	13300	10
DF6600.117	€ 2,60	115 x 22 mm	120	13300	10
DF6600.122	€ 2,98	125 x 22 mm	40	12250	10
DF6600.124	€ 2,98	125 x 22 mm	60	12250	10
DF6600.125	€ 2,98	125 x 22 mm	80	12250	10
DF6600.127	€ 2,98	125 x 22 mm	120	12250	10
DF6600.182	€ 5,30	180 x 22 mm	40	8500	10
DF6600.184	€ 5,30	180 x 22 mm	60	8500	10



DF6700-Z

PERFORMANCE FLAP DISC TIGER

Tiger is a flap disc with an additional 70% abrasive cloth compared to standard professional discs. its shape allows the full use of the abrasive as well as making it particularly compact. this feature, combined to reinforced support, allows to exert a higher specific pressure and consequently a more rapid removal.

Zr Glass fiber T27 Single EN 13743 Roughing Steel Stainless steel Cast Iron Surface Prep. 0 - 15° Angle grinder **Made in REFLEX**

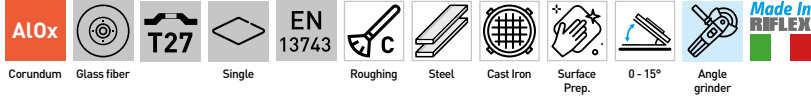
Art.	€	Dimensions	Grit	rpm max	Pack
DF6700.112	€ 2,50	115 x 22 mm	40	13300	10
DF6700.114	€ 2,50	115 x 22 mm	60	13300	10
DF6700.115	€ 2,50	115 x 22 mm	80	13300	10
DF6700.117	€ 2,50	115 x 22 mm	120	13300	10





DF6100-A

PERFORMANCE FLAP DISC CLASSIC

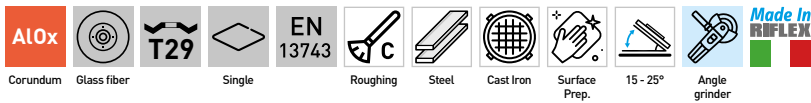


Art.	€	Dimensions	Grit	rpm max	Pack
DF6100.212	€ 2,02	115 x 22 mm	40	13300	10
DF6100.214	€ 2,02	115 x 22 mm	60	13300	10
DF6100.215	€ 2,02	115 x 22 mm	80	13300	10



DF6150-A

PERFORMANCE FLAP DISC CLASSIC

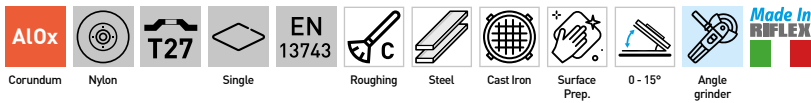


Art.	€	Dimensions	Grit	rpm max	Pack
DF6150.212	€ 2,02	115 x 22 mm	40	13300	10
DF6150.214	€ 2,02	115 x 22 mm	60	13300	10
DF6150.215	€ 2,02	115 x 22 mm	80	13300	10



DN6100-A

PERFORMANCE FLAP DISC CLASSIC

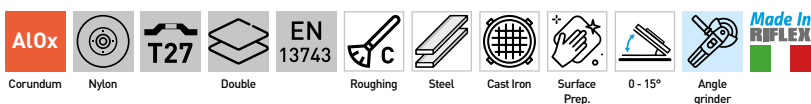


Art.	€	Dimensions	Grit	rpm max	Pack
DN6100.212	€ 2,02	115 x 22 mm	40	13300	10
DN6100.214	€ 2,02	115 x 22 mm	60	13300	10
DN6100.215	€ 2,02	115 x 22 mm	80	13300	10



DN6300-A

PERFORMANCE FLAP DISC DUAL FLAP



Art.	€	Dimensions	Grit	rpm max	Pack
DN6300.212	€ 2,02	115 x 22 mm	40	13300	10
DN6300.214	€ 2,02	115 x 22 mm	60	13300	10
DN6300.215	€ 2,02	115 x 22 mm	80	13300	10





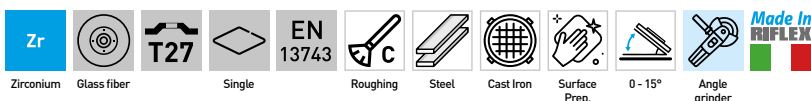
MULTI PURPOSE

The “best seller”, suitable for massive removals and finishing on most types of ferrous and non-ferrous metal surfaces.

For specific uses, mass productions and finishing - Designed for artisans, large and medium industries. Ideal for the removal of weld seams and processes where long life of the disk is required, as well as sheet metal deburring.

DF4100-Z

GRINDFLEX FLAP DISC CLASSIC

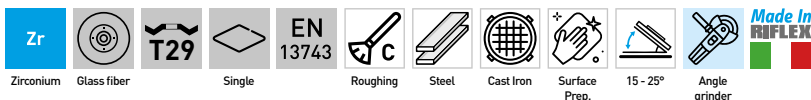


Art.	€	Dimensions	Grit	rpm max	Pack
DF4100.112	€ 1,93	115 x 22 mm	40	13300	10
DF4100.114	€ 1,93	115 x 22 mm	60	13300	10
DF4100.115	€ 1,93	115 x 22 mm	80	13300	10
DF4100.117	€ 1,93	115 x 22 mm	120	13300	10
DF4100.122	€ 2,31	125 x 22 mm	40	12250	10
DF4100.124	€ 2,31	125 x 22 mm	60	12250	10
DF4100.125	€ 2,31	125 x 22 mm	80	12250	10
DF4100.127	€ 2,31	125 x 22 mm	120	12250	10
DF4100.182	€ 3,84	180 x 22 mm	40	8500	10
DF4100.184	€ 3,84	180 x 22 mm	60	8500	10
DF4100.185	€ 3,84	180 x 22 mm	80	8500	10
DF4100.187	€ 3,84	180 x 22 mm	120	8500	10



DF4150-Z

GRINDFLEX FLAP DISC CLASSIC



Art.	€	Dimensions	Grit	rpm max	Pack
DF4150.112	€ 1,93	115 x 22 mm	40	13300	10
DF4150.114	€ 1,93	115 x 22 mm	60	13300	10
DF4150.115	€ 1,93	115 x 22 mm	80	13300	10
DF4150.117	€ 1,93	115 x 22 mm	120	13300	10
DF4150.122	€ 2,31	125 x 22 mm	40	12250	10
DF4150.124	€ 2,31	125 x 22 mm	60	12250	10
DF4150.125	€ 2,31	125 x 22 mm	80	12250	10
DF4150.127	€ 2,31	125 x 22 mm	120	12250	10
DF4150.182	€ 3,84	180 x 22 mm	40	8500	10
DF4150.184	€ 3,84	180 x 22 mm	60	8500	10
DF4150.185	€ 3,84	180 x 22 mm	80	8500	10
DF4150.187	€ 3,84	180 x 22 mm	120	8500	10





DN4100-Z

GRINDFLEX FLAP DISC CLASSIC

Zr Nylon T27 Single EN 13743 Roughing Steel Cast Iron Surface Prep. 0 - 15° Angle grinder Made In ITALY

Art.	€	Dimensions	Grit	rpm max	Pack
DN4100.112	€ 1,93	115 x 22 mm	40	13300	10
DN4100.114	€ 1,93	115 x 22 mm	60	10500	10
DN4100.115	€ 1,93	115 x 22 mm	80	13300	10
DN4100.122	€ 2,41	125 x 22 mm	40	12250	10
DN4100.124	€ 2,41	125 x 22 mm	60	12250	10



DN4300-Z

GRINDFLEX FLAP DISC DUAL FLAP

Zr Nylon T27 Double EN 13743 Roughing Steel Cast Iron Surface Prep. 0 - 15° Angle grinder Made In ITALY

Art.	€	Dimensions	Grit	rpm max	Pack
DN4300.112	€ 1,93	115 x 22 mm	40	13300	10
DN4300.114	€ 1,93	115 x 22 mm	60	13300	10
DN4300.115	€ 1,93	115 x 22 mm	80	13300	10
DN4300.117	€ 1,93	115 x 22 mm	120	13300	10



DN4550-Z

GRINDFLEX FLAP DISC REAL FLAT

Thanks to a special convex shape backing, this flap discs type are perfectly flat discs with large flaps and constant density and hardness both at the centre and on the peripheral diameter of the disc.

Zr Nylon T28 Double EN 13743 Roughing Steel Cast Iron Surface Prep. 0 - 15° Angle grinder Made In ITALY

Art.	€	Dimensions	Grit	rpm max	Pack
DN4550.112	€ 2,69	115 x 22 mm	40	13300	10
DN4550.114	€ 2,69	115 x 22 mm	60	13300	10



DF4600-Z

GRINDFLEX FLAP DISC BIGGER

Grind even longer, even faster, and even better finishing with bigger disc. the new structure provides better benefits compared to conventional flap or grinding discs: 50% more abrasion capacity, saving a great deal of working time, 2x longer service life, excellent value for money, cooler grinding, costs and working time reduction

Zirconium	Glass fiber	T27	Single	EN 13743	Roughing	Steel	Cast Iron	Surface Prep.	0 - 15°	Angle grinder	Made in ITALY

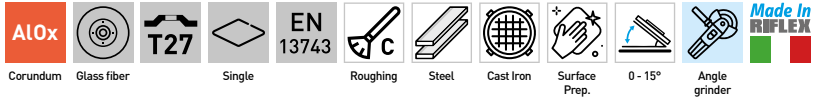
Art.	€	Dimensions	Grit	rpm max	Pack
DF4600.112	€ 2,41	115 x 22 mm	40	13300	10
DF4600.114	€ 2,41	115 x 22 mm	60	13300	10
DF4600.115	€ 2,41	115 x 22 mm	80	13300	10
DF4600.117	€ 2,41	115 x 22 mm	120	13300	10
DF4600.122	€ 2,69	125 x 22 mm	40	12250	10
DF4600.124	€ 2,69	125 x 22 mm	60	12250	10
DF4600.182	€ 4,80	180 x 22 mm	40	8500	10
DF4600.184	€ 4,80	180 x 22 mm	60	8500	10





DF4100-A

GRINDFLEX FLAP DISC CLASSIC

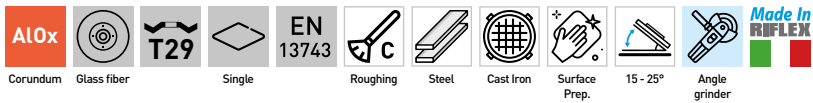


Art.	€	Dimensions	Grit	rpm max	Pack
DF4100.212	€ 1,74	115 x 22 mm	40	13300	10
DF4100.214	€ 1,74	115 x 22 mm	60	13300	10
DF4100.215	€ 1,74	115 x 22 mm	80	13300	10



DF4150-A

GRINDFLEX FLAP DISC CLASSIC

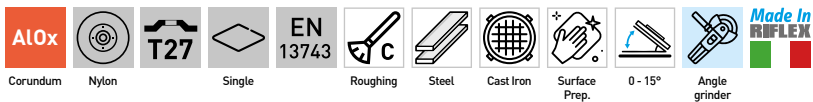


Art.	€	Dimensions	Grit	rpm max	Pack
DF4150.212	€ 1,74	115 x 22 mm	40	13300	10
DF4150.214	€ 1,74	115 x 22 mm	60	13300	10
DF4150.215	€ 1,74	115 x 22 mm	80	13300	10



DN4100-A

GRINDFLEX FLAP DISC CLASSIC

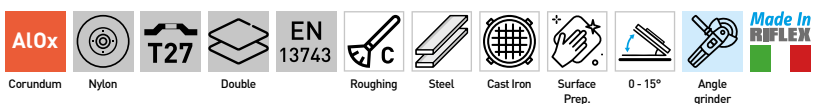


Art.	€	Dimensions	Grit	rpm max	Pack
DN4100.212	€ 1,83	115 x 22 mm	40	13300	10
DN4100.214	€ 1,83	115 x 22 mm	60	13300	10



DN4300-A

GRINDFLEX FLAP DISC DUAL FLAP



Art.	€	Dimensions	Grit	rpm max	Pack
DN4300.212	€ 1,74	115 x 22 mm	40	13300	10
DN4300.214	€ 1,74	115 x 22 mm	60	13300	10
DN4300.215	€ 1,74	115 x 22 mm	80	13300	10



SMARTFLEX

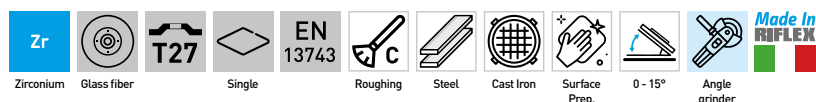
VALUE FOR MONEY

The best price with professional performances.
For removal and finishing operations.

For common uses and low productions - Designed for hobbyists, building and small artisans (individual companies), who do not want to give up performance. Ideal for removing welding beads, sheet metal deburring and finishing.

DF2100-Z

SMARTFLEX FLAP DISC CLASSIC

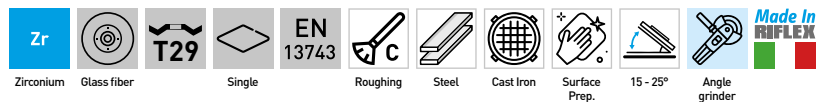


Art.	€	Dimensions	Grit	rpm max	Pack
DF2100.112	€ 1,74	115 x 22 mm	40	13300	10
DF2100.114	€ 1,74	115 x 22 mm	60	13300	10
DF2100.115	€ 1,74	115 x 22 mm	80	13300	10
DF2100.117	€ 1,74	115 x 22 mm	120	13300	10
DF2100.122	€ 2,12	125 x 22 mm	40	12250	10
DF2100.124	€ 2,12	125 x 22 mm	60	12250	10
DF2100.125	€ 2,12	125 x 22 mm	80	12250	10
DF2100.127	€ 2,12	125 x 22 mm	120	12250	10



DF2150-Z

SMARTFLEX FLAP DISC CLASSIC

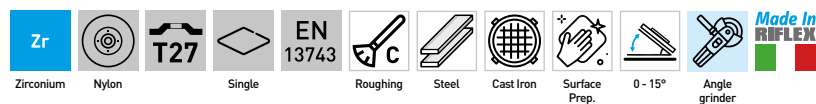


Art.	€	Dimensions	Grit	rpm max	Pack
DF2150.112	€ 1,74	115 x 22 mm	40	13300	10
DF2150.114	€ 1,74	115 x 22 mm	60	13300	10
DF2150.115	€ 1,74	115 x 22 mm	80	13300	10
DF2150.117	€ 1,74	115 x 22 mm	120	13300	10
DF2150.122	€ 2,12	125 x 22 mm	40	12250	10
DF2150.124	€ 2,12	125 x 22 mm	60	12250	10
DF2150.125	€ 2,12	125 x 22 mm	80	12250	10
DF2150.127	€ 2,12	125 x 22 mm	120	12250	10



DN2100-Z

SMARTFLEX FLAP DISC CLASSIC



Art.	€	Dimensions	Grit	rpm max	Pack
DN2100.112	€ 1,74	115 x 22 mm	40	13300	10
DN2100.114	€ 1,74	115 x 22 mm	60	13300	10
DN2100.115	€ 1,74	115 x 22 mm	80	13300	10
DN2100.117	€ 1,74	115 x 22 mm	120	13300	10
DN2100.122	€ 2,12	125 x 22 mm	40	12250	10
DN2100.124	€ 2,12	125 x 22 mm	60	12250	10
DN2100.125	€ 2,12	125 x 22 mm	80	12250	10
DN2100.127	€ 2,12	125 x 22 mm	120	12250	10





DN2300-Z

SMARTFLEX FLAP DISC DUAL FLAP

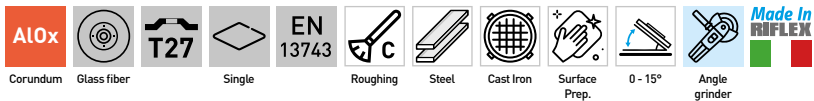
Zirconium	Nylon		Double	EN 13743	Roughing	Steel	Cast Iron	Surface Prep.	0 - 15°	Angle grinder	Made In ITALY

Art.	€	Dimensions	Grit	rpm max	Pack
DN2300.112	€ 1,74	115 x 22 mm	40	13300	10
DN2300.114	€ 1,74	115 x 22 mm	60	13300	10
DN2300.115	€ 1,74	115 x 22 mm	80	13300	10
DN2300.117	€ 1,74	115 x 22 mm	120	13300	10
DN2300.122	€ 2,12	125 x 22 mm	40	12250	10
DN2300.124	€ 2,12	125 x 22 mm	60	12250	10
DN2300.125	€ 2,12	125 x 22 mm	80	12250	10
DN2300.127	€ 2,12	125 x 22 mm	120	12250	10



DF2100-A

SMARTFLEX FLAP DISC CLASSIC

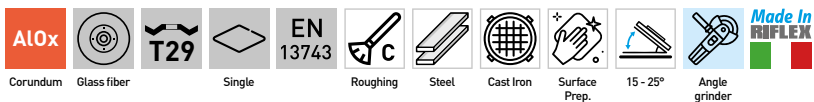


Art.	€	Dimensions	Grit	rpm max	Pack
DF2100.212	€ 1,53	115 x 22 mm	40	13300	10
DF2100.214	€ 1,53	115 x 22 mm	60	13300	10
DF2100.215	€ 1,53	115 x 22 mm	80	13300	10



DF2150-A

SMARTFLEX FLAP DISC CLASSIC

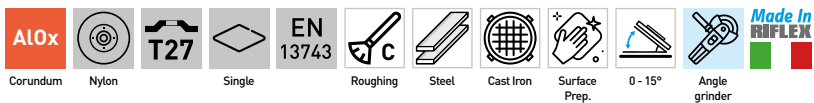


Art.	€	Dimensions	Grit	rpm max	Pack
DF2150.212	€ 1,53	115 x 22 mm	40	13300	10
DF2150.214	€ 1,53	115 x 22 mm	60	13300	10
DF2150.215	€ 1,53	115 x 22 mm	80	13300	10



DN2100-A

SMARTFLEX FLAP DISC CLASSIC



Art.	€	Dimensions	Grit	rpm max	Pack
DN2100.212	€ 1,53	115 x 22 mm	40	13300	10
DN2100.214	€ 1,53	115 x 22 mm	60	13300	10
DN2100.215	€ 1,53	115 x 22 mm	80	13300	10





SPECIALTY INOX

**Best solution for machining of stainless steel surfaces.
Ceramic cloth, added with cooling “top size” layer.**

For applications in the food, pharmaceutical and chemical industries. Designed for stainless steel specialists. Ideal for processing thin sheets, important burrs of weld seams and where a temperature-resistant product is required.

SPECIALTY INOX is a flap disc composed by an abrasive cloth “**TOP SIZE**” with a mixture of **zirconia and ceramic abrasive grain**. These high quality materials allow a **very high cutting speed** together with an **extraordinary disc life**. The further layer “**TOP SIZE**” drastically reduces the overheating of the disc and of the workpiece, with **obvious benefits when working on stainless steels**. The light blue color is by nature devoid of iron oxides so as to prevent contamination of stainless steels ($\geq 0,1\%$ Fe, S, Cl)

DF9100-ZC

ZIRCO CER FLAP DISC CLASSIC

Zirconium	Glass fiber	T27	Single	EN 13743	Roughing	Stainless steel	Surface Prep.	0 - 15°	Angle grinder	Made in Reflex

Art.	€	Dimensions	Grit	rpm max	Pack
DF9100.312	€ 3,08	115 x 22 mm	40+	13300	10
DF9100.314	€ 3,08	115 x 22 mm	60	13300	10
DF9100.322	€ 3,46	125 x 22 mm	40+	12250	10
DF9100.324	€ 3,46	125 x 22 mm	60	12250	10



DF9150-ZC

ZIRCO CER FLAP DISC CLASSIC

Zirconium	Glass fiber	T29	Single	EN 13743	Roughing	Stainless steel	Surface Prep.	15 - 25°	Angle grinder	Made in Reflex

Art.	€	Dimensions	Grit	rpm max	Pack
DF9150.312	€ 3,08	115 x 22 mm	40+	13300	10
DF9150.314	€ 3,08	115 x 22 mm	60	13300	10
DF9150.322	€ 3,46	125 x 22 mm	40+	12250	10
DF9150.324	€ 3,46	125 x 22 mm	60	12250	10



DN9100-ZC

ZIRCO CER FLAP DISC CLASSIC

Zr Nylon T27 Single EN 13743 Roughing Stainless steel Surface Prep. 0 - 15° Angle grinder Made In ITALY

Art.	€	Dimensions	Grit	rpm max	Pack
DN9100.312	€ 3,08	115 x 22 mm	40+	13300	10
DN9100.314	€ 3,08	115 x 22 mm	60	13300	10
DN9100.322	€ 3,46	125 x 22 mm	40+	12250	10
DN9100.324	€ 3,46	125 x 22 mm	60	12250	10



DF9800-ZC

ZIRCO CER FLAP DISC RAPTOR

Raptor has higher cutting speed and maximum removal power thanks to its particular shape

Zr Nylon T27 Single EN 13743 Roughing Stainless steel Surface Prep. 0 - 15° Angle grinder Made In ITALY

Art.	€	Dimensions	Grit	rpm max	Pack
DF9800.312	€ 2,79	115 x 22 mm	40	13300	10
DF9800.322	€ 3,08	125 x 22 mm	40	12250	10





SPECIALTY CER

Best solution for machining stainless steel surfaces, especially for heavy removal with the highest cutting speed, with 100% ceramic abrasive cloth with cooling “top size” layer.

For applications in the food, pharmaceutical and chemical industries. Designed for stainless steel specialists. Ideal for processing thin sheets, important burrs of weld seams and where a temperature-resistant product is required.

SPECIALTY CER is a **flap disc** composed by an abrasive cloth “**TOP SIZE**” with a **100% ceramic abrasive** grain. These high-quality materials allow for **maximum cutting speed** together with an **extraordinary disc life**. The further layer “**TOP SIZE**” drastically reduces the overheating of the disc and of the workpiece, with **obvious benefits when working on stainless steels**. The particularly strong polycotton fabric allows **hard working pressures**.

DF9101-C

NEW

CERAMIC FLAP DISC CLASSIC



Art.	€	Dimensions	Grit	rpm max	Pack
DF9101.312	€ 3,80	115 x 22 mm	40	13300	10
DF9101.314	€ 3,80	115 x 22 mm	60	13300	10
DF9101.322	€ 4,80	125 x 22 mm	40	12250	10
DF9101.324	€ 4,80	125 x 22 mm	60	12250	10



DN9101-C

NEW

CERAMIC FLAP DISC CLASSIC



Art.	€	Dimensions	Grit	rpm max	Pack
DN9101.312	€ 3,80	115 x 22 mm	40	13300	10
DN9101.314	€ 3,80	115 x 22 mm	60	13300	10
DN9101.322	€ 4,80	125 x 22 mm	40	12250	10
DN9101.324	€ 4,80	125 x 22 mm	60	12250	10



DF9801-C

NEW

CERAMIC FLAP DISC RAPTOR

Raptor has higher cutting speed and maximum removal power thanks to its particular shape



Art.	€	Dimensions	Grit	rpm max	Pack
DF9801.312	€ 3,80	115 x 22 mm	40	13300	10
DF9801.322	€ 4,80	125 x 22 mm	40	12250	10



SPECIALTY ALU

LOW TEMPERATURES, HIGH PERFORMANCE.

Ideal disc for machining aluminum surfaces, with Abranet® Max canvas.

For deburring and finishing on aluminum and non-ferrous materials such as copper, zinc, brass, magnesium as well as wood and composite materials and where the problem of clogging could arise.

SPECIALTY ALU is a **special disc** designed for **aluminum** processing and, in general, for all non-ferrous metals and composite materials. It is made with a **special polyamide net support that avoids clogging of the abrasive** and allows the processing of the material at low temperature.

DF9103-M

SPECIALTY ALU FLAP DISC CLASSIC



Art.	€	Dimensions	Grit	rpm max	Pack
DF9103.512	€ 3,83	115 x 22 mm	40	13300	10
DF9103.514	€ 3,83	115 x 22 mm	60	13300	10
DF9103.515	€ 3,83	115 x 22 mm	80	13300	10
DF9103.517	€ 3,83	115 x 22 mm	120	13300	10
DF9103.522	€ 4,95	125 x 22 mm	40	12250	10
DF9103.524	€ 4,95	125 x 22 mm	60	12250	10
DF9103.525	€ 4,95	125 x 22 mm	80	12250	10
DF9103.527	€ 4,95	125 x 22 mm	120	12250	10



DF9153-M

SPECIALTY ALU FLAP DISC CLASSIC



Art.	€	Dimensions	Grit	rpm max	Pack
DF9153.512	€ 3,83	115 x 22 mm	40	13300	10
DF9153.514	€ 3,83	115 x 22 mm	60	13300	10
DF9153.515	€ 3,83	115 x 22 mm	80	13300	10
DF9153.517	€ 3,83	115 x 22 mm	120	13300	10
DF9153.522	€ 4,95	125 x 22 mm	40	12250	10
DF9153.524	€ 4,95	125 x 22 mm	60	12250	10
DF9153.525	€ 4,95	125 x 22 mm	80	12250	10
DF9153.527	€ 4,95	125 x 22 mm	120	12250	10

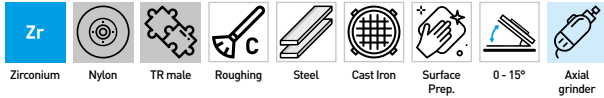




MFDXZ

MINI FLAP DISC

Fast lock. long life, deburring and blending small areas, grinding edges.



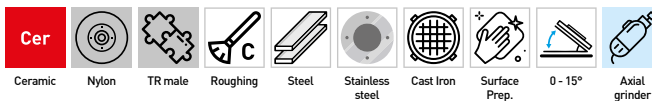
Art.	€	Diameter ø	Grit	rpm max	Pack
MFD050/040Z	€ 2,22	50 mm	40	25000	10
MFD050/060Z	€ 2,22	50 mm	60	25000	10
MFD050/080Z	€ 2,22	50 mm	80	25000	10
MFD050/120Z	€ 2,22	50 mm	120	25000	10
MFD075/040Z	€ 3,75	75 mm	40	20000	10
MFD075/060Z	€ 3,75	75 mm	60	20000	10
MFD075/080Z	€ 3,75	75 mm	80	20000	10
MFD075/120Z	€ 3,75	75 mm	120	20000	10



MFDXZC

CERAMIC MINI FLAP DISC

Fast lock. ceramic abrasive is hard and self sharpening, with faster stock removal and much longer life compared to zirconia. ideal to work on edges or with heavy pressure.

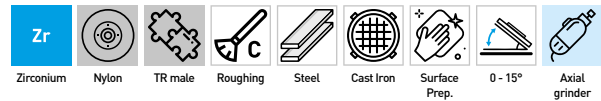


Art.	€	Diameter ø	Grit	rpm max	Pack
MFD050/040ZC	€ 2,41	50 mm	40	25000	10
MFD050/060ZC	€ 2,41	50 mm	60	25000	10
MFD050/080ZC	€ 2,41	50 mm	80	25000	10

MCDXZ

MINI CUP FLAP DISC

Fast lock. suited for contoured surfaces. more flexible and conformable compared to mini discs.



Art.	€	Diameter ø	Grit	rpm max	Pack
MCD050/040Z	€ 3,30	50 mm	40	25000	10
MCD050/060Z	€ 3,30	50 mm	60	25000	10
MCD050/080Z	€ 3,30	50 mm	80	25000	10
MCD050/120Z	€ 3,30	50 mm	120	25000	10

SGFX

RUBBER HOLDER

Monobloc, suitable for all types of fast locks.



Art.	€	Diameter ø	Shank	rpm max
SGF050/06	€ 8,70	50 mm	6 mm	30000
SGF075/06	€ 10,10	75 mm	6 mm	28000

SFFX

RUBBER HOLDER

In two parts both with M14 connection and pin, suitable for all types of fast-locks.



Art.	€	Diameter ø	Thread	Shank	rpm max
SFF050/M14	€ 13,20	50 mm	M14	6 mm	30000
SFF075/M14	€ 14,90	75 mm	M14	6 mm	28000

RMTX

MICRO FLAP WHEELS

ADR3/6 € 10,00
ADAPTER FROM SHAFT 3MM TO 6mm



RGTX

ALUMINIUM OXIDE SHAFT-MOUNTED CLOTH WHEELS



Art.	€	Diameter ø	H	Shank	Grit	rpm max	Pack
RMT1010/060	€ 2,37	10 mm	10 mm	3 mm	60	26000	25
RMT1010/080	€ 2,37	10 mm	10 mm	3 mm	80	26000	25
RMT1010/120	€ 2,37	10 mm	10 mm	3 mm	120	26000	25
RMT1515/060	€ 1,99	15 mm	15 mm	3 mm	60	26000	25
RMT1515/080	€ 1,99	15 mm	15 mm	3 mm	80	26000	25
RMT1515/120	€ 1,99	15 mm	15 mm	3 mm	120	26000	25

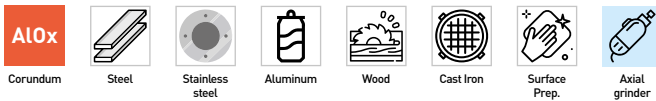


Art.	€	Dimensions	Shank	Grit	rpm max	Pack
RGT2010/40	€ 2,16	20 x 10 mm	6 mm	40	26000	10
RGT2010/60	€ 2,16	20 x 10 mm	6 mm	60	26000	10
RGT2010/80	€ 2,16	20 x 10 mm	6 mm	80	26000	10
RGT2010/120	€ 2,16	20 x 10 mm	6 mm	120	26000	10
RGT2015/40	€ 2,16	20 x 15 mm	6 mm	40	25000	10
RGT2015/60	€ 2,16	20 x 15 mm	6 mm	60	25000	10
RGT2015/80	€ 2,16	20 x 15 mm	6 mm	80	25000	10
RGT2015/120	€ 2,16	20 x 15 mm	6 mm	120	25000	10
RGT2515/60	€ 2,05	25 x 15 mm	6 mm	60	25000	10
RGT2515/80	€ 2,05	25 x 15 mm	6 mm	80	25000	10
RGT2515/120	€ 2,05	25 x 15 mm	6 mm	120	25000	10
RGT2525/40	€ 2,04	25 x 25 mm	6 mm	40	25000	10
RGT2525/60	€ 2,04	25 x 25 mm	6 mm	60	25000	10
RGT2525/80	€ 2,04	25 x 25 mm	6 mm	80	25000	10
RGT2525/120	€ 2,04	25 x 25 mm	6 mm	120	25000	10
RGT3010/40	€ 1,97	30 x 10 mm	6 mm	40	22900	10
RGT3010/60	€ 1,97	30 x 10 mm	6 mm	60	22900	10
RGT3010/80	€ 1,97	30 x 10 mm	6 mm	80	22900	10
RGT3010/120	€ 1,97	30 x 10 mm	6 mm	120	22900	10
RGT3015/40	€ 2,16	30 x 15 mm	6 mm	40	22900	10
RGT3015/60	€ 2,16	30 x 15 mm	6 mm	60	22900	10
RGT3015/80	€ 2,16	30 x 15 mm	6 mm	80	22900	10
RGT3015/120	€ 2,16	30 x 15 mm	6 mm	120	22900	10
RGT3020/40	€ 2,29	30 x 20 mm	6 mm	40	22900	10
RGT3020/60	€ 2,29	30 x 20 mm	6 mm	60	22900	10
RGT3020/80	€ 2,29	30 x 20 mm	6 mm	80	22900	10
RGT3020/120	€ 2,29	30 x 20 mm	6 mm	120	22900	10
RGT4015/40	€ 2,31	40 x 15 mm	6 mm	40	17100	10
RGT4015/60	€ 2,31	40 x 15 mm	6 mm	60	17100	10
RGT4015/80	€ 2,38	40 x 15 mm	6 mm	80	17100	10
RGT4015/120	€ 2,38	40 x 15 mm	6 mm	120	17100	10
RGT4020/40	€ 2,38	40 x 20 mm	6 mm	40	17100	10
RGT4020/60	€ 2,38	40 x 20 mm	6 mm	60	17100	10
RGT4020/80	€ 2,38	40 x 20 mm	6 mm	80	17100	10
RGT4020/120	€ 2,38	40 x 20 mm	6 mm	120	17100	10
RGT4030/40	€ 2,72	40 x 30 mm	6 mm	40	17100	10
RGT4030/60	€ 2,72	40 x 30 mm	6 mm	60	17100	10
RGT4030/80	€ 2,72	40 x 30 mm	6 mm	80	17100	10
RGT4030/120	€ 2,72	40 x 30 mm	6 mm	120	17100	10
RGT5020/40	€ 2,48	50 x 20 mm	6 mm	40	13700	10
RGT5020/60	€ 2,48	50 x 20 mm	6 mm	60	13700	10
RGT5020/80	€ 2,48	50 x 20 mm	6 mm	80	13700	10
RGT5020/120	€ 2,48	50 x 20 mm	6 mm	120	13700	10
RGT5030/40	€ 2,93	50 x 30 mm	6 mm	40	11400	10
RGT5030/60	€ 2,93	50 x 30 mm	6 mm	60	11400	10
RGT5030/80	€ 2,93	50 x 30 mm	6 mm	80	11400	10
RGT5030/120	€ 2,93	50 x 30 mm	6 mm	120	11400	10
RGT6020/40	€ 3,28	60 x 20 mm	6 mm	40	11400	10
RGT6020/60	€ 3,28	60 x 20 mm	6 mm	60	11400	10
RGT6020/80	€ 3,28	60 x 20 mm	6 mm	80	11400	10
RGT6020/120	€ 3,28	60 x 20 mm	6 mm	120	11400	10
RGT6030/40	€ 3,60	60 x 30 mm	6 mm	40	11400	10
RGT6030/60	€ 3,60	60 x 30 mm	6 mm	60	11400	10
RGT6030/80	€ 3,60	60 x 30 mm	6 mm	80	11400	10
RGT6030/120	€ 3,60	60 x 30 mm	6 mm	120	11400	10

RGMX

MIXED NONWOVEN AND CLOTH WHEELS WITH SHAFT

Made of nonwoven flaps interspersed with abrasive cloth flaps arranged radially.



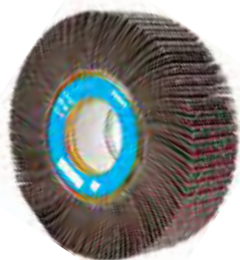
Art.	€	Dimensions	Shank	Cloth	Grit	Pack
RGM030/20M	€ 4,34	30 x 20 mm	6 mm	A/O-M	60	10
RGM030/20F	€ 4,34	30 x 20 mm	6 mm	A/O-F	100	10
RGM030/20VF	€ 4,34	30 x 20 mm	6 mm	A/O-VF	150	10
RGM040/20M	€ 5,20	40 x 20 mm	6 mm	A/O-M	60	10
RGM040/20F	€ 5,20	40 x 20 mm	6 mm	A/O-F	100	10
RGM040/20VF	€ 5,20	40 x 20 mm	6 mm	A/O-VF	150	10
RGM050/30M	€ 5,80	50 x 30 mm	6 mm	A/O-M	60	10
RGM050/30F	€ 5,80	50 x 30 mm	6 mm	A/O-F	100	10
RGM050/30VF	€ 5,80	50 x 30 mm	6 mm	A/O-VF	150	10
RGM060/30M	€ 6,60	60 x 30 mm	6 mm	A/O-M	60	10
RGM060/30F	€ 6,60	60 x 30 mm	6 mm	A/O-F	100	10
RGM060/30VF	€ 6,60	60 x 30 mm	6 mm	A/O-VF	150	10
RGM080/50M	€ 8,60	80 x 50 mm	6 mm	A/O-M	60	10
RGM080/50F	€ 8,60	80 x 50 mm	6 mm	A/O-F	100	10
RGM080/50VF	€ 8,60	80 x 50 mm	6 mm	A/O-VF	150	10



RFTX

ALUMINIUM OXIDE CLOTH WHEELS WITH HOLE

The wheel can be configured on the profile of the workpiece. Lubricating the wheel with oil or fat, it improves the degree of finish, the duration of the wheel and is held action dustproof.



Art.	€	Dimensions	Grit	rpm max
RFT165/25040	€ 20,20	165 x 25 x 54 mm	40	5200
RFT165/25060	€ 20,80	165 x 25 x 54 mm	60	5200
RFT165/25080	€ 21,00	165 x 25 x 54 mm	80	5200
RFT165/25120	€ 21,60	165 x 25 x 54 mm	120	5200
RFT165/25220	€ 27,30	165 x 25 x 54 mm	220	5200
RFT165/30040	€ 21,10	165 x 30 x 54 mm	40	5200
RFT165/30060	€ 34,10	165 x 30 x 54 mm	60	5200
RFT165/30080	€ 21,80	165 x 30 x 54 mm	80	5200
RFT165/30120	€ 22,70	165 x 30 x 54 mm	120	5200
RFT165/30220	€ 44,80	165 x 30 x 54 mm	220	5200
RFT165/50040	€ 40,00	165 x 50 x 54 mm	40	5200
RFT165/50060	€ 43,20	165 x 50 x 54 mm	60	5200
RFT165/50080	€ 44,10	165 x 50 x 54 mm	80	5200
RFT165/50120	€ 47,90	165 x 50 x 54 mm	120	5200
RFT165/50220	€ 41,20	165 x 50 x 54 mm	220	5200
RFT165/50040A	€ 29,30	165 x 50 x 25 mm	40	5200
RFT165/50060A	€ 29,80	165 x 50 x 25 mm	60	5200
RFT165/50080A	€ 30,90	165 x 50 x 25 mm	80	5200
RFT165/50120A	€ 31,90	165 x 50 x 25 mm	120	5200
RFT165/50220A	€ 41,20	165 x 50 x 25 mm	220	5200
RFT200/50040	€ 34,80	200 x 50 x 54 mm	40	3800
RFT200/50060	€ 38,30	200 x 50 x 54 mm	60	3800
RFT200/50080	€ 39,70	200 x 50 x 54 mm	80	3800
RFT200/50120	€ 41,00	200 x 50 x 54 mm	120	3800
RFT250/50040	€ 66,20	250 x 50 x 100 mm	40	3400
RFT250/50060	€ 70,40	250 x 50 x 100 mm	60	3400
RFT250/50080	€ 114,00	250 x 50 x 100 mm	80	3400
RFT250/50120	€ 118,00	250 x 50 x 100 mm	120	3400

FRFX

PAIR OF FLANGES

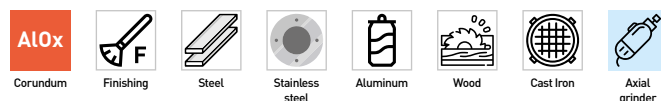


Art.	€	Size	Hole
FRF54/20	€ 17,00	54 mm	20 mm
FRF54/25	€ 17,00	54 mm	25 mm

RGPX

NONWOVEN WHEELS WITH SHAFT

Flaps arranged radially.



Art.	€	Dimensions	Shank	Grit	Pack
RGP030/20C	€ 3,76	30 x 20 mm	6 mm	COARSE	10
RGP030/20M	€ 3,76	30 x 20 mm	6 mm	MEDIUM	10
RGP030/20F	€ 3,76	30 x 20 mm	6 mm	FINE	10
RGP030/20VF	€ 3,76	30 x 20 mm	6 mm	VERY FINE	10
RGP040/20C	€ 4,02	40 x 20 mm	6 mm	COARSE	10
RGP040/20M	€ 4,02	40 x 20 mm	6 mm	MEDIUM	10
RGP040/20F	€ 4,02	40 x 20 mm	6 mm	FINE	10
RGP040/20VF	€ 4,02	40 x 20 mm	6 mm	VERY FINE	10
RGP050/30C	€ 5,10	50 x 30 mm	6 mm	COARSE	10
RGP050/30M	€ 5,10	50 x 30 mm	6 mm	MEDIUM	10
RGP050/30F	€ 5,10	50 x 30 mm	6 mm	FINE	10
RGP050/30VF	€ 5,10	50 x 30 mm	6 mm	VERY FINE	10
RGP060/30C	€ 5,30	60 x 30 mm	6 mm	COARSE	10
RGP060/30M	€ 5,30	60 x 30 mm	6 mm	MEDIUM	10
RGP060/30F	€ 5,30	60 x 30 mm	6 mm	FINE	10
RGP060/30VF	€ 5,30	60 x 30 mm	6 mm	VERY FINE	10
RGP080/50C	€ 8,20	80 x 50 mm	6 mm	COARSE	10
RGP080/50M	€ 8,20	80 x 50 mm	6 mm	MEDIUM	10
RGP080/50F	€ 8,20	80 x 50 mm	6 mm	FINE	10
RGP080/50VF	€ 8,20	80 x 50 mm	6 mm	VERY FINE	10

RLFX

THREADED BORE FLAP WHEEL

Suited for angle grinders with M14 thread. remove light weld seams on round and irregular metal surfaces.

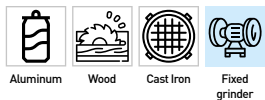


Art.	€	Size	Thread	Grit	rpm max
RLF115/040	€ 13,10	Ø 115 x 20 mm	M14	40	9000
RLF115/060	€ 13,10	Ø 115 x 20 mm	M14	60	9000
RLF115/080	€ 13,10	Ø 115 x 20 mm	M14	80	9000
RLF115/120	€ 13,10	Ø 115 x 20 mm	M14	120	9000
RLF125/040	€ 14,30	Ø 115 x 20 mm	M14	40	9000
RLF125/060	€ 14,30	Ø 125 X 20 mm	M14	60	9000
RLF125/080	€ 14,30	Ø 125 X 20 mm	M14	80	9000
RLF125/120	€ 14,30	Ø 125 X 20 mm	M14	120	9000

RFPX

NONWOVEN WHEELS WITH BORE

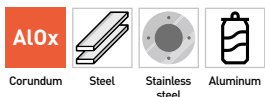
Made of nonwoven, flaps radially arranged.



Art.	€	Dimensions	Grit
RFP165/50M	€ 16,20	165 x 50 x 65 mm	Medium
RFP165/50F	€ 16,20	165 x 50 x 65 mm	Fine
RFP165/50VF	€ 16,20	165 x 50 x 65 mm	Very Fine
RFP200/50M	€ 22,70	200 x 50 x 110 mm	Medium
RFP200/50F	€ 22,70	200 x 50 x 110 mm	Fine
RFP200/50VF	€ 22,70	200 x 50 x 110 mm	Very Fine

RLMX

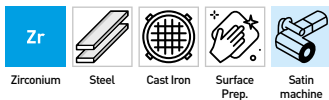
MIXED NONWOVEN WHEELS



Art.	€	Dimensions	Cloth	Grit	Hole diameter
RLM100/060C	€ 18,10	100 x 100 mm	A/C	60	19 mm
RLM100/080M	€ 18,10	100 x 100 mm	A/M	80	19 mm
RLM100/150F	€ 18,10	100 x 100 mm	A/F	150	19 mm

NAS100X-Z

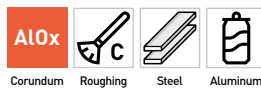
ZIRCONIA CLOTH BELTS



Art.	€	Dimensions	Grit
NAS100/040Z	€ 2,63	90 x 100 mm	40
NAS100/060Z	€ 2,63	90 x 100 mm	60
NAS100/080Z	€ 2,63	90 x 100 mm	80
NAS100/120Z	€ 2,63	90 x 100 mm	120

RLTX

ABRASIVE CLOTH WHEELS

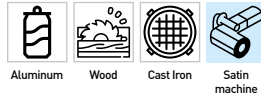


Art.	€	Dimensions	Grit	Hole diameter
RLT050/040	€ 15,20	100 x 50 mm	40	19 mm
RLT050/060	€ 15,20	100 x 50 mm	60	19 mm
RLT050/080	€ 15,20	100 x 50 mm	80	19 mm
RLT050/120	€ 15,20	100 x 50 mm	120	19 mm
RLT100/040	€ 22,10	100 x 100 mm	40	19 mm
RLT100/060	€ 22,10	100 x 100 mm	60	19 mm
RLT100/080	€ 23,10	100 x 100 mm	80	19 mm
RLT100/120	€ 23,10	100 x 100 mm	120	19 mm

RLPX

NONWOVEN WHEELS

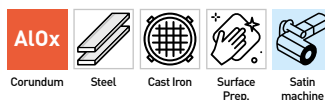
Diversified color according to the grit



Art.	€	Dimensions	Grit	Hole diameter
RLP100/C	€ 16,00	100 x 100 mm	A/O-C	19 mm
RLP100/M	€ 15,10	100 x 100 mm	A/O-M	19 mm
RLP100/F	€ 15,10	100 x 100 mm	A/O-F	19 mm
RLP100/VF	€ 15,10	100 x 100 mm	A/O-VF	19 mm

NAS100X-A

ALUMINIUM OXIDE CLOTH BELTS

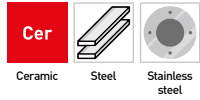


Art.	€	Dimensions	Grit
NAS100/180A	€ 2,38	90 x 100 mm	180
NAS100/240A	€ 2,38	90 x 100 mm	240



NAS100X-C

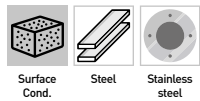
CERAMIC BELTS



Art.	€	Dimensions	Grit
NAS100/040C	€ 5,30	90 x 100 mm	40
NAS100/060C	€ 4,79	90 x 100 mm	60
NAS100/080C	€ 4,55	90 x 100 mm	80
NAS100/120C	€ 4,13	90 x 100 mm	120

SCSX

SURFACE CONDITIONING BELTS



Art.	€	Dimensions	Grit
SCS100/C	€ 13,60	90 x 100 mm	Coarse
SCS100/M	€ 12,90	90 x 100 mm	Medium
SCS100/VF	€ 12,90	90 x 100 mm	Very fine

ERW100

CENTRIFUGAL EXPANDING WHEEL

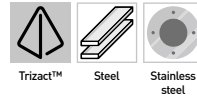
€ 75,50



Dimensions	90 x 100 mm
Hole	19.1 - 35 mm
rpm max	6000

NAT100X

TRIZACT BELTS



Art.	€	Dimensions	Grit
NAT100/A006	€ 8,50	90 x 100 mm	A6
NAT100/A016	€ 8,50	90 x 100 mm	A16
NAT100/A030	€ 8,50	90 x 100 mm	A30
NAT100/A045	€ 8,50	90 x 100 mm	A45
NAT100/A065	€ 8,50	90 x 100 mm	A65
NAT100/A100	€ 8,50	90 x 100 mm	A100
NAT100/A160	€ 8,50	90 x 100 mm	A160

RPW090

RUBBER PNEUMATIC WHEEL

€ 89,90



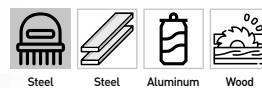
Dimensions	90 x 90 mm
Hole	19.1 mm
rpm max	6000

SWS100

BRASS STEEL WIRE WHEELS

€ 82,10

For deburring, stripping, removing rust and calamine and rusticating wood.

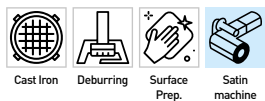


Dimensions	100 x 100 mm
Hole	19.1 mm
Wire	0.3 mm
rpm max	6800

SWS100/M € 94,80

BRASS STEEL WIRE WHEELS

Suitable for Makita machines, for deburring, stripping, removing rust and calamine and rustivating wood

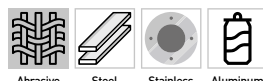


Dimensions	100 x 100 mm
Hole	13 mm
Wire	0.3 mm
rpm max	6800

NWS100 € 142,00

ABRASIVE NYLON WIRE WHEELS

For cleaning metals and rustivating wood.



Dimensions	100 x 100 mm
Hole	19.1 mm
Grit	80
rpm max	6800

NWS100/M € 152,00

ABRASIVE NYLON WIRE WHEELS

Suitable for Makita machines, for cleaning metals and rustivating wood



Dimensions	100 x 100 mm
Hole	13 mm
Grit	80
rpm max	6800

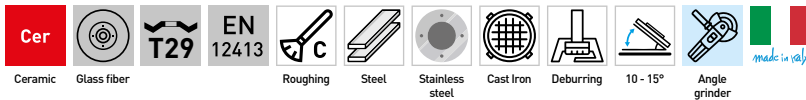




FDCX

VIPER SEMI FLEXIBLE FIBER DISC

Innovative semi flexible depressed center fiberdisc with built-in backing pad for a more precise, faster and comfortable grinding of welding seams, sharp edges, flat and curved surfaces.

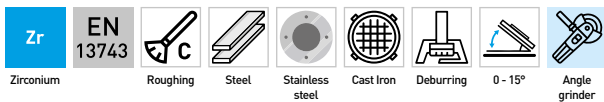


Art.	€	Dimensions	Hardness	rpm max	Pack
FDC115/036	€ 4,56	115x22,23 mm	SG 36	13300	25
FDC115/060	€ 4,56	115x22,23 mm	SG 60	13300	25
FDC115/120	€ 4,56	115x22,23 mm	SG 120	13300	25
FDC125/036	€ 4,72	125x22,23 mm	SG 36	12250	25

DFVX-XZ

VULCANISED FIBRE DISCS

Fiber discs are constituted by a vulcanised cellulose fiber support of 0,8 mm. thickness. various types of abrasive are deposited on it. these are fastened with a double layer of thermosetting resin added with active fillers which give the products cooling and anti-clogging properties. applied to a backing pad as support, the discs are used on portable sander.



Art.	€	Dimensions	Grit	rpm max	Pack
DFV115/036Z	€ 0,83	115 x 22 mm	36	13300	25
DFV115/040Z	€ 0,74	115 x 22 mm	40	13300	25
DFV115/060Z	€ 0,68	115 x 22 mm	60	13300	25
DFV115/080Z	€ 0,63	115 x 22 mm	80	13300	25
DFV115/120Z	€ 0,55	115 x 22 mm	120	13300	25
DFV180/036Z	€ 1,87	180 x 22 mm	36	8600	25
DFV180/040Z	€ 1,67	180 x 22 mm	40	8600	25
DFV180/060Z	€ 1,43	180 x 22 mm	60	8600	25
DFV180/080Z	€ 1,38	180 x 22 mm	80	8600	25
DFV180/120Z	€ 1,22	180 x 22 mm	120	8600	25



DFVX-XA

VULCANISED FIBRE DISCS

Fiber discs are constituted by a vulcanised cellulose fiber support of 0,8 mm. thickness. various types of abrasive are deposited on it. these are fastened with a double layer of thermosetting resin added with active fillers which give the products cooling and anti-clogging properties. applied to a backing pad as support, the discs are used on portable sander.



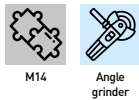
Art.	€	Dimensions	Grit	rpm max	Pack
DFV115/024A	€ 0,59	115 x 22 mm	24	13300	25
DFV115/036A	€ 0,63	115 x 22 mm	36	13300	25
DFV115/060A	€ 0,59	115 x 22 mm	60	13300	25
DFV115/080A	€ 0,48	115 x 22 mm	80	13300	25
DFV115/120A	€ 0,48	115 x 22 mm	120	13300	25
DFV180/024A	€ 1,32	180 x 22 mm	24	8600	25
DFV180/036A	€ 1,28	180 x 22 mm	36	8600	25
DFV180/060A	€ 1,19	180 x 22 mm	60	8600	25
DFV180/080A	€ 1,13	180 x 22 mm	80	8600	25



PFBX

BACKING PADS

Standard backing pad for fibre discs, professional, hard.

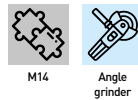


Art.	€	Diameter ø	Thread	rpm max
PFB115	€ 5,10	115 mm	M14	13300
PFB180	€ 8,80	180 mm	M14	8500

PFSX

BACKING PADS

For fiber discs. with cooling ribs for rough and cooling grinding, very hard.

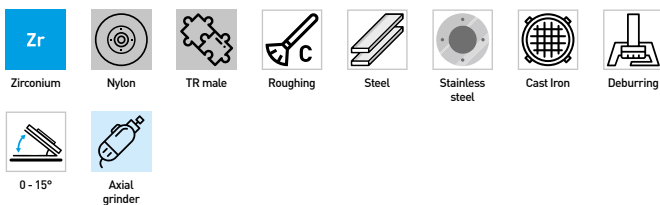


Art.	€	Diameter ø	Thread	rpm max
PFS115	€ 9,80	115 mm	M14	13300
PFS180	€ 17,60	180 mm	M14	8500

MDAXZT

FAST LOCK ZIRCONIA TOP SIZE

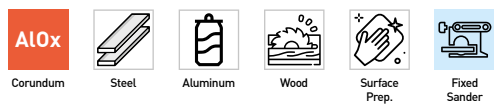
Fast lock. long life, deburring and blending small areas, grinding edges.



Art.	€	Diameter ø	Grit	rpm max	Pack
MDA050/036ZT	€ 0,77	50 mm	36	25000	25
MDA050/060ZT	€ 0,76	50 mm	60	25000	25
MDA050/080ZT	€ 0,76	50 mm	80	25000	25
MDA050/120ZT	€ 0,76	50 mm	120	25000	25
MDA075/036ZT	€ 1,28	75 mm	36	20000	25
MDA075/060ZT	€ 1,21	75 mm	60	20000	25
MDA075/080ZT	€ 1,21	75 mm	80	20000	25
MDA075/120ZT	€ 1,21	75 mm	120	20000	25

D17X

ADHESIVE ABRASIVE DISCS



Art.	€	Sizes	Grit	Pack
D174	€ 1,34	150 mm	60	10
D175	€ 1,34	150 mm	100	10
D178/060	€ 1,34	200 mm	60	10
D178/100	€ 1,34	200 mm	100	10
D176	€ 2,26	226 mm	60	10
D177	€ 2,26	226 mm	100	10



VDAX

VELCRO DISCS

Corundum resin coated on heavy paper (weight F), closed coat

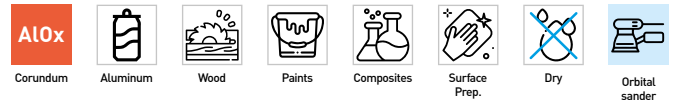


Art.	€	Diameter ø	Holes	Grit	Pack
VDA115/040	€ 0,30	115 mm	-	40	50
VDA115/060	€ 0,30	115 mm	-	60	100
VDA115/080	€ 0,30	115 mm	-	80	100
VDA115/100	€ 0,30	115 mm	-	100	100
VDA115/120	€ 0,30	115 mm	-	120	100
VDA115/180	€ 0,30	115 mm	-	180	100
VDA115/220	€ 0,30	115 mm	-	220	100
VDA125/40F8	€ 0,37	125 mm	8	40	50
VDA125/60F8	€ 0,34	125 mm	8	60	100
VDA125/80F8	€ 0,34	125 mm	8	80	100
VDA125/100F8	€ 0,34	125 mm	8	100	100
VDA125/120F8	€ 0,34	125 mm	8	120	100
VDA125/180F8	€ 0,34	125 mm	8	180	100
VDA125/220F8	€ 0,34	125 mm	8	220	100
VDA150/040	€ 0,47	150 mm	-	40	50
VDA150/060	€ 0,43	150 mm	-	60	100
VDA150/080	€ 0,43	150 mm	-	80	100
VDA150/100	€ 0,43	150 mm	-	100	100
VDA150/120	€ 0,43	150 mm	-	120	100
VDA150/180	€ 0,43	150 mm	-	180	100
VDA150/220	€ 0,43	150 mm	-	220	100
VDA150/040F6	€ 0,47	150 mm	6	40	50
VDA150/060F6	€ 0,43	150 mm	6	60	100
VDA150/080F6	€ 0,43	150 mm	6	80	100
VDA150/100F6	€ 0,43	150 mm	6	100	100
VDA150/120F6	€ 0,43	150 mm	6	120	100
VDA150/180F6	€ 0,43	150 mm	6	180	100
VDA150/220F6	€ 0,43	150 mm	6	220	100

VDGX

VELCRO DISCS "GOLD"

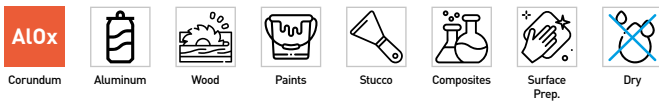
Double resin corundum stearate on light paper (weight C), semi-open coating. The addition of zinc stearate prevents clogging.



Art.	€	Diameter	Grit	Holes	Pack
VDG150/060	€ 0,45	ø 150 mm	60	-	100
VDG150/080	€ 0,43	ø 150 mm	80	-	100
VDG150/120	€ 0,43	ø 150 mm	120	-	100
VDG150/150	€ 0,43	ø 150 mm	150	-	100
VDG150/180	€ 0,43	ø 150 mm	180	-	100
VDG150/220	€ 0,43	ø 150 mm	220	-	100
VDG150/320	€ 0,43	ø 150 mm	320	-	100
VDG150/400	€ 0,43	ø 150 mm	400	-	100
VDG150/600	€ 0,43	ø 150 mm	600	-	100
VDG150/800	€ 0,43	ø 150 mm	800	-	100
VDG150/060F6	€ 0,45	ø 150 mm	60	6	100
VDG150/080F6	€ 0,43	ø 150 mm	80	6	100
VDG150/120F6	€ 0,43	ø 150 mm	120	6	100
VDG150/150F6	€ 0,43	ø 150 mm	150	6	100
VDG150/180F6	€ 0,43	ø 150 mm	180	6	100
VDG150/220F6	€ 0,43	ø 150 mm	220	6	100
VDG150/320F6	€ 0,43	ø 150 mm	320	6	100
VDG150/400F6	€ 0,43	ø 150 mm	400	6	100
VDG150/600F6	€ 0,43	ø 150 mm	600	6	100
VDG150/800F6	€ 0,43	ø 150 mm	800	6	100
VDG150/060F8	€ 0,45	ø 150 mm	60	8	100
VDG150/080F8	€ 0,43	ø 150 mm	80	8	100
VDG150/120F8	€ 0,43	ø 150 mm	120	8	100
VDG150/150F8	€ 0,43	ø 150 mm	150	8	100
VDG150/180F8	€ 0,43	ø 150 mm	180	8	100
VDG150/220F8	€ 0,43	ø 150 mm	220	8	100
VDG150/320F8	€ 0,43	ø 150 mm	320	8	100
VDG150/400F8	€ 0,43	ø 150 mm	400	8	100
VDG150/600F8	€ 0,43	ø 150 mm	600	8	100
VDG150/800F8	€ 0,43	ø 150 mm	800	8	100

ZSAX
VELCRO DISCS

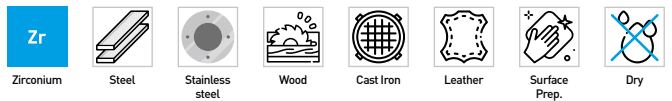
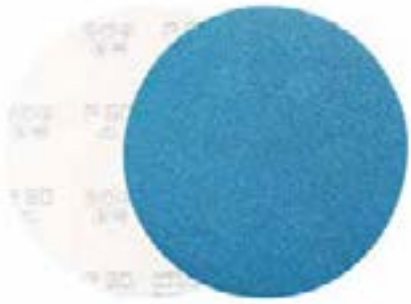
Double resin corundum stearate on light paper (C weight), closed coat. The addition of zinc stearate prevents clogging.



Art.	€	Diameter ø	Holes	Grit	Pack
ZSA150/080	€ 0,43	150 mm	-	80	100
ZSA150/120	€ 0,39	150 mm	-	120	100
ZSA150/180	€ 0,39	150 mm	-	180	100
ZSA150/240	€ 0,39	150 mm	-	240	100
ZSA150/320	€ 0,39	150 mm	-	320	100
ZSA150/400	€ 0,39	150 mm	-	400	100
ZSA150/80F6	€ 0,43	150 mm	6	80	100
ZSA150/120F6	€ 0,39	150 mm	6	120	100
ZSA150/180F6	€ 0,39	150 mm	6	180	100
ZSA150/240F6	€ 0,39	150 mm	6	240	100
ZSA150/320F6	€ 0,39	150 mm	6	320	100
ZSA150/400F6	€ 0,39	150 mm	6	400	100

VDZX
VELCRO DISCS

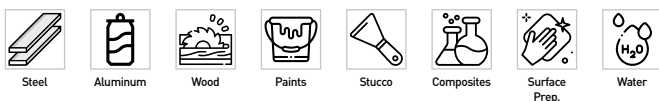
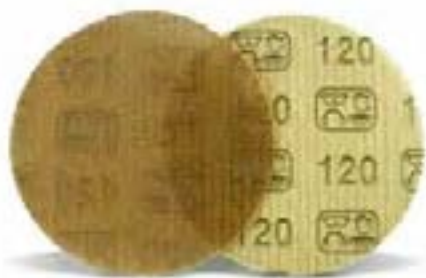
Zirconium resin on heavy paper (weight F), closed coating. Top quality, very aggressive and long lasting, the backing resists the higher stresses and speeds of paper discs.



Art.	€	Diameter ø	Grit	Pack
VDZ115/040	€ 0,65	115 mm	40	50
VDZ115/060	€ 0,63	115 mm	60	100
VDZ115/080	€ 0,58	115 mm	80	100
VDZ115/120	€ 0,54	115 mm	120	100
VDZ125/040	€ 0,78	125 mm	40	100
VDZ125/060	€ 0,67	125 mm	60	100
VDZ125/080	€ 0,65	125 mm	80	100
VDZ125/120	€ 0,58	125 mm	120	100
VDZ150/040	€ 1,03	150 mm	40	50
VDZ150/060	€ 0,87	150 mm	60	100
VDZ150/080	€ 0,82	150 mm	80	100
VDZ150/120	€ 0,78	150 mm	120	100

VDRX
VELCRO SANDING SCREEN

Support made of mesh allows you to vacuum up to 90% of the dust generated by abrasion, resists heat making them usable even with angle grinders, usable dry and wet. Longer service life and healthier working environment thanks to the suction of residues.



Art.	€	Diameter ø	Grit	Pack
VDR150/080	€ 0,82	150 mm	80	50
VDR150/120	€ 0,82	150 mm	120	50
VDR150/180	€ 0,82	150 mm	180	50
VDR150/240	€ 0,82	150 mm	240	50
VDR150/320	€ 0,82	150 mm	320	50
VDR150/400	€ 0,82	150 mm	400	50
VDR150/600	€ 0,82	150 mm	600	50

PDBX
BACKING PADS WITHOUT FOAM

For velcro discs



Art.	€	Diameter ø	Thread	rpm max
PDB115/M14	€ 9,20	115 mm	M14	13300
PDB125/M14	€ 10,50	125 mm	M14	12200
PDB150/M14	€ 14,10	150 mm	M14	10000

PDMX
BACKING PADS WITH FOAM

Professional version, for velcro discs, to adapt better to the workpiece to be worked.



Art.	€	Diameter ø	Thickness	Thread	rpm max
PDM115/12M14	€ 16,40	115 mm	12 mm	M14	13300
PDM125/12M14	€ 18,70	125 mm	12 mm	M14	12200
PDM150/12M14	€ 21,30	150 mm	12 mm	M14	10000



PMEX

BACKING PADS WITH FOAM

For velcro discs, to adapt better to the workpiece.



Art.	€	Diameter ø	Thickness	Thread	rpm max
PME125/18M14	€ 5,10	125 mm	18 mm	M14	6800
PME150/12M14	€ 7,20	150 mm	12 mm	M14	10000

PPSX

POLYURETHANE BACKING PADS

For velcro discs, soft version.

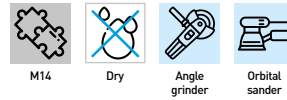


Art.	€	Diameter ø	Thickness	Thread	rpm max
PPS125/27M14	€ 20,10	125 mm	27 mm	M14	8000
PPS150/29M14	€ 21,60	150 mm	29 mm	M14	7000

PDVX-M14

BACKING PAD WITH VENTILATION

For velcro discs, the grooves improve heat dispersion, increasing the life of the abrasive and preventing overheating of the work piece.



Art.	€	Diameter ø	Thread
PDV115/M14	€ 31,20	115 mm	M14
PDV125/M14	€ 32,00	125 mm	M14
PDV150/M14	€ 35,20	150 mm	M14

0459

€ 7,10

HOOK AND LOOP PAD

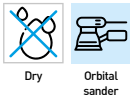
With 6 holes and 5/16"–24tpi male thread.



Disc diameter	150 mm – 6"
Max speed	12000 rpm

PFLX

BACKING PADS FOR ORBITAL SANDERS



Art.	€	Diameter ø	Thickness	Shank	Holes	rpm max
PFL125/10F8	€ 14,70	125 mm	10 mm	5/16" mm	8	12000
PFL150/10	€ 17,10	150 mm	10 mm	5/16" mm	-	10000
PFL150/10F6	€ 18,40	150 mm	10 mm	5/16" mm	6	10000

TEV120

€ 9,80

BLOCK FOR VELCRO DISCS

Ergonomic shape, quick change of the abrasive sheet.



Size	70 x 120 mm
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TDV

€ 17,90

BLOCK FOR VELCRO DISCS

Allows you to use velcro discs by hand.

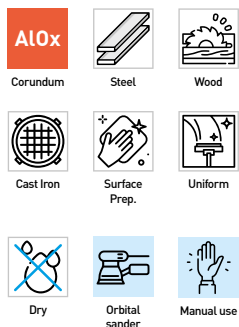


Size	150 mm
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RASX

ANTI WASTE ROLLS

Extra flexible double resin canvas. Specific for turning, molds, weapons and for all processes that require a highly flexible and long-lasting canvas

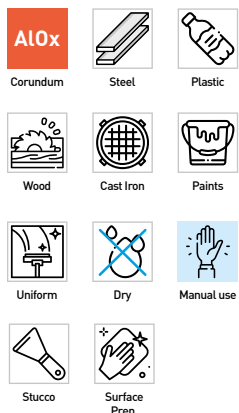


Art.	€	Dimensions	Grit
RAS40	€ 26,90	50 mm x 25 m	40
RAS60	€ 24,20	50 mm x 25 m	60
RAS80	€ 23,00	50 mm x 25 m	80
RAS120	€ 20,10	50 mm x 25 m	120
RAS180	€ 20,10	50 mm x 25 m	180
RAS220	€ 20,10	50 mm x 25 m	220
RAS320	€ 20,10	50 mm x 25 m	320
RAS400	€ 20,10	50 mm x 25 m	400

RSSX

ANTI-WASTE SPONGE ROLLS

Corundum self-lubricating C weight paper coupled with sponge.



Art.	€	Dimensions	Grit
RSS150	€ 67,20	115 mm x 25 m	150
RSS180	€ 67,20	115 mm x 25 m	180
RSS240	€ 67,20	115 mm x 25 m	240
RSS320	€ 67,20	115 mm x 25 m	320
RSS400	€ 67,20	115 mm x 25 m	400
RSS500	€ 67,20	115 mm x 25 m	500
RSS600	€ 67,20	115 mm x 25 m	600
RSS800	€ 67,20	115 mm x 25 m	800
RSS1000	€ 67,20	115 mm x 25 m	1000

RSRX

VELCRO PAPER ROLLS

Antistatic corundum paper, semi-open coating, E weight. Dry use, suitable for working wood, leather, stucco and metal.

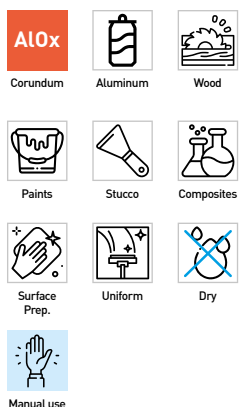


Art.	€	Dimensions	Grit
RSR115/050/040	€ 61,40	115 x 25 m	40
RSR115/050/060	€ 53,10	115 x 25 m	60
RSR115/050/080	€ 49,20	115 x 25 m	80
RSR115/050/120	€ 48,10	115 x 25 m	120

RSAX

LUBRICANT VELCRO PAPER ROLLS

Corundum stearate on light paper (C weight), semi-open coating, dry use



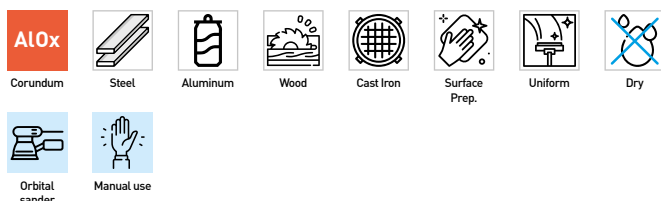
Art.	€	Dimensions	Grit
RSA115/25/080	€ 47,30	115 mm x 25 m	80
RSA115/25/120	€ 47,30	115 mm x 25 m	120
RSA115/25/150	€ 47,30	115 mm x 25 m	150
RSA115/25/180	€ 47,30	115 mm x 25 m	180
RSA115/25/220	€ 47,30	115 mm x 25 m	220
RSA115/25/320	€ 47,30	115 mm x 25 m	320



FTRX

FLEXIBLE CLOTH

Flexible canvas with cotton backing

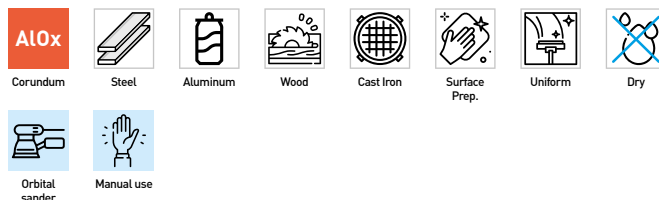


Art.	€	Dimensions	Grit	Pack
FTR230/040	€ 1,35	230 x 280 mm	40	50
FTR230/060	€ 1,21	230 x 280 mm	60	50
FTR230/080	€ 1,11	230 x 280 mm	80	50
FTR230/120	€ 0,98	230 x 280 mm	120	50
FTR230/180	€ 0,98	230 x 280 mm	180	50
FTR230/220	€ 0,98	230 x 280 mm	220	50
FTR230/320	€ 0,98	230 x 280 mm	320	50
FTR230/400	€ 0,98	230 x 280 mm	400	50
FTR230/600	€ 1,11	230 x 280 mm	600	50

RTFX

RESIN CLOTH ROLLS

Very flexible and resistant. Suitable for working both flat and shaped surfaces.



Art.	€	Dimensions	Grit	Pack
RTF120/005/040	€ 7,20	115 mm x 5 m	40	10
RTF120/005/060	€ 7,20	115 mm x 5 m	60	10
RTF120/005/080	€ 7,20	115 mm x 5 m	80	10
RTF120/005/100	€ 7,20	115 mm x 5 m	100	10
RTF120/005/120	€ 7,20	115 mm x 5 m	120	10
RTF120/050/040	€ 59,00	115 mm x 50 m	40	10
RTF120/050/060	€ 59,00	115 mm x 50 m	60	10
RTF120/050/080	€ 59,00	115 mm x 50 m	80	10
RTF120/050/100	€ 59,00	115 mm x 50 m	100	10
RTF120/050/120	€ 59,00	115 mm x 50 m	120	10

RCLX

LATEX WATERPROOF ROLLS

For wet and dry sanding, usually used in polishing and sanding metal moulds, carbon fiber workpieces, fiber glass, composite materials, and precision instruments.

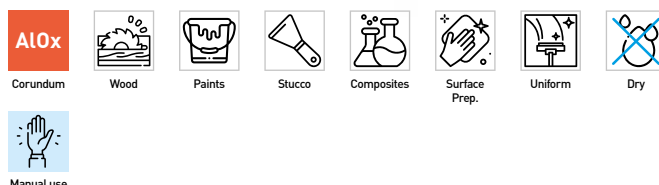


Art.	€	Dimensions	Grit
RCL115/100/080	€ 117,00	115 mm x 100 m	80
RCL115/100/100	€ 117,00	115 mm x 100 m	100
RCL115/100/120	€ 117,00	115 mm x 100 m	120
RCL115/100/150	€ 117,00	115 mm x 100 m	150
RCL115/100/180	€ 117,00	115 mm x 100 m	180

RCSX

STEARATE ROLLS

Stearate rolls, prevent clogging and static, flexible and high wear resistant, ideal for paint sanding. The addition of zinc stearate prevents clogging.



Art.	€	Dimensions	Grit
RCS115/050/150	€ 64,10	115 mm x 50 m	150
RCS115/050/180	€ 64,10	115 mm x 50 m	180
RCS115/050/240	€ 64,10	115 mm x 50 m	240
RCS115/050/320	€ 64,10	115 mm x 50 m	320
RCS115/050/400	€ 64,10	115 mm x 50 m	400
RCS115/050/600	€ 64,10	115 mm x 50 m	600

FLIX

LATEX WATERPROOF SHEETS

Wet and dry sanding, usually used in polishing and sanding paints, precision instrument, metal, composite materials, automobile production and repair, electron.



SPIXZ

REINFORCED ABRASIVE SPIRABANDS

Created with strips of abrasive cloth, wrapped and glued on a cotton support, ideal for grinding aluminum or steel. To be used with the relative rubber sleeve holders. To reach parts that are difficult to access or to maintain the radii.



SiC
Silicon carbide

Finishing F Steel Aluminum Plastic Paints Composites Uniform

Water Dry Axial grinder Manual use

Zr
Zirconium

Finishing F Steel Stainless steel Aluminum Uniform Dry Axial grinder

Art.	€	Dimensions	Grit	Pack
FLI230/240	€ 0,60	230 x 280 mm	240	100
FLI230/320	€ 0,60	230 x 280 mm	320	100
FLI230/400	€ 0,60	230 x 280 mm	400	100
FLI230/600	€ 0,60	230 x 280 mm	600	100
FLI230/800	€ 0,60	230 x 280 mm	800	100
FLI230/1000	€ 0,60	230 x 280 mm	1000	100
FLI230/1200	€ 0,60	230 x 280 mm	1200	100

Art.	€	Dimensions	Grit	rpm max	Pack
SPI1020/040Z	€ 0,31	10 x 20 mm	40	36000	100
SPI1020/060Z	€ 0,30	10 x 20 mm	60	36000	100
SPI1020/080Z	€ 0,30	10 x 20 mm	80	36000	100
SPI1020/120Z	€ 0,30	10 x 20 mm	120	36000	100
SPI1530/040Z	€ 0,43	15 x 30 mm	40	26000	100
SPI1530/060Z	€ 0,41	15 x 30 mm	60	26000	100
SPI1530/080Z	€ 0,41	15 x 30 mm	80	26000	100
SPI1530/120Z	€ 0,41	15 x 30 mm	120	26000	100
SPI2030/040Z	€ 0,51	20 x 30 mm	40	18000	100
SPI2030/060Z	€ 0,48	20 x 30 mm	60	18000	100
SPI2030/080Z	€ 0,48	20 x 30 mm	80	18000	100
SPI2030/120Z	€ 0,48	20 x 30 mm	120	18000	100
SPI2220/040Z	€ 0,41	22 x 20 mm	40	17000	100
SPI2220/060Z	€ 0,41	22 x 20 mm	60	17000	100
SPI2220/080Z	€ 0,41	22 x 20 mm	80	17000	100
SPI2220/120Z	€ 0,41	22 x 20 mm	120	17000	100
SPI2525/040Z	€ 0,55	25 x 25 mm	40	15000	100
SPI2525/060Z	€ 0,51	25 x 25 mm	60	15000	100
SPI2525/080Z	€ 0,51	25 x 25 mm	80	15000	100
SPI2525/120Z	€ 0,51	25 x 25 mm	120	15000	100
SPI3030/040Z	€ 0,60	30 x 30 mm	40	13000	100
SPI3030/060Z	€ 0,59	30 x 30 mm	60	13000	100
SPI3030/080Z	€ 0,59	30 x 30 mm	80	13000	100
SPI3030/120Z	€ 0,59	30 x 30 mm	120	13000	100
SPI4530/040Z	€ 0,82	45 x 30 mm	40	8500	100
SPI4530/060Z	€ 0,74	45 x 30 mm	60	8500	100
SPI4530/080Z	€ 0,74	45 x 30 mm	80	8500	100
SPI4530/120Z	€ 0,74	45 x 30 mm	120	8500	100



SGCX

RUBBER HOLDERS

Expansion rubber holders, used to fix spirabands.



Axial grinder

Art.	€	Dimensions	Shank	rpm max
SGC1020	€ 6,60	10 x 20 mm	6 mm	36000
SGC1530	€ 6,00	15 x 30 mm	6 mm	26000
SGC2030	€ 8,40	20 x 30 mm	6 mm	18000
SGC2220	€ 6,20	22 x 20 mm	6 mm	17000
SGC2525	€ 8,40	25 x 25 mm	6 mm	15000
SGC3030	€ 8,60	30 x 30 mm	6 mm	13300
SGC4530	€ 10,40	45 x 30 mm	6 mm	8500

CRDXT

CARTRIDGE ROLLS

Small size tools, for grinding operations of points difficult to reach. Can also work at peak. The rolled-up construction gives the tool a longer service life than normal cylindrical spiral bands. Universal use on steel, non-ferrous metals and plastic.



Axial grinder

Art.	€	Dimensions	Grit	Shape	Pack
CRD1038/060T	€ 0,77	10 x 38 mm	60	Conical	50
CRD1038/080T	€ 0,77	10 x 38 mm	80	Conical	50
CRD1038/120T	€ 0,77	10 x 38 mm	120	Conical	50
CRD1238/060T	€ 0,93	12 x 38 mm	60	Conical	50
CRD1238/080T	€ 0,93	12 x 38 mm	80	Conical	50
CRD1238/120T	€ 0,93	12 x 38 mm	120	Conical	50

CRDXC

CARTRIDGE ROLLS

Small size tools, for grinding operations of points difficult to reach. Can also work at peak. The rolled-up construction gives the tool a longer service life than normal cylindrical spiral bands. Universal use on steel, non-ferrous metals and plastic.



Art.	€	Dimensions	Grit	Shape	Pack
CRD0638/060C	€ 0,51	6 x 38 mm	60	Cylindrical	50
CRD0638/080C	€ 0,51	6 x 38 mm	80	Cylindrical	50
CRD0638/120C	€ 0,51	6 x 38 mm	120	Cylindrical	50
CRD1038/040C	€ 0,68	10 x 38 mm	40	Cylindrical	50
CRD1038/060C	€ 0,68	10 x 38 mm	60	Cylindrical	50
CRD1038/080C	€ 0,68	10 x 38 mm	80	Cylindrical	50
CRD1038/120C	€ 0,68	10 x 38 mm	120	Cylindrical	50

PCR6338

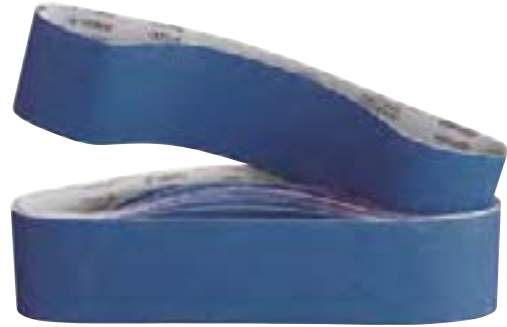
€ 8,50

PIN FOR CARTRIDGE ROLLS



Axial grinder

NTXA
ABRASIVE BELTS

NTXZ
ABRASIVE BELTS


Art.	€	Dimensions	Grit	Pack
NT0440/035/040A	€ 1,79	440 x 35 mm	40	10
NT0440/035/060A	€ 1,79	440 x 35 mm	60	10
NT0440/035/080A	€ 1,79	440 x 35 mm	80	10
NT0440/035/120A	€ 1,79	440 x 35 mm	120	10
NT0533/075/040A	€ 3,40	533 x 75 mm	40	10
NT0533/075/060A	€ 3,40	533 x 75 mm	60	10
NT0533/075/080A	€ 3,40	533 x 75 mm	80	10
NT0533/075/120A	€ 3,40	533 x 75 mm	120	10
NT0686/050/040A	€ 5,00	686 x 50 mm	40	10
NT0686/050/060A	€ 5,00	686 x 50 mm	60	10
NT0686/050/080A	€ 5,00	686 x 50 mm	80	10
NT0686/050/100A	€ 5,00	686 x 50 mm	100	10
NT0686/050/120A	€ 5,00	686 x 50 mm	120	10
NT0914/100/040A	€ 7,00	914 x 100 mm	40	10
NT0914/100/060A	€ 7,00	914 x 100 mm	60	10
NT0914/100/080A	€ 7,00	914 x 100 mm	80	10
NT0914/100/100A	€ 7,00	914 x 100 mm	100	10
NT0914/100/120A	€ 7,00	914 x 100 mm	120	10
NT1000/100/040A	€ 7,20	1000 x 100 mm	40	10
NT1000/100/060A	€ 7,20	1000 x 100 mm	60	10
NT1000/100/080A	€ 7,20	1000 x 100 mm	80	10
NT1000/100/120A	€ 7,20	1000 x 100 mm	120	10
NT1075/025/040A	€ 4,39	1075 x 25 mm	40	10
NT1075/025/060A	€ 4,39	1075 x 25 mm	60	10
NT1075/025/080A	€ 4,39	1075 x 25 mm	80	10
NT1075/025/100A	€ 4,39	1075 x 25 mm	100	10
NT1075/025/120A	€ 4,39	1075 x 25 mm	120	10
NT1219/152/040A	€ 7,90	1219 x 152 mm	40	10
NT1219/152/060A	€ 7,90	1219 x 152 mm	60	10
NT1219/152/080A	€ 7,90	1219 x 152 mm	80	10
NT1219/152/100A	€ 7,90	1219 x 152 mm	100	10
NT1219/152/120A	€ 7,90	1219 x 152 mm	120	10
NT1500/120/040A	€ 6,70	1500 x 120 mm	40	10
NT1500/120/060A	€ 6,70	1500 x 120 mm	60	10
NT1500/120/080A	€ 6,70	1500 x 120 mm	80	10
NT1500/120/120A	€ 6,70	1500 x 120 mm	120	10
NT1750/150/040A	€ 9,80	1750 x 150 mm	40	10
NT1750/150/060A	€ 9,80	1750 x 150 mm	60	10
NT1750/150/080A	€ 9,80	1750 x 150 mm	80	10
NT1750/150/120A	€ 9,80	1750 x 150 mm	120	10



Art.	€	Dimensions	Grit	Pack
NT0330/010/040Z	€ 0,76	330 x 10 mm	40	10
NT0330/010/060Z	€ 0,66	330 x 10 mm	60	10
NT0330/010/080Z	€ 0,66	330 x 10 mm	80	10
NT0330/010/120Z	€ 0,66	330 x 10 mm	120	10
NT520/020/040Z	€ 1,02	520 x 20 mm	40	10
NT520/020/060Z	€ 0,87	520 x 20 mm	60	10
NT520/020/080Z	€ 0,77	520 x 20 mm	80	10
NT520/020/120Z	€ 0,68	520 x 20 mm	120	10
NT0610/100/040Z	€ 3,83	610 x 100 mm	40	10
NT0610/100/060Z	€ 3,37	610 x 100 mm	60	10
NT0610/100/080Z	€ 3,19	610 x 100 mm	80	10
NT0610/100/120Z	€ 3,13	610 x 100 mm	120	10
NT0760/040/040Z	€ 2,07	760 x 40 mm	40	10
NT0760/040/060Z	€ 1,79	760 x 40 mm	60	10
NT0760/040/080Z	€ 1,79	760 x 40 mm	80	10
NT0760/040/120Z	€ 1,79	760 x 40 mm	120	10
NT0914/100/040Z	€ 5,00	914 x 100 mm	40	10
NT0914/100/060Z	€ 4,81	914 x 100 mm	60	10
NT0914/100/080Z	€ 4,81	914 x 100 mm	80	10
NT0914/100/120Z	€ 4,81	914 x 100 mm	120	10
NT1000/100/040Z	€ 4,90	1000 x 100 mm	40	10
NT1000/100/060Z	€ 4,15	1000 x 100 mm	60	10
NT1000/100/080Z	€ 4,15	1000 x 100 mm	80	10
NT1000/100/120Z	€ 4,05	1000 x 100 mm	120	10
NT1219/152/040Z	€ 10,40	1219 x 152 mm	40	10
NT1219/152/060Z	€ 8,50	1219 x 152 mm	60	10
NT1219/152/080Z	€ 8,50	1219 x 152 mm	80	10
NT1219/152/120Z	€ 8,50	1219 x 152 mm	120	10
NT1500/120/040Z	€ 8,30	1500 x 120 mm	40	10
NT1500/120/060Z	€ 7,00	1500 x 120 mm	60	10
NT1500/120/080Z	€ 7,00	1500 x 120 mm	80	10
NT1500/120/120Z	€ 7,00	1500 x 120 mm	120	10
NT1750/150/040Z	€ 8,50	1750 x 150 mm	40	10
NT1750/150/060Z	€ 7,70	1750 x 150 mm	60	10
NT1750/150/080Z	€ 7,70	1750 x 150 mm	80	10
NT1750/150/120Z	€ 7,70	1750 x 150 mm	120	10
NT2000/050/040Z	€ 4,72	2000 x 50 mm	40	10
NT2000/050/060Z	€ 3,77	2000 x 50 mm	60	10
NT2000/050/080Z	€ 3,77	2000 x 50 mm	80	10
NT2000/050/120Z	€ 3,77	2000 x 50 mm	120	10
NT2000/150/040Z	€ 15,10	2000 x 150 mm	40	10
NT2000/150/060Z	€ 13,20	2000 x 150 mm	60	10
NT2000/150/080Z	€ 13,20	2000 x 150 mm	80	10
NT2000/150/120Z	€ 13,20	2000 x 150 mm	120	10

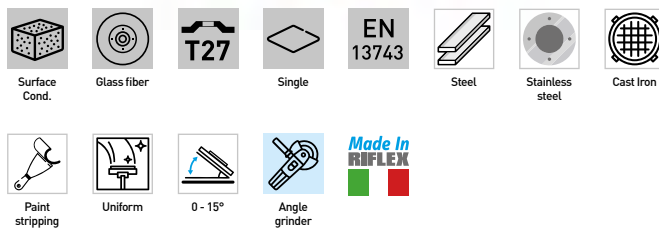


SURFACE CONDITIONING

SCDX

SURFACE CONDITIONING FLAP DISCS

Fast and steady finish without clogging, cooler cut. increased lifetime compared to standard surface conditioning discs



Art.	€	Dimensions	Grit	rpm max	Pack
SCD115/C	€ 6,50	Ø 115 x 22 mm	Coarse	13300	10
SCD115/M	€ 6,50	Ø 115 x 22 mm	Medium	13300	10
SCD115/VF	€ 6,50	Ø 115 x 22 mm	Very Fine	13300	10
SCD125/C	€ 8,00	Ø 125 x 22 mm	Coarse	12200	10
SCD125/M	€ 8,00	Ø 125 x 22 mm	Medium	12200	10
SCD125/VF	€ 8,00	Ø 125 x 22 mm	Very Fine	12200	10

SPA115/M14

€ 19,90

BACKING PAD

For surface conditioning discs.

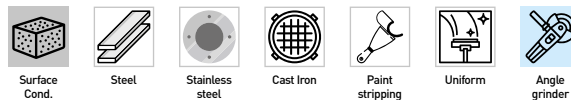


Diameter Ø	115 mm
Thread	M14
rpm max	13300

VSCX

SURFACE CONDITIONING DISCS

Surface preparation for painting, to repair defects with an uniform satin finish. removes oxidation, scratches, varnishes, welding marks.

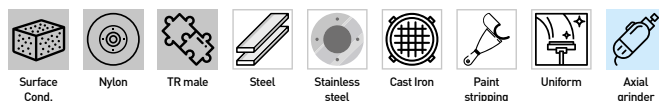


Art.	€	Diameter Ø	Grit	rpm max	Pack
VSC115/080C	€ 3,80	115 mm	Coarse (80)	5100	10
VSC115/120M	€ 3,80	115 mm	Medium (120)	5100	10
VSC115/240VF	€ 3,80	115 mm	Very Fine (240)	5100	10

MSCX

FAST LOCK SURFACE CONDITIONING

Removes oxidation, scratches, varnishes, welding marks.



Art.	€	Diameter Ø	Grit	rpm max	Pack
MSC050/C	€ 1,96	50 mm	Coarse	25000	10
MSC050/M	€ 1,96	50 mm	Medium	25000	10
MSC050/VF	€ 1,87	50 mm	Very Fine	25000	10
MSC075/C	€ 2,49	75 mm	Coarse	20000	25
MSC075/M	€ 2,49	75 mm	Medium	20000	25
MSC075/VF	€ 2,49	75 mm	Very Fine	20000	25

PARX

NON WOVEN ROLLS

Non-woven synthetic fiber compounds, combined with abrasive grain particles via resin. Resistant to water and lubricants, suitable for satin finishing, sanding, removing paint residues or scratches, used in different sectors: metal, wood, paints, plastics, ceramics



FPA120-

NON WOVEN SHEETS

Non-woven synthetic fiber compounds, combined with abrasive grain particles via resin. Resistant to water and lubricants, suitable for satin finishing, sanding, removing paint residues or scratches, used in different sectors: metal, wood, paints, plastics, ceramics



Art.	€	Dimensions	Grit
PAR115/120AM	€ 41,10	115 mm x 10 m	A.Medium (120)
PAR115/180AF	€ 41,10	115 mm x 10 m	A.Fine (180)
PAR115/320AVF	€ 41,10	115 mm x 10 m	A.Very Fine (320)
PAR115/600AUF	€ 41,10	115 mm x 10 m	A.Ultra Fine (600)



Art.	€	Dimensions	Grit	Pack
FPA120/M	€ 1,68	115 x 280 mm	A.Medium (120)	10
FPA120/F	€ 1,68	115 x 280 mm	A.Fine (180)	10
FPA120/VF	€ 1,68	115 x 280 mm	A.Very Fine (320)	10
FPA120/UF	€ 1,68	115 x 280 mm	S.Ultra Fine (600)	10

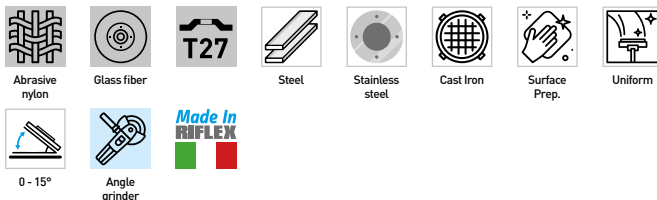




CLEAN STRIP

CSCD-

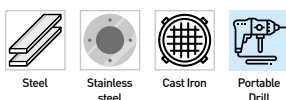
ABRASIVE NYLON DISCS



Art.	€	Dimensions	rpm max	Pack
CSCD/F115	€ 6,20	115 x 22 mm	11000	5
CSCD/F180	€ 9,00	180 x 22 mm	7000	5
CSCD/F115HD	€ 6,80	115 x 22 mm	11000	5

ADF-

FASTENING SHAFT

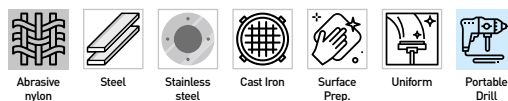


Art.	€	Dimensions	Type	Pack
ADF/01	€ 1,96	10 x 6 mm	25	10
ADF/02	€ 2,05	12,8 x 8 mm	24	10

CSDS-

FLAT DISCS WITH HOLE FOR DRILL

Flat discs with hole for drill

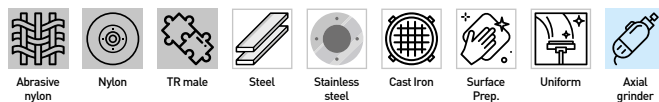


Art.	€	Diameter	rpm max
CSDS/100	€ 4,11	100 mm	8000
CSDS/150	€ 6,70	150 mm	5350
CSDS/200	€ 10,30	200 mm	4000

CSF-

ABRASIVE NYLON BLACK CLEANER

Fast lock. suited for rust, varnish and oxidations removal.



Art.	€	Diameter Ø	rpm max	Pack
CSF/050	€ 2,93	50 mm	12000	10
CSF/075	€ 4,51	75 mm	8000	10



UNITIZED

UNCD-

NON WOVEN ABRASIVE DISCS FOR SURFACE FINISHING

Impregnated with resin and compressed.



Art.	€	Dimensions	Grit	rpm max	Pack
UNCD/F115F	€ 14,50	115 x 22 mm	S/C-F	11000	5
UNCD/F115M	€ 14,50	115 x 22 mm	S/C-M	11000	5
UNCD/F115C	€ 14,50	115 x 22 mm	A/O-C	11000	5



UNPX

UNITIZED FLAT DISCS

Suited for corner blending and finishing, to be used with low speed angle grinders. the product must work on the edge, do not exert lateral pressure



Art.	€	Diameter Ø	Thickness	Hole	Grit	rpm max	Pack
UNP115/6/3SF	€ 11,20	115 mm	6 mm	22 mm	3 S.Fine	5000	5
UNP115/6/6SM	€ 13,00	115 mm	6 mm	22 mm	6 S.Medium	5000	5
UNP125/6/3SF	€ 13,00	125 mm	6 mm	22 mm	3 S.Fine	5000	5
UNP125/6/6SM	€ 15,10	125 mm	6 mm	22 mm	6 S.Medium	5000	5



UNFX

UNITIZED DISCS

3am medium hardness, medium grit size blending, removal grinding scratches, light deburring of edges. 6ac hard, coarse grit size. deburring, heavy brushing, removal of deep scratches and oxidations. 6sf very hard, fine grit size. longer life and better resistance but less conformability to work piece.



Art.	€	Diameter Ø	Thickness	Hole	Grit	rpm max	Pack
UNF150/6/3AM	€ 18,50	150 mm	6 mm	25 mm	3 A.Medium	5000	5
UNF150/6/6SF	€ 18,70	150 mm	6 mm	25 mm	6 S.Fine	5000	5
UNF150/6/6AC	€ 22,00	150 mm	6 mm	25 mm	6 A.Coarse	5000	5

MDUX

FAST LOCK UNITIZED

Deburring and finishing of edges and corners, blending, removing of scratches and light oxidations. Superior quality surface finishing.



Art.	€	Diameter Ø	Grit	rpm max
MDU075/2SF	€ 10,40	75 mm	2SF	20000
MDU075/6SF	€ 11,90	75 mm	6SF	20000
MDU075/6AM	€ 14,00	75 mm	6AM	20000



PAS-

GRINDING PASTES

White: fat paste for roughing-up and preliminary work with sisal, tampico, wire brushes. suited for iron, aluminium, zamak stainless steel, silver, brass. Blue: fat medium paste for polishing and second cut on medium smooth surfaces. for steel, zamak, brass. Pink: medium fat paste for buffing and polishing. Suited for second cut on brass, aluminium, zamak, silver, chrome. Green: medium/fat paste, suited to be used with sisal for stainless finishing. Yellow: cutting paste por precious metal. Silver, gold.

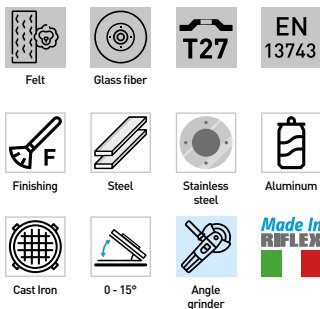


Art.	€	Color
PAS/W	€ 6,40	White
PAS/B	€ 8,50	Blue
PAS/P	€ 8,20	Pink
PAS/Y	€ 7,20	Yellow
PAS/G	€ 6,90	Green

DLFX

FELT FLAP DISCS

Suited for mirror polishing, to be used with compounds or abrasive pastes. Felt flaps are flexible and prevent overheating.



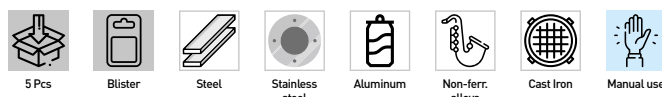
Art.	€	Dimensions	rpm max	Pack
DLF115	€ 4,94	Ø 115 x 22 mm	6000	10
DLF125	€ 5,80	Ø 125 x 22 mm	6000	10

S169

€ 9,40

POLISHING KIT

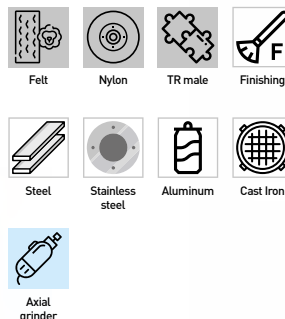
Green and pink: paste for finishing polishes on the main categories of metals. Brown and Black: for performing coarse / medium finish polishes on materials such as brass, aluminum and zinc. White: for carrying out coarse / medium finish polishing on materials such as iron, stainless steel and copper.



MDFX

FAST LOCK FELTRO

Suited for mirror polishing, to be used with compounds or abrasive pastes

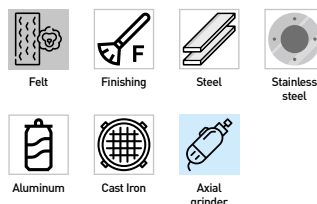


Art.	€	Diameter Ø	rpm max	Pack
MDF050	€ 2,64	50 mm	25000	10
MDF075	€ 3,63	75 mm	20000	10

RGFX

FELT FLAP WHEELS

Suited for mirror polishing, to be used with compounds or abrasive pastes. Felt flaps are flexible and prevent overheating of normal felt wheels.

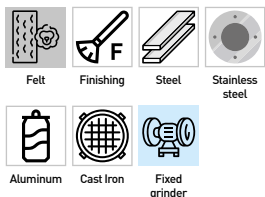


Art.	€	Diameter Ø	Thickness	Shank	rpm max	Pack
RGF030/30	€ 4,94	30 mm	30 mm	6 mm	12500	10
RGF040/30	€ 5,50	40 mm	30 mm	6 mm	9500	10
RGF050/30	€ 6,30	50 mm	30 mm	6 mm	7500	10
RGF060/30	€ 6,90	60 mm	30 mm	6 mm	6000	10
RGF080/30	€ 9,30	80 mm	30 mm	6 mm	4500	10

DFFX

FELT DISCS

Suited for polishing . to be used with compound or diamond paste. best peripheral speed 5-10 m/s

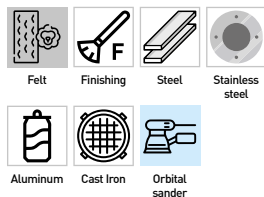


Art.	€	Diameter ø	Thickness	Hole
DFF100/13	€ 6,40	100 mm	13 mm	10 mm
DFF150/13	€ 11,40	150 mm	13 mm	15 mm
DFF150/25	€ 20,60	150 mm	25 mm	15 mm
DFF200/13	€ 17,60	200 mm	13 mm	15 mm
DFF200/25	€ 36,00	200 mm	25 mm	15 mm

VDFX

VELCRO FELT DISCS

Suited for polishing. To be used with compound or diamond paste.

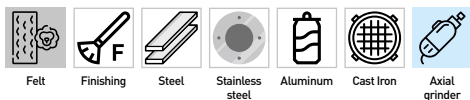


Art.	€	Diameter ø	Thickness	rpm max	Pack
VDF075	€ 3,86	75 mm	5 mm	6000	10
VDF115	€ 4,50	115 mm	5 mm	4000	10
VDF125	€ 5,10	125 mm	5 mm	3500	10
VDF150	€ 7,10	150 mm	5 mm	3000	10
VDF180	€ 9,40	180 mm	5 mm	2500	10

MFGX

FELT POINT

Suited for polishing cut off forms. to be used with diamond paste. best peripheral speed 5-10 m/s.



Art.	€	Shape	Diameter ø	Thickness	Shank	Pack
MFG0610/03A	€ 1,28	A	6 mm	10 mm	3 mm	10
MFG0810/03A	€ 1,28	A	8 mm	10 mm	3 mm	10
MFG1014/06A	€ 1,34	A	10 mm	14 mm	6 mm	10
MFG1520/06A	€ 1,43	A	15 mm	20 mm	6 mm	10
MFG0812/03K	€ 1,35	K	8 mm	12 mm	3 mm	10
MFG1018/06K	€ 1,43	K	10 mm	18 mm	6 mm	10
MFG1530/06K	€ 2,45	K	15 mm	30 mm	6 mm	10
MFG1530/06C	€ 2,44	C	15 mm	30 mm	6 mm	10
MFG2025/06C	€ 2,58	C	20 mm	25 mm	6 mm	10
MFG2530/06C	€ 3,86	C	25 mm	30 mm	6 mm	10
MFG2025/06L	€ 2,49	L	20 mm	25 mm	6 mm	10
MFG2530/06L	€ 3,38	L	25 mm	30 mm	6 mm	10

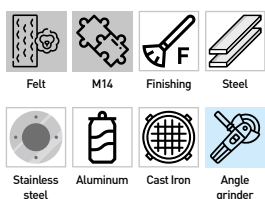


DFC115/M14

€ 18,00

CONICAL FELT DISC

Suited for polishing. to be used with compound or diamond paste.

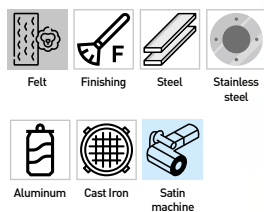


Diameter ø	115 mm
Thickness	12 mm
Thread	M14
rpm max	12500

RFF100

€ 54,60

VENTILATED FELT WHEEL



Dimensions	110 x 100 mm
Hole diameter	19 mm

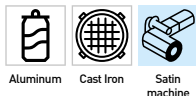


DCK100

€ 4,42

VENTILATED COTTON DISCS

Mirror polishing. 10 discs to get a 100 mm wheel



Diameter ø	100 mm
Hole	19,1 mm
Pack	10

DSK100

€ 7,00

SISAL/COTTON DISCS

Suited for inox to eliminate abrasive merks and before polishing operations with felt or cotton. 7 discs to get a 100 mm wheel

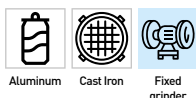
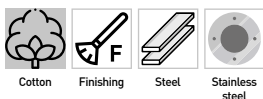


Diameter ø	100 mm
Hole	19,1 mm
Pack	10

DCTX

STITCHED COTTON DISCS

Layers of cotton bonded together by concentric stitching. suited for polishing, to be used with pastes.



Art.	€	Diameter ø	Hole
DCT150	€ 4,85	150 mm	12 mm
DCT200	€ 7,70	200 mm	20 mm
DCT250	€ 14,10	250 mm	20 mm

DSCX

SISAL & COTTON DISCS

Suited for stainless steel to eliminate abrasive marks and before polishing operations with felt or cotton. to be used with pastes.

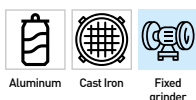
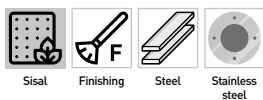


Art.	€	Diameter ø	Hole
DSC150	€ 6,40	150 mm	20 mm
DSC200	€ 12,40	200 mm	20 mm
DSC250	€ 15,80	250 mm	20 mm

DSTX

SISAL STITCHED DISCS

Suited for stainless steel to eliminate abrasive marks and before polishing operations with felt or cotton. to be used with pastes.

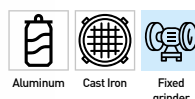
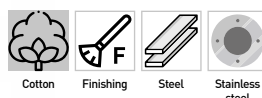


Art.	€	Diameter ø	Hole
DST150	€ 6,60	150 mm	20 mm
DST200	€ 13,00	200 mm	20 mm
DST250	€ 18,90	250 mm	20 mm

DCVX

VENTILATED DISCS

Ventilated cotton discs.



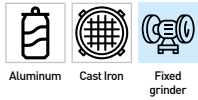
Art.	€	Diameter ø	Hole	Layers
DCV150	€ 4,26	150 mm	20 mm	8
DCV200	€ 11,40	200 mm	20 mm	16

DMV150

€ 4,94

VENTILATED DISCS

Ventilated sisal and cotton discs.

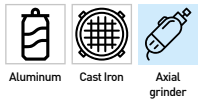
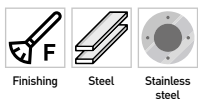


Diameter ø	150 mm
Hole	20 mm
Layers	2

DNW100

€ 2,80

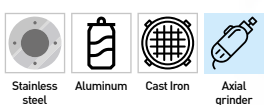
WHITE NON WOVEN POLISHING DISCS



Diameter ø	100 mm
Hole	10 mm
Pack	10

FCGX

FLARE BUFFS



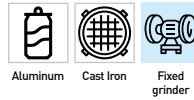
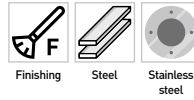
Art.	€	Diameter ø	Shank	Pack
FCG50	€ 4,24	50 mm	6 mm	10
FCG75	€ 6,40	75 mm	6 mm	10

DC200

€ 21,60

CORRUGATED DISCS

Made of cotton with cardboard core.

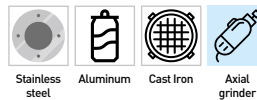


Diameter ø	200 mm
Hole	20 mm
Layers	14

DCGX

SHAFT MOUNTED COTTON BUFFINGS

Suited for polishing. to be used with pastes. best peripheral speed 5-10 m/s

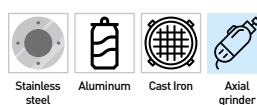


Art.	€	Diameter ø	Thickness	Shank	Pack
DCG050	€ 3,49	50 mm	12 mm	6 mm	10
DCG080	€ 4,41	80 mm	12 mm	6 mm	10
DCG100	€ 5,30	100 mm	12 mm	6 mm	10

CCGX

DOME MOPS

For polishing, for use with abrasive paste. optimal peripheral speed 5-10 m/s.



Art.	€	Diameter ø	Shank	Pack
CCG50	€ 6,30	50 mm	6 mm	5
CCG75	€ 9,80	75 mm	6 mm	5



PNS € 2,14

SHAFT

Shaft for ventilated disc DNW



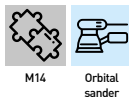
Axial grinder



PLV175 € 25,60

BACKING PAD FOR LAMBS WOOL DISCS

Backing pad suited for VLA200.



M14

Orbital sander

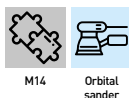


Diameter ø	175 mm
Thread	M14

VSPX

POLYURETHANE BACKING PADS

High & middle profile soft backing pads for contour polishing. pur molded, soft , good rebounding and durability. ideal for contour face polishing, e.g.car body, fiberglass piece, boat, floor etc. suggested to work with lambswool pads, foam pads and abrasive discs.



M14

Orbital sander

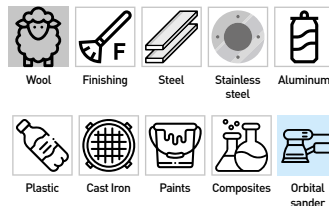


Art.	€	Diameter ø	Thread	rpm max
VSP075	€ 8,90	75 mm	M14	12200
VSP115	€ 9,70	115 mm	M14	10000
VSP125	€ 10,10	125 mm	M14	10000
VSP150	€ 11,60	150 mm	M14	7000
VSP180	€ 12,20	180 mm	M14	5000

VLA200 € 19,00

TWISTED LAMBS WOOL DISC

Polishing of painted surfaces and marble.



Diameter ø	200 mm
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VDLX

POLISHING LAMB'S WOOL

Merinos lamb wool. ideal for polishing all painted surfaces with velcro back



Art.	€	Diameter ø
VDL075	€ 5,80	75 mm
VDL115	€ 7,10	115 mm
VDL125	€ 8,00	125 mm
VDL150	€ 9,70	150 mm
VDL180	€ 12,20	180 mm



BSAX

FOAM BLOCK

Thick foam, abrasive on four sides. wood preparation, doors and windows, angles, de-nibbing. dry and wet sanding, can be washed and reused.



Art.	€	Dimensions	Grit	Pack
BSA100/060C	€ 0,90	98 x 69 x 26 mm	Coarse (60)	20
BSA100/100M	€ 0,90	98 x 69 x 26 mm	Medium (100)	20
BSA100/180F	€ 0,90	98 x 69 x 26 mm	Fine (180)	20

FSAX

FOAM PAD

Very flexible, abrasive on both sides. dry and wet sanding, can be washed and reused. furniture industry, auto body repair, wood preparation.



Art.	€	Dimensions	Grit	Pack
FSA120/060C	€ 0,84	120 x 98 x 13 mm	Coarse (60)	20
FSA120/100M	€ 0,84	120 x 98 x 13 mm	Medium (100)	20
FSA120/180F	€ 0,84	120 x 98 x 13 mm	Fine (180)	20

BGAX

ABRASIVE RUBBER BLOCKS

Can be used for various cleaning and manual finishing operations

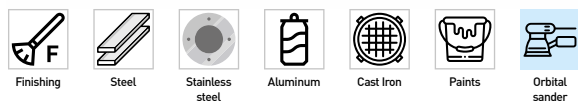


Art.	€	Dimensions	Grit
BGA8050/036	€ 9,20	80 x 50 x 20 mm	36
BGA8050/060	€ 9,20	80 x 50 x 20 mm	60
BGA8050/120	€ 9,20	80 x 50 x 20 mm	120
BGA8050/240	€ 9,20	80 x 50 x 20 mm	240

SALX

POLISHING SPONGES

Available in different flexibility and porosity, ideal for polishing with polishing pastes. yellow: first polishing, high cut. blue: first polishing fast cut orange: polishing, medium cut white: polishing, medium cut black: final polishing



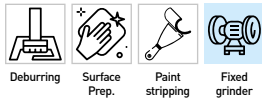
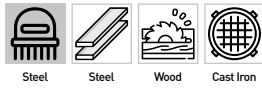
Art.	€	Diameter ø	Thickness	Color	rpm max
SAL80Y	€ 4,75	80 mm	25 mm	Yellow	8000
SAL80B	€ 3,59	80 mm	25 mm	Blue	8000
SAL80O	€ 3,57	80 mm	25 mm	Orange	8000
SAL80K	€ 3,37	80 mm	25 mm	Black	8000
SAL150Y	€ 13,10	150 mm	50 mm	Yellow	4500
SAL150B	€ 10,20	150 mm	50 mm	Blue	4500
SAL150O	€ 9,90	150 mm	50 mm	Orange	4500
SAL150K	€ 8,20	150 mm	50 mm	Black	4500



SRFX

CIRCULAR BRUSHES

Medium to heavy brush applications: long life, aggressive, very resistant.

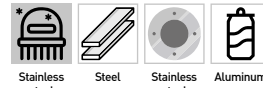


Art.	€	Dimensions	Hole	Wire	rpm max
SRF125/25	€ 7,00	Ø 125 x 20 mm	16, 12,7 mm	0,3 mm	6000
SRF150/25	€ 8,50	Ø 150 x 32 mm	25, 22, 20, 16, 12,7 mm	0,3 mm	6000
SRF175/25	€ 9,70	Ø 175 x 32 mm	25, 22, 20, 16 mm	0,3 mm	6000
SRF200/25	€ 12,10	Ø 200 x 32 mm	25, 22, 20, 16 mm	0,3 mm	4500
SRF250/25	€ 23,20	Ø 250 x 32 mm	25, 22, 20, 16 mm	0,3 mm	3000

SRFXI

CIRCULAR BRUSHES

Medium to heavy brush applications: long life, aggressive, very resistant.

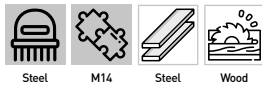


Art.	€	Dimensions	Hole	Wire	rpm max
SRF125/25I	€ 12,50	Ø 125 x 20 mm	16, 12,7 mm	0,3 mm	6000
SRF150/25I	€ 15,40	Ø 150 x 32 mm	25, 22, 20, 16, 12,7 mm	0,3 mm	6000
SRF175/25I	€ 18,40	Ø 175 x 32 mm	25, 22, 20, 16 mm	0,3 mm	6000
SRF200/25I	€ 22,50	Ø 200 x 32 mm	25, 22, 20, 16 mm	0,3 mm	4500
SRF250/25I	€ 34,50	Ø 250 x 32 mm	25, 22, 20, 16 mm	0,3 mm	3000

STFX

CUP BRUSHES

Suited for angle grinders. paint and primer removal, roughing, light rust removal.

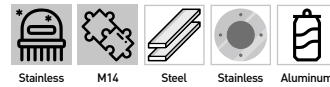


Art.	€	Diameter ø	Thread	Wire	rpm max
STF060	€ 3,45	60 mm	M14	0,3 mm	12500
STF080	€ 4,09	80 mm	M14	0,3 mm	11000
STF100	€ 6,00	100 mm	M14	0,3 mm	8500
STF120	€ 10,70	120 mm	M14	0,3 mm	6500

STFXI

CUP BRUSHES

Suited for angle grinders. paint and primer removal, roughing, light rust removal.

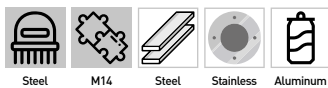


Art.	€	Diameter ø	Thread	Wire	rpm max
STF060I	€ 6,10	60 mm	M14	0,3 mm	12500
STF080I	€ 7,60	80 mm	M14	0,3 mm	11000
STF100I	€ 10,70	100 mm	M14	0,3 mm	8500
STF120I	€ 15,70	120 mm	M14	0,3 mm	6500

SCFX

BEVEL BRUSHES

Suited for angle grinders.

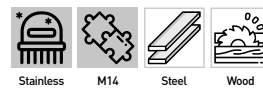


Art.	€	Thread	Wire	rpm max	Diameter ø
SCF090	€ 4,00	M14	0,3 mm	125000	90 mm
SCF120	€ 5,40	M14	0,3 mm	125000	120 mm
SCF150	€ 10,50	M14	0,3 mm	6500	150 mm

SCFXI

BEVEL BRUSHES

Suited for angle grinders.

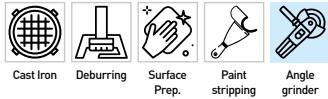
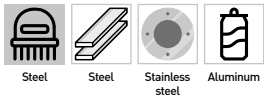


Art.	€	Thread	Wire	rpm max	Diameter ø
SCF090I	€ 6,00	M14	0,3 mm	125000	90 mm
SCF120I	€ 8,10	M14	0,3 mm	12500	120 mm
SCF150I	€ 15,70	M14	0,3 mm	6000	150 mm

SRRX

TWISTED KNOTS CIRCULAR BRUSHES

Suited to clean welds and to remove paint, rust, encrustations and burrs. high operating speed.

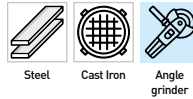
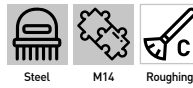


Art.	€	Diameter ø	Hole	Wire	rpm max
SRR100	€ 6,20	100 mm	22 mm	0,5 mm	12500
SRR150	€ 12,10	150 mm	22 mm	0,5 mm	9000
SRR200	€ 17,30	200 mm	22 mm	0,5 mm	6000

SRRX-M14

TWISTED KNOTS CIRCULAR BRUSHES

Suited to clean welds and to remove paint, rust, encrustations and burrs. high operating speed.

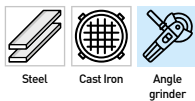
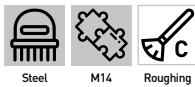


Art.	€	Diameter ø	Thread	Wire	rpm max
SRR100/M14	€ 6,10	100 mm	M14	0,5 mm	12500
SRR115/M14	€ 7,50	115 mm	M14	0,5 mm	12500
SRR125/M14	€ 9,00	125 mm	M14	0,5 mm	11000

STRX

TWISTED KNOTS CUP BRUSHES

Suited to remove carbon, rust, paint and other contaminations

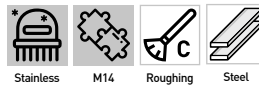


Art.	€	Diameter ø	Thread	Wire	rpm max
STR065	€ 6,80	65 mm	M14	0,5 mm	12500
STR075	€ 7,90	75 mm	M14	0,5 mm	8500
STR080	€ 9,20	80 mm	M14	0,5 mm	8500
STR100	€ 12,10	100 mm	M14	0,5 mm	8500
STR120	€ 15,70	120 mm	M14	0,5 mm	6500

STRXI

TWISTED KNOTS CUP BRUSHES

Suited to remove carbon, rust, paint and other contaminations

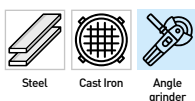
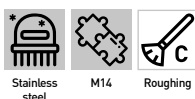


Art.	€	Diameter ø	Thread	Wire	rpm max
STR065I	€ 9,80	65 mm	M 14	0,5 mm	12500
STR075I	€ 12,20	75 mm	M 14	0,5 mm	8500
STR080I	€ 16,30	80 mm	M 14	0,5 mm	8500
STR100I	€ 19,10	100 mm	M 14	0,5 mm	8500
STR120I	€ 24,70	120 mm	M 14	0,5 mm	6500

SCRX

TWISTED KNOTS BEVEL BRUSHES

Suited to remove carbon, rust, paint and other contaminations. tapered brush shaped to reach angles.

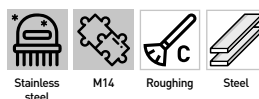


Art.	€	Diameter ø	Thread	Wire	rpm max
SCR100	€ 6,50	100 mm	M14	0,5 mm	12500
SCR120	€ 9,20	120 mm	M14	0,5 mm	12500

SCRXI

TWISTED KNOTS BEVEL BRUSHES

Suited to remove carbon, rust, paint and other contaminations. tapered brush shaped to reach angles.



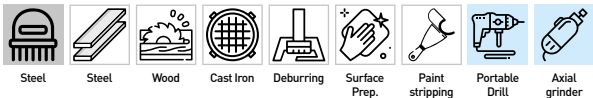
Art.	€	Diameter ø	Thread	Wire	rpm max
SCR100I	€ 9,80	100 mm	M14	0,5 mm	12500
SCR120I	€ 13,70	120 mm	M14	0,5 mm	12500



SRGX

CIRCULAR BRUSHES WITH SHAFT

Cleaning of light rust, paint, primer.

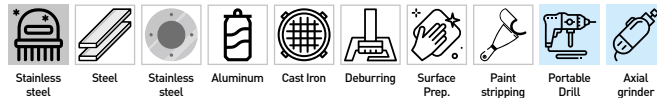


Art.	€	Diameter ø	Thickness	Shank	Wire	rpm max
SRG030/05	€ 0,97	30 mm	5 mm	6 mm	0,3 mm	4500
SRG040/05	€ 1,07	40 mm	5 mm	6 mm	0,3 mm	4500
SRG050/06	€ 1,30	50 mm	6 mm	6 mm	0,3 mm	4500
SRG060/06	€ 1,49	60 mm	6 mm	6 mm	0,3 mm	4500
SRG070/08	€ 1,74	70 mm	8 mm	6 mm	0,3 mm	4500
SRG080/08	€ 1,90	80 mm	8 mm	6 mm	0,3 mm	4500
SRG100/10	€ 2,05	100 mm	10 mm	6 mm	0,3 mm	4500
SRG100/15	€ 3,33	100 mm	15 mm	6 mm	0,3 mm	4500

SRGXI

CIRCULAR BRUSHES WITH SHAFT

Cleaning of light rust, paint, primer.

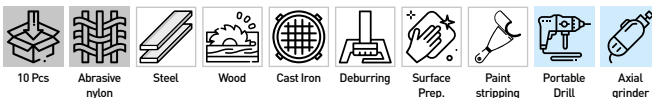


Art.	€	Diameter ø	Thickness	Shank	Wire	rpm max
SRG030/05I	€ 1,60	30 mm	5 mm	6 mm	0,3 mm	4500
SRG040/05I	€ 1,72	40 mm	5 mm	6 mm	0,3 mm	4500
SRG050/06I	€ 2,24	50 mm	6 mm	6 mm	0,3 mm	4500
SRG060/06I	€ 2,34	60 mm	6 mm	6 mm	0,3 mm	4500
SRG070/08I	€ 2,71	70 mm	8 mm	6 mm	0,3 mm	4500
SRG080/08I	€ 3,76	80 mm	8 mm	6 mm	0,3 mm	4500
SRG100/10I	€ 4,09	100 mm	10 mm	6 mm	0,3 mm	4500
SRG100/15I	€ 5,50	100 mm	15 mm	6 mm	0,3 mm	4500

SNGX

NYLON BRUSHES ON SHAFT

More flexible and resistant to breaking than steel wire. On metals it removes oxide and paint residues, scratching less and avoiding rust, on wood it prepares the surface.



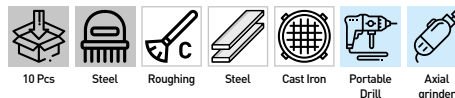
Art.	€	Diameter ø	Shank	Grit	Color	rpm max
SNG075/080R	€ 5,80	75 mm	6 mm	80	Red	4500
SNG075/180B	€ 5,80	75 mm	6 mm	180	Blue	4500
SNG100/080R	€ 6,70	100 mm	6 mm	80	Red	4500
SNG100/180B	€ 6,90	100 mm	6 mm	180	Blue	4500

SGR075

€ 3,86

TWISTED KNOTS BRUSH WITH SHAFT

Cleaning, removal of rust and weld seams



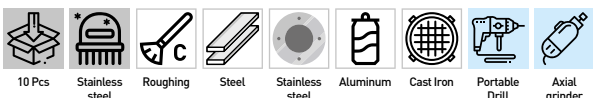
Diameter ø	75 mm
Shank	6 mm
Wire	0,5 mm
rpm max	12000

SGR075I

€ 4,86

TWISTED KNOTS BRUSH WITH SHAFT

Cleaning, removal of rust and weld seams



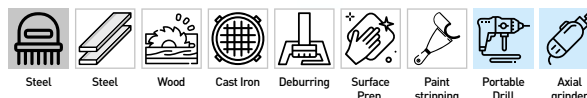
Diameter ø	75 mm
Shank	6 mm
Wire	0,5 mm
rpm max	12000

SCG090

€ 4,09

BEVEL BRUSHES WITH SHAFT

For light and medium rust and varnish removal and deburring



Diameter ø	90 mm
Shank	6 mm
Wire	0,3 mm
rpm max	12500

SCG090I

€ 5,90

BEVEL BRUSHES WITH SHAFT

For light and medium rust and varnish removal and deburring



Stainless steel	Steel	Stainless steel	Aluminum	Cast Iron	Deburring	Surface Prep.	Paint stripping	Portable Drill	Axial grinder
Diameter ø	90 mm								
Shank	6 mm								
Wire	0,3 mm								
rpm max	12500								

STGXI

CUP BRUSHES WITH SHAFT

Cup shape, to reach the bottoms and to work frontally

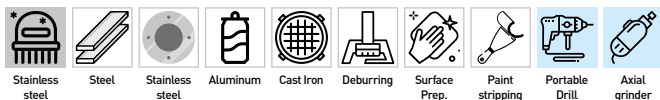


Stainless steel	Steel	Stainless steel	Aluminum	Cast Iron	Deburring	Surface Prep.	Paint stripping	Portable Drill	Axial grinder
Art.	€	Diameter ø	Shank	Wire	rpm max				
STG050I	€ 2,45	50 mm	6 mm	0,3 mm	6500				
STG070I	€ 3,12	70 mm	6 mm	0,3 mm	4500				

SFGXI

END BRUSHES

Suited for hard-to-reach spots and frontal cleaning.



Stainless steel	Steel	Stainless steel	Aluminum	Cast Iron	Deburring	Surface Prep.	Paint stripping	Portable Drill	Axial grinder
Art.	€	Diameter ø	Shank	Wire	rpm max				
SFG010I	€ 1,78	10 mm	6 mm	0,3 mm	20000				
SFG015I	€ 2,51	15 mm	6 mm	0,3 mm	20000				
SFG020I	€ 3,09	20 mm	6 mm	0,3 mm	20000				
SFG025I	€ 3,33	25 mm	6 mm	0,3 mm	20000				
SFG030I	€ 4,94	30 mm	6 mm	0,3 mm	20000				

STGX

CUP BRUSHES WITH SHAFT

Cup shape, to reach the bottoms and to work frontally

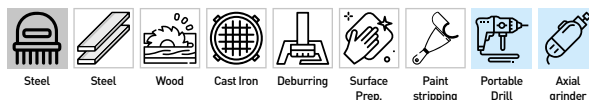


Steel	Steel	Wood	Cast Iron	Deburring	Surface Prep.	Paint stripping	Portable Drill	Axial grinder
Art.	€	Diameter ø	Shank	Wire	rpm max			
STG050	€ 1,61	50 mm	6 mm	0,3 mm	6500			
STG070	€ 2,08	70 mm	6 mm	0,3 mm	4500			

SFGX

END BRUSHES

Suited for hard-to-reach spots and frontal cleaning.

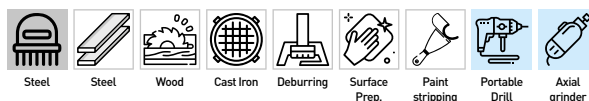


Steel	Steel	Wood	Cast Iron	Deburring	Surface Prep.	Paint stripping	Portable Drill	Axial grinder
Art.	€	Diameter ø	Shank	Wire	rpm max			
SFG010	€ 1,37	10 mm	6 mm	0,3 mm	20000			
SFG015	€ 1,80	15 mm	6 mm	0,3 mm	20000			
SFG020	€ 2,24	20 mm	6 mm	0,3 mm	20000			
SFG025	€ 2,52	25 mm	6 mm	0,3 mm	20000			
SFG030	€ 3,33	30 mm	6 mm	0,3 mm	20000			

SFPX

TIP END BRUSHES

Suited for hard-to-reach spots and frontal cleaning.



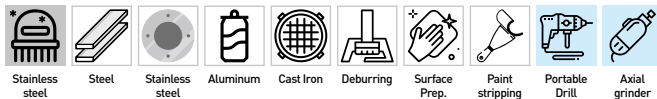
Steel	Steel	Wood	Cast Iron	Deburring	Surface Prep.	Paint stripping	Portable Drill	Axial grinder
Art.	€	Diameter ø	Shank	Wire	rpm max			
SFP012	€ 2,12	12 mm	6 mm	0,3 mm	20000			
SFP024	€ 3,09	24 mm	6 mm	0,3 mm	20000			



SFPXI

TIP END BRUSHES

Suited for hard-to-reach spots and frontal cleaning.

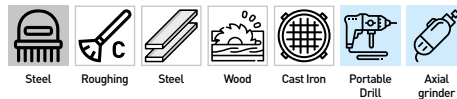


Art.	€	Diameter ø	Shank	Wire	rpm max
SFP012I	€ 1,60	12 mm	6 mm	0.3 mm	20000
SFP024I	€ 3,87	24 mm	6 mm	0.3 mm	20000

SFRX

TWISTED KNOTS END BRUSHES

Suited for hard-to-reach spots and frontal cleaning.

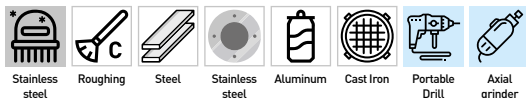


Art.	€	Diameter ø	Shank	Wire	rpm max
SFR019	€ 4,15	19 mm	6 mm	0,5 mm	20000
SFR022	€ 4,57	22 mm	6 mm	0,5 mm	20000

SFRXI

TWISTED KNOTS END BRUSHES

Suited for hard-to-reach spots and frontal cleaning.



Art.	€	Diameter ø	Shank	Wire	rpm max
SFR019I	€ 6,40	19 mm	6 mm	0,5 mm	20000
SFR022I	€ 7,00	22 mm	6 mm	0,5 mm	20000

0331

€ 31,50

WIRE BRUSH SET FOR AUTOMOTIVE AND WORKSHOP

With extension and plastic handle



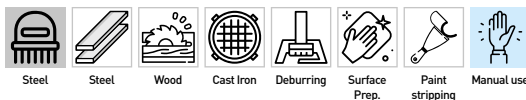
Sizes	Ø 9 - 11 - 13 - 15 - 17 - 19 mm
Material	Nylon - Steel - Brass

SMC275

€ 1,67

HAND BRUSHES

For hand cleaning operations



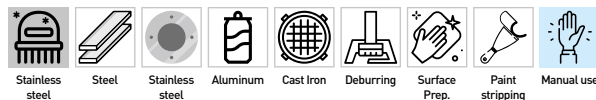
Size	275 mm
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SMC275I

€ 3,36

HAND BRUSHES

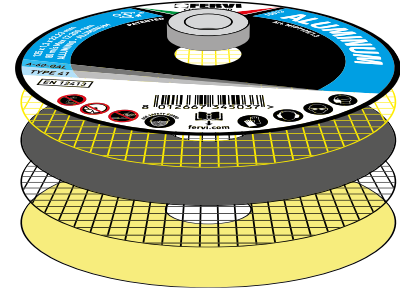
For hand cleaning operations



Size	275 mm
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DISC CONSTRUCTION

An abrasive disc consists of abrasive grains (~75%) bonded together with resins (~25%) and fibre-glass mesh to increase the strength of the product. The minerals used in the production of abrasives are chosen on the basis of their hardness, toughness, heat resistance, composition, and grain shape on which the cutting capacity of that abrasive depends.



The abrasives commonly used in the manufacture of an abrasive disc are as follows:

-Modified zirconium corundum:

it has high toughness and the property of breaking at high temperatures making the grain regenerate creating new sharp "edges". This type of abrasive is obtained by placing zirconium oxide in the electro-fusion. This abrasive is one of the most effective and durable on the market: it has very high toughness and resistance to the heaviest stresses. In addition, thanks to the ability to self-renew its cutting edges, a very high cutting speed is achieved.

- Red Brown Corundum:

it is the most common of the abrasives: it has a medium level of toughness and crumbliness. It is formed by a crystal of aluminium oxide containing a small percentage of iron oxide and titanium oxide which improve its toughness characteristics.

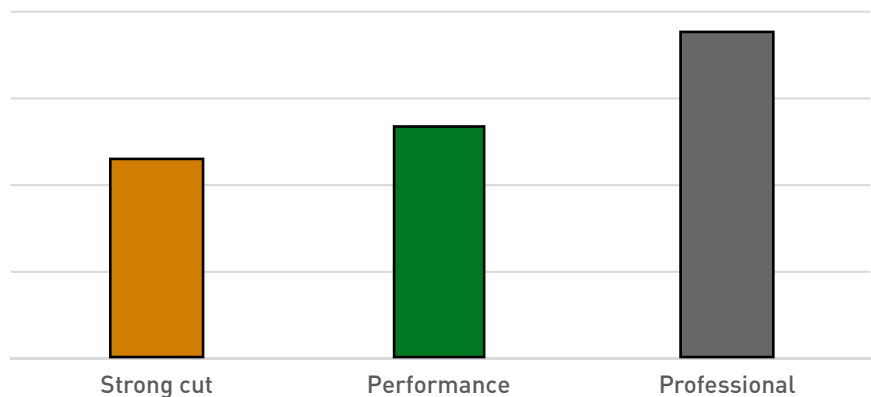


GUIDE TO CHOOSING CUTTING DISC THICKNESS

Disc diameter	Thickness	Type of use
"Ø 75 - 125 mm"	1.0mm	Thickness aimed at speed of processing, comfort of use and quality of cut.
	1.3 - 1.6mm	Thickness aimed at disc life and comfort of use.
	≥ 2mm	Heavy Duty
"Ø150 - 230 mm"	2mm	Thickness aimed at disc life and comfort of use.
	≥ 3mm	Heavy Duty

Our tests are carried out using a 1200W electric tool by cutting a 40 x 15 x 1.5 rectangular section tube in AISI 304 using discs with a diameter of 125 mm and a nominal thickness of 1.0 mm making all possible cuts with the disc up to the end of its life.

Number of cuts

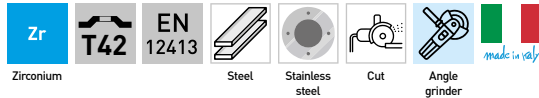




ZTD8X

PROFESSIONAL ZIRCONIA CUTTING DISC

Narrow domed discs, to maximize the flat working area. It allows you to make more cuts, deeper than a depressed center disc and the same duration and cutting capacity of a flat disc with the advantage of greater rigidity given by the depressed center shape and the dome. The extremely thin thickness allows the execution of cuts with minimal formation of burrs.



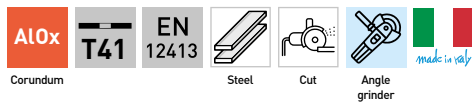
Art.	€	Dimensions	Specification	Pack
ZTD8115/1.0	€ 2,31	115 x 1,0 x 22 mm	ZA-60-SXBF	25
ZTD8125/1.0	€ 2,52	125 x 1,0 x 22 mm	ZA-60-SXBF	25



MTP8X

PROFESSIONAL CUTTING DISC

For specific uses. Designed for professionals who need a large number of high quality cuts. They boast a helical rib conformation on both sides, which allows for a faster and colder cut. The ultimate evolution of thin cutting discs.



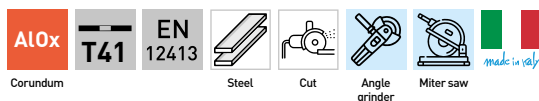
Art.	€	Dimensions	Specification	Pack
MTP8115/1.0	€ 1,64	115 x 1,0 x 22 mm	A60S	25
MTP8115/1.3	€ 1,68	115 x 1,3 x 22 mm	A60S	25
MTP8115/1.6	€ 1,74	115 x 1,6 x 22 mm	A60S	25
MTP8125/1.0	€ 1,75	125 x 1,0 x 22 mm	A60S	25
MTP8125/1.3	€ 1,79	125 x 1,3 x 22 mm	A60S	25
MTP8230/2.0	€ 3,66	230 x 2,0 x 22 mm	A60S	25
MTP8125/1.6	€ 1,94	125 x 1,6 x 22 mm	A60S	25



MTP6X

PERFORMANCE CUTTING DISC

For general use. Designed for artisans and small businesses. Good cut quality.



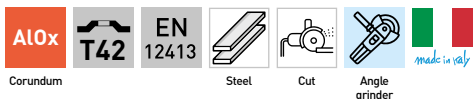
Art.	€	Dimensions	Specification	Pack
MTP6075/1.5	€ 1,48	75 x 1,5 x 10 mm	A46-S-BF 80	25
MTP6115/1.0	€ 1,30	115 x 1,0 x 22 mm	A46-R-BF 80	25
MTP6115/1.3	€ 1,30	115 x 1,3 x 22 mm	A46-R-BF 80	25
MTP6115/1.6	€ 1,30	115 x 1,6 x 22 mm	A46-R-BF 80	25
MTP6125/1.0	€ 1,39	125 x 1,0 x 22 mm	A46-S5-BF	25
MTP6125/1.3	€ 1,39	125 x 1,3 x 22 mm	A46-S5-BF	25
MTP6125/1.6	€ 1,39	125 x 1,6 x 22 mm	A46-S5-BF	25
MTP6230/2.0	€ 3,42	230 x 2,0 x 22 mm	A30-R-BF 80	25
MTP6350/3.0	€ 10,30	350 x 3,0 x 25.4 mm	A46-S-BF 80	25



MTD6X

PERFORMANCE CUTTING DISC

For general use. Designed for artisans and small businesses. Good cut quality.



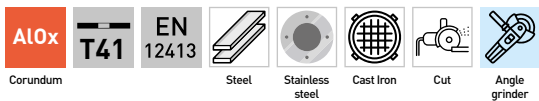
Art.	€	Dimensions	Specification	Pack
MTD6115/3.0	€ 1,48	115 x 3,0 x 22 mm	A30-R-BF 80	25
MTD6125/3.2	€ 1,75	125 x 3,2 x 22 mm	A30-S-BF	25
MTD6230/3.0	€ 2,96	230 x 3,0 x 22 mm	A30-R-BF 80	25



MTP4X

STRONG CUT CUTTING DISC

For general use. Designed for hobbyists, artisans and small businesses. Ideal on both steel and stainless steel. Excellent value for money.



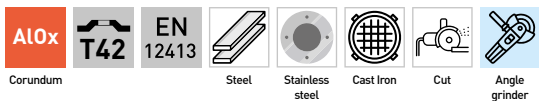
Art.	€	Dimensions	Specification	Pack
MTP4075/1.5	€ 0,92	75 x 1.5 x 9.53 mm	A60TBF	100
MTP4115/1.0	€ 0,83	115 x 1.0 x 22 mm	A60TBF	50
MTP4115/1.3	€ 0,83	115 x 1.3 x 22 mm	A60TBF	50
MTP4115/1.6	€ 0,83	115 x 1.6 x 22 mm	A46TBF	50
MTP4125/1.0	€ 0,92	125 x 1.0 x 22 mm	A60TBF	50
MTP4125/1.3	€ 0,92	125 x 1.3 x 22 mm	A60TBF	50
MTP4125/1.6	€ 0,92	125 x 1.6 x 22 mm	A46TBF	50
MTP4230/2.0	€ 2,96	230 x 2.0 x 22 mm	A46TBF	25
MTP4350/3.0	€ 7,90	350 x 3.0 x 22 mm	A30SBF	10



MTD4X

STRONG CUT CUTTING DISC

For general use. Designed for hobbyists, artisans and small businesses. Ideal on both steel and stainless steel. Excellent value for money.



Art.	€	Dimensions	Specification	Pack
MTD4115/3.0	€ 1,11	115 x 3.0 x 22 mm	A30SBF	50
MTD4125/3.0	€ 1,39	125 x 3.0 x 22 mm	A30SBF	50
MTD4180/3.0	€ 2,03	180 x 3.0 x 22 mm	A30SBF	25
MTD4230/3.0	€ 2,68	230 x 3.0 x 22 mm	A30SBF	25

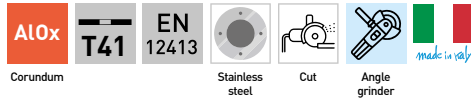




MTP9X

INOX CUTTING DISC

For specific uses. Designed for stainless steel professionals who require a large number of high quality cuts. They boast a helical rib conformation on both sides that allows for a faster and colder cut.



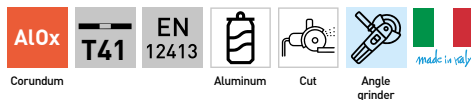
Art.	€	Dimensions	Specification	Pack
MTP9115/1.0	€ 1,77	115 x 1,0 x 22 mm	A60SX	25
MTP9115/1.3	€ 1,88	115 x 1,3 x 22 mm	A60SX	25
MTP9115/1.6	€ 1,96	115 x 1,6 x 22 mm	A60SX	25
MTP9125/1.0	€ 1,94	125 x 1,0 x 22 mm	A60SX	25
MTP9125/1.3	€ 2,11	125 x 1,3 x 22 mm	A60SX	25
MTP9125/1.6	€ 2,16	125 x 1,6 x 22 mm	A60SX	25
MTP9230/2.0	€ 4,52	230 x 2,0 x 22 mm	A60SX	25



MTP7X

PROFESSIONAL CUTTING DISC FOR ALUMINIUM

For specific uses. Designed for aluminum professionals and window fabricators. Ideal on aluminum extrusions, in light alloy foundries and a large number of high quality cuts are required. It boasts a helical rib conformation on both sides that allows for a faster and colder cut, with low clogging.



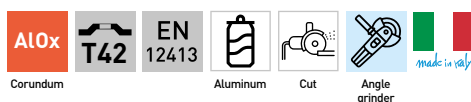
Art.	€	Dimensions	Specification	Pack
MTP7115/1.3	€ 1,81	115 x 1,3 x 22 mm	A-60-QAL	25
MTP7125/1.3	€ 2,22	125 x 1,3 x 22 mm	A-60-QAL	25



MTD7X

PROFESSIONAL CUTTING DISC FOR ALUMINIUM

For specific uses. Designed for aluminum professionals and window fabricators. Ideal on aluminum extrusions, in light alloy foundries and a large number of high quality cuts are required. Long life and constant performance thanks to the addition of specific anti-clogging additives

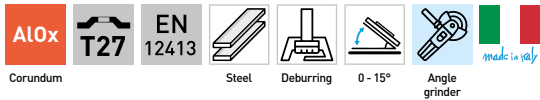


Art.	€	Dimensions	Specification	Pack
MTD7230/3.2	€ 4,99	230 x 3,2 x 22 mm	A-30-36-QAL	25



ZSD8X
PROFESSIONAL ZIRCONIA GRINDING DISC

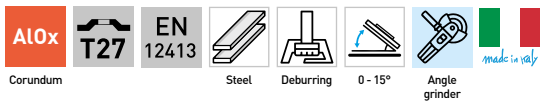
For specific and heavy uses. Designed for professional use. Ideal for fast removal of weld seams, caulking, removal of calamine and pipes (see oil & gas). Has also applications on cast iron, stainless steel forged materials.



Art.	€	Dimensions	Specification	Pack
ZSD8115/7.0	€ 4,16	115 x 7,0 x 22 mm	ZA-60-SXBF	25
ZSD8125/7.0	€ 4,80	125 x 7,0 x 22 mm	ZA-60-SXBF	25
ZSD8230/7.0	€ 13,20	230 x 7,0 x 22 mm	ZA-60-SXBF	25


MSD8X
PROFESSIONAL GRINDING DISC

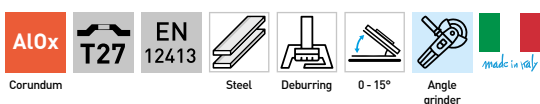
For specific uses. Designed for professionals who need high removal capacity and fatigue resistance. Ideal on plates with calamine, for removing important beads and burrs.



Art.	€	Dimensions	Specification	Pack
MSD8115/6.5	€ 2,49	115 x 6,5 x 22 mm	A-Q	25
MSD8125/6.5	€ 2,74	125 x 6,5 x 22 mm	A-Q	25
MSD8230/7.0	€ 6,70	230 x 7,0 x 22 mm	A-Q	25


MSD6X
PERFORMANCE GRINDING DISC

For general use. Designed for artisans and small businesses. With good quality on weld seams, plates with calamine and deburring in general.



Art.	€	Dimensions	Specification	Pack
MSD6115/6.0	€ 2,03	115 x 6,0 x 22 mm	A24-R-BF 80	25
MSD6125/6.5	€ 2,41	125 x 6,5 x 22 mm	A30-S-BF	25
MSD6230/6.0	€ 5,70	230 x 6,0 x 22 mm	A24-R-BF 80	25

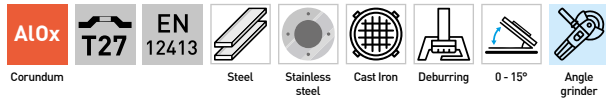




MSD4X

STRONG CUT GRINDING DISC

For general use. Designed for hobbyists, artisans and small businesses. Ideal on both steel and stainless steel. Excellent value for money.



Art.	€	Dimensions	Specification	Pack
MSD4115/6.0	€ 1,57	115 x 6.0 x 22 mm	A24RBF	25
MSD4125/6.0	€ 1,94	125 x 6.0 x 22 mm	A24RBF	25
MSD4180/6.0	€ 3,97	180 x 6.0 x 22 mm	A24RBF	20
MSD4230/6.0	€ 5,10	230 x 6.0 x 22 mm	A24RBF	15



MSD7X

PROFESSIONAL GRINDING DISC FOR ALUMINIUM

For specific uses. Designed for aluminum professionals and window fabricators. Ideal on aluminum extrusions, in light alloy foundries and a large removal capacity is required. Long life and constant performance thanks to the addition of specific anti-clogging additives



Art.	€	Dimensions	Specification	Pack
MSD7230/7.0	€ 9,20	230 x 7,0 x 22 mm	A-24-30-36-QAL	25



M16X

GRINDING WHEELS

Pink corundum



A10x

Corundum

Art.	€	Dimensions	Specifications
M159	€ 7,70	Ø 100 x 4,5 x 10 mm	GR80
M160	€ 7,70	Ø 100 x 3,2 x 10 mm	GR80
M163	€ 14,10	Ø 145 x 3,2 x 22,3 mm	GR 80
M162	€ 14,10	Ø 145 x 4,7 x 22,3 mm	GR80

MGX

GREY CORUNDUM GRINDING WHEEL

For tough hard steels grinding, equipped with concentric reducers to adapt to all stationary machines.



A10x

Corundum



Roughing



Steel



Stainless steel



Deburring



Fixed grinder

Art.	€	Dimensions	Grit	Max speed	Adapters
MG01/36	€ 7,30	150 x 20 x 32 mm	36	4500 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MG01/46	€ 7,30	150 x 20 x 32 mm	46	4500 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MG01/60	€ 7,30	150 x 20 x 32 mm	60	4500 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MG01/80	€ 7,30	150 x 20 x 32 mm	80	4500 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MG02/36	€ 7,80	200 x 20 x 32 mm	36	3350 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MG02/46	€ 7,80	200 x 20 x 32 mm	46	3350 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MG02/60	€ 7,80	200 x 20 x 32 mm	60	3350 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MG02/80	€ 7,80	200 x 20 x 32 mm	80	3350 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MG03/36	€ 10,30	200 x 25 x 32 mm	36	3350 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MG03/46	€ 10,30	200 x 25 x 32 mm	46	3350 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MG03/60	€ 10,30	200 x 25 x 32 mm	60	3350 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MG03/80	€ 10,30	200 x 25 x 32 mm	80	3350 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MG04/36	€ 15,60	250 x 25 x 32 mm	36	3350 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MG04/46	€ 15,60	250 x 25 x 32 mm	46	2650 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MG04/60	€ 15,60	250 x 25 x 32 mm	60	2650 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MG04/80	€ 15,60	250 x 25 x 32 mm	80	2650 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MG06/80	€ 19,30	200 x 40 x 20 mm	80	3350 rpm 35 m/s	- mm

MVX

SILICON CARBIDE GRINDING WHEEL

For high cutting and finishing, for alloy tool sharpening, equipped with concentric reducers to adapt to all stationary machines.



SiC

Silicon carbide



Aluminum



HM



Fixed grinder

Art.	€	Dimensions	Grit	Max speed	Adapters
MV01/80	€ 12,20	150 x 20 x 32 mm	80	4500 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MV02/80	€ 14,50	200 x 20 x 32 mm	80	3350 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MV03/80	€ 17,70	200 x 25 x 32 mm	80	3350 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MV04/80	€ 27,90	250 x 25 x 32 mm	80	2650 rpm 35 m/s	12,7 - 16 - 20 - 25 mm

MBX

WHITE CORUNDUM GRINDING WHEEL

For steel finishing, equipped with concentric reducers to adapt to all stationary machines.



A10x

Corundum



Finishing



Steel



Stainless steel



HSS



Deburring



Fixed grinder

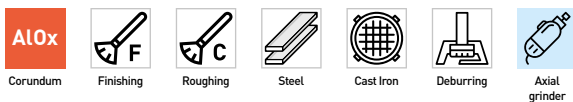
Art.	€	Dimensions	Grit	Max speed	Adapters
MB01/60	€ 7,70	150 x 20 x 32 mm	60	4500 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MB02/60	€ 8,10	200 x 20 x 32 mm	60	3350 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MB03/60	€ 10,90	200 x 25 x 32 mm	60	3350 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MB04/60	€ 22,30	250 x 25 x 32 mm	60	2650 rpm 35 m/s	12,7 - 16 - 20 - 25 mm



MCGXA

VITRIFIED MOUNTED POINTS

Cylindrical shape "A" suited for grinding and finishing small or hard to reach surfaces: unhardened steels, alloyed steels, cast iron.



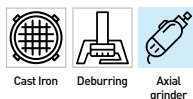
Art.	€	Size	Shank	rpm max	Pack
MCG0306/03A	€ 0,53	Ø 3 x 6 mm	3 mm	50000	25
MCG0408/03A	€ 0,53	Ø 4 x 8 mm	3 mm	50000	25
MCG0510/03A	€ 0,53	Ø 5 x 10 mm	3 mm	50000	25
MCG0610/03A	€ 0,53	Ø 6 x 10 mm	3 mm	47750	25
MCG0610/06A	€ 0,53	Ø 6 x 10 mm	6 mm	47750	25
MCG0810/03A	€ 0,53	Ø 8 x 10 mm	3 mm	38590	25
MCG0810/06A	€ 0,53	Ø 8 x 10 mm	6 mm	38590	25
MCG1010/03A	€ 0,63	Ø 10 x 10 mm	3 mm	28640	25
MCG1010/06A	€ 0,83	Ø 10 x 10 mm	6 mm	28640	25
MCG1020/06A	€ 0,87	Ø 10 x 20 mm	6 mm	28640	25

Art.	€	Size	Shank	rpm max	Pack
MCG1520/06A	€ 0,93	Ø 15 x 20 mm	6 mm	19000	25
MCG1530/06A	€ 1,19	Ø 15 x 30 mm	6 mm	19000	25
MCG2020/06A	€ 1,19	Ø 20 x 20 mm	6 mm	14320	25
MCG2025/06A	€ 1,39	Ø 20 x 25 mm	6 mm	14320	25
MCG2030/06A	€ 1,50	Ø 20 x 30 mm	6 mm	14320	25
MCG2525/06A	€ 1,39	Ø 25 x 25 mm	6 mm	11460	25
MCG3030/06A	€ 1,93	Ø 30 x 30 mm	6 mm	9540	25
MCG4020/06A	€ 2,51	Ø 40 x 20 mm	6 mm	7150	25
MCG4040/06A	€ 3,62	Ø 40 x 40 mm	6 mm	7150	25
MCG5010/06A	€ 2,51	Ø 50 x 10 mm	6 mm	5750	25

MCGXC

VITRIFIED MOUNTED POINTS

Conical shape "C" suited for grinding and finishing small or hard to reach surfaces: unhardened steels, alloyed steels, cast iron.

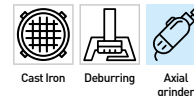


Art.	€	Size	Shank	rpm max	Pack
MCG1020/06C	€ 1,00	10 x 20 mm	6 mm	28640	25
MCG1520/06C	€ 1,09	15 x 20 mm	6 mm	19000	25
MCG1540/06C	€ 1,81	15 x 40 mm	6 mm	19000	25
MCG2030/06C	€ 1,50	20 x 30 mm	6 mm	14320	25
MCG2540/06C	€ 2,70	25 x 40 mm	6 mm	11460	25
MCG3040/06C	€ 2,44	30 x 40 mm	6 mm	9540	25

MCGXS

VITRIFIED MOUNTED POINTS

Spherical shape "S" suited for grinding and finishing small or hard to reach surfaces: unhardened steels, alloyed steels, cast iron.



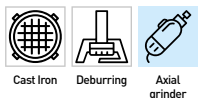
Art.	€	Size	Shank	rpm max	Pack
MCG10/06S	€ 1,09	Ø 10 mm	6 mm	28640	25
MCG15/06S	€ 0,98	Ø 15 mm	6 mm	19000	25
MCG20/06S	€ 1,36	Ø 20 mm	6 mm	14320	25
MCG25/06S	€ 1,97	Ø 25 mm	6 mm	11640	25
MCG30/06S	€ 2,13	Ø 30 mm	6 mm	9540	25

MCG2050/06G

€ 2,41

VITRIFIED MOUNTED POINTS

Glove shape "G" suited for grinding and finishing small or hard to reach surfaces: unhardened steels, alloyed steels, cast iron.

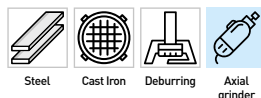


Size	Ø 20 x 50 mm
Shank	6 mm
rpm max	14320
Pack	25

MBGXA

RESINOID BAKELITE POINTS

Conical shape "C" suited for grinding and finishing small or hard to reach surfaces: unhardened steels, alloyed steels, cast iron.



Art.	€	Size	Shank
MBG1030/06A	€ 1,50	Ø 10 x 30 mm	6 mm
MBG1530/06A	€ 1,64	Ø 15 x 30 mm	6 mm
MBG2020/06A	€ 1,47	Ø 20 x 20 mm	6 mm
MBG2030/06A	€ 1,69	Ø 20 x 30 mm	6 mm
MBG2040/06A	€ 2,15	Ø 20 x 40 mm	6 mm
MBG2525/06A	€ 1,69	Ø 25 x 25 mm	6 mm
MBG2535/06A	€ 2,02	Ø 25 x 35 mm	6 mm
MBG3010/06A	€ 1,39	Ø 30 x 10 mm	6 mm
MBG3030/06A	€ 1,95	Ø 30 x 30 mm	6 mm
MBG4020/06A	€ 2,47	Ø 40 x 20 mm	6 mm
MBG4035/06A	€ 3,22	Ø 40 x 35 mm	6 mm
MBG5010/06A	€ 2,47	Ø 50 x 10 mm	6 mm

MBGX

RESINOID BAKELITE POINTS

Conical shape "C" suited for grinding and finishing small or hard to reach surfaces: unhardened steels, alloyed steels, cast iron.



Art.	€	Size	Shank
MBG1540/06C	€ 2,56	Ø 15 x 40 mm	6 mm
MBG2040/06C	€ 2,76	Ø 20 x 40 mm	6 mm
MBG2535/06C	€ 2,56	Ø 25 x 35 mm	6 mm

0816

€ 6,40

SHARPENING STONE (SILICON CARBIDE)



SiC

Silicon carbide

Dimensions	200 x 50 x 25h mm
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D100

€ 46,20

PEN TYPE DIAMOND DRESSER

Natural type



Diamond

Shank	Ø 10 mm
Length	48 mm
Carats	1

0163

€ 8,30

MOUNTED GRINDING SET



10 Pcs

Shank	Ø 3 - 6 mm
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0817

€ 6,10

SHARPENING STONE (ALUMINUM OXIDE)



AlOx

Corundum

Dimensions	200 x 50 x 25h mm
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D100/S

€ 31,90

PEN TYPE DIAMOND DRESSER

Sintetic type



Diamond

Shank	Ø 10 mm
Length	48 mm
Carats	1



D045-

DIAMOND SAW BLADES CONTINUOUS RIM

General use, for cutting: marble, tiles, ceramics - wet applications.



Art.	€	Diameter	Hole	Diamond height	Cut thickness	rpm max
D045/115	€ 5,00	Ø 115 mm	Ø 22,2 mm	5 mm	2.0	13300
D045/180	€ 14,60	Ø 180 mm	Ø 22,2 mm	5 mm	2.4	8500
D045/230	€ 20,60	Ø 230 mm	Ø 22,2 mm	5 mm	2.8	6600



D070-

PROFESSIONAL DIAMOND SAW BLADES FOR PORCELAIN GRES, TILES, HARD CERAMICS

Specialized for cutting porcelain gres, klinker, travertine, tiles, clay tiles, ceramics, marble - dry and wet applications

PRO



Art.	€	Diameter	Hole	Diamond height	Cut thickness	rpm max
D070/115	€ 27,30	Ø 115 mm	Ø 22,2 mm	10 mm	1.3 mm	13300
D070/180	€ 56,40	Ø 180 mm	Ø 22,2 mm	10 mm	1.6 mm	8500
D070/230	€ 79,80	Ø 230 mm	Ø 22,2 mm	10 mm	2.0 mm	6600



D060-

PROFESSIONAL VENTILATED DIAMOND DISCS

Long life, for cutting concrete, marble, tiles, stone - dry and wet applications

PRO



Art.	€	Diameter	Hole	Diamond height	Cut thickness	rpm max
D060/115	€ 13,90	Ø 115 mm	Ø 22,2 mm	10 mm	1.4 mm	13300
D060/180	€ 49,30	Ø 180 mm	Ø 22,2 mm	10 mm	1.8 mm	8500
D060/230	€ 68,90	Ø 230 mm	Ø 22,2 mm	10 mm	2.4 mm	6600



D059-

VENTILATED DIAMOND SAW BLADES

General use, for cutting: concrete, marble, tiles, stone - dry and wet applications



Art.	€	Diameter	Hole	Diamond height	Cut thickness	rpm max
D059/115	€ 8,10	Ø 115 mm	Ø 22,2 mm	7 mm	2.0 mm	13300
D059/180	€ 20,60	Ø 180 mm	Ø 22,2 mm	7 mm	2.4 mm	8500
D059/230	€ 38,30	Ø 230 mm	Ø 22,2 mm	7 mm	2.8 mm	6600



D055-

PRO

PROFESSIONAL SEGMENTED VENTILATED DIAMOND DISCS

Long life, for cutting concrete, marble, stone - dry application



Art.	€	Diameter	Hole	Diamond height	Segments	Cut thickness	rpm max
D055/115	€ 15,50	Ø 115 mm	Ø 22,2 mm	10 mm	9	1.9 mm	13300
D055/180	€ 45,10	Ø 180 mm	Ø 22,2 mm	10 mm	14	2.2 mm	8500
D055/230	€ 68,90	Ø 230 mm	Ø 22,2 mm	10 mm	18	2.6 mm	6600



D054-

SEGMENTED VENTILATED DIAMOND DISCS

General use, for cutting concrete, marble, stone - dry application



Art.	€	Diameter	Hole	Diamond height	Segments	Cut thickness	rpm max
D054/115	€ 6,30	Ø 115 mm	Ø 22,2 mm	7 mm	9	2.0	13300
D054/180	€ 17,90	Ø 180 mm	Ø 22,2 mm	7 mm	14	2.4	8500
D054/230	€ 26,50	Ø 230 mm	Ø 22,2 mm	7 mm	18	2.8	6600



0350

€ 46,80

SUPER TURBO DIAMOND BLADE



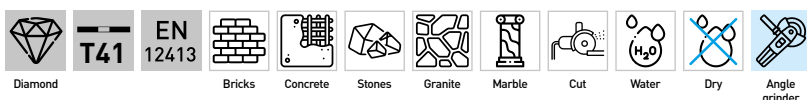
Dimensions	Ø 230 mm
Hole	Ø 22,2 mm
Dry - Wet	



0709

€ 12,80

SUPER TURBO DIAMOND BLADE



Dimensions	Ø 115 mm
Hole	Ø 22,2 mm
Dry - Wet	

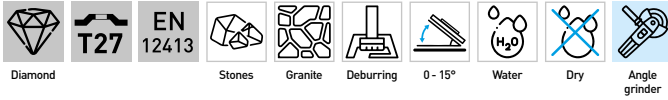




0833

€ 62,80

TURBO POLISHING DIAMOND CUP WHEEL FOR GRANITE AND STONE



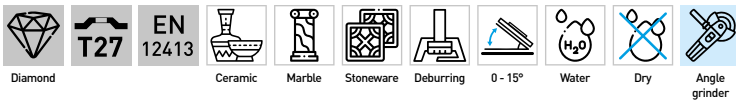
Dimensions	Ø 100 mm
Hole	Ø 22,2 mm
Dry - Wet	



D040-

DIAMOND CUP WHEEL

General use, for porcelain gres, klinker, travertine, tiles, clay tiles, ceramics, marble - dry and wet applications








Art.	€	Diameter	Hole	Segments	rpm max
D040/115	€ 26,80	Ø 115 mm	Ø 22,2 mm	8 + 8	13300
D040/180	€ 53,80	Ø 180 mm	Ø 22,2 mm	14 + 14	8500










WORKSHOP FURNITURE

- p. 310  — Modular furnishings
- p. 319  — Workbenches
- p. 320  — Cabinets
- p. 325  — Tool rolling cabinets
- p. 328  — Tool boxes







BENCH VICES, CLAMPS AND ANVILS

- p. 333  — Bench vices
- p. 335  — Vices
- p. 337  — Anvils






MACHINERY FOR FINISHING

- p. 338  — Sandblast cabinets
- p. 347  — Cleaning tanks
- p. 349  — Vacuum cleaners wet and dry
- p. 352  — Marking










PRESSES AND HYDRAULIC PUMPS

- p. 355  — Hydraulic presses
- p. 358  — Manual presses
- p. 359  — Hydraulic pump units









CAR AND MOTORCYCLE WORKSHOP

- p. 360  — Trolley jacks and stands
- p. 362  — Hydraulic cranes and engine stands
- p. 364  — Oil collecting units
- p. 365  — Winches
- p. 366  — Battery chargers
- p. 367  — Motorcycle and quad lifts
- p. 369  — Trolleys



LIFTING AND HANDLING

- p. 370  — Hydraulic jacks
- p. 371  — Trolleys
- p. 373  — Cable hoists
- p. 374  — Lifting accessories
- p. 377  — Winches and tensioners
- p. 378  — Pallet handling



THE OPTIMAL SOLUTION TO FURNISH YOUR WORKSHOP, YOUR GARAGE OR YOUR RACING CORNER

CHOOSE FROM THE COMPOSITIONS CREATED FOR YOU BY FERVI OR CONFIGURE YOUR MODULAR AND SELF-SUPPORTING WORKSHOP FURNITURE ACCORDING TO YOUR NEEDS

A007/07

PANELS CONNECTOR
NECESSARY TO CONNECT THE MODULES

A007/02

TALL CABINET
WITH 3 SHELVES

A007/10

HANGING PANEL

A007/01

WALL CABINET
TO FIX ON THE HANGER PANEL

A007/11

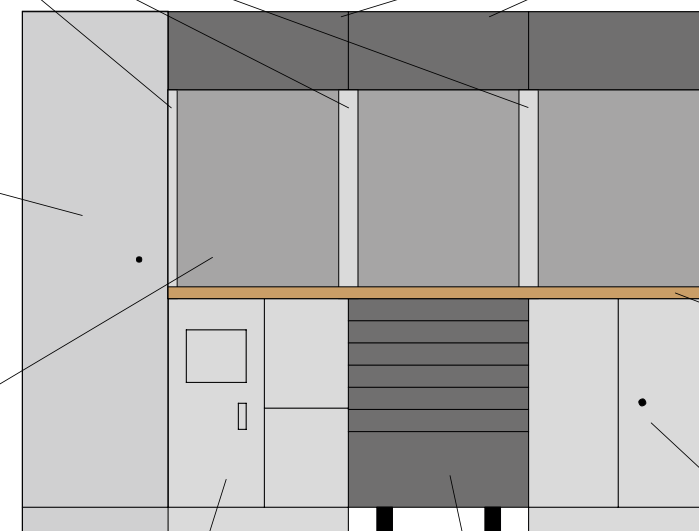
HALF PANEL CONNECTOR
TO END THE CONFIGURATION WITHOUT THE CABINET

A007/09

WORK PLATES
AVAILABLE IN 3 MEASUREMENTS AND 2 MATERIALS

A007/03

DOOR CABINET
IT MUST BE INSERTED IN THE CENTRAL SPACE OF A 3-MODULE PLAN



A007/06

MULTIFUNCTION CABINET

A007/16

ROLLING CABINET
WITH 7 DRAWERS ON BALL BEARING SLIDE

EXAMPLE OF CONFIGURATION WITH THREE MODULES WITH CABINET



A007A

€ 4480,00

WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner

- 4 WALL CABINET WITH SPRING GAS [A007/01]
- 2 TALL CABINETS WITH 3 SHELVES [A007/02]
- 1 DOOR CABINET WITH ONE SHELF [A007/03]
- 1 TOOL CABINET WITH 4 DRAWERS ON BALL BEARING SLIDE [A007/04]
- 2 TOOL CABINETS WITH 5 DRAWERS ON BALL BEARING SLIDES [A007/05]
- 5 PANELS CONNECTORS [A007/07]
- 2 WOOD PLATES [A007/08]
- 4 HANGING PANELS [A007/10]

Dimensions 3920 x 498 x 2000h mm



A008A € 4710,00

WITH STAINLESS STEEL PLATES

A007B

€ 4390,00

WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner

- 4 WALL CABINET WITH SPRING GAS [A007/01]
- 2 TALL CABINETS WITH 3 SHELVES [A007/02]
- 1 DOOR CABINET WITH ONE SHELF [A007/03]
- 2 TOOL CABINETS WITH 5 DRAWERS ON BALL BEARING SLIDES [A007/05]
- 1 MULTIFUNCTION CABINET [A007/06]
- 5 PANELS CONNECTORS [A007/07]
- 2 WOOD PLATES [A007/08]
- 4 HANGING PANELS [A007/10]

Dimensions 3920 x 498 x 2000h mm



A008B € 4590,00

WITH STAINLESS STEEL PLATES

A007C

€ 2160,00

WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner

- 2 WALL CABINET WITH SPRING GAS [A007/01]
- 1 TALL CABINET WITH 3 SHELVES [A007/02]
- 1 DOOR CABINET WITH ONE SHELF [A007/03]
- 1 TOOL CABINETS WITH 5 DRAWERS ON BALL BEARING SLIDES [A007/05]
- 2 HANGING PANELS [A007/10] 2
- PANELS CONNECTORS [A007/07]
- 1 WOOD PLATE [A007/08]
- 2 HANGING PANELS [A007/10]
- 1 HALF PANEL CONNECTOR [A007/11]

Dimensions 1960 x 498 x 2000h mm



A008C € 2270,00

WITH STAINLESS STEEL PLATES

A007D

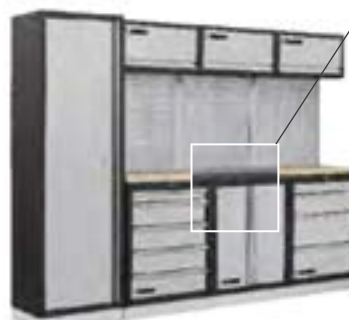
€ 3010,00

WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner

- 3 WALL CABINET WITH SPRING GAS [A007/01]
- 1 TALL CABINET WITH 3 SHELVES [A007/02]
- 1 DOOR CABINET WITH ONE SHELF [A007/03]
- 1 TOOL CABINET WITH 4 DRAWERS ON BALL BEARING SLIDE [A007/04]
- 1 TOOL CABINETS WITH 5 DRAWERS ON BALL BEARING SLIDES [A007/05]
- 3 PANELS CONNECTORS [A007/07]
- 1 WOOD PLATE [A007/09]
- 3 HANGING PANELS [A007/10]
- 1 HALF PANEL CONNECTOR [A007/11]

Dimensions 2640 x 498 x 2000h mm



A008D € 3150,00

WITH STAINLESS STEEL PLATES

A007E
€ 2480,00
WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner

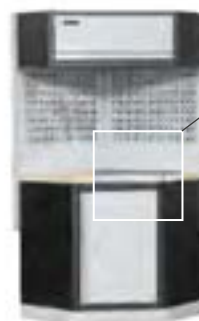
- 3 WALL CABINET WITH SPRING GAS [A007/01]
- 1 TALL CABINET WITH 3 SHELVES [A007/02]
- 1 DOOR CABINET WITH ONE SHELF [A007/03]
- 1 MULTIFUNCTION CABINET [A007/06]
- 3 PANELS CONNECTORS [A007/07]
- 1 WOOD PLATE [A007/09]
- 3 HANGING PANELS [A007/10]
- 1 ROLLING CABINET WITH 7 DRAWERS ON BALL BEARING SLIDE [A007/16]

 Dimensions 2640 x 498 x 2000h mm

A008E
€ 2580,00
WITH STAINLESS STEEL PLATES
A007F
€ 1160,00
CORNER FOR WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner

- 2 PANELS CONNECTORS [A007/07]
- 2 HALF PANEL CONNECTORS [A007/11]
- 2 CORNER HANGING PANELS [A007/12]
- 1 CORNER CABINET [A007/13]
- 1 CORNER WOOD PLATE [A007/14]
- 1 CORNER DOOR CABINET [A007/15]

 Dimensions 864 x 864 x 2000h mm

A008F
€ 1220,00
WITH STAINLESS STEEL PLATES
A007G
€ 2560,00
WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner

- 3 WALL CABINET WITH SPRING GAS [A007/01]
- 1 TALL CABINET WITH 3 SHELVES [A007/02]
- 1 DOOR CABINET WITH ONE SHELF [A007/03]
- 1 MULTIFUNCTION CABINET [A007/06]
- 3 PANELS CONNECTORS [A007/07]
- 1 WOOD PLATE [A007/09]
- 3 HANGING PANELS [A007/10]
- 1 HALF PANEL CONNECTOR [A007/11]
- 1 TOOL CABINETS WITH 7 DRAWERS ON BALL BEARING SLIDES [A007/1]

 Dimensions 2640 x 498 x 2000h mm

A008G
€ 2700,00
WITH STAINLESS STEEL PLATES
A007H
€ 4850,00
WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner

- 5 WALL CABINET WITH SPRING GAS [A007/01]
- 1 TALL CABINETS WITH 3 SHELVES [A007/02]
- 1 DOOR CABINET WITH ONE SHELF [A007/03]
- 1 TOOL CABINET WITH 4 DRAWERS ON BALL BEARING SLIDE [A007/04]
- 1 TOOL CABINET WITH 5 DRAWERS ON BALL BEARING SLIDE [A007/05]
- 1 MULTI FUNCTION CABINET [A007/06]
- 6 PANELS CONNECTORS [A007/07]
- 1 WOOD PLATE [A007/08]
- 1 WOOD PLATE [A007/09]
- 5 HANGING PANELS [A007/10]
- 3 HALF PANEL CONNECTORS [A007/11]
- 2 CORNER HANGING PANELS [A007/12]
- 1 CORNER CABINET [A007/13]
- 1 CORNER WOOD PLATE [A007/14]
- 1 CORNER DOOR CABINET [A007/15]
- 1 ROLLING CABINET WITH 7 DRAWERS ON BALL BEARING SLIDE [A007/16]


A008H
€ 5100,00
WITH STAINLESS STEEL PLATES

 Dimensions 3500 x 2250 x 2000h mm
 Depth 498 mm



A007I

€ 2320,00

WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner

- 2 WALL CABINET WITH SPRING GAS [A007/01]
- 1 TALL CABINETS WITH 3 SHELVES [A007/02]
- 1 MULTI FUNCTION CABINET [A007/06]
- 2 PANELS CONNECTORS [A007/07]
- 1 WOOD PLATE [A007/08]
- 2 HANGING PANELS [A007/10]
- 1 HALF PANEL CONNECTOR [A007/11]
- 1 TOOL CABINET WITH 7 DRAWERS ON BALL BEARING SLIDE [A007/17]

Dimensions 1960 x 498 x 2000h mm



A008I

€ 2430,00

WITH STAINLESS STEEL PLATES

A007L

€ 5110,00

WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner

- 4 WALL CABINET WITH SPRING GAS [A007/01]
- 2 TALL CABINETS WITH 3 SHELVES [A007/02]
- 1 DOOR CABINET WITH ONE SHELF [A007/03]
- 1 TOOL CABINET WITH 4 DRAWERS ON BALL BEARING SLIDE [A007/04]
- 1 MULTI FUNCTION CABINET [A007/06]
- 6 PANELS CONNECTORS [A007/07]
- 2 WOOD PLATES [A007/08]
- 4 HANGING PANELS [A007/10]
- 2 HALF PANEL CONNECTORS [A007/11]
- 2 CORNER HANGING PANELS [A007/12]
- 1 CORNER CABINET [A007/13]
- 1 CORNER WOOD PLATE [A007/14]
- 1 CORNER DOOR CABINET [A007/15]
- 1 TOOL CABINET WITH 7 DRAWERS ON BALL BEARING SLIDE [A007/17]



A008L

€ 5380,00

WITH STAINLESS STEEL PLATES

Dimensions 2800 x 2800 x 2000h mm
Depth 498 mm

A007M

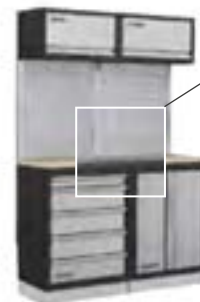
€ 1560,00

WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner

- 2 WALL CABINET WITH SPRING GAS [A007/01]
- 1 DOOR CABINET WITH ONE SHELF [A007/03]
- 1 TOOL CABINET WITH 5 DRAWERS ON BALL BEARING SLIDE [A007/05]
- 2 PANELS CONNECTORS [A007/07]
- 1 WOOD PLATE [A007/08]
- 2 HANGING PANELS [A007/10]
- 2 HALF PANEL CONNECTORS [A007/11]

Dimensions 1360 x 498 x 2000h mm



A008M

€ 1650,00

WITH STAINLESS STEEL PLATES

A007N

€ 2510,00

WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner

- 3 WALL CABINET WITH SPRING GAS [A007/01]
- 1 DOOR CABINET WITH ONE SHELF [A007/03]
- 1 TOOL CABINET WITH 4 DRAWERS ON BALL BEARING SLIDE [A007/04]
- 1 TOOL CABINET WITH 5 DRAWERS ON BALL BEARING SLIDE [A007/05]
- 3 PANELS CONNECTORS [A007/07]
- 1 WOOD PLATE [A007/09]
- 3 HANGING PANELS [A007/10]
- 2 HALF PANEL CONNECTORS [A007/11]

Dimensions 2040 x 498 x 2000h mm



A008N

€ 2630,00

WITH STAINLESS STEEL PLATES

A007P
€ 4700,00
WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner

- 4 WALL CABINET WITH SPRING GAS [A007/01]
- 2 TALL CABINETS WITH 3 SHELVES [A007/02]
- 1 DOOR CABINET WITH ONE SHELF [A007/03]
- 1 MULTIFUNCTION CABINET [A007/06]
- 5 PANELS CONNECTORS [A007/07]
- 1 WOOD PLATE [A007/09]
- 4 HANGING PANELS [A007/10]
- 1 TOOL CABINET WITH 7 DRAWERS ON BALL BEARING SLIDES [A007/16]
- 1 WOOD PLATE [A007/19]
- 1 TOOL CABINET WITH 9 DRAWERS ON BALL BEARING SLIDES [A007/20]

Dimensions 3920 x 498 x 2000h mm

A008P
€ 4910,00
WITH STAINLESS STEEL PLATES

A007Q
€ 2430,00
WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner

- 2 WALL CABINET WITH SPRING GAS [A007/01]
- 1 TALL CABINET WITH 3 SHELVES [A007/02]
- 1 TOOL CABINET WITH 4 DRAWERS ON BALL BEARING SLIDE [A007/04]
- 2 PANELS CONNECTORS [A007/07]
- 1 WOOD PLATE [A007/08]
- 2 HANGING PANELS [A007/10]
- 1 HALF PANEL CONNECTOR [A007/11]
- 1 TOOL CABINET WITH 9 DRAWERS ON BALL BEARING SLIDE [A007/20]

Dimensions 1960 x 498 x 2000h mm

A008Q
€ 2530,00
WITH STAINLESS STEEL PLATES

A007R
€ 1040,00
WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner

- 1 WALL CABINET WITH SPRING GAS [A007/01]
- 2 PANELS CONNECTORS [A007/07]
- 1 HANGING PANEL [A007/10]
- 2 HALF PANEL CONNECTORS [A007/11]
- 1 WOOD PLATE [A007/19]
- 1 TOOL CABINET WITH 9 DRAWERS ON BALL BEARING SLIDE [A007/20]

Dimensions 680 x 498 x 2000h mm

A008R
€ 1100,00
WITH STAINLESS STEEL PLATES

A007S
€ 2820,00
WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner

- 3 WALL CABINET WITH SPRING GAS [A007/01]
- 1 TALL CABINET WITH 3 SHELVES [A007/02]
- 1 DOOR CABINET WITH ONE SHELF [A007/03]
- 3 PANELS CONNECTORS [A007/07]
- 1 WOOD PLATE [A007/09]
- 3 HANGING PANELS [A007/10]
- 1 HALF PANEL CONNECTOR [A007/11]
- 1 TOOL CABINETS WITH 9 DRAWERS ON BALL BEARING SLIDES [A007/20]
- 1 TROLLEY WITH 3 SHELVES [A007/22]

Dimensions 2640 x 498 x 2000h mm

A008S
€ 2920,00
WITH STAINLESS STEEL PLATES




A007T

€ 2250,00

WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner

- 2 WALL CABINET WITH SPRING GAS [A007/01]
- 1 DOOR CABINET WITH ONE SHELF [A007/03]
- 1 TOOL CABINETS WITH 5 DRAWERS ON BALL BEARING SLIDES [A007/05]
- 2 PANELS CONNECTORS [A007/07]
- 1 WOOD PLATE [A007/08]
- 2 HANGING PANELS [A007/10]
- 1 HALF PANEL CONNECTOR [A007/11]
- 1 2 DOOR TALL CABINET WITH 3 SHELVES [A007/23]

Dimensions 2275 x 498 x 2000h mm



A008T

€ 2350,00

WITH STAINLESS STEEL PLATES

A007U

€ 2960,00

WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner

- 3 WALL CABINET WITH SPRING GAS [A007/01]
- 1 TALL CABINET WITH 3 SHELVES [A007/02]
- 1 DOOR CABINET WITH ONE SHELF [A007/03]
- 3 PANELS CONNECTORS [A007/07]
- 1 WOOD PLATE [A007/09]
- 3 HANGING PANELS [A007/10]
- 1 HALF PANEL CONNECTOR [A007/11]
- 1 TOOL CABINET WITH 7 DRAWERS ON BALL BEARING SLIDES [A007/17]
- 1 HOSE REELS CABINET [A007/18]

Dimensions 2640 x 498 x 2000h mm



A008U

€ 3080,00

WITH STAINLESS STEEL PLATES

A007UF

€ 3240,00

WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner

- 3 WALL CABINET WITH SPRING GAS [A007/01]
- 1 TALL CABINET WITH 3 SHELVES [A007/02]
- 1 DOOR CABINET WITH ONE SHELF [A007/03]
- 3 PANELS CONNECTORS [A007/07]
- 1 WOOD PLATE [A007/09]
- 3 HANGING PANELS [A007/10]
- 1 HALF PANEL CONNECTOR [A007/11]
- 1 TOOL CABINET WITH 7 DRAWERS ON BALL BEARING SLIDES [A007/17]
- 1 HOSE REELS CABINET [A007/18]
- 1 AUTO RE-ENTERING CABLE REEL [0621/A3]
- 1 AUTO REWIND AIR HOSE REEL [0481/15]

Dimensions 2640 x 498 x 2000h mm



A008UF

€ 3340,00

WITH STAINLESS STEEL PLATES



A007V

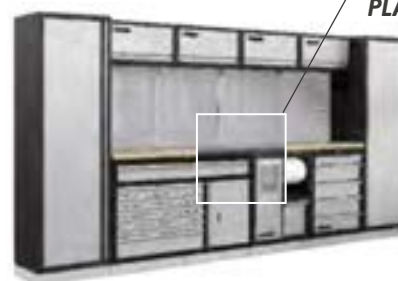
€ 4700,00

WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner

- 4 WALL CABINET WITH SPRING GAS [A007/01]
- 2 TALL CABINETS WITH 3 SHELVES [A007/02]
- 1 TOOL CABINET WITH 5 DRAWERS ON BALL BEARING SLIDES [A007/05]
- 1 MULTIFUNCTION CABINET [A007/06]
- 5 PANELS CONNECTORS [A007/07]
- 1 WOOD PLATE [A007/08]
- 4 HANGING PANELS [A007/10]
- 1 LARGE AMERICAN TOOL CABINET [A007/21]

Dimensions 3920 x 498 x 2000h mm



A008V

€ 4890,00

WITH STAINLESS STEEL PLATES

A007/02 € 624,00

TALL CABINET

With 3 shelves



Dimensions	600 x 458 x 2000 mm
Door dimensions	510 x 1810 mm
Internal depth	410 mm
Maximum capacity	180 kg

A007/23 € 791,00

2 DOOR TALL CABINET

With 3 shelves



Dimensions	915 x 458 x 2000 mm
Door dimensions	510 x 1810 mm
Internal depth	410 mm
Maximum capacity	300 kg

A007/03 € 313,00

DOOR CABINET

With one shelf



Dimensions	680 x 458 x 910 mm
Door dimensions	710 x 295 mm
Internal depth	445 mm
Maximum capacity	60 kg

A007/06 € 394,00

MULTIFUNCTION CABINET



Dimensions	680 x 458 x 910 mm
Door dimensions	710 x 295 mm
Internal depth	445 mm
Drawer dimensions	240 x 300 mm
Maximum paper roll height	240 mm
Maximum capacity	90 kg

A007/18 € 481,00

HOSE REELS CABINET



Dimensions	680 x 458 x 910 mm
Drawer capacity	30 kg

A007/04 € 504,00

TOOL CABINET WITH 4 DRAWERS

On ball bearing slide



Dimensions	680 x 458 x 910 mm
Drawer dimensions	550 x 400 mm
Drawers height	1 x 68 mm - 1 x 145 mm - 2 x 214 mm
Drawer capacity	30 kg

A007/05 € 539,00

TOOL CABINET WITH 5 DRAWERS

On ball bearing slide



Dimensions	680 x 458 x 910 mm
Drawer dimensions	550 x 400 mm
Drawers height	1 x 68 mm - 4 x 145 mm
Drawer capacity	30 kg

A007/17 € 580,00

TOOL CABINET WITH 7 DRAWERS

On ball bearing slide



Dimensions	680 x 458 x 910 mm
Drawer dimensions	550 x 400 mm
Drawers height	5 x 74.5 mm - 2 x 153.5 mm
Drawer capacity	30 kg



A007/20 € 664,00

TOOL CABINET WITH 9 DRAWERS

On ball bearing slide



Dimensions	680 x 458 x 910 mm
Drawer dimensions	550 x 400 mm
Drawers height	9 x 74,5 mm
Drawer capacity	30 kg

A007/16 € 624,00

ROLLING CABINET

With 7 drawers on ball bearing slide



Dimensions	660 x 455 x 860 mm
Drawer dimensions	525 x 400 mm
Internal depth	6 x 68 mm - 1 x 145 mm
Drawer capacity	30 kg

A007/21 € 1140,00

LARGE AMERICAN TOOL CABINET

With stainless steel top



Dimensions	1360 x 458 x 948,5 mm
Door dimensions	535 x 430 mm
Drawer dimensions	1 - 1285 x 400 mm 6 - 810 x 400 mm
Drawers height	1 x 123,5 mm - 5 x 74,5 mm - 1 x 153,5 mm
Drawer capacity	30 kg

A007/10 € 88,60

HANGING PANEL



Dimensions	1052 x 614,5 x 24 mm
Maximum capacity	10 kg

A007/22 € 253,00

TROLLEY

With 3 shelves



Dimensions	648 x 458 x 865 mm
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A007/21 € 1040,00

LARGE AMERICAN TOOL CABINET

With wooden top



Dimensions	1360 x 458 x 945 mm
Door dimensions	535 x 430 mm
Drawer dimensions	1 - 1285 x 400 mm 6 - 810 x 400 mm
Drawers height	1 x 123,5 mm - 5 x 74,5 mm - 1 x 153,5 mm
Drawer capacity	30 kg

A007/01 € 180,00

WALL CABINET

With spring gas



Dimensions	680 x 281 x 350 mm
Door dimensions	610 x 280 mm
Internal depth	280 mm
Maximum capacity	15 kg

A007/07 € 22,20

PANELS CONNECTOR



A007/11 € 20,00

HALF PANEL CONNECTOR



A007-xP

WORK PLATES

Art.	€	Module	Material	Dimensions	Thickness
A007/08	€ 162,00	2	Wood	1360 x 460 mm	35 mm
A007/08I	€ 263,00	2	Stainless steel	1360 x 460 mm	35 mm
A007/09	€ 256,00	3	Wood	2040 x 460 mm	35 mm
A007/09I	€ 373,00	3	Stainless steel	2040 x 460 mm	35 mm
A007/19	€ 91,80	1	Wood	680 x 460 mm	35 mm
A007/19I	€ 158,00	1	Stainless steel	680 x 460 mm	35 mm



A007/LED

€ 41,10

LED LIGHT FOR WORKSHOP MODULAR FURNITURES

With bi-adhesive tape, to be used in coupling with A007/Led/C charger. Two Led strips can be connected in series.



Box

A007/LED/C

€ 18,00

LED LIGHT POWER SUPPLY



Box

P40VD

€ 10,00

FOOTBOARDS

Mountable polypropylene, green draining self locking footboard



Dimensions 400 x 400 x 48 mm
Pcs. - Pallet 120 = 20 m2

PSV-F

€ 7,20

POLYPROPYLENE SLIDE

Mountable for footboards, green, female (without hooks)



Dimensions 205 x 400 x 48 mm

PSV-M

€ 7,20

POLYPROPYLENE SLIDE

Mountable for footboards, green, male (with hooks)



Dimensions 205 x 400 x 48 mm

PAV

€ 10,10

CORNER SLIDES

For mountable polypropylene footboards, kit of 4 green corner slides



4 Pcs

Dimensions 200 x 200 x 270 x 48 mm



B015 € 548,00

STEEL WORKBENCH KIT

With steel top and two lockable drawers



Bench dimensions	1500 x 645 x 865h mm
Legs thickness	1 mm
Plate thickness	2 mm
Capacity	800 kg
Drawer dimensions	433 x 347 x 122h mm
Drawer capacity	30 kg
Net weight	62 kg

B015/10 € 306,00

WORKBENCH KIT

With steel top and lockable drawer



Dimensions	1000 x 640 x 865h mm
Legs thickness	2 mm
Plate thickness	2 mm
Capacity	600 kg
Drawer dimensions	433 x 347 x 122h mm
Drawer capacity	30 kg
Net weight	55 kg

B022/10 € 358,00

WORKBENCH KIT

With wood press top and a lockable drawer



Dimensions	1000 x 640 x 865h mm
Legs thickness	2 mm
Plate thickness	38 mm
Capacity	350 kg
Drawer dimensions	400 x 344 x 125h mm
Drawer capacity	50 kg
Net weight	47 kg

B022/15 € 516,00

WORKBENCH KIT

With wood press top and 2 lockable drawers



Dimensions	1500 x 640 x 865h mm
Legs thickness	2 mm
Plate thickness	38 mm
Capacity	350 kg
Drawer dimensions	400 x 344 x 125h mm
Drawer capacity	50 kg
Net weight	75 kg

B017 € 364,00

WORKBENCH KIT



Bench dimensions	1524 x 650 x 845h mm
Legs thickness	1,0 mm
Plate thickness	40 mm
Capacity	280 kg
Net weight	42,5 kg

B017/C € 73,80

DRAWER RACK WITH LOCK

On ball bearing made of steel, suitable to benches of other brands



Overall dimensions	680 x 270 x 130 mm
Internal dimensions	640 x 260 x 90 mm
Capacity	18,5 kg
Net weight	4,3 kg

B009/A1 € 516,00

WORKBENCH KIT

With wood press top, 3 lockable drawers, 1 shelf and adjustable feet



Dimensions	1200 x 600 x 865h mm
Legs thickness	2 mm
Plate thickness	36 mm
Capacity	350 kg
Net weight	62 kg

B009/B1 € 601,00

WORKBENCH KIT

With wood press top, 3 lockable drawers, 1 shelf with door and adjustable feet



Dimensions	1200 x 600 x 865h mm
Legs thickness	2 mm
Plate thickness	36 mm
Capacity	350 kg
Net weight	64,5 kg

B009/A2 € 813,00

WORKBENCH KIT

With wood press top, 3 lockable drawers, 1 door and shelf and adjustable feet



Dimensions	1690 x 600 x 865 mm
Legs thickness	2 mm
Plate thickness	36 mm
Capacity	350 kg
Net weight	84 kg

B009/B2 € 854,00

WORKBENCH KIT

With wood press top, 3 lockable drawers, 2 shelves with door and adjustable feet



Dimensions	1690 x 600 x 865 mm
Legs thickness	2 mm
Plate thickness	36 mm
Capacity	350 kg
Net weight	90 kg

B019 € 548,00

FOLDABLE HEAVY DUTY WORKBENCH

Made of steel, tear down structure with 2 powerful gas struts, peg board 1195 x 458 x 20 mm, main leg height 1380mm, total width for the product 1280mm, depth of the open/close product 648/130mm at a height of 330mm, auto-lock with handle in the corner of top plate, peg board with holes Ø 4mm, distance between centers holes 25mm for hooks with wire Ø 3mm.



Plate Dimensions	1195 x 648 x 41 mm
Slot distance	25 mm
Capacity	225 kg
Net weight	45 kg

B019/G030 € 11,50

HOOK SET



10 Pcs

Length	30 mm
Pins center distance	25 mm



Gx

HOOKS SET



10 Pcs

Art.	€	Pins center distance	Length
G050	€ 11,50	30 mm	80 mm
G130	€ 16,10	30 mm	155 mm





P009 € 191,00

WALLCABINET KIT



Cabinet dimensions	1200 x 200 x 600h mm
Steel thickness	0,8 mm
Internal shelves	4
Hooks	18 (6 + 6 + 6)
Slot distance	30 mm
Net weight	17 kg

A100 € 275,00

CABINET

With 1 drawer, slide on bearing with locking device



Cabinet dimensions	500 x 460 x 1000h mm
Steel thickness	1 mm
Internal shelves	2
Maximum capacity	100 kg
Shelf capacity	25 kg
Net weight	35 kg

A300 € 440,00

CABINET

With 2 drawers, slide on ball bearing with locking device



Cabinet dimensions	1000 x 460 x 1000h mm
Steel thickness	1 mm
Internal shelves	2
Maximum capacity	150 kg
Shelf capacity	25 kg
Net weight	62 kg

C800 **PRO** € 947,00

TOOL CABINET

With 8 drawers, slide on bearing with locking device, without internal dividers



Drawer capacity	50 kg
External Dimensions	630 x 550 x 930h mm
Drawer dimensions	517 x 440 mm
Drawers height	8 x 73 mm
Net weight	58 kg

C600 **PRO** € 764,00

TOOL CABINET

With 6 drawers, slide on bearing with locking device, without internal dividers



Drawer capacity	50 kg
External Dimensions	630 x 550 x 930h mm
Drawer dimensions	517 x 440 mm
Drawers height	6 x 115 mm
Net weight	53 kg

C603 **PRO** € 920,00

TOOL CABINET

With 6 drawers, slide on bearing with locking device, without internal dividers



Drawer capacity	50 kg
External Dimensions	630 x 550 x 930h mm
Drawer dimensions	517 x 440 mm
Drawers height	3 x 73 mm - 2 x 115 mm - 1 x 175 mm
Net weight	53,5 kg

C800- PRO

"A" DRAWER DIVIDERS

Example dividers setting



Art.	€	Longitudinal divider	Transversal divider
C800/CC	€ 56,70	440 x 70h mm	-
C800/LL	€ 62,40	-	517 x 70h mm

C600- PRO

"B" DRAWER DIVIDERS

Example dividers setting



Art.	€	Longitudinal divider	Transversal divider
C600/C	€ 123,00	440 x 110h mm	-
C600/L	€ 28,40	-	120 x 110h mm

C603- PRO

"C" DRAWER DIVIDERS

Example dividers setting

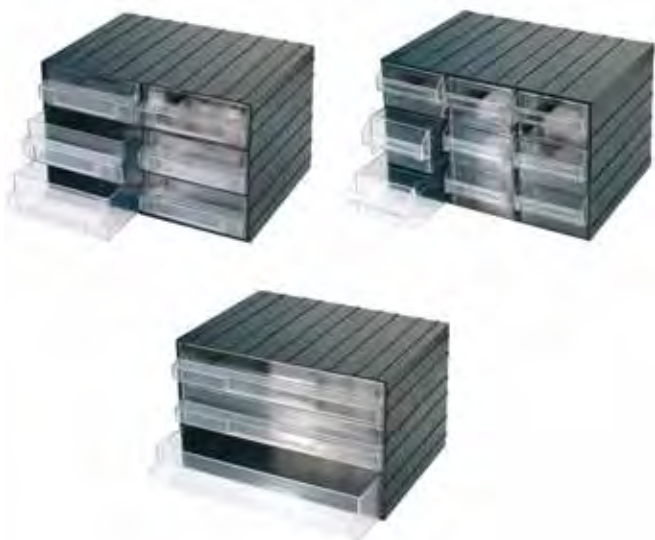


Art.	€	Longitudinal divider	Transversal divider
C603/C	€ 162,00	440 x 165h mm	-
C603/L	€ 33,90	-	120 x 165h mm

C080-

DRAWER UNITS WITH TRANSPARENT PULL-OUT DRAWERS

Modular and stackable



Art.	€	External Dimensions	Drawer dimensions	Drawers number
C080/3	€ 61,00	382 x 290 x 230h mm	372 x 285 x 73h mm	3
C080/6	€ 60,60	382 x 290 x 230h mm	184 x 285 x 73h mm	6
C080/9	€ 61,80	382 x 290 x 230h mm	122 x 285 x 73h mm	9

C700 € 618,00

STEEL STORAGE CHEST WITH PLASTIC CASES

Lower box with key lock and upper zone with 7 tool boxes with central lock 4 x C360 + 3 x C371.



Dimensions	490 x 343 x 987h mm
Net weight	27 kg

C085-

DRAWER UNITS WITH TRANSPARENT PULL-OUT DRAWERS

Modular and stackable



Art.	€	External Dimensions	Drawer dimensions	Drawers number
C085/12	€ 37,00	382 x 148 x 230h mm	122 x 145 x 55h mm	12
C085/16	€ 37,00	382 x 148 x 230h mm	90 x 145 x 55h mm	16
C085/24	€ 41,60	382 x 148 x 230h mm	59 x 145 x 55h mm	24



C086/01C

€ 16,80

MODULAR DRAWER UNIT WITH PULL-OUT DRAWERS

Connectable with other drawers through guides to create infinite combinations. Equipped with drawer locking to prevent the contents from accidentally falling and rear fixing holes for wall mounting. Made of resistant plastic, it is suitable for use in the construction site, at home and in the workshop.



Dimensions	295 x 165 x 200h mm
Drawers number	1
Drawer dimensions	250 x 150 x 150 mm



C086/01T

€ 16,80

MODULAR DRAWER UNIT WITH PULL-OUT TRAYS

Connectable with other drawers through guides to create infinite combinations. Equipped with trays locking to prevent the contents from accidentally falling and rear fixing holes for wall mounting. Made of resistant plastic, it is suitable for use in the construction site, at home and in the workshop.



Dimensions	295 x 165 x 200h mm
Drawers number	1
Drawer dimensions	250 x 160 x 150 mm

C086/02C

€ 19,00

MODULAR DRAWER UNIT WITH PULL-OUT DRAWERS

Connectable with other drawers through guides to create infinite combinations. Equipped with drawer locking to prevent the contents from accidentally falling and rear fixing holes for wall mounting. Made of resistant plastic, it is suitable for use in the construction site, at home and in the workshop.



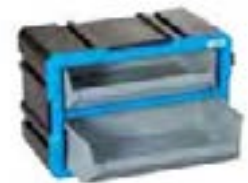
Dimensions	295 x 165 x 200h mm
Drawers number	2
Drawer dimensions	250 x 160 x 70 mm

C086/02T

€ 19,50

MODULAR DRAWER UNIT WITH PULL-OUT TRAYS

Connectable with other drawers through guides to create infinite combinations. Equipped with trays locking to prevent the contents from accidentally falling and rear fixing holes for wall mounting. Made of resistant plastic, it is suitable for use in the construction site, at home and in the workshop.



Dimensions	295 x 165 x 200h mm
Drawers number	2
Drawer dimensions	250 x 160 x 70 mm

C086/04C

€ 20,00

MODULAR DRAWER UNIT WITH PULL-OUT DRAWERS

Connectable with other drawers through guides to create infinite combinations. Equipped with drawer locking to prevent the contents from accidentally falling and rear fixing holes for wall mounting. Made of resistant plastic, it is suitable for use in the construction site, at home and in the workshop.



Dimensions	300 x 200 x 165 mm
Drawers number	4
Drawer dimensions	120 x 160 x 70 mm

C086/04T

€ 22,20

MODULAR DRAWER UNIT WITH PULL-OUT TRAYS

Connectable with other drawers through guides to create infinite combinations. Equipped with trays locking to prevent the contents from accidentally falling and rear fixing holes for wall mounting. Made of resistant plastic, it is suitable for use in the construction site, at home and in the workshop.



Dimensions	295 x 165 x 200h mm
Drawers number	4
Drawer dimensions	120 x 160 x 70 mm

C086/12C

€ 23,20

MODULAR DRAWER UNIT WITH PULL-OUT DRAWERS

Connectable with other drawers through guides to create infinite combinations. Equipped with drawer locking to prevent the contents from accidentally falling and rear fixing holes for wall mounting. Made of resistant plastic, it is suitable for use in the construction site, at home and in the workshop.



Dimensions	295 x 165 x 200h mm
Drawers number	12
Drawer dimensions	60 x 160 x 50 mm

C086/04C/D

NEW € 1,90

DIVIDER KIT FOR MODULAR DRAWER UNIT



4 Pcs

Dimensions	111 x 63 mm
Pack	5

C086/12C/D

NEW € 3,04

DIVIDER KIT FOR MODULAR DRAWER UNIT



12 Pcs

Dimensions	49.5 x 41 mm
Pack	5

C090-

UNIVERSAL STORAGE BIN

Modular and stackable



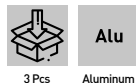
Art.	€	Dimensions
C090/2	€ 2,66	108 x 167 x 75h mm
C090/3	€ 5,30	151 x 237 x 126h mm
C090/4	€ 11,80	213 x 350 x 164h mm
C090/5	€ 19,50	310 x 490 x 190h mm
C090/6	€ 39,20	380 x 610 x 250h mm

0849

€ 239,00

ALUMINUM CASE SET

Ergonomic handles and lock with key.



Cases dimensions	730 x 380 x 360h mm - 680 x 310 x 320h mm - 475 x 260 x 210h mm
Net weight	14 kg

C087

€ 228,00

TOOL ROLLING CABINET

Separable into 3 pieces.



Dimensions	560 x 350 x 770h mm
Capacity	40 kg
Net weight	14 kg



0382-

ALUMINUM CASE

With key lock.



Art.	€	External Dimensions	Internal dimensions	Net weight
0382	€ 1000,00	760 x 335 x 250h mm, 1240 x 385 x 385h mm, 1445 x 520 x 460h mm	710 x 285 x 225h mm, 1185 x 335 x 365h mm, 1395 x 435 x 440h mm	40 kg
0382/02	€ 180,00	760 x 335 x 250h mm	745 x 310 x 225h mm	6 kg
0382/03	€ 306,00	1240 x 385 x 385h mm	1185 x 335 x 365h mm	14 kg
0382/04	€ 543,00	1445 x 520 x 460h mm	1405 x 365 x 440h mm	21 kg

0363-

3 PCS STEEL CASE SET

Padlockable.



Art.	€	External Dimensions	Internal dimensions	Net weight
0363	€ 1040,00	770 x 420 x 305h mm, 915 x 440 x 565h mm, 1220 x 620 x 700h mm	750 x 400 x 300h mm, 825 x 350 x 430h mm, 1130 x 520 x 600h mm	107 kg
0363/30	€ 190,00	770x420x305h mm	750 x 400 x 300h mm	14,5 kg
0363/36	€ 243,00	915 x 440 x 565h mm	825 x 350 x 430h mm	35 kg
0363/48	€ 686,00	1220 x 620 x 700h mm	1130 x 520 x 600h mm	57 kg



C670 € 1170,00

TOOL ROLLING CABINET

Composed of 6 ball bearing drawers, 1 large storage with door compartment and 2 drawers, 2 swivel and 2 fixed casters, paper-roll dispenser equipped



Dimensions	1200 x 460 x 1060h mm
Plate Dimensions	1020 x 455 x 15h mm
Cabinet dimensions	320 x 410 x 630h mm
Cabinet drawers	n°2 290 x 400 x 65h mm
Drawer capacity	25 kg
Drawer dimensions	1 - 900 x 405 mm 5 - 535 x 405 mm
Drawers height	1 x 85 mm - 1 x 40 mm - 2 x 70 mm - 1 x 150 mm - 1 x 230 mm
Net weight	97 kg

C980 € 1030,00

TOOL ROLLING CABINET

7 drawers, with 2 side storage compartments , ball bearing equipped drawers with central lock, 12 hooks and 10 plastic bins included, 2 swivel and 2 fixed casters



Drawer capacity	25 kg
Tool cabinet size	890 x 530 x 1030h mm
Drawer dimensions	565 x 405 mm
Drawers height	3 x 50 mm - 3 x 105 mm - 1 x 165 mm
Net weight	100 kg

C190 € 791,00

7 DRAWERS ROLLER CABINET

With anti-rolling system. it's possible to open only one drawer at one time; worktop made of plastic and wood with practical compartments, retractable shelf and integrated both side bottles or tool holders, screwdrivers compartment



External Dimensions	1000 x 470 x 920h mm
Drawer dimensions	560 x 400 mm
Drawers height	1 x 170 mm - 2 x 40 mm - 4 x 60 mm
Net weight	73 kg

C960/F6 € 538,00

TOOL ROLLING CABINET WITH 6 DRAWERS

Ball bearing equipped safety drawers with central locking, paper dispenser and tray, 2 swivel and 2 fixed casters



Dimensions	890 x 458 x 994 mm
Drawer dimensions	565 x 405 mm
Drawers height	3 x 65 mm - 3 x 145 mm
Drawer capacity	25 kg
Net weight	61 kg

C960/F7 € 591,00

TOOL ROLLING CABINET WITH 7 DRAWERS

Ball bearing equipped safety drawers with central locking, paper dispenser and tray, 2 swivel and 2 fixed casters



Dimensions	890 x 458 x 994 mm
Drawer dimensions	565 x 405 mm
Drawers height	5 x 65 mm - 2 x 145 mm
Drawer capacity	25 kg
Net weight	62 kg

C960/F8 € 643,00

TOOL ROLLING CABINET WITH 8 DRAWERS

Ball bearing equipped safety drawers with central locking, paper dispenser and tray, 2 swivel and 2 fixed casters



Dimensions	890 x 458 x 994 mm
Drawer dimensions	565 x 405 mm
Drawers height	7 x 65 mm - 1 x 145 mm
Drawer capacity	25 kg
Net weight	65 kg

C960/B6 € 538,00

TOOL ROLLING CABINET WITH 6 DRAWERS

Ball bearing equipped safety drawers with central locking, paper dispenser and tray, 2 swivel and 2 fixed casters



Dimensions	890 x 458 x 994 mm
Drawer dimensions	565 x 405 mm
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Drawer capacity	25 kg
Net weight	61 kg

C960/B7 € 591,00

TOOL ROLLING CABINET WITH 7 DRAWERS

Ball bearing equipped safety drawers with central locking, paper dispenser and tray, 2 swivel and 2 fixed casters



Dimensions	890 x 458 x 994 mm
Drawer dimensions	565 x 405 mm
Drawers height	5 x 65 mm - 2 x 145 mm
Drawer capacity	25 kg
Net weight	62 kg



C960/B8

€ 643,00

TOOL ROLLING CABINET WITH 8 DRAWERS

Ball bearing equipped safety drawers with central locking, paper dispenser and tray, 2 swivel and 2 fixed casters



Dimensions	890 x 458 x 994 mm
Drawer dimensions	565 x 405 mm
Drawers height	7 x 65 mm - 1 x 145 mm
Drawer capacity	25 kg
Net weight	65 kg

C900/B

€ 438,00

TOOL ROLLING CABINET

Composed of 6 drawers with central locking, 2 swivel and 2 fixed casters



Dimensions	685 x 455 x 850h mm
Drawer capacity	25 kg
Drawer dimensions	585 x 410 mm
Drawers height	2 x 45 mm - 2 x 100 mm - 2 x 150 mm
Net weight	44 kg

C900/A

€ 285,00

TOOL CHEST

With 6 drawers with central lock and portable tray



Dimensions	660 x 322 x 380h mm
Drawer dimensions	2 174 x 285 mm - 1 232 x 285 mm - 3 580 x 285 mm
Drawers height	5 x 45 mm - 1 x 70 mm
Net weight	22 kg

C902/B

€ 349,00

TOOL ROLLING CABINET

Composed of 3 drawers roll-wagon with central locking, 2 swivel and 2 fixed casters

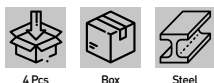
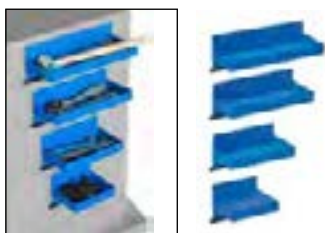


Compartment dimensions	575 x 430 x 315h mm
Dimensions	680 x 435 x 780h mm
Drawer capacity	25 kg
Net weight	27 kg

0466/4V € 35,40

MAGNETIC TOOL TRAY SET

Made of painted steel, to organize the best working place



Overall dimensions	310 x 130 x 120h mm; 270 x 130 x 120h mm; 210 x 130 x 120h mm; 150 x 130 x 120h mm
Capacity	1,17 kg; 1 kg; 0,77 kg; 0,6 kg
Steel thickness	0,7 mm

0466/PB € 8,50

MAGNETIC SOCKETS HOLDER

Made of painted steel, to organize the best working place



Overall dimensions	280 x 45 x 90h mm
Sockets sizes	1/4" - 3/8" - 1/2"
Steel thickness	0,9 mm

0323/45 € 49,10

TOOL CHEST

With 5 trays.



Dimensions	450 x 200 x 205 h mm
Net weight	4 kg

0423/1 € 32,80

TOOL BOX

With 16 small and 4 middle plastic removable trays, ideal for storing small parts. Small plastic trays dimensions: 54 x 52 x 43h mm, middle plastic trays dimensions: 54 x 105 x 43h mm. The box has two safety locks to prevent the involuntary overthrow of the hardware.



Dimensions	334 x 240 x 45 mm
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0466/CV € 14,80

MAGNETIC HANGING TRAY WITH SCREWDRIVERS HOLDER

Made of painted steel, to organize the best working place



Dimensions	360 x 130 x 110h mm
Drawer dimensions	305 x 115 x 30h mm
Holes	6 x Ø 10 mm
Capacity	3.18 kg
Steel thickness	1 mm

0466/SC € 16,80

3 HOLE MAGNETIC SPRAY CANS AND 7 SCREWDRIVERS HOLDER

Made of painted steel, to organize the best working place



Overall dimensions	130 x 300 x 130h mm
Holes	3 x Ø 75 mm; 2 x Ø 12 mm; 1 x Ø 11 mm; 1 x Ø 10 mm; 1 x Ø 9 mm; 2 x Ø 7,5 mm
Capacity	1,19 kg
Steel thickness	0,8 mm

0323/55 € 55,70

TOOL CHEST

With 5 trays.



Dimensions	550 x 200 x 205h mm
Net weight	4,5 kg

0423/2 € 38,70

TOOL BOX

With 29 small and 3 middle removable plastic trays, ideal for storing small parts. Small plastic trays dimensions: 54 x 52 x 43h mm, middle plastic trays dimensions: 54 x 105 x 43h mm. The box has a central safety lock to prevent the overthrow of the hardware.



Dimensions	388 x 295 x 45 mm
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0422-

POLYPROPYLENE BLISTER SET

Useful for storing small items such as screws, bolts, nuts, small hooks, nails



Plastic
made in Italy

Art.	€	Dimensions
0422/B1	€ 9,20	65 x 47 x 30 mm
0422/B3	€ 16,10	75 x 60 x 40mm

C312

€ 8,50

TOOL ORGANIZER BOX

With 21 compartments and movable dividers, for storing larger items than the original magazine



Plastic

Dimensions 320 x 260 x 50 mm

C315

€ 13,20

TOOL ORGANIZER BOX

With 21 compartments and movable dividers, for storing larger items than the original magazine



Plastic

Dimensions 380 x 310 x 60 mm

C313

€ 73,80

RACK WITH 4 PLASTIC TOOL ORGANIZER BOXES

Modular, with 13 extractable containers of various sizes, equipped with lateral insets for stacking and rear holes for wall fixing



Plastic

Dimensions 377 x 265 x 310 mm

C360

€ 24,90

TOOL BOX

With 23 compartments and 16 removable dividers



Plastic
made in Italy

Dimensions 443 x 317 x 80h mm

C371

€ 40,60

TOOL BOX

With removable 2 big trays, 3 medium trays, 6 small trays



Plastic
made in Italy

Dimensions 443 x 317 x 107h mm

C163

€ 15,30

TOOL-BOX

16", lockable, with 1 movable shelf and 2 compartments for motion work in the lid



PP
Polyprop.
made in Italy

Dimensions 394 x 160 x 195h mm

C165

€ 29,00

TOOL-BOX

20", with 1 movable shelf and 2 compartments for motion work in the lid



PP
Polyprop.
made in Italy

Dimensions 514 x 225 x 260h mm

C648 € 56,20

TOOL BOX

With movable shelf



Box	
Dimensions	510 x 280 x 220h mm

M13x

WATERPROOF TOOL CASE

Built in pressure valve with cubed-foam interior to protect the objet stored. it is ideal for instruments and test equipment



Art.	€	External Dimensions	Internal dimensions	Net weight
M138	€ 66,80	465 x 360 x 175h mm	425 x 287 x 115h mm	2,9 kg
M139	€ 91,60	570 x 410 x 215h mm	505 x 353 x 140h mm	4,5 kg

M300/B € 89,60

WATERPROOF TOOL CASE

Built in pressure valve with cubed-foam interior to protect the objet stored. the superior protection from the elements, water , dust and impacts, make it suitable for a wide array of sectors and applicazions.



External Dimensions	336 x 300 x 148 mm
Internal dimensions	300 x 225 x 132 mm
Internal volume	8.91 l
Working temperature	-30 / 90°C (-22 / 194°F)
Net weight	1,6 kg

M430/B € 121,00

WATERPROOF TOOL CASE

Built in pressure valve with cubed-foam interior to protect the objet stored. the superior protection from the elements, water , dust and impacts, make it suitable for a wide array of sectors and applicazions.



External Dimensions	464 x 366 x 176 mm
Internal dimensions	426 x 290 x 159 mm
Internal volume	19.64 l
Working temperature	-30 / 90°C (-22 / 194°F)
Net weight	2,8 kg

M505/B € 185,00

WATERPROOF TOOL CASE

Built in pressure valve with cubed-foam interior to protect the objet stored. the superior protection from the elements, water , dust and impacts, make it suitable for a wide array of sectors and applicazions.



External Dimensions	555 x 428 x 211 mm
Internal dimensions	500 x 350 x 194 mm
Internal volume	33.95 l
Working temperature	-30 / 90°C (-22 / 194°F)
Net weight	3,9 kg

M540/BT € 301,00

WATERPROOF TOOL CASE WITH TROLLEY

Built in pressure valve with cubed-foam interior to protect the objet stored. the superior protection from the elements, water , dust and impacts, make it suitable for a wide array of sectors and applications.



External Dimensions	594 x 473 x 270 mm
Internal dimensions	538 x 405 x 245 mm
Internal volume	53.38 l
Working temperature	-30 / 90°C (-22 / 194°F)
Net weight	5,2 kg



0682 € 98,60

ABS TOOL CASE

Tools not included



ABS

Box

A	460 mm
B	330 mm
C	150 mm
D	98 mm
E	52 mm
Capacity	25 kg
Net weight	2,9 kg

0683 € 168,00

TROLLEY ABS TOOL CASE

Tools not included



ABS

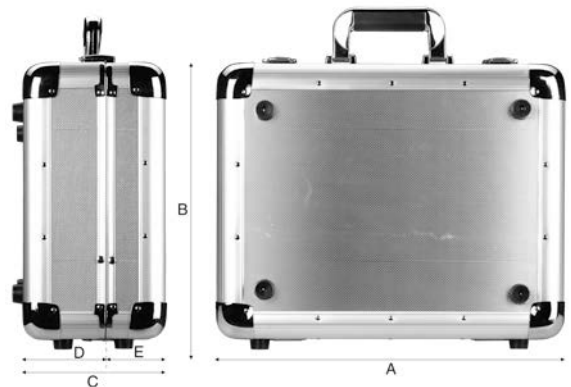
Box

A	460 mm
B	330 mm
C	190 mm
D	98 mm
E	92 mm
Capacity	25 kg
Net weight	4,5 kg

068x

ALUMINIUM TOOL CASE

Tools not included



Art.	€	A	B	C	D	E	Capacity	Net weight
0680	€ 137,00	510 mm	375 mm	185 mm	110 mm	75 mm	30 kg	5 kg
0681	€ 118,00	440 mm	390 mm	185 mm	110 mm	75 mm	30 kg	4,8 kg

0557 € 94,90

MULTITOOL BACKPACK

Made in polyester 1680 denier, with hard-rubber base, breathable back, extractable tool holders, laptop padded pocket with office zone, great and rugged pockets to accommodate a great number of tools



External Dimensions 370 x 160 x 460h mm
Net weight 2,2 kg

0390 € 45,70

TOOL BAG

With shoulder belt made of 1680 denier polyester, big and rugged pockets to accommodate a great number of tools



Pockets 14
Dimensions 400 x 225 x 250h mm

0395 € 56,20

TOOL BAG

With shoulder belt made of 1680 denier polyester, big and rugged pockets to accommodate a great number of tools



Pockets 19
Dimensions 480 x 250 x 225h mm / 19" x 10" x 9" h mm

0409 € 11,80

TOOL BAG

10 pockets with belt, made of polyester. it can be used to hold small tester, pliers, scissors, screwdrivers and other tools



Dimensions 250 x 210 x 70 mm

0254 € 8,70

FITTER TOOL BAG

Leather with belt



Pockets 5

0264 € 17,70

FITTER TOOL BAG

Leather with belt



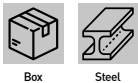
Pockets 11



0036-

STEEL VICE

Attaches directly to the work base to ensure high stability. Lateral sliding adjustment.

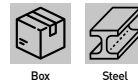


Art.	€	Jaws	Opening	Working height	Slot distance	Net weight
0036/100	€ 114,00	100 mm	105 mm	60 mm	85 mm	4,9 kg
0036/125	€ 169,00	125 mm	138 mm	75 mm	110 mm	9,5 kg
0036/150	€ 285,00	150 mm	180 mm	90 mm	150 mm	19 kg

0036-xG

TABLE VICE WITH SWIVEL BASE

Attaches directly to the work base to ensure high stability. Lateral sliding adjustment. Equipped with swivel mechanism.

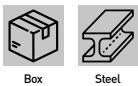


Art.	€	Jaws	Opening	Net weight
0036/100G	€ 134,00	100 mm	105 mm	5,5 kg
0036/125G	€ 184,00	125 mm	124 mm	11 kg
0036/150G	€ 316,00	150 mm	180 mm	22 kg

0135-

FORGED STEEL VICE

Attaches directly to the work base to ensure high stability. Lateral sliding adjustment.

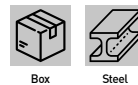


Art.	€	Jaws	Opening	Working height	Slot distance	Net weight
0135/100	€ 122,00	100 mm	125 mm	60 mm	98 mm	5,8 kg
0135/125	€ 173,00	125 mm	160 mm	70 mm	111 mm	9,8 kg
0135/150	€ 275,00	150 mm	190 mm	85 mm	136 mm	17,8 kg

0140-

STEEL VICE

Attaches directly to the work base to ensure high stability. Lateral sliding adjustment. Equipped with hose clamp. Recommended for heavy use.



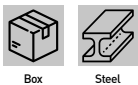
Art.	€	Jaws	Opening	Working height	Slot distance	Net weight
0140/080	€ 45,80	80 mm	80 mm	60 mm	81 mm	4 kg
0140/100	€ 53,50	100 mm	100 mm	65 mm	81 mm	5,5 kg
0140/125	€ 79,00	125 mm	125 mm	90 mm	103 mm	10 kg
0140/150	€ 99,40	150 mm	150 mm	95 mm	123 mm	14 kg

0591-

PRO

STEEL VICE

Attaches directly to the work base to ensure high stability. Lateral sliding adjustment. Equipped with bearing on the screw, hose clamp and interchangeable jaws.

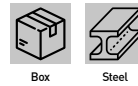


Art.	€	Jaws	Opening	Net weight
0591/100	€ 151,00	100 mm	95 mm	5,3 kg
0591/125	€ 213,00	125 mm	130 mm	11 kg
0591/150	€ 321,00	150 mm	230 mm	23 kg

0145-

STEEL VICE

Attaches directly to the work base to ensure high stability. Equipped with hose clamp.



Art.	€	Jaws	Pipe jaws	Opening	Working height	Slot distance	Net weight
0145/80	€ 38,70	80 x 20 mm	No	80 mm	58 mm	76 mm	3,7 kg
0145/100	€ 43,00	100 x 20 mm	Yes	100 mm	70 mm	85 mm	5,2 kg
0145/125	€ 57,20	125 x 20 mm	Yes	125 mm	75 mm	90 mm	7,4 kg
0145/150	€ 93,10	150 x 27 mm	Yes	150 mm	95 mm	105 mm	12 kg

0174-

SG IRON BENCH VICE

Attaches directly to the work base to ensure high stability. Equipped with interchangeable jaws.



Art.	€	Jaws	Opening	Working height	Slot distance	Net weight
0174/100	€ 61,10	100 x 20 mm	100 mm	50 mm	85 mm	4,8 kg
0174/125	€ 76,20	125 x 22 mm	130 mm	60 mm	95 mm	7,7 kg
0174/150	€ 95,30	150 x 22 mm	150 mm	75 mm	105 mm	10 kg

0427-

SG IRON PARALLEL BENCH VICE

Attaches directly to the work base to ensure high stability. Equipped with interchangeable jaws and prismatic guides.



Art.	€	Jaws	Opening	Net weight
0427/080	€ 71,40	80 mm	80 mm	6,5 kg
0427/100	€ 92,00	100 mm	100 mm	10 kg
0427/125	€ 122,00	135 mm	125 mm	12 kg

0146/60 € 25,20

STEEL VICE WITH SWIVEL BASE



Cast Iron

Jaws	60 mm
Opening	65 mm
Clamp capacity	51 mm
Net weight	1,5 kg

0520-xG

ALUMINIUM MAGNETIC JAW PAIR WITH RUBBER FACE

With durable rubber



Alu
Aluminum

2 Pcs

Art.	€	Length	Height	Thickness
0520/100G	€ 14,10	100 mm	28,7 mm	10,0 mm
0520/125G	€ 16,00	125 mm	28,7 mm	10,0 mm
0520/150G	€ 17,80	150 mm	28,7 mm	10,0 mm

0520-xP

PRISMATIC MAGNETIC JAW PAIR

With trapezoidal jaws.



Alu
Aluminum

2 Pcs

Art.	€	Length	Height	Thickness
0520/100P	€ 14,10	100 mm	28,5 mm	9,8 mm
0520/125P	€ 16,00	125 mm	28,5 mm	9,8 mm
0520/150P	€ 17,80	150 mm	28,5 mm	9,8 mm

0520-xS

SERIES OF ALUMINIUM MAGNETIC JAW PAIRS

Includes the items 0520-xA, 0520-xF, 0520-xG, 0520-xP.



Alu
Aluminum

8 Pcs

Art.	€	Length
0520/100S	€ 42,30	100 mm
0520/125S	€ 48,00	125 mm
0520/150S	€ 53,50	150 mm

0042-

ALUMINIUM MAGNETIC JAW COUPLE

Ribbed with grooves



Alu
Aluminum

2 Pcs

Art.	€	Jaws	Height	Thickness
0042/100	€ 12,70	100 mm	28 mm	7.5 mm
0042/125	€ 19,60	125 mm	28.5 mm	7.5 mm
0042/150	€ 20,10	150 mm	28.5 mm	7.5 mm

0520-xA

ALUMINIUM MAGNETIC JAW PAIR

Ribbed with grooves



Alu
Aluminum

2 Pcs

Art.	€	Length	Height	Thickness
0520/100A	€ 14,10	100 mm	28,3 mm	8,9 mm
0520/125A	€ 16,00	125 mm	28,3 mm	8,9 mm
0520/150A	€ 17,80	150 mm	28,3 mm	8,9 mm

0520-xF

MAGNETIC JAW PAIR WITH FIBER FACE

With strong fiber



Alu
Aluminum

2 Pcs

Art.	€	Length	Height	Thickness
0520/100F	€ 14,10	100 mm	28,7 mm	10,3 mm
0520/125F	€ 16,00	125 mm	28,7 mm	10,3 mm
0520/150F	€ 17,80	150 mm	28,7 mm	10,3 mm





0205

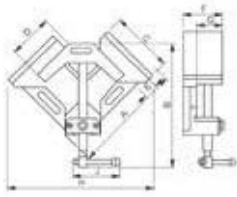
€ 31,30

SPECIAL VICE FOR 90° WELDING

Adjustable jaw.



Alu
Aluminum



Capacity	70 mm + 70 mm		
Working height	35 mm	E	70 mm
A	150 mm	F	55 mm
B	Min 250 mm - Max 345 mm	G	49 mm
C	97 mm	H	217 mm
D	60 mm	J	92 mm

0205/120

PRO € 108,00

SPECIAL VICE FOR 90° WELDING

Adjustable jaw.



Cast Iron



Capacity	110 mm + 110 mm	D	109 mm
Working height	60 mm	E	126 mm
A	257 mm	F	90 mm
B	Min 290 mm - Max 458 mm	G	77 mm
C	135 mm	H	340 mm
		J	112 mm

M006-

GENERAL USE STEEL CLAMP WITH T-SPINDLE



Tempered

Art.	€	Span x Depth	Spindle
M006/200	€ 27,20	200 x 120 mm	22 x 10,5 mm
M006/300	€ 38,10	300 x 140 mm	25 x 12 mm
M006/400	€ 38,60	420 x 120 mm	25 x 12 mm
M006/500	€ 42,90	500 x 120 mm	25 x 12 mm
M006/600	€ 61,60	600 x 120 mm	25 x 12 mm
M006/800	€ 74,00	800 x 120 mm	25 x 12 mm
M006/1000	€ 87,90	1000 x 120 mm	25 x 12 mm



M007-

GENERAL USE STEEL CLAMP RATCHET

Quick clamping.



Tempered

Art.	€	Span x Depth	Spindle
M007/250	€ 53,30	250 x 120 mm	22 x 10,5 mm
M007/300	€ 61,60	300 x 140 mm	25 x 12 mm
M007/400	€ 67,20	400 x 120 mm	25 x 12 mm
M007/500	€ 72,40	500 x 120 mm	25 x 12 mm
M007/600	€ 80,60	600 x 120 mm	25 x 12 mm



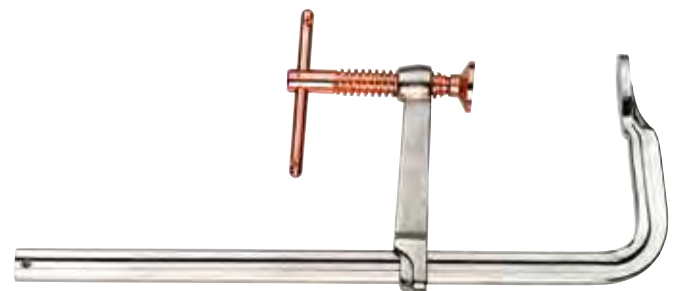
M018-

GENERAL USE STEEL CLAMP WITH T-SPINDLE

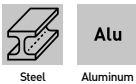


Tempered

Art.	€	Span x Depth	Spindle
M018/0200	€ 20,40	200 x 100 mm	19 x 9,5 mm
M018/0300	€ 24,50	300 x 100 mm	19 x 9,5 mm
M018/0400	€ 27,90	400 x 120 mm	21,5 x 10,5 mm
M018/0500	€ 30,60	500 x 120 mm	21,5 x 10,5 mm
M018/0600	€ 30,60	600 x 120 mm	21,5 x 10,5 mm
M018/0800	€ 35,60	800 x 120 mm	21,5 x 10,5 mm
M018/1000	€ 40,70	1000 x 120 mm	21,5 x 10,5 mm
M018/1200	€ 45,80	1200 x 120 mm	21,5 x 10,5 mm



**0167-
WOOD HANDLE CLAMP**



Art.	€	Span x Depth
0167/150	€ 3,42	150 x 50 mm
0167/200	€ 6,40	200 x 80 mm
0167/250	€ 7,10	250 x 100 mm
0167/400	€ 9,70	400 x 100 mm
0167/500	€ 12,20	500 x 120 mm



**0394-
QUICK ADJUSTABLE CLAMP**



Art.	€	Span x Depth	Spindle	Maximum torque
0394/150	€ 7,60	150 x 63 mm	18 x 5,5 mm	60 kg
0394/300	€ 10,20	300 x 63 mm	18 x 5,5 mm	60 kg
0394/450	€ 11,80	450 x 63 mm	18 x 5,5 mm	60 kg
0394/600	€ 14,30	600 x 63 mm	18 x 5,5 mm	60 kg



**0250 € 43,80
4-WAY CLAMPING SYSTEM**

Provided in assembly kit, for doors or wooden tables (wood strips not included)



Max thickness	150 mm
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**0353/085 € 7,00
POLYPROPYLENE SPRING CLAMPS SET**

Length 85mm, useful in the laboratory to facilitate the gluings and similar works.



Length	85 mm
Opening	35 mm



**0353/110 € 7,50
POLYPROPYLENE SPRING CLAMPS SET**

110mm longs, useful in the laboratory to facilitate the gluings and similar works.



Length	110 mm
Opening	40 mm



**035x
SPRING CLAMP**

Useful in the laboratory to facilitate the gluings and similar works.



Art.	€	Length	Opening
0353/150	€ 3,29	150 mm	55 mm
0354/225	€ 4,52	225 mm	100 mm

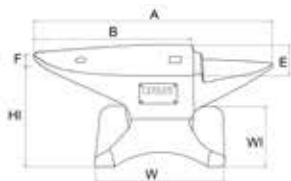




0157-

C50 HARDENED STEEL ANVIL

Sturdy construction, round hole and square hole for punching and bending.



C50

Box

Art.	€	A	B	E	W	WI	HI	Tolerance	Net weight
0157/10	€ 112,00	345 mm	235 mm	80 mm	150 mm	110 mm	120 mm	±5%	10 kg
0157/30	€ 269,00	535 mm	360 mm	110 mm	215 mm	150 mm	160 mm	±5%	30 kg
0157/50	€ 392,00	620 mm	410 mm	140 mm	240 mm	175 mm	190 mm	±5%	50 kg
0157/100	€ 819,00	805 mm	520 mm	175 mm	315 mm	230 mm	240 mm	±5%	100 kg

0265/05

€ 35,00

CAST IRON ANVIL

Sturdy construction, round hole and square hole for punching and bending

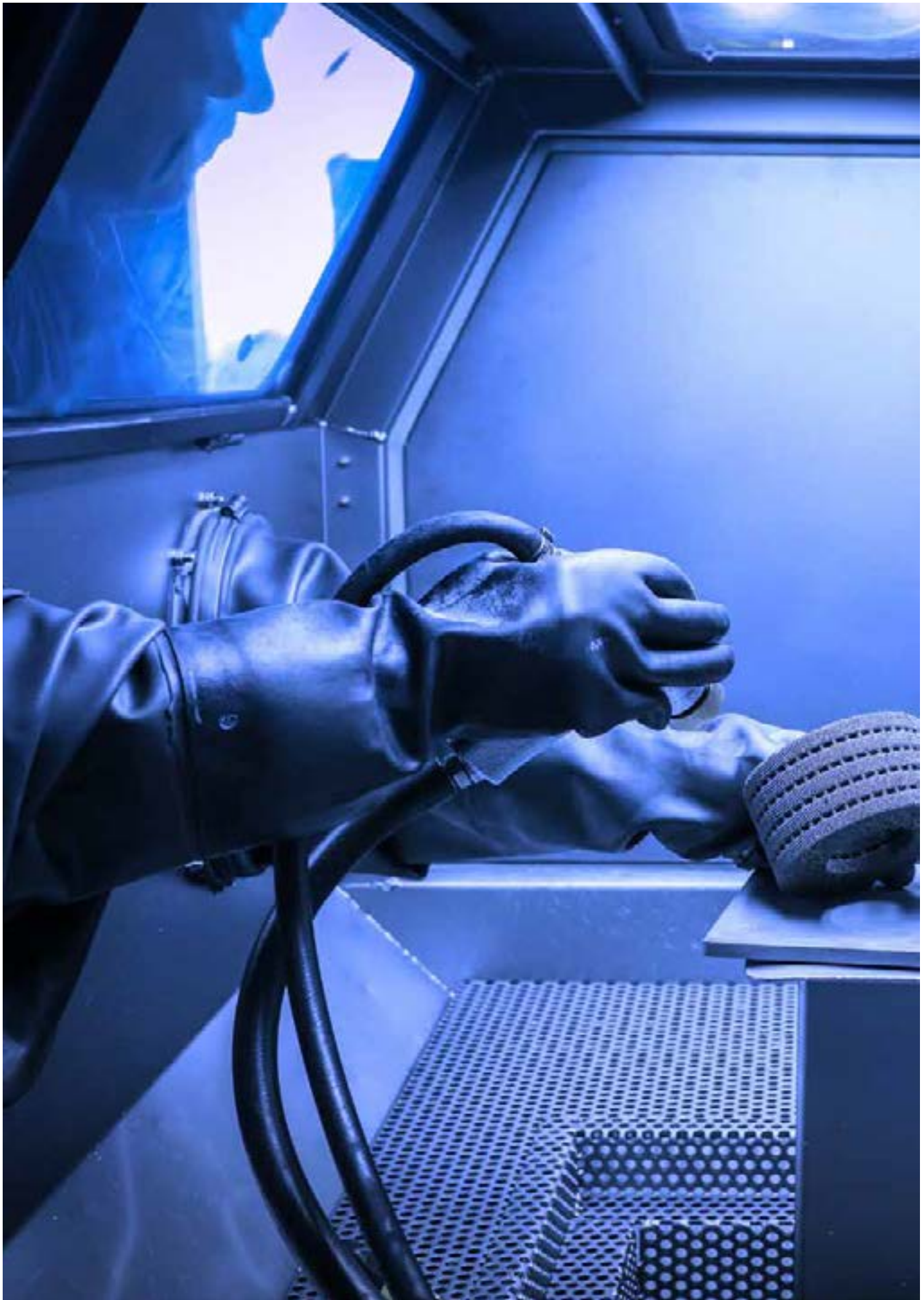


Box

Cast Iron

A	230 mm
B	160 mm
E	57 mm
F	10,5 mm
W	112 mm
WI	85 mm
HI	95 mm
Tolerance	±5%
Net weight	5 kg



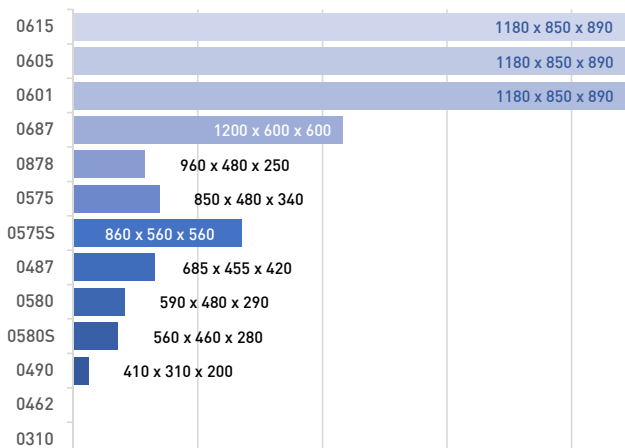




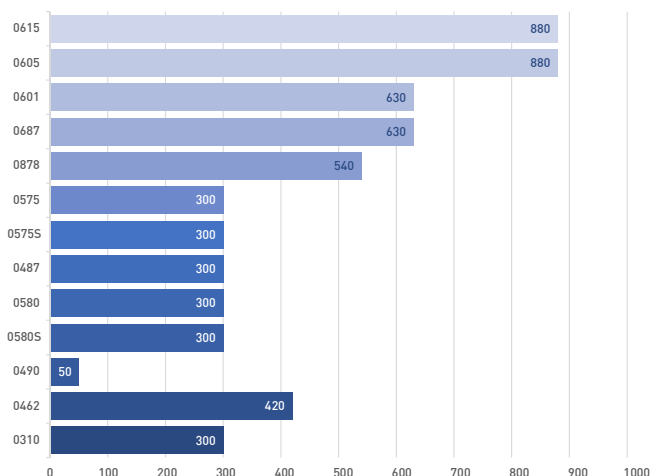
SANDERS



Internal dimensions (mm)



Air consumption (l/min)



0615
€ 4310,00
PRESSURE SANDBLAST CABINET

With cyclone vacuum cleaner, HEPA filter, front opening and ceiling light with 3 fluorescent lamps.



Internal dimensions	1180 x 850 x 890 h mm
Maximum capacity	150 kg
Working pressure	6 ÷ 8 Bar
Air consumption	31 SCFM 880 l / min
Gun nozzle	Ø 6 - 7 mm

Electric vacuum	230 V 50 Hz 0.7 kW
Filtration rate	8 micron
With light	Yes
Overall dimensions	1330 x 1515 x 2070 h mm
Net weight	300 kg

0605
€ 3810,00
SANDBLAST CABINET WITH 2 DUST COLLECTORS

With pressurized tank to have a greater abrasive effect, 2 cyclone-type dust collectors, paper filter, front opening and ceiling light with 3 fluorescent lamps



Working area	1180 x 850 x 890 h mm
Maximum capacity	150 kg
Working pressure	6 ÷ 8 Bar
Air consumption	31 SCFM 880 l / min
Gun nozzle	Ø 6 - 7 mm

Electric vacuum	2 x 230 V 50 Hz 1,2 kW
Filtration rate	5 micron
With light	Yes
Overall dimensions	1800 x 1515 x 2070 h mm
Net weight	245 kg

0601
€ 3120,00
SANDBLAST CABINET WITH DUST COLLECTOR

Cyclone-type, paper filter, front opening and ceiling light with 3 fluorescent lamps



Working area	1180 x 850 x 890h mm
Maximum capacity	150 kg
Working pressure	6 ÷ 8 Bar
Air consumption	21 SCFM 630 l / min
Gun nozzle	Ø 6 - 7 mm

Electric vacuum	230 V 50 Hz 1.2 kW
Filtration rate	5 micron
With light	Yes
Overall dimensions	1330 x 1240 x 1770 h mm
Net weight	180 kg



0687 € 2220,00

VERTICAL SANDBLAST CABINET WITH VACUUM

With paper filter



Working area	1200 x 600 x 600 h mm
Maximum capacity	120 kg
Working pressure	6.5 ÷ 7.5 Bar
Air consumption	21 SCFM 630 l / min
Gun nozzle	Ø 6 - 7 mm
Electric vacuum	230 V 50 Hz 1.2 kW
Filtration rate	5 micron
Overall dimensions	1220 x 910 x 1740 h mm
Net weight	149 kg

0878 € 1770,00

VERTICAL SANDBLAST CABINET WITH VACUUM

With paper filter



Working area	960 x 480 x 250 ÷ 470 h mm
Working pressure	6.5 ÷ 7.5 bar
Air consumption	18 SCFM 540 l / min
Gun nozzle	Ø 4 - 5 - 6 - 7 mm
Electric vacuum	230 V 50 Hz 1,2 kW
Filtration rate	5 micron
Overall dimensions	1030 x 850 x 1640 h mm
Net weight	100 kg

0575 € 744,00

VERTICAL SANDBLAST CABINET



Working area	850 x 480 x 340 ÷ 540 h mm
Working pressure	6.5 ÷ 7.5 Bar
Air consumption	8 ÷ 10 SCFM (240 ÷ 300 l / min)
Gun nozzle	Ø 4 - 5 - 6 - 7 mm
Overall dimensions	890 x 560 x 1385 h mm
Net weight	46 kg

0575S € 690,00

SANDBLAST CABINET

In kit



Working area	860 x 560 x 560 h mm
Working pressure	6.5 ÷ 7.5 bar
Air consumption	8 ÷ 10 SCFM (240 ÷ 300 l / min)
Gun nozzle	Ø 4 - 5 - 6 - 7 mm
Overall dimensions	905 x 620 x 1390 h mm
Net weight	44 kg

0487
€ 304,00
BENCH SANDBLAST

With provision for the connection of a vacuum cleaner, lighting with low consumption lamp, gun and gloves



Working area	685 x 455 x 420 mm
Working pressure	6.5 ÷ 7.5 Bar
Air consumption	8 ÷ 10 SCFM (240 ÷ 300 l / min)
Gun nozzle	Ø 4 - 5 - 6 - 7 mm
With light	230 V 50 Hz; 6 W 12 V
Overall dimensions	755 x 495 x 720 h mm
Net weight	26.5 kg

0580S
€ 256,00
BENCH SANDBLAST CABINET

In kit



Overall dimensions	585 x 485 x 495 h mm
Working area	560 x 460 x 280 h mm
Working pressure	6.5 ÷ 7.5 Bar
Air consumption	8 ÷ 10 SCFM (240 ÷ 300 l / min)
Gun nozzle	Ø 4 - 5 - 6 - 7 mm
Net weight	16 kg

0580
€ 288,00
BENCH SANDBLAST CABINET


Overall dimensions	630 x 510 x 490 h mm
Working area	590 x 480 x 290 h mm
Working pressure	6.5 ÷ 7.5 Bar
Air consumption	8 ÷ 10 SCFM (240 ÷ 300 l / min)
Gun nozzle	Ø 4 - 5 - 6 - 7 mm
Net weight	13 kg

0490
€ 434,00
MINI BENCH SANDBLAST

With foot control and fixed gun



Working area	410 x 310 x 200 h mm
Working pressure	4 - 7.5 bar
Gun nozzle	Ø 3.5 mm
With light	230 V 50 Hz, 6 W 12 V
Overall dimensions	475 x 370 x 370 h mm
Net weight	12 kg



0462 € 792,00

SANDBLAST MACHINE WITH VACUUM

For rusted metallic objects that can't be put in traditional sandblast machine. if the object to be considered is flat, the vacuum cleaner allows the operator to not lose the most part of the abrasive material that is being used. the four wheels, two of which swivel, allow the operator that the machine is close to the object to be sandblasted



Tubes length	2.5 m
Motor	230 V 50 Hz 1.2 kW
Max vacuum capacity	13 ÷ 15 kPa
Working pressure	8 Bar
Air consumption	420 l / min
Dimensions	404 x 612 x 1046 h mm
Net weight	30 kg

SA01-CTRx

ROTARY TABLE FOR SANDBLAST CABINET

With trolley.



Art.	€	Capacity	Diameter	Overall dimensions	Net weight
SA01/CTR1	€ 514,00	150 kg	580 mm	920 x580 x1070h mm	43,5 kg
SA01/CTR2	€ 514,00	150 kg	580 mm	920 x580 x1335h mm	45 kg

SA01/C € 1130,00

CYCLONE FOR SAND BLAST CABINET

In two stage.



Filtration rate	8 micron
Air flow	13500 l/min
Max power	230 V 50 Hz 0,55 kW
Overall dimensions	540 x 1000 x 1450h mm
Net weight	55 kg

0310 € 201,00

SODA BLASTER

For external use, light weight, easy to carry, indicated for the removal of paints, rust, graffiti etc ..



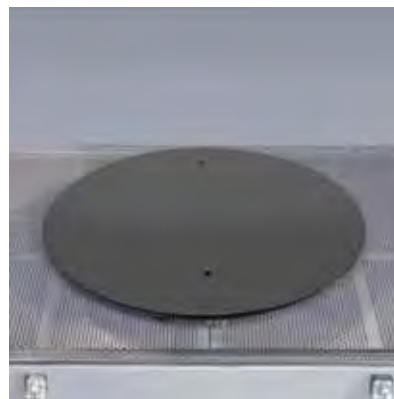
Overall dimensions	350 x 400 x 788 h mm
Capacity	18 l
Working pressure	2.5 ÷ 6.2 bar
Air consumption	8 ÷ 10 SCFM (240 ÷ 300 l / min)
Gun nozzle	Ø 2 - 3 mm
Net weight	13 kg

SA01/TR

€ 113,00

ROTARY TABLE

For sandblast cabinet.



Diameter	380 mm
Overall dimensions	380 x 43h mm
Net weight	7 kg

SA01/A € 355,00

SANDBLAST CYCLON

Cylindrical with paper filter, with manual filter beater and opening in the lower part.



Electric vacuum	230 V 50 Hz 1,2 kW
Filtration rate	5 micron
Air permeability	185 l/(m²s)
Inlet size	Ø 55 mm
Slot distance	305 X 240 mm
Dimensions	Ø 290 X 730 mm

0582-

SANDBLAST CORUNDUM

It stands out for being edgy and extremely stable by combining the properties of hardness and density. Its longevity and reusability make it the most used material for sandblasting. Being composed for the most part of aluminum oxide it is practically free of iron. Particularly suitable for cleaning metal surfaces, removing rust and oxide layers and removing temper colors



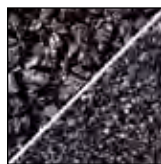
Art.	€	Grit	Hardness	Net weight
0582/36	€ 96,00	36	9 Mohs	25 kg
0582/80	€ 96,00	80	9 Mohs	25 kg

NEW

0578-

SILICON CARBIDE

Black Silicon Carbide is the hardest material used for sandblasting, making it the ideal solution for all the most demanding jobs. Virtually iron-free, its abrasive properties make it very aggressive and fast in removing impurities. Its conformation allows the grains to break continuously creating new sharp and cutting edges, increasing the fineness of the grain size. Very durable it allows a high reusability. It tends to be incorporated into the material



Art.	€	Grit	Hardness	Net weight
0578/36	€ 132,00	36	9.1 Mohs	25 kg
0578/80	€ 132,00	80	9.1 Mohs	25 kg

0579-

NEW

GARNET

Garnet is one of the last natural abrasives still in use. It is a natural stone, and therefore ecological, with excellent abrasive properties that allows you to create profiles without abrasive incorporation, produce little dust and have a relatively low consumption. It is excellent for removing hard coatings, paint, rust and laminate scales. It can be used for both dry and water sandblasting. Its low cost makes it an alternative to corundum.



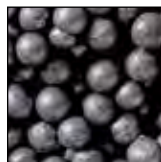
Art.	€	Grit	Hardness	Net weight
0579/30	€ 52,80	36 ÷ 60	7.5 Mohs	25 kg
0579/80	€ 52,80	80	7.5 Mohs	25 kg

0569

NEW € 82,50

STEEL SHOT

Thanks to their spherical surface and hardness they allow to obtain shiny surfaces. Excellent for removing paint, blemishes, burrs and rust. Their low crushing does not create dust inside the sandblasting cabin and allows a long life of the abrasive. They can be used both as a means for shot peening and for both dry and water sandblasting.



Grit	S390
Hardness	40 ÷ 50 HRC
Net weight	25 kg

0581

€ 84,80

MICRO GLASS BEADS

Thanks to their spherical shape they are perfect for surface finishing. They create smooth and bright surfaces, leaving an incomparable satin effect. As they do not contain iron, they are very suitable for working on stainless steel for food use and aluminum. The microspheres will not damage the substrate of the material being processed but will leave an anchoring profile for subsequent painting, especially on soft materials such as brass, aluminum, plastics, etc...



Grit	50 ÷ 70 (0,3 ÷ 0,2 mm)
Hardness	5-7 Mohs
Net weight	25 kg

0310B

€ 74,00

SODA BLASTING MEDIA

Salt composed basic bicarbonate synthetic, suitable for treating steel, aluminum, fiberglass, plastic, bricks etc ...



Grit	36 ÷ 80 (0,5 ÷ 0,3 mm)
Hardness	2,5 - 3 Mohs
Decomposition temperature	> 50°C
Net weight	25 kg



0490/11 € 22,60

PAIR OF GLOVES



Gloves diameter 100 mm

05x

PAIR OF GLOVES

Soft and comfortable.



Art.	€	Length	Gloves diameter
0575/29	€ 39,90	600 mm	180 mm
0580/21	€ 39,90	450 mm	145 mm

0490/03 € 24,60

WINDOW PROTECTION SET

for sandblasters



5 Pcs

0601/24 € 22,60

WINDOW PROTECTION SET

For sandblasters, 670 x 300mm.



5 Pcs

Size 670 x 300 mm

0601/30 € 16,40

LAMP PROTECTION SET

For sandblasters, 900 x 260mm



5 Pcs

Size 900 x 260 mm

0687/005 € 27,60

LAMP PROTECTION SET

For sandblasters, 600 x 100mm



10 Pcs

Size 600 x 100 mm

0575/04 € 43,40

WINDOW PROTECTION SET

For sandblasters, 550 x 250mm



10 Pcs

Size 550 x 250 mm

0580/01-6 € 27,60

WINDOW PROTECTION SET

For sandblasters, 400 x 300mm



5 Pcs

Size 400 x 300 mm

SA01/F € 159,00

CYCLONE FILTER

HEPA material.



Diameter 320 mm
Height 600 mm

0687/029 € 74,50

SANDBLAST CYCLON



Diameter 170 mm
Height 305 mm

0687/041

€ 102,00

GUN

Sander



0290

€ 37,70

SANDBLAST GUN

Metal gun, with ceramic nozzles.



Ceramic nozzles	Ø 4 - 5 - 6 - 7 mm
Rubber hose length	1,5 m
Air inlet	G 1/4"
Sound pressure level	$\leq 70 \text{ dB(A)}$
Vibrations	$\leq 2,5 \text{ m/s}^2$
Working pressure	0.6 MPa

0577/17

€ 44,00

FIXED GUN



U003

€ 105,00

BORON CARBIDE NOZZLE

For sand blast cabinet, long life



Nozzle diameter Ø 7,5 mm

U004

€ 66,80

COMPOSITE NOZZLE

For sand blast cabinet, long life



0490/20

€ 9,20

CERAMIC NOZZLE SET



Nozzle diameter Ø 3,5 mm

0462/55

€ 36,00

CERAMIC NOZZLE SET



Nozzle diameter Ø 7,5 mm

0575/0580/12

€ 17,30

CERAMIC NOZZLE SET

4 pcs, diameter Ø 4,5,6,7mm



Nozzle diameter Ø 4 - 5 - 6 - 7 mm

0687/102

€ 18,70

CERAMIC NOZZLE SET



Nozzle diameter Ø 6 - 7 mm



0305 € 761,00

PART WASHER WITH HEATING SYSTEM

For washing with hot water up to 60° C, with a Venturium pneumatic gun.



Tank capacity	8 ÷ 14 l
Avg air cons.	5 SCFM 145 l / min
Working area	760 x 560 x 380 mm
Washing pressure	5 ÷ 8 Bar
Power	1350 W
Dimensions	790 x 610 x 1260 h mm
Net weight	49 kg

0486 € 545,00

PARTS WASHER WITH DUAL PUMP



Left tank internal dimensions	470 x 520 x 270 mm
Right tank internal dimensions	590 x 520 x 270 mm
Tub capacity	150 l
Pump	230V 50Hz 26 + 26 W
Pump capacity	10 ÷ 12 l/min
Size	1140 x 550 x 880 h mm
Net weight	43 kg

0203 € 582,00

BENCH PART WASHER

For washing with water/solvent, with a Venturium pneumatic gun



Dimensions	770 x 595 x 700h mm
Tank capacity	4 ÷ 9 l
Avg air cons.	5 SCFM 145 l / min
Working area	765 x 560 x 380 mm
Power	30 W
Washing pressure	5 ÷ 8 Bar
Power	230 V 50 Hz
Net weight	32 kg

0038 € 283,00

DEGREASER CLEANING TANK

75L capacity, with 26w pump, cleaning brush and hose, workpiece tray.



Internal tank dimensions	710 x 480 x 260h mm
Tub capacity	75 l
Pump	230 V 50 Hz 26 W
Pump capacity	10-12 l / min
Dimensions	775 x 540 x 880 h mm
Net weight	25 kg

0232 € 357,00

DEGREASER CLEANING TANK WITH WHEEL



Internal tank dimensions	710 x 480 x 200 h mm
Tub capacity	60 l
Pump	230 V 50 Hz 26 W
Pump capacity	10 ÷ 12 l / min
Dimensions	970 x 540 x 930 h mm
Net weight	35 kg

0632 € 805,00

DEGREASER CLEANING PNEUMATIC TANK



Internal tank dimensions	710 x 480 x 200 h mm
Height	1015 mm
Tank capacity	50 l
Tub capacity	65 l
Power pressure	6 Bar
Maximum tank pressure	0.5 Bar
Net weight	38 kg

0392 € 384,00

BENCH MICRO CLEANER

For wall mounting



Capacity	14 l
Neon light	24 V 8 W
Pump	230 V 50 Hz 26 W
Pump capacity	10 ÷ 12 l / min
Dimensions	560 x 545 x 635 h mm
Net weight	25 kg

0211 € 508,00

TEAR-DOWN WORKBENCH WITH FLUID RECOVERY

Provided in assembly kit, with one drawer equipped with lock, removable bowl and pivoting wheels, 2 with safety brake



Dimensions	1200 x 640 x 872h mm
Working table dimensions	1190 x 635 x 15h mm
Drawer dimensions	420 x 340 x 120h mm
Internal tank dimensions	360 x 260 x 115h mm
Internal shelf height	445 mm
Maximum capacity with wheels	280 kg
Maximum capacity without wheels	350 kg
Net weight	64 kg

0233 € 261,00

MOBILE PARTS WASHER

Made of ABS with rubber seals in NBR.



Internal tank dimensions	460 x 660 x 260 mm
Capacity	9 l
Pump	230 V 50 Hz 16 W

0632-

DETERGENT LIQUID



Art.	€	Contents	Specification
0632/D	€ 143,00	25 l	Solvent base
0632/DA	€ 191,00	25 l	Water dilutable max. 50%
0632/DCF	€ 105,00	25 l	Water dilutable max. 20%, hot usage



0632/01 € 9,00

PARTS WASHER BRUSH

Not suitable for hydrocarbon based products



Length	280 mm
Diameter	35 mm
Shank	20mm x Ø10mm

0305/0203/1118 € 35,00

PAIR OF GLOVES FOR PARTS WASHERS

Not suitable for hydrocarbon based products



Length	540 mm
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A025/30 € 104,00

WET AND DRY VACUUM CLEANER

With stainless steel tank, blower function, equipped with accessories



Power	1,2 kW
Capacity	30 l
Motor	230 V 50 Hz
Air flow	28 l / s
Net weight	6 kg

A024/10 € 69,90

WET AND DRY VACUUM CLEANER

With ABS tank, blower function, equipped with accessories.



Power	1,2 kW
Capacity	10 l
Motor	230 V 50 Hz
Air flow	30 ± 2 l/s
Net weight	3,7 kg

A040/30A € 182,00

INDUSTRIAL WET AND DRY VACUUM CLEANER EQUIPPED OF ACCESSORIES

For industrial use, with socket for electronic devices



Power	1,4 kW
Capacity	30 l
Motors	1 (230 V 50 Hz)
Air flow	35 l / s
Power socket	1600 W
Net weight	7,5 kg

A040/60A € 296,00

INDUSTRIAL WET AND DRY VACUUM CLEANER EQUIPPED OF ACCESSORIES

For industrial use, with socket for electronic devices



Power	1,4 kW
Capacity	60 l
Motors	1 (230 V 50 Hz)
Air flow	46 l/s
Power socket	1600 W
Net weight	13 kg

A040/802 € 519,00

80L 2 MOTORS INDUSTRIAL WET AND DRY VACUUM CLEANER

For industrial use, equipped with accessories



Power	2 kW
Capacity	80 l
Motors	2 (230 V 50 Hz)
Air flow	75 l/s
Dimensions	600 x 580 x 950 mm
Net weight	25 kg

A024/602 € 287,00

60L 2 MOTORS WET AND DRY VACUUM CLEANER

With ABS tank, equipped with accessories.



Power	2,8 kW
Capacity	60 l
Motors	2 (230 V 50 Hz)
Air flow	30 ±2 l/s
Net weight	12,5 kg

A040/803 € 642,00

80L 3 MOTORS INDUSTRIAL WET AND DRY VACUUM CLEANER

For industrial use, equipped of accessories



Power	3 kW
Capacity	80 l
Motors	3 (230 V 50 Hz)
Air flow	96 l/s
Dimensions	600 x 580 x 950 mm
Net weight	28 kg



ACAS/001 € 10,20
INLET SPONGE FILTER SET FOR VACUUM CLEANER



ACAS/002 € 14,40
HEPA FILTER FOR VACUUM CLEANER



ACAS/003 € 10,20
FLEXIBLE HOSE FOR VACUUM CLEANER



Spare parts 1.5 m hose

ACAS/004 € 14,40
METAL EXTENSION PIPE FOR VACUUM CLEANER



ACAS/005 € 10,20
PAIR OF PLASTIC TUBES FOR VACUUM CLEANER



ACAS/006 € 10,20
INLET SPONGE FILTER SET FOR VACUUM CLEANER



ACAS/007 € 10,20
FILTER FOR VACUUM CLEANER



ACAS/008 € 22,60
PAPER BAG SET FOR VACUUM CLEANER



ACAS/009 € 10,20
FLEXIBLE HOSE FOR VACUUM CLEANER



ACAS/010 € 10,20
BIG BRUSH FOR VACUUM CLEANER



ACAS/011 € 6,20
MULTI FUNCTION BRUSH FOR VACUUM CLEANER



ACAS/012 € 21,20
PAPER BAG SET FOR VACUUM CLEANER



ACAS/013 € 20,60
BAG SET
 In paper for vacuum cleaner.



ACAS/014 € 10,20
PLASTIC TUBE SET
 For vacuum cleaner



ACAS/015 € 9,20
SMALL BRUSH
 For vacuum cleaner.



ACAS/017 € 10,20
INLET SPONGE FILTER SET
 For vacuum cleaner.



A040/8037 € 18,50
FLEXIBLE HOSE FOR VACUUM CLEANER



A040/8040 € 26,70
PAIR OF METAL TUBES FOR VACUUM CLEANER



Letter F
 Spare parts Couple of metal pipe

A040/8047U € 14,40
WET BRUSH FOR VACUUM CLEANER



A040/8047S € 13,30
DRY BRUSH FOR VACUUM CLEANERS



A040/8029 € 15,40
FILTER FOR VACUUM CLEANER



A040/8046 € 5,10
SHORT TIP FOR VACUUM CLEANER



A040/8048 € 8,30
ROUND BRUSH FOR VACUUM CLEANER



Letter D
 Spare parts Straight nozzle

M041

PRO € 7290,00

PORTABLE PNEUMATIC DOT MARKING MACHINE

With touch screen computer



Working area	110 x 40 mm
Working speed	3 - 5 Characters / sec
Workpiece allowed hardness	≤HRC62
Net weight	65 kg

M040

PRO € 6050,00

PNEUMATIC DOT MARKING MACHINE

Usb port, windows xp and windows 7 32 bit software



Working area	110 x 80 mm
Working speed	30 - 40 mm / sec
Table dimensions	320 x 300 mm
Workpiece allowed hardness	≤HRC62
Net weight	60 kg

M040/CF € 133,00

WIRE CONTROL FOR DOT MARKING MACHINE



M040/CP € 287,00

FOOT CONTROL FOR DOT MARKING MACHINE



M040/D € 1930,00

DIVIDER FOR DOT MARKING MACHINE



M040/SA € 154,00

SHAFTS SUPPORT FOR DOT MARKING MACHINE



M040/SP € 352,00

SUPPORT FOR PLATES FOR DOT MARKING MACHINE



M040/ST € 133,00

TUBE SUPPORT FOR DOT MARKING MACHINE





P012-L

HRC 58-60 LETTERS



Art.	€	Punch dimensions	Shank dimensions
P012/L03	€ 17,30	3 mm	6 x 6 x 60h mm
P012/L04	€ 18,00	4 mm	7 x 7 x 61h mm
P012/L05	€ 20,20	5 mm	7,5 x 7,5 x 61h mm
P012/L06	€ 22,60	6 mm	8,8 x 8,8 x 63h mm
P012/L08	€ 29,50	8 mm	10 x 10 x 66h mm

P012-N

NUMBERS HRC 58-60



Art.	€	Punch dimensions	Shank dimensions
P012/N03	€ 9,50	3 mm	6 x 6 x 60h mm
P012/N04	€ 10,60	4 mm	7 x 7 x 61h mm
P012/N05	€ 11,50	5 mm	7,5 x 7,5 x 61h mm
P012/N06	€ 12,70	6 mm	8,8 x 8,8 x 63h mm
P012/N08	€ 13,90	8 mm	10 x 10 x 66h mm

P021

€ 25,40

ELECTRIC ENGRAVER

On battery, with 2 diamond tip Ø 2.35mm, light weight easy to use, suitable for engraving glass, ceramic, plastic, wood, inox, brass, aluminum, soft steel.



Speed	20000 rpm
Length	160 mm
Not included batteries	2 x 1,5 V AAA

P012-LxP

HRC 58-60 LETTERS

Micro stress



Art.	€	Punch dimensions	Shank dimensions
P012/L03P	€ 37,70	3 mm	7 x 7 x 61h mm
P012/L04P	€ 41,00	4 mm	7,5 x 7,5 x 61h mm
P012/L05P	€ 45,60	5 mm	8,8 x 8,8 x 63h mm
P012/L06P	€ 53,40	6 mm	10 x 10 x 66h mm
P012/L08P	€ 90,30	8 mm	12 x 12 x 70h mm

P012-NxP

NUMBERS HRC 58-60

Micro stress



Art.	€	Punch dimensions	Shank dimensions
P012/N03P	€ 17,30	3 mm	7 x 7 x 61h mm
P012/N04P	€ 20,70	4 mm	7,5 x 7,5 x 61h mm
P012/N05P	€ 25,90	5 mm	8,8 x 8,8 x 63h mm
P012/N06P	€ 29,70	6 mm	10 x 10 x 66h mm
P012/N08P	€ 35,50	8 mm	12 x 12 x 70h mm

P002

€ 4,10

ENGINEER'S SCRIBER WITH METAL BODY AND HARD-METAL POINT



Length	153 mm
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P005

€ 4,69

STEEL ENGINEER'S SCRIBER



Length	270 mm
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P039 € 7,20

ENGINEER' S SCRIBER

With metal body and hard-metal point.



Telescopic
Length 150 mm

P039/PR € 5,10

SET HARD-METAL POINT



2 Pcs



Length 40 mm

P020 € 28,50

ELECTRIC VIBRATING ENGRAVER

With vibration adjustment, suitable for engraving glass, ceramic, plastic, wood, inox, brass, aluminum, soft steel



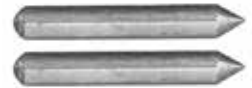
Vibrations 7200 / min
Power 230 V 50 Hz 13 W

P020/P € 7,90

SPARE PART BIT SET



2 Pcs

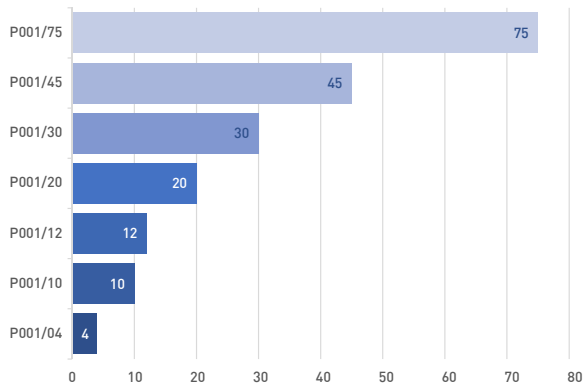




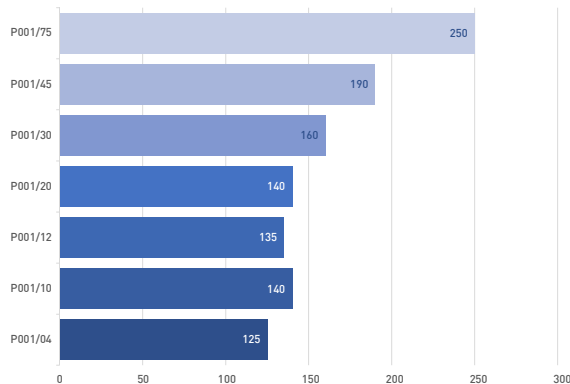
PRESSES



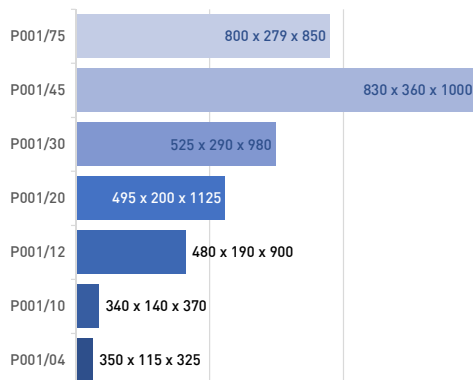
Capacity (Ton)



Ram stroke (mm)



Working area



P001/75

€ 5480,00

PNEUMATIC HYDRAULIC SHOP PRESS

Equipped with mobile piston with trolley, with winch for table handling, two speed manual control and pneumatic servo pump with foot control.



Capacity	75000 kg
Working area	800 x 279 x 850 h mm
Ram Ø	125 mm
Ram diameter	78 mm
Ram stroke	250 mm
Working pressure	0,75 + 0,85 MPa
Dimensions	1140 x 800 x 1896 h mm
Net weight	460 kg


P001/45

€ 2860,00

HYDRAULIC SHOP PRESS WITH MANUAL PNEUMATIC CONTROL

Equipped with mobile piston with trolley, with winch for bench movement, manual control and pneumatic servo pump with hand control



Capacity	45000 kg
Working area	830 x 360 x 1000 h mm
Cylinder Ø	90 mm
Ram Ø	58 mm
Ram stroke	190 mm
Working pressure	7+ 8 Bar
Max. pressure	63,5 MPa
Dimensions	1400 x 800 x 1700 h mm
Net weight	330 kg


P001/30

€ 1130,00

HYDRAULIC SHOP PRESS

With two speed pump and movable piston



Capacity	30000 kg
Working area	525 x 290 x 980h mm
Cylinder Ø	92 mm
Ram Ø	56 mm
Ram stroke	160 mm
Max. pressure	69 MPa
Dimensions	875 x 700 x 1780 h mm
Net weight	145 kg





P001/20

€ 924,00

HYDRAULIC SHOP PRESS

With moveable piston



Capacity	20000 kg
Working area	495 x 200 x 1125 h mm
Cylinder Ø	75 mm
Ram Ø	48 mm
Ram stroke	140 mm
Max. pressure	69.3 MPa
Dimensions	690 x 600 x 1830 h mm
Net weight	94 kg



P001/12

€ 559,00

HYDRAULIC SHOP PRESS

With movable piston



Capacity	12000 kg
Working area	480 x 190 x 900 h mm
Cylinder Ø	56 mm
Ram Ø	38 mm
Ram stroke	135 mm
Max. pressure	69 MPa
Dimensions	730 x 550 x 1600 h mm
Net weight	60 kg



P001/10

€ 457,00

HYDRAULIC SHOP PRESS

With bench and movable piston



Capacity	10000 kg
Working area	340 x 140 x 370 h mm
Cylinder Ø	56 mm
Ram Ø	38 mm
Ram stroke	130 mm
Max. pressure	69 MPa
Dimensions	565 x 500 x 1040 h mm
Net weight	52 kg

P001/04

€ 305,00

HYDRAULIC SHOP PRESS

Counter top, 4 ton, for bearings



Capacity	4000 kg
Working area	350 x 115 x 325 h mm
Cylinder Ø	40 mm
Ram Ø	25 mm
Ram stroke	125 mm
Max. pressure	51 MPa
Dimensions	450 x 400 x 655 h mm
Net weight	30 kg

P022-
RATCHET ARBOR PRESS

With removeable revolving table


P022/05

P022/10

P022/20

Art.	€	Capacity	Max height piece	Max Ø piece	Arbor size	Net weight
P022/05	€ 92,40	5000 N	90 mm	160 mm	19 x 19 mm	8 kg
P022/10	€ 130,00	10000 N	100 mm	180 mm	25 x 25 mm	12 kg
P022/20	€ 304,00	20000 N	170 mm	260 mm	30 x 30 mm	27 kg

P029-
RATCHET ARBOR PRESS

With removeable revolving table



Art.	€	Capacity	Dimensions	Max height piece	Max Ø piece	Arbor size	Net weight
P029/2	€ 347,00	15000 N	400 x 175 x 450h mm	210 mm	300 mm	31,5 x 31,5mm	42 kg
P029/3	€ 439,00	25000 N	450 x 200 x 570h mm	310 mm	300 mm	37,8 x 37,8mm	60 kg

P028-
HAND PUNCH

With spring loaded return



Art.	€	Capacity	Dimensions	Max height piece	Max Ø piece	Spindle travel	Net weight
P028/07	€ 137,00	1500 N	240 x 155 x 335h mm	170 mm	150 mm	60 mm	8,5 kg
P028/14	€ 232,00	2000 N	280 x 170 x 760h mm	275 mm	180 mm	70 mm	18 kg

0485
€ 100,00
SHOP PRESS PIN SET

Of 20t and 30t.



8 Pcs

Pins head size

24,7 mm



0054/10

€ 385,00

HYDRAULIC BODY FRAME REPAIR KIT



Capacity	10 ton
Ram length	330 mm
Ram stroke	130 mm
Net weight	30 kg

0054/4

€ 310,00

HYDRAULIC BODY FRAME REPAIR KIT



Capacity	4 ton
Ram length	270 mm
Ram stroke	120 mm
Net weight	19 kg

0664

€ 349,00

HYDRAULIC PUMP WITH PNEUMATIC PEDAL CONTROL

Useful for shop press, trolley jacks and rams



Rated pressure	70 MPa
Working pressure	7 ÷ 8 bar
Usable oil capacity	690 c.c.
Air consumption	10 SCFM
Net weight	8 kg

0271

€ 142,00

HYDRAULIC PUMP

With pump activation pedal.



Rated pressure	63,7 MPa
Usable oil capacity	790 ml
Hose length	1500mm
Net weight	7 kg

0663

€ 127,00

PULL BACK RAM



Capacity	5 ton
Length Closed	560 mm
Length Open	690 mm
Spindle	Ø 33 mm
Swing	130 mm
Net weight	5,5 kg

0567 € 103,00

LOW PROFILE HYDRAULIC TROLLEY JACK

2 tons, made of steel



Capacity	2 ton
Lifting	90 ÷ 385 mm
Dimensions	580 x 165 x 235 h mm
Net weight	13 kg

0457 € 576,00

LOW PROFILE JACK

2 tons, made of steel, with round handle.



Capacity	2 ton
Lifting	70 ÷ 500 mm
Dimensions	785 x 350 x 152 mm
Net weight	41 kg

0369 € 358,00

HYDRAULIC TROLLEY JACK

Dual pump, with removeable saddle and rubber pad



Capacity	3,5 ton
Dimensions	745 x 335 x 180 mm
Lifting	110 ÷ 560 mm
Net weight	46 kg

0375A € 295,00

LOW PROFILE HYDRAULIC TROLLEY JACK

2,5 ton, double pump quick lift, with load limiter.



Capacity	2,5 ton
Lifting	75 ÷ 500 mm
Dimensions	680 x 345 x 220 h mm
Net weight	32,5 kg

0065A **NEW** € 249,00

HYDRAULIC TROLLEY JACK

With removable saddle.



Capacity	3 ton
Dimensions	660 x 345 x 260 mm
Lifting	140 ÷ 515 mm
Net weight	33 kg

C038/30 € 185,00

HYDRAULIC TROLLEY JACK



Capacity	3 ton
Dimensions	572 x 328 x 175h mm
Lifting	130 ÷ 465 mm
Net weight	28 kg





0060

€ 76,10

HYDRAULIC TROLLEY JACK

Metal body frame. Handle for hand carrying. Extendable lever.



Capacity	2 ton
Dimensions	535 x 225 x 145 mm
Lifting	135 ÷ 385 mm
Net weight	11 kg

C039/25

€ 315,00

HYDRAULIC TROLLEY JACK

Aluminium and steel hydraulic trolley jack with double pump



Capacity	2.5 ton
Dimensions	659 x 289 x 165 h mm
Lifting	110 ÷ 460 mm
Net weight	27 kg

C039/15

€ 228,00

HYDRAULIC TROLLEY JACK

Aluminium and steel hydraulic trolley jack with double pump



Capacity	1,5 ton
Dimensions	490 x 270 x 130 h mm
Lifting	90 ÷ 358 mm
Net weight	15 kg

0658

€ 858,00

HYDRAULIC JACK



Capacity	10 ton
Lifting range of foot	30 ÷ 260 mm
Lifting range of head	420 ÷ 665 mm
Net weight	30 kg

0067

€ 29,20

COUPLE JACK STAND

Height adjustable with fixing pin.



Capacity	2 ton
Heights	240 - 270 - 320 - 365 mm
Net weight	3 kg

0069-

COUPLE JACK STAND



Art.	€	Capacity	Height min - max	Base dimensions	Net weight
0069/3	€ 48,20	3 ton	298 ÷ 428 mm	190 x 210 mm	6,5 kg
0069/6	€ 89,60	6 ton	400 ÷ 610 mm	260 x 285 mm	13 kg
0069/10	€ 197,00	10 ton	468 ÷ 718 mm	290 x 328 mm	29 kg

0021/1 **NEW** € 554,00

HYDRAULIC FOLDING CRANE

With two pivoting wheels with brakes, cast iron wheels. Lowering system and pumping lever arranged laterally. The ability to fold the legs when not in use allows it to be stored in confined spaces.



Capacity	1000 kg
Dimensions	1540 x 1020 x 1550h mm
Fold dimensions	490 x 510 x 1520h mm
Min/max boom extension	810 ÷ 1090 mm
Hook heights with raised arm	1900 mm @ 1000 kg 2080 mm @ 250 kg
Hook heights with lowered arm	0 mm @ 250 kg 240 mm @ 1000 kg
Front opening	1030 mm
Net weight	64,5 kg

0021/2 **NEW** € 678,00

HYDRAULIC FOLDING CRANE

With two pivoting wheels with brakes, cast iron wheels. Lowering system and pumping lever arranged laterally. The ability to fold the legs when not in use allows it to be stored in confined spaces.



Capacity	2000 kg
Dimensions	1760 x 1031 x 1600h mm
Fold dimensions	855 x 720 x 1610h mm
Min/max boom extension	750÷ 1280 mm
Hook heights with raised arm	1980 mm @ 2000 kg 2450 mm @ 500 kg
Hook heights with lowered arm	0 mm @ 500 kg 300 mm @ 2000 kg
Front opening	1050 mm
Net weight	90,5 kg

0063 € 695,00

HYDRAULIC FOLDING CRANE

With two pivoting wheels and rear pad brake, lowering system and pumping lever placed in the rear, cast iron wheels. The ability to fold the legs when not in use allows it to be stored in confined spaces.



Capacity	1000 kg
Dimensions	1800 x 1000 x 1500h mm
Fold dimensions	800 x 860 x 1600h mm
Min/max boom extension	680 ÷ 1220 mm
Hook heights with raised arm	2100 mm @ 1000 kg 2550 mm @ 250 kg
Hook heights with lowered arm	0 mm @ 250 kg 480 mm @ 1000 kg
Front opening	800 mm
Net weight	90 kg

0094 € 348,00

TRANSMISSION JACK

With load limiter, cross support and tilt support to better align and position gearboxes and differentials.



Capacity	500 kg
Dimensions	1190 x 700 x 660 mm
Min - Max height	1190 ÷ 2000 mm
Net weight	32,5 kg



S033 **NEW** € 164,00

ENGINE STAND

2 swivel wheels with brake and 2 fixed cast iron wheels, possibility to tilt the engine. Equipped with rotating small parts shelf



Capacity	600 kg
Dimensions	1230 x 850 x 930 mm
Net weight	27,5 kg

S019 € 149,00

ENGINE STAND

2 wheels with breaks and 2 fix wheels, possibility to tilt the motor



Capacity	450 kg
Dimensions	865 x 810 x 870 mm
Net weight	21 kg

0147 € 59,70

SHOP CRANE LEVELER

Shop crane and crane leveler, easy to use, just crank to level, tilts forward and backward for easy motor mount alignment



Capacity	680 kg
Width	440 mm
Max stroke of slide	330 mm
Chain	350 mm
Net weight	5 kg

S068 **NEW** € 209,00

ENGINE STAND

2 swivel wheels with brake and 2 fixed cast iron wheels, possibility to tilt the engine. The ability to fold it when not in use allows it to be stored in confined spaces.



Capacity	680 kg
Dimensions	860 x 830 x 870 mm
Net weight	31 kg

S024 € 143,00

ENGINE SUPPORT

Engine support holds your engine or transmission in place during heavy automotive repairs, used to support the engine while removing gear box, transmission, replacing clutch and all motor mounts. rubber feet for safe hold of motor, easy regulation for hold engine in its place in the car. swivel and tilting holders.



Capacity	500 kg
Adjusting height	205 mm
Bed length	730 ± 1480 mm
Net weight	13 kg

R015 € 168,00

CAR RAMPS SET

Set consisting of two solid ramps to facilitate work under vehicles. These small ramps are suitable for the most common models of small cars and SUVs or even longer vehicles. Made of polypropylene, the wedges are significantly more reliable than steel ramps. In addition, thanks to their non-slip structure, they offer excellent stability. Lightweight and well-shaped, the ramps are easy to transport and space-saving.

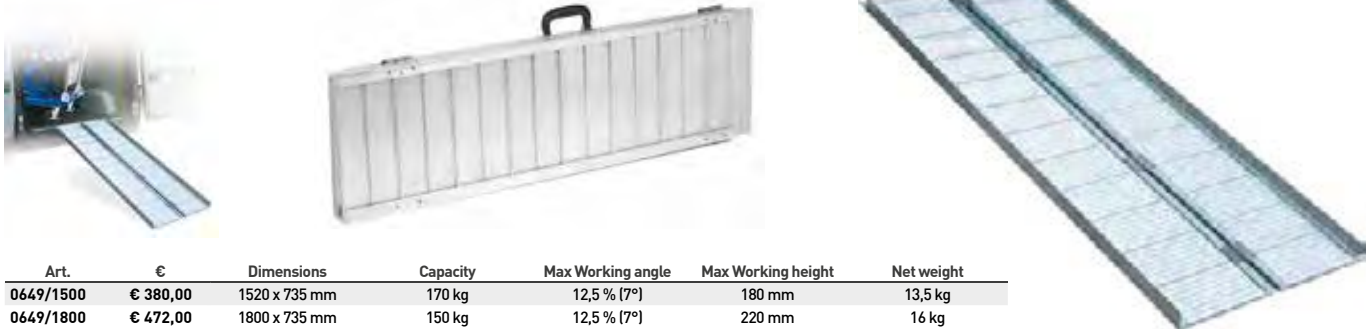


Dimensions	905 x 330 x 218 mm
Capacity	2,5 ton
Max tire width	240 mm
Min - Max height	170 mm
Tilting	15°
Net weight	8 kg

0649-

ALUMINUM RAMPS

In aluminum with non-slip floors. Load 170kg



Art.	€	Dimensions	Capacity	Max Working angle	Max Working height	Net weight
0649/1500	€ 380,00	1520 x 735 mm	170 kg	12,5 % (7°)	180 mm	13,5 kg
0649/1800	€ 472,00	1800 x 735 mm	150 kg	12,5 % (7°)	220 mm	16 kg

0598

€ 20,60

PARKING GUIDE MAT

Made of polypropylene material



Dimensions 685 x 305 x 38 mm

0592

€ 7,60

GARAGE WALL GUARD

Made of polypropylene material



Dimensions 640 x 165 x 15 mm

0594

€ 147,00

OIL DRAINER WITHOUT TANK

With wheels, to use under lifts, for waste oil



Base dimensions	390 x 390 mm
Height max	1700 mm
Net weight	13 kg

0595

€ 295,00

OIL DRAINER

With tank and wheels, to use under lifts, for waste oil



Tank capacity	70 l
Height min - max	1170 ÷ 1860 mm
Maximum tank pressure	0.45 bar
Net weight	23 kg

0596

€ 473,00

PNEUMATIC OIL DRAINER

With wheels and different size of suction probes, for waste oil, for use under lifts too



Tank capacity	70 l
Measuring tank capacity	10 l
Height max	1500 mm
Metal probe	2 x Ø6 mm x 695 mm
Nylon probe	2 x Ø6 mm x 680 mm 2 x Ø8 mm x 700 mm
Suction	Ø6 x 4,5 mm - 0,4 ÷ 0,8 U/min Ø8 x 6,5 mm - 1 ÷ 1,6 U/min
Rubber hose length	Suction 1500 mm Drain 2050 mm
Power pressure	8 ÷ 10 bar
Maximum tank pressure	0.45 bar
Net weight	25 kg



0630/2720

€ 1050,00

12V ELECTRIC WINCH - DIRECT CURRENT

Permanent magnet motor, metal frame, strong cable, with anti unwinding device and cable guide. To be used only for horizontal pulling, not suitable for lifting.



Rated line pull	2720 kg
Speed	1,3 - 4,5 m / min
Motor	12 V 1,3 kW 1,8 hp
Gear Reduction ratio	294:1
Cable size	Ø 7,2 mm x 32 m
Drum dimensions	Ø 63 x 228 mm
Overall dimensions	520 x 180 x 175h mm
Net weight	29 kg

0630/2200

€ 776,00

12V ELECTRIC WINCH - DIRECT CURRENT

Permanent magnet motor, metal frame, strong cable, with anti unwinding device and cable guide. To be used only for horizontal pulling, not suitable for lifting



Rated line pull	2000 kg
Speed	1,5 - 3,6 m / min
Motor	12 V 1,0 kW 1,3 hp
Gear reduction ratio	172:1
Cable size	Ø 6,4 mm x 14,5 m
Drum dimensions	Ø 45 x 97 mm
Overall dimensions	364 x 126 x 141h mm
Net weight	13 kg

0630/0900

€ 314,00

12V ELECTRIC WINCH - DIRECT CURRENT

Permanent magnet motor, metal frame, hook with pulley for double pull, resistant cable, with anti unwinding device and cable guide. To be used only for horizontal pulling, not suitable for lifting.



Rated line pull	450 / 900 kg
Speed	1,3 - 3,2 m / min
Motor	12 V 0,7 kW 0,9 hp
Gear reduction ratio	153:1
Cable size	Ø 4 mm x 15 m
Drum dimensions	Ø 31,5 x 73 mm
Overall dimensions	285 x 105 x 105h mm
Net weight	6.7 kg

0447 € 66,20

12V/2A INTELLIGENT DIGITAL BATTERY CHARGER

Recharge lead batteries, AMG, AL, GEL, WET, VRLA, MF. Microprocessor for automatic 3-stage charging. Charging mode 14.4V - 2A. Automatic commutation.



Power	220 ÷ 240 V, 50 ÷ 60 Hz
Power	14,4 V 4 A max
Battery	12 V
Usage time	Da -20°C a +50°C

0478 € 135,00

12V/8A INTELLIGENT DIGITAL BATTERY CHARGER

Suitable for charging all types of 12V lead-acid batteries including wet, gel and agm. This charger also charges batteries in cold conditions. With advanced 9-step charging programme, this charger recharges the batteries at almost 100% of their original capacity. It can automatically recover slightly sulphated batteries. Charge and rescue drained batteries.

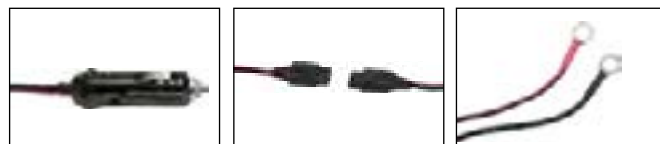


Power	230 V, 50 ÷ 60 Hz
Power	14,4 V, 8 A
Operation mode motorcycle	14,4 V 2 A
Operation mode auto	14,4 V 8 A
Operation mode winter	14,7 V 8 A
power supply operating mode	13,5 V 5 A
Working temperature	from -20°C to +50°C
Dimensions	181 x 77 x 281 mm
Battery	12 V

0432 € 96,80

6-12V/4A INTELLIGENT DIGITAL BATTERY CHARGER

Recharge lead batteries, AMG, AL, GEL, WET, VRLA, MF. Microprocessor for a 9 step automatic recharge. Recharge mode 14.7V - 2A. Automatic commutation.



Power	230 V 50 ÷ 60 Hz
Power	14,7 V 4 A max
Operation mode motorcycle	14,4 V 1 A
Operation mode auto	14,4 V 4 A
Operation mode winter	14,7 V 4 A
Operation mode battery charger	6 V : 7,2 V 4 A
Working temperature	-20°C a +50°C
Dimensions	145 x 56 x 230 mm
Battery	12 V, 6 V

0479 € 149,00

12V/2-6-12A INTELLIGENT DIGITAL BATTERY CHARGER

3 step, with socket for DC 12V 12A devices



Power	230V 50Hz
Power	12 V 2 - 6 - 12 A
Dimensions	218 x 165 x 238 mm
Working temperature	from -20°C to +50°C



S029

€ 2630,00

ELECTRO-HYDRAULIC MOTORCYCLE LIFT



Max lifting capacity	600 kg
Platform dimensions	2200 x 750 mm
Total length	2995 mm
Service hole dimensions	550 x 340 mm
Min - Max height	260 - 520 - 625 - 710 - 780 - 840 mm
Vice	330 x 320 mm
Vice opening	40 ÷ 180 mm
Motor	230 V 50 Hz 550 W
Net weight	225 kg

S029P

€ 2850,00

ELECTRO-HYDRAULIC MOTORCYCLE LIFT

With pump and separate control system that give the possibility to position it at floor level.



Max lifting capacity	600 kg
Platform dimensions	2200 x 750 mm
Total length	2995 mm
Service hole dimensions	550 x 340 mm
Min - Max height	215 - 520 - 625 - 710 - 780 - 840 mm
Vice	330 x 320 mm
Vice opening	40 ÷ 180 mm
Motor	230 V 50 Hz 550 W
Net weight	240 kg

S027

€ 2400,00

ELECTRO-HYDRAULIC MOTORCYCLE LIFT



Max lifting capacity	600 kg
Platform dimensions	1800 x 600 mm
Total length	2600 mm
Service hole dimensions	550 x 340 mm
Min - Max height	260 ÷ 880 mm
Vice	330 x 320 mm
Vice opening	40 ÷ 200 mm
Motor	230 V 50 Hz 550 W
Net weight	150 kg

S027ATV

€ 3190,00

ELECTRO-HYDRAULIC ATV & MOTORCYCLE LIFT



Max lifting capacity	600 kg
Platform dimensions	1800 x 1200 mm
Total length	2600 mm
Service hole dimensions	550 x 340 mm
Min - Max height	260 ÷ 880 mm
Vice	330 x 320 mm
Vice opening	40 ÷ 200 mm
Motor	230 V 50 Hz 550 W
Net weight	235 kg

S008/M € 969,00

HYDRAULIC MOTORCYCLE LIFT TABLE

With foot pump



Max lifting capacity	400 kg
Platform dimensions	1825 x 660 mm
Total length	2500 mm
Min - Max height	195 ÷ 750 mm
Vice	270 x 100 mm
Vice opening	210 x 50 mm
Net weight	133 kg

0452 € 159,00

MOTORCYCLE SCISSORS LIFT

Scissor support stand suitable for use on the floor or on a motorcycle lift to repair bikes, with 2 height adjustable and removable sliding supports



Max lifting capacity	400 kg
Platform dimensions	470 x 150 mm
Min - Max height	95 ÷ 400
Stand height	55 - 80 mm
Hexagon	22 mm
Net weight	14 kg

0241 € 103,00

MOTORCYCLE WHEEL BLOCK

Strong body, simple and easy use, adjustable wheel size, safety lock



Wheel sizes	15" - 21"
Overall dimensions	730 x 468 x 440h mm
Net weight	10 kg

S013 € 1900,00

HYDRAULIC LIFT TABLE

With foot pump and pneumatic control



Max lifting capacity	600 kg
Platform dimensions	2000 x 1220 mm
Total length	2575 mm
Min - Max height	185 ÷ 825 mm
Net weight	230 kg

0430 € 266,00

MOTORCYCLE DOLLY

Powder coated steel. it is suitable for motorcycles and scooters that have the side stand. it allows you to move and to park your bike in tight spaces



Maximum capacity	300 kg
Length	1929 mm
Net weight	33 kg

0217 € 206,00

VEHICLE POSITIONING JACK

With wheel positionig brakes



Capacity	680 kg
Lateral stroke	370 mm
Working range	710 - 340 mm
Max tire width	325 mm
Overall dimensions	730 x 468 x 440h mm
Net weight	15 kg



S017

€ 230,00

UNIVERSAL TELESCOPIC CART

Adjustable in height and length, made of square steel pipes, after use it can be stored in small space, upper sides with rubber to prevent scratches and give more stability to the leaned object, 4 swivel casters of which 2 with brake, ideal for the car body repair, for repairing and spraying area



Height min - max	840 ÷ 1320 mm
Length	225 ÷ 1380 mm
Width	860 mm
Capacity	100 kg
Net weight	26 kg

0645/CC

€ 95,60

THREE-DRAWER CAR SEAT

Equipped with 3 drawers with bearings, 3 can trays and a small frontal tray, 4 pivoting wheels



Dimensions	370 x 400 x 367h mm
Drawer dimensions	3 - 150 x 300 x 40 h mm
Net weight	8 kg

0645/C

€ 63,30

6 WHEELS CAR CREEPER



Dimensions	1030 x 420 x 110h mm
Net weight	6,5 kg

0645/S

€ 56,70

SHOP SEAT

With pivoting wheels, tool holder base, seat with padding



Dimensions	368 x 360 x 365 mm
Net weight	3,8 kg

0645/CP

€ 70,50

PLASTIC CREEPER

Shockproof, with 6 wheels.



Dimensions	1000 x 470 x 120h mm
Net weight	4,8 kg

0645/SS

€ 69,60

2 IN 1 CREEPER AND SEAT



Creeper dimensions	1020 x 410 x 150h mm
Seat dimensions	550 x 410 x 500h mm
Net weight	9 kg

0256-
HYDRAULIC RAM


Art.	€	Maximum capacity	Working pressure	Min-max lifting height	Spindle	Ram stroke	Dimensions	Net weight
0256/05	€ 58,00	5 ton	63 Mpa	33 ÷ 39 mm	ø 24 mm	6 mm	45 x 95 mm	0,6 kg
0256/10	€ 98,60	10 ton	63.7 Mpa	44 ÷ 55 mm	ø 38 mm	11 mm	56 x 118 mm	1,3 kg
0256/20	€ 121,00	20 ton	63.7 Mpa	52 ÷ 63 mm	ø 50 mm	11 mm	76 x 138 mm	2,6 kg
0256/30	€ 133,00	30 ton	63.7 Mpa	60 ÷ 72 mm	ø 63 mm	12 mm	95 x 158 mm	4,4 kg
0256/50	€ 190,00	50 ton	63.7 Mpa	66 ÷ 78 mm	ø 70 mm	12 mm	118 x 186 mm	6,7 kg

0062-
BOTTLE JACK

Hydraulic jack. it provides an excellent stability thanks to its small size. easy to carry and use



Art.	€	Capacity	Min. height	Lifting	Adjusting height	Base dimensions	Ram diameter	Net weight
0062/2	€ 26,30	2 ton	181 mm	116 mm	48 mm	90 x 85 mm	Ø 22 mm	2,7 kg
0062/5	€ 41,00	5 ton	220 mm	127 mm	70 mm	115 x 100 mm	Ø 32 mm	4,3 kg
0062/10	€ 55,10	10 ton	230 mm	150 mm	80 mm	125 x 110 mm	Ø 40 mm	6,5 kg
0062/15	€ 81,30	15 ton	230 mm	150 mm	80 mm	140 x 135 mm	Ø 48 mm	8,3 kg
0062/20	€ 92,80	20 ton	242 mm	150 mm	60 mm	155 x 145 mm	Ø 53 mm	10,5 kg
0062/32	€ 178,00	32 ton	285 mm	180 mm	- mm	170 x 160 mm	Ø 56 mm	13,5 kg
0062/50	€ 306,00	50 ton	295 mm	180 mm	- mm	215 x 175 mm	Ø 85 mm	29 kg

**0010**

€ 853,00

LIFT TROLLEY

With foldable handle, mechanical blocking system of the platform, swivel wheels with brakes



Capacity	500 kg
Table dimensions	850 x 500 x 50 mm
Lifting	290 ÷ 880 mm
Net weight	86 kg

**0075**

€ 780,00

LIFT TROLLEY

With foldable handle with mechanical blocking system, swivel wheels with brakes



Capacity	300 kg
Table dimensions	850 x 500 x 50 mm
Lifting	290 ÷ 880 mm
Net weight	78 kg

**0467**

€ 1010,00

HIGH LIFT TROLLEY

With double scissor action, mechanical blocking system of the platform, swivel wheels with brakes



Capacity	350 kg
Table dimensions	910 x 500 x 53 mm
Lifting	335 ÷ 1300 mm
Net weight	92 kg



C650 € 180,00

THREE SHELVES TROLLEY

Strong and easy to assemble, 2 swivel and 2 fixed casters



Dimensions	800 x 450 x 800h mm
Steel thickness	2 mm
Wheels	ø 80 mm
Capacity	100 kg
Net weight	23 kg

C750 € 296,00

THREE SHELVES TROLLEY

Strong and easy to assemble, 2 swivel and 2 fixed casters



Dimensions	940 x 600 x 870h mm
Steel thickness	2,3 mm
Wheels	ø 150 mm
Capacity	200 kg
Net weight	52 kg

C065/2 € 190,00

PP TWO SHELVES TOOL CART

Light weight, strong and easy to assemble, 2 swivel and 2 fixed casters



Dimensions	1010 x 440 x 840h mm
Wheels	ø 125 mm
Capacity	250 kg
Working temperature	-20 °C a +50 °C
Net weight	15,5 kg

C075/2 € 249,00

PP TWO SHELVES TOOL CART

Light weight, strong and easy to assemble, 2 swivel and 2 fixed casters



Dimensions	1170 x 652 x 840h mm
Wheels	ø 125 mm
Capacity	250 kg
Net weight	22,5 kg

C009 € 400,00

CART WITH WOODEN SHELF

Cart made of steel, with 2 fixed wheels and 2 swivel wheels with brake



Overall dimensions	1000 x 800 x 810 h mm
Steel thickness	2 mm
Plate thickness	36 mm
Wheels	ø 150 mm
Capacity	150 kg
Net weight	52 kg

Cx

PVC PLATFORM TROLLEY

With foldable handle, 2 fixed casters and 2 swivel casters



Art.	€	Wheels	Capacity	Platform dimensions	Height	Net weight
C150	€ 70,50	Ø 100 mm	150 kg	700 x 450 mm	820 mm	7,8 kg
C300	€ 187,00	Ø 125 mm	300 kg	900 x 600 mm	890 mm	13,4 kg

**C1102**

€ 92,80

HAND TRUCK WITH PNEUMATIC WHEELS

For flower pots and boxes, safety handles, epoxy painting



Pneumatic wheels	Ø 260 x 85 mm
Capacity	200 kg
Toe plate dimensions	450 x 215 mm
Net weight	8,5 kg

C182

€ 190,00

ALUMINUM HAND TRUCK WITH PNEUMATIC WHEELS

Aluminium



Pneumatic wheels	Ø 260 x 85 mm
Capacity	200 kg
Toe plate dimensions	300 x 205 mm
Net weight	6 kg

C189

€ 94,40

MULTIFUNCTION HAND TRUCK

With pneumatic wheels for firewood, pots, boxes and other objects. strong, easy to handle and versatile. plastic handles



Pneumatic wheels	Ø 260 x 85 mm
Capacity	150 kg
Toe plate dimensions	400 x 250 mm
Movable grid	340 x 390 mm
Net weight	11,5 kg

0461

€ 20,80

POLYURETHANE WHEEL

260 x 85mm not pierceable, with ø 20mm bearing and adapter from 20mm to 18mm, for hand trucks with 18-20mm wheel shaft.



Wheel sizes	250 x 75 mm
Hole sizes	ø 20 - 18 x 74 mm

P019

€ 168,00

FOLDING ANTISLIP PLATFORM

Antislip professional, made of aluminum, easy to use, suitable for a wide range of activities in different sectors, such as: home, auto and others



Capacity	150 kg
Dimensions	1260x380x500 mm
Platform dimensions	950x300 mm
Net weight	7,5 kg

0056-**CHAIN HOIST**

Art.	€	Capacity	Lifting	Net weight
0056/1	€ 157,00	1000 kg	3000 mm	11 kg
0056/2	€ 233,00	2000 kg	3000 mm	20 kg

0237-
LEVER CHAIN HOIST



Art.	€	Capacity	Lifting	Net weight
0237/05	€ 190,00	500 kg	1500 mm	5 kg
0237/15	€ 282,00	1500 kg	1500 mm	10 kg

0236
HOIST ARM

€ 92,40



Capacity	300 kg
Arm length	750 mm
Slot distance	380 mm
Stem	45 X 45 mm ²
Net weight	6 kg

0602
ELECTRIC CABLE HOIST

€ 287,00



Capacity	200 / 400 kg
Cable length	18 m
Speed	8 m/min
Motor	230 V 50 Hz 1 kW
Net weight	16,7 kg



0600
CABLE HOIST

€ 320,00



Capacity	200 / 400 kg
Cable length	18 m
Speed	8 m / min
Motor	230 V 50 Hz 0,75 kW
Net weight	16,7 kg



Sx
MAGNETIC LIFTER
Neodymium.

Art.	€	Maximum capacity	Round bar lifting cap.	Min-max lifting diameter	Dimensions	Net weight
S0300	€ 580,00	300 kg	100 kg	50 ÷ 300 mm	189 x 163 x 92 (B) mm	9,5 kg
S0600	€ 907,00	600 kg	200 kg	70 ÷ 400 mm	267 x 198 x 129 (B) mm	19 kg
S1000	€ 1370,00	1000 kg	330 kg	75 ÷ 450 mm	350 x 277 x 156 (B) mm	36 kg





PDC4-

CHAIN SLINGS

Grade 80 alloy steel with shortening hook, security factor 4:1, the vertical capacity is calculated on 3 arms only because the fourth arm is necessary only to equilibrate the loading. EN 818-4.



Art.	€	Length	Capacity 0°	Capacity 45°	Chain	Hook
PDC4/7/2	€ 425,00	2000 mm	3150	2240	ø 7 mm	SLF
PDC4/7/3	€ 490,00	3000 mm	3150	2240	ø 7 mm	SLF
PDC4/7/4	€ 553,00	4000 mm	3150	2240	ø 7 mm	SLF
PDC4/10/2	€ 844,00	2000 mm	6700	4750	ø 10 mm	SLF
PDC4/10/3	€ 930,00	3000 mm	6700	4750	ø 10 mm	SLF
PDC4/10/4	€ 1060,00	4000 mm	6700	4750	ø 10 mm	SLF



PDC2-

CHAIN SLINGS

Grade 80 alloy steel, with shortening hooks, security factor 4:1. EN 818-4.



Art.	€	Length	Capacity 0°	Capacity 45°	Chain	Hook
PDC2/7/2	€ 206,00	2000 mm	2120	1500	ø 7 mm	SLF
PDC2/7/3	€ 219,00	3000 mm	2120	1500	ø 7 mm	SLF
PDC2/7/4	€ 247,00	4000 mm	2120	1500	ø 7 mm	SLF
PDC2/10/2	€ 315,00	2000 mm	4250	3150	ø 10 mm	SLF
PDC2/10/3	€ 348,00	3000 mm	4250	3150	ø 10 mm	SLF
PDC2/10/4	€ 418,00	4000 mm	4250	3150	ø 10 mm	SLF



PDC1-

CHAIN SLINGS

Grade 80 alloy steel, with shortening hook, security factor 4:1. EN 818-4.



Art.	€	Length	Vertical capacity	Chain	Hook
PDC1/7/1	€ 83,70	1000 mm	1500 kg	ø 7 mm	SLF
PDC1/7/2	€ 95,60	2000 mm	1500 kg	ø 7 mm	SLF
PDC1/10/1	€ 125,00	1000 mm	3150 kg	ø 10 mm	SLF
PDC1/10/2	€ 147,00	2000 mm	3150 kg	ø 10 mm	SLF



AN2G/12/1

€ 88,80

2 STEEL ARMS PENDING



Rope	ø 12 mm
Length	1000 mm
Capacity	30° 2600 kg
Capacity	90° 2100 kg



06x

LASHING SYSTEM WITH POLYESTER RIBBON DRAFT

EN 12195-2.



Art.	€	Strap ribbon with turnbuckle	Ribbon width	Capacity	Hooks
0635	€ 29,40	5,50 + 0,50 m	35 mm	1000 kg	2
0650	€ 41,00	8,00 + 0,50 m	50 mm	2000 kg	2
0675	€ 206,00	10,00 + 1,00 m	75 mm	3000 kg	2

0635/25

€ 14,30

LASHING SYSTEM WITH POLYESTERE RIBBON DRAFT

EN 12195-2.



Strap ribbon mm 25 with turnbuckle and 2 hooks	4,00 + 0,30 m
Capacity	250 kg

x-1000
POLYESTER COLORED SLINGS

Double layer band lifting system, standard, security factor 7:1. EN 1492-1.

Art.	€	m	Width	Color	Eye length	Vertical capacity	Capacity basket	Basket capacity β 45° kg	Basket capacity β 60° kg	Capacity choker
1/1000	€ 14,20	1	50 mm	Purple	250 mm	1000 kg	2000 kg	1400	1000	800 kg
2/1000	€ 19,00	2	50 mm	Purple	250 mm	1000 kg	2000 kg	1400	1000	800 kg
3/1000	€ 22,50	3	50 mm	Purple	250 mm	1000 kg	2000 kg	1400	1000	800 kg
4/1000	€ 27,20	4	50 mm	Purple	250 mm	1000 kg	2000 kg	1400	1000	800 kg


x-2000
POLYESTER COLORED SLINGS

Double layer band lifting system, security factor 7:1. EN 1492-1.

Art.	€	m	Width	Color	Eye length	Vertical capacity	Capacity basket	Basket capacity β 45° kg	Basket capacity β 60° kg	Capacity choker
1/2000	€ 18,20	1	60 mm	Green	250 mm	2000 kg	4000 kg	2800	2000	1600 kg
2/2000	€ 26,10	2	60 mm	Green	250 mm	2000 kg	4000 kg	2800	2000	1600 kg
3/2000	€ 33,90	3	60 mm	Green	250 mm	2000 kg	4000 kg	2800	2000	1600 kg
4/2000	€ 41,00	4	60 mm	Green	250 mm	2000 kg	4000 kg	2800	2000	1600 kg
5/2000	€ 51,60	5	60 mm	Green	250 mm	2000 kg	4000 kg	2800	2000	1600 kg
6/2000	€ 60,40	6	60 mm	Green	250 mm	2000 kg	4000 kg	2800	2000	1600 kg


x-3000
POLYESTER COLORED SLINGS

Double layer band lifting system, security factor 7:1. EN 1492-1.

Art.	€	m	Width	Color	Eye length	Vertical capacity	Capacity basket	Basket capacity β 45° kg	Basket capacity β 60° kg	Capacity choker
1/3000	€ 24,90	1	90 mm	Yellow	300 mm	3000 kg	6000 kg	4200	3000	2400 kg
2/3000	€ 35,20	2	90 mm	Yellow	300 mm	3000 kg	6000 kg	4200	3000	2400 kg
3/3000	€ 49,20	3	90 mm	Yellow	300 mm	3000 kg	6000 kg	4200	3000	2400 kg
4/3000	€ 60,40	4	90 mm	Yellow	300 mm	3000 kg	6000 kg	4200	3000	2400 kg
5/3000	€ 69,60	5	90 mm	Yellow	300 mm	3000 kg	6000 kg	4200	3000	2400 kg
6/3000	€ 81,30	6	90 mm	Yellow	300 mm	3000 kg	6000 kg	4200	3000	2400 kg


FTx-1000
POLYESTER ROUND SLINGS

External sleeve security factor 7:1. EN 1492-2.

Art.	€	Ring	Color	Vertical	Capacity basket	Basket capacity β 45° kg	Basket capacity β 60° kg	Capacity choker
FT1/1000	€ 7,20	1 m	Purple	1000 kg	2000 kg	1400	1000	800 kg
FT2/1000	€ 10,10	2 m	Purple	1000 kg	2000 kg	1400	1000	800 kg
FT3/1000	€ 14,30	3 m	Purple	1000 kg	2000 kg	1400	1000	800 kg
FT4/1000	€ 18,40	4 m	Purple	1000 kg	2000 kg	1400	1000	800 kg
FT5/1000	€ 22,50	5 m	Purple	1000 kg	2000 kg	1400	1000	800 kg
FT6/1000	€ 26,80	6 m	Purple	1000 kg	2000 kg	1400	1000	800 kg


FTx-2000
POLYESTER ROUND SLINGS

External sleeve security factor 7:1. EN 1492-2.

Art.	€	Ring	Color	Vertical	Capacity basket	Basket capacity β 45° kg	Basket capacity β 60° kg	Capacity choker
FT1/2000	€ 10,10	1 m	Green	2000 kg	4000 kg	2800	2000	1600 kg
FT2/2000	€ 12,50	2 m	Green	2000 kg	4000 kg	2800	2000	1600 kg
FT3/2000	€ 21,00	3 m	Green	2000 kg	4000 kg	2800	2000	1600 kg
FT4/2000	€ 26,60	4 m	Green	2000 kg	4000 kg	2800	2000	1600 kg
FT5/2000	€ 29,50	5 m	Green	2000 kg	4000 kg	2800	2000	1600 kg
FT6/2000	€ 35,20	6 m	Green	2000 kg	4000 kg	2800	2000	1600 kg


FTx-3000
POLYESTER ROUND SLINGS

External sleeve security factor 7:1. EN 1492-2.

Art.	€	Ring	Color	Vertical	Capacity basket	Basket capacity β 45° kg	Basket capacity β 60° kg	Capacity choker
FT1/3000	€ 12,50	1 m	Yellow	3000 kg	6000 kg	4200	3000	2400 kg
FT2/3000	€ 18,50	2 m	Yellow	3000 kg	6000 kg	4200	3000	2400 kg
FT3/3000	€ 26,60	3 m	Yellow	3000 kg	6000 kg	4200	3000	2400 kg
FT4/3000	€ 34,60	4 m	Yellow	3000 kg	6000 kg	4200	3000	2400 kg
FT5/3000	€ 40,40	5 m	Yellow	3000 kg	6000 kg	4200	3000	2400 kg
FT6/3000	€ 50,60	6 m	Yellow	3000 kg	6000 kg	4200	3000	2400 kg



**0791-****WIRE ROPE PULLING HOIST**

For pulling and lifting



Art.	€	Max load	Cable	Net weight
0791/08	€ 373,00	800 kg	ø 8,3mm x 20m	11 kg
0791/16	€ 504,00	1600 kg	ø 11mm x 20m	24 kg
0791/32	€ 986,00	3200 kg	ø 16mm x 20m	50 kg

0066**€ 34,90****DOUBLE RATCHET HAND PULLER**

Max load	800 kg
Cable diameter	ø 5 mm
Max length	2 m
Net weight	2,7 kg

0070/C**€ 45,80****GEARED HAND WINCH**

Zinc-plated



Max load	500 kg
Throat width	50 mm
Max ø wheel	133 mm
Min. ø wheel	40 mm
Cable size	ø 4,5 mm x 10 m
Base dimensions	140 x 90 mm

0070**€ 35,30****GEARED HAND WINCH**

Frame in galvanized steel. Ergonomic handle



Max load	500 kg
Throat width	50 mm
Max ø wheel	133 mm
Min. ø wheel	40 mm
Base dimensions	140 x 90 mm

0590**€ 74,00****HAND OPERATED WINCH WITH BRAKE**

Max load	450 kg
Throat width	49 mm
Max ø wheel	110 mm
Min. ø wheel	45 mm
Overall dimensions without handle	170 x 150 x 125h mm



0068/S € 3510,00
TRUCK PALLET WITH SCALE AND PRINTER

Not legal for trade - tare function powered by rechargeable battery - polyurethane tire



Capacity	2000 kg
Weight capacity	2000 kg
Fork height	88 ÷ 200 mm
Fork dimensions	1150 x 568 mm
Reading	1 kg
Accuracy	±2 kg
Printer	Si/Yes
Front wheel	Doppia/Double
Net weight	160 kg

0068L € 2340,00
TRUCK PALLET WITH SCALE

Truck pallet with scale not legal for trade - tare function powered by replaceable batteries



Capacity	2000 kg
Weight capacity	2000 kg
Fork height	85 ÷ 175 mm
Fork dimensions	1150 x 570 mm
Reading	0,5 kg
Accuracy	±0,05% kg
Front wheel	Double
Net weight	125 kg

0028R € 686,00
LOWERED MANUAL PALLET TRUCK

With polyurethane wheels.



Capacity	2500 kg
Fork height	63 ÷ 165 mm
Fork dimensions	1150 x 540 mm
Armor plate thickness	3 mm
Front wheel	Double
Net weight	68,5 kg

0028 € 597,00
MANUAL TRUCK -PALLET

Polyurethane



Capacity	2500 kg
Fork height	85 ÷ 200 mm
Fork dimensions	1150 x 540 mm
Armor plate thickness	3 mm
Front wheel	Double
Net weight	71,5 kg

0064 € 690,00
MANUAL TRUCK -PALLET

Polyurethane



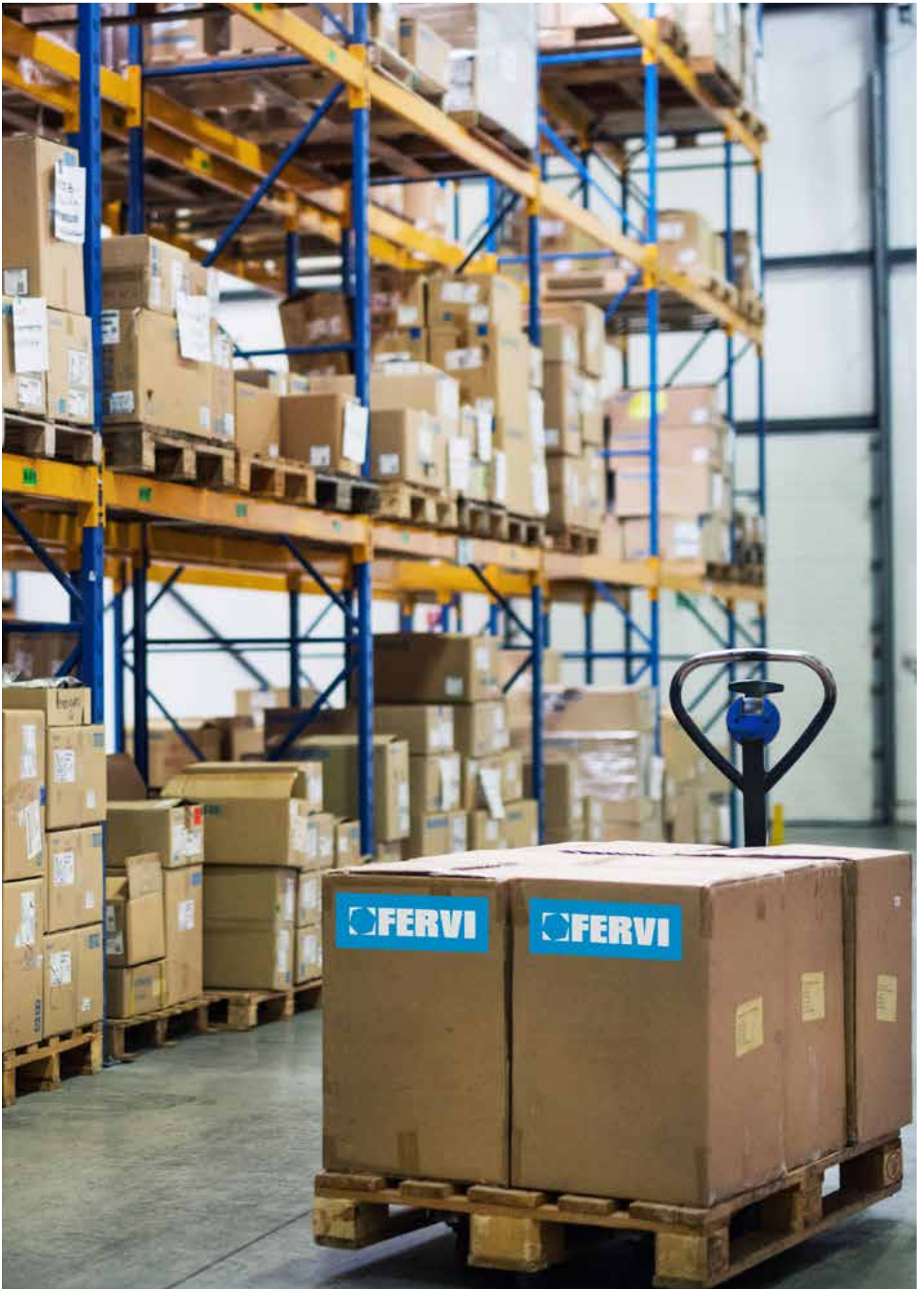
Capacity	2500 kg
Fork height	85 ÷ 200 mm
Fork dimensions	900 x 540 mm
Armor plate thickness	3 mm
Front wheel	Single
Net weight	68,5 kg

S2/800 € 1190,00
HIGH LIFT TRUCK-PALLET

Scissors



Capacity	1000 kg
Fork height	85 ÷ 800 mm
Fork dimensions	1170 x 540 mm
Tire	Polyurethane
Front wheel	Single
Net weight	117 kg



0782

€ 1130,00

PLATFORM STACKER WITH FORKS


Capacity	400 kg
Fork height	85 ÷ 1500 mm
Fork dimensions	545 x 650 mm
Platform	576 x 650 mm
Mobile wheels	Ø 127 x 40 mm
Fix wheels	Ø 75 x 40 mm
Tire	Polyurethane
Dimensions	1100 x 600 x 1725h mm
Net weight	95 kg


0143A

€ 1910,00

MANUAL STACKER

With brake and lifting foot pedal



Capacity	1000 kg
Fork height	90 ÷ 1600 mm
Fork dimensions	1150 x 550 mm
Fork section	160 x 55 mm
Upright height	2100 mm
Tire	Polyurethane
Front wheel	Double
Dimensions	920 x 1670 x 2100h mm
Net weight	250 kg


0143/25

€ 2110,00

MANUAL STACKER

With double telescopic mast, brake and lifting pedal



Capacity	1000 / 800 kg
Fork height	75 ÷ 1600 ÷ 2500 mm
Fork dimensions	1150 x 550 mm
Fork section	160 x 55 mm
Upright height	1840 mm
Tire	Polyurethane
Front wheel	Double
Dimensions	1670 x 920 x 1840h mm
Net weight	310 kg





0654-xL

TRANSPORT TROLLEY

With nylon wheels and hook for towing



Art.	€	Capacity	Working height	Roller dimensions	Wheels	Table dimensions	Handle length	Handle swivel range	Dimensions	Net weight
0654/06L	€ 571,00	6 Ton	110 mm	85 x 85 mm	8	Ø 170 mm	1080 mm	±90°	610 x 520 mm	41 kg
0654/09L	€ 640,00	9 Ton	110 mm	85 x 85 mm	12	Ø 170 mm	1080 mm	±90°	840 x 583 mm	59 kg
0654/12L	€ 891,00	12 Ton	110 mm	85 x 85 mm	16	Ø 170 mm	1080 mm	±90°	1030 x 620 mm	80 kg

0654-xF

TRANSPORT TROLLEY

With nylon wheels



Art.	€	Capacity	Working height	Roller dimensions	Wheels	Table dimensions	Lever bar length	Net weight
0654/06F	€ 389,00	6 Ton	110 mm	85 x 85 mm	4	200 x 220 mm	640 ÷ 1030 mm	30 kg
0654/09F	€ 520,00	9 Ton	110 mm	85 x 85 mm	6	200 x 320 mm	840 ÷ 1230 mm	43 kg
0654/12F	€ 592,00	12 Ton	110 mm	85 x 85 mm	8	200 x 407 mm	1104 ÷ 1430 mm	52 kg

C030-

SCRAP DUMPING CONTAINER EQUIPPED WITH WHEELS













Art.	€	Liters	A	B	C	E	F	H	I	L	Capacity	Wheels	Net weight
C030/0300	€ 1520,00	300	1280 mm	820 mm	395 mm	530 mm	650 mm	490 mm	700 mm	1010 mm	600 kg	Ø 125 mm x 165h mm	95 kg
C030/0500	€ 1720,00	500	1280 mm	920 mm	600 mm	750 mm	915 mm	710 mm	800 mm	1010 mm	1000 kg	Ø 180 mm x 210h mm	130 kg
C030/0750	€ 1900,00	750	1280 mm	1070 mm	730 mm	800 mm	1035 mm	830 mm	800 mm	1055 mm	1350 kg	Ø 180 mm x 210h mm	150 kg
C030/1000	€ 2040,00	1000	1510 mm	1070 mm	870 mm	925 mm	1220 mm	975 mm	800 mm	1255 mm	1700 kg	Ø 200 mm x 245h mm	182 kg
C030/1350	€ 2350,00	1350	1510 mm	1320 mm	870 mm	925 mm	1220 mm	975 mm	800 mm	1255 mm	2000 kg	Ø 200 mm x 245h mm	205 kg









WRENCHES

- p. 384  — Ratchets wrenches
- p. 385  — Double open end wrenches
- p. 385  — Combination spanners
- p. 388  — Ring spanners
- p. 390  — Tubular sockets
- p. 393  — Hex keys
- p. 395  — Tork keys
- p. 397  — T-handle swivel
- p. 398  — Filter wrenches
- p. 399  — Torque wrenches








SOCKET WRENCHES AND SCREW EXTRACTORS

- p. 402  — Quick-release ratchets
- p. 404  — Sockets
- p. 418  — Impact sockets
- p. 425  — Screw extractors










SCREWDRIVERS AND HAND RIVETERS

- p. 427  — Sockets screwdrivers
- p. 429  — Screwdrivers
- p. 433  — Precision screwdrivers
- p. 434  — Hex bits
- p. 440  — Hand riveters








PLIERS, HAMMERS, FILES AND CHISELS

- p. 442  — Pliers
- p. 446  — Grip pliers
- p. 446  — Pipe wrenches
- p. 448  — Hammers
- p. 451  — Chisels
- p. 453  — Files
- p. 456  — Levers



UTILITY KNIVES, DEBURRING AND CUTTING TOOLS

- p. 457  — Utility knives
- p. 459  — Snaggers
- p. 461  — Jigsaws arches
- p. 462  — Scissors
- p. 463  — Tube and bolt cutters






SETS AND FASTENINGS

- p. 466  — Staplers and brad nailers
- p. 466  — Sets



CONSTRUCTION AND PACKAGING

- p. 471  — Guns for chemicals
- p. 472  — Trowels and putty knives
- p. 473  — Packaging material



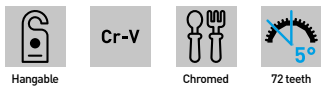
TOOL KITS

- p. 474  — Tool rolling cabinets with tools
- p. 478  — Series of tools in trays
- p. 484  — Tool boxes with tools

0690- PRO

RATCHET FLEXIBLE HEAD COMBINATION SPANNER

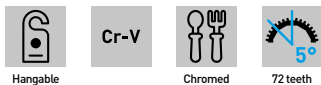
DIN 3113.



Art.	€	Size	Length
0690/08	€ 10,90	8 mm	150 mm
0690/09	€ 10,90	9 mm	150 mm
0690/10	€ 13,50	10 mm	160 mm
0690/11	€ 13,50	11 mm	170 mm
0690/12	€ 13,50	12 mm	170 mm
0690/13	€ 13,50	13 mm	185 mm
0690/14	€ 17,20	14 mm	205 mm
0690/15	€ 17,20	15 mm	205 mm
0690/16	€ 17,20	16 mm	230 mm
0690/17	€ 18,50	17 mm	230 mm
0690/18	€ 19,50	18 mm	250 mm
0690/19	€ 20,80	19 mm	250 mm

0700-

RATCHET GEAR WRENCHES

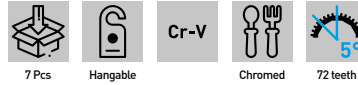


Art.	€	Size	Length
0700/08	€ 8,60	8 mm	140 mm
0700/09	€ 8,70	9 mm	150 mm
0700/10	€ 8,80	10 mm	160 mm
0700/11	€ 9,60	11 mm	165 mm
0700/12	€ 10,00	12 mm	172 mm
0700/13	€ 10,70	13 mm	180 mm
0700/14	€ 11,40	14 mm	190 mm
0700/15	€ 12,10	15 mm	220 mm
0700/16	€ 12,90	16 mm	221 mm
0700/17	€ 14,20	17 mm	225 mm
0700/18	€ 14,60	18 mm	238 mm
0700/19	€ 15,10	19 mm	248 mm

0690/07P PRO € 99,00

RATCHET FLEXIBLE HEAD COMBINATION SPANNER SET

DIN 3113.

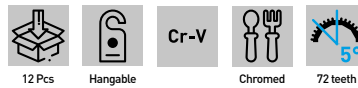


Sizes 8 - 10 - 11 - 13 - 15 - 17 - 19 mm

0690/12P PRO € 158,00

RATCHET FLEXIBLE HEAD COMBINATION SPANNER SET

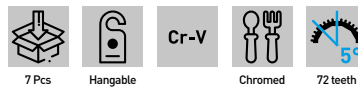
DIN 3113.



Sizes 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm

0700/07P € 69,30

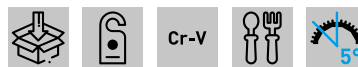
RATCHET COMBINATION SPANNER SET



Sizes 8 - 10 - 11 - 13 - 15 - 17 - 19 mm

0700/12P € 125,00

RATCHET COMBINATION SPANNER SET



Sizes 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm



0546

€ 52,60

SATIN FINISH COMBINATION SPANNER SET

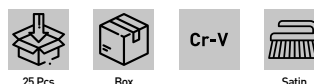
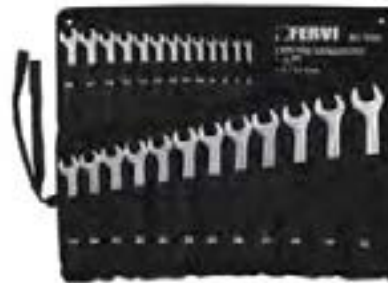


Sizes 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 17 - 19 - 22 mm

0544

€ 138,00

COMBINATION SPANNER SET

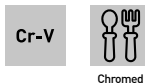


Sizes 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-30-32 mm

0201-

DOUBLE OPEN END MIRROR POLISH LONG PATTERN WRENCH

DIN 3110.



Art.	€	Size	Length
0201/06X07	€ 1,99	6x7 mm	122 mm
0201/08X09	€ 2,60	8x9 mm	140 mm
0201/10X11	€ 2,60	10x11 mm	156 mm
0201/12X13	€ 3,74	12x13 mm	172 mm
0201/14X15	€ 3,74	14x15 mm	190 mm
0201/16X17	€ 4,63	16x17 mm	190 mm
0201/18X19	€ 5,60	18x19 mm	225 mm
0201/20X22	€ 6,40	20x22 mm	235 mm
0201/21X23	€ 7,50	21x23 mm	250 mm
0201/24X27	€ 8,10	24x27 mm	265 mm

Art.	€	Size	Length
0201/25X28	€ 10,20	25x28 mm	280 mm
0201/30X32	€ 10,80	30x32 mm	300 mm
0201/32X36	€ 11,90	32x36 mm	325 mm
0201/34X36	€ 12,70	34x36 mm	325 mm
0201/35X38	€ 13,70	35x38 mm	330 mm
0201/36X41	€ 15,50	36x41 mm	360 mm
0201/41X46	€ 26,40	41x46 mm	400 mm
0201/46X50	€ 35,50	46x50 mm	450 mm
0201/50X55	€ 51,80	50x55 mm	485 mm
0201/55X60	€ 59,00	55x60 mm	520 mm

0200

€ 31,90

DOUBLE OPEN END MIRROR POLISH LONG PATTERN WRENCH SET

DIN 3110.



Sizes 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm

0201

€ 73,80

DOUBLE OPEN END MIRROR POLISH LONG PATTERN WRENCH SET

DIN 3110.

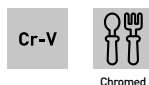


Sizes 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 - 21x23 - 24x27 - 25x28 - 30x32 mm

0208-

MIRROR POLISH LONG PATTERN COMBINATION SPANNER

DIN 3113.

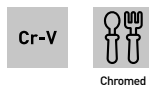


Art.	€	Size	Length
0208/06	€ 3,74	6 mm	100 mm
0208/07	€ 3,74	7 mm	110 mm
0208/08	€ 3,74	8 mm	120 mm
0208/09	€ 3,74	9 mm	130 mm
0208/10	€ 3,83	10 mm	140 mm
0208/11	€ 3,83	11 mm	150 mm
0208/12	€ 3,83	12 mm	160 mm
0208/13	€ 3,83	13 mm	170 mm
0208/14	€ 5,70	14 mm	180 mm
0208/15	€ 5,70	15 mm	190 mm
0208/16	€ 5,70	16 mm	200 mm
0208/17	€ 6,40	17 mm	210 mm
0208/18	€ 6,40	18 mm	220 mm
0208/19	€ 7,50	19 mm	230 mm
0208/20	€ 9,30	20 mm	240 mm
0208/21	€ 9,30	21 mm	250 mm
0208/22	€ 10,80	22 mm	260 mm
0208/23	€ 11,30	23 mm	270 mm
0208/24	€ 12,20	24 mm	280 mm
0208/25	€ 12,20	25 mm	290 mm
0208/26	€ 12,20	26 mm	300 mm
0208/27	€ 13,30	27 mm	310 mm
0208/28	€ 13,30	28 mm	320 mm
0208/30	€ 13,30	30 mm	340 mm
0208/32	€ 15,20	32 mm	360 mm
0208/34	€ 16,30	34 mm	380 mm
0208/36	€ 17,30	36 mm	400 mm
0208/38	€ 19,10	38 mm	400 mm
0208/41	€ 24,60	41 mm	440 mm
0208/46	€ 33,60	46 mm	490 mm
0208/50	€ 39,20	50 mm	530 mm

0199P-

MIRROR POLISH LONG PATTERN COMBINATION SPANNER

DIN 3113 Inches



Art.	€	Size	Length
0199P/1/4	€ 2,21	1/4"	100 mm
0199P/5/16	€ 2,42	5/16"	120 mm
0199P/3/8	€ 3,02	3/8"	140 mm
0199P/7/16	€ 3,12	7/16"	150 mm
0199P/1/2	€ 3,12	1/2"	170 mm
0199P/9/16	€ 3,93	9/16"	180 mm
0199P/5/8	€ 4,54	5/8"	200 mm
0199P/11/16	€ 4,74	11/16"	210 mm
0199P/3/4	€ 5,40	3/4"	230 mm
0199P/13/16	€ 6,40	13/16"	250 mm
0199P/7/8	€ 7,00	7/8"	260 mm
0199P/15/16	€ 10,20	15/16"	280 mm
0199P/1	€ 10,70	1"	290 mm

0199

€ 52,60

MIRROR POLISH LONG PATTERN COMBINATION SPANNER SET

DIN 3113.



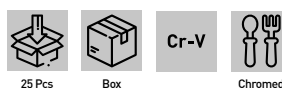
Sizes 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 17 - 19 - 22 mm

0208

€ 126,00

MIRROR POLISH LONG PATTERN COMBINATION SPANNER SET

DIN 3113.



Sizes 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-30-32 mm

0204

€ 161,00

MIRROR POLISH LONG PATTERN COMBINATION SPANNER SET

DIN 3113.



Sizes 34 - 36 - 38 - 41 - 46 - 50 mm

0199P

€ 62,20

MIRROR POLISH LONG PATTERN COMBINATION SPANNER SET

DIN 3113 Inches



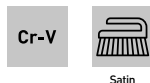
Size 1/4" - 5/16" - 3/8" - 7/16" - 1/2" - 9/16" - 5/8" - 11/16" - 3/4" - 13/16" - 7/8" - 15/16" - 1"



0222-

DOUBLE OPEN END WRENCH

DIN 3110.



Art.	€	Size	Length
0222/06X07	€ 1,37	6x7 mm	122 mm
0222/08X09	€ 1,59	8x9 mm	140 mm
0222/10X11	€ 1,81	10x11 mm	155 mm
0222/12X13	€ 2,04	12x13 mm	170 mm
0222/14X15	€ 2,16	14x15 mm	190 mm
0222/16X17	€ 2,61	16x17 mm	205 mm
0222/18X19	€ 2,95	18x19 mm	220 mm
0222/20X22	€ 3,40	20x22 mm	235 mm
0222/21X23	€ 4,54	21x23 mm	250 mm
0222/24X27	€ 7,50	24x27 mm	265 mm
0222/25X28	€ 7,50	25x28 mm	280 mm
0222/30X32	€ 8,20	30x32 mm	300 mm

0224-

COMBINATION SPANNER

DIN 3113.



Art.	€	Size	Length
0224/06	€ 1,25	6 mm	100 mm
0224/07	€ 1,25	7 mm	110 mm
0224/08	€ 1,25	8 mm	120 mm
0224/09	€ 1,31	9 mm	130 mm
0224/10	€ 1,37	10 mm	140 mm
0224/11	€ 1,67	11 mm	150 mm
0224/12	€ 1,67	12 mm	160mm
0224/13	€ 1,67	13 mm	170 mm
0224/14	€ 2,07	14 mm	180 mm
0224/15	€ 2,07	15 mm	190 mm
0224/16	€ 2,07	16 mm	200 mm
0224/17	€ 2,07	17 mm	210 mm
0224/18	€ 2,07	18 mm	220 mm
0224/19	€ 3,52	19 mm	230 mm
0224/20	€ 5,20	20 mm	240 mm
0224/21	€ 5,40	21 mm	250 mm
0224/22	€ 5,40	22 mm	260 mm
0224/23	€ 5,50	23 mm	270 mm
0224/24	€ 5,50	24 mm	280 mm
0224/25	€ 6,10	25 mm	290 mm
0224/26	€ 6,90	26 mm	300 mm
0224/27	€ 7,90	27 mm	310 mm
0224/28	€ 9,30	28 mm	320 mm
0224/30	€ 9,90	30 mm	340 mm
0224/32	€ 11,30	32 mm	360 mm
0224/34	€ 12,20	34 mm	380 mm
0224/36	€ 17,30	36 mm	400 mm

0221

DOUBLE OPEN END WRENCH SET

DIN 3110.

€ 16,70



Sizes 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm

0222

DOUBLE OPEN END WRENCH SET

DIN 3110.

€ 40,40



Sizes 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 - 21x23 - 24x27 - 25x28 - 30x32 mm

0073

COMBINATION SPANNER

DIN 3113.

€ 18,10



Sizes 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 17 - 19 - 22 mm

0223

COMBINATION SPANNER

DIN 3113.

€ 71,60



Sizes 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-30-32 mm

0476-

MIRROR POLISH RING SPANNERS

DIN 838.



Art.	€	Size	Length
0476/06X07	€ 2,29	6 x 7 mm	165 mm
0476/08X09	€ 2,49	8 x 9 mm	180 mm
0476/10X11	€ 2,60	10 x 11 mm	195 mm
0476/12X13	€ 2,71	12 x 13 mm	215 mm
0476/14X15	€ 3,33	14 x 15 mm	240 mm
0476/16X17	€ 3,74	16 x 17 mm	260 mm
0476/18X19	€ 4,14	18 x 19 mm	320 mm
0476/20X22	€ 5,80	20 x 22 mm	320 mm
0476/21X23	€ 6,30	21 x 23 mm	325 mm
0476/24X27	€ 8,10	24 x 27 mm	335 mm
0476/25X28	€ 9,30	25 x 28 mm	345 mm
0476/30X32	€ 11,30	30 x 32 mm	360 mm

0477

€ 28,10

MIRROR POLISH RING SPANNER SET

DIN 838.



0476

€ 64,40

MIRROR POLISH RING SPANNER SET

DIN 838.



Sizes 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm



Sizes 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 - 21x23 - 24x27 - 25x28 - 30x32 mm

0895-

PRO

PERCUSSION OPEN WRENCHES

DIN 133.



Art.	€	Size	Length
0895/24	€ 12,90	24 mm	160 mm
0895/27	€ 13,90	27 mm	180 mm
0895/30	€ 15,50	30 mm	195 mm
0895/32	€ 16,70	32 mm	195 mm
0895/36	€ 19,70	36 mm	215 mm
0895/38	€ 22,10	38 mm	215 mm
0895/41	€ 25,20	41 mm	235 mm
0895/46	€ 28,70	46 mm	255 mm
0895/50	€ 39,20	50 mm	280 mm
0895/55	€ 45,40	55 mm	310 mm
0895/60	€ 54,40	60 mm	320 mm
0895/65	€ 76,60	65 mm	345 mm
0895/70	€ 95,80	70 mm	370 mm

0896-

PRO

POLYGONAL PERCUSSION WRENCHES

DIN 7444.

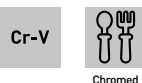


Art.	€	Size	Length
0896/24	€ 12,90	24 mm	160 mm
0896/27	€ 13,90	27 mm	180 mm
0896/30	€ 15,50	30 mm	195 mm
0896/32	€ 16,70	32 mm	195 mm
0896/36	€ 19,70	36 mm	205 mm
0896/38	€ 22,10	38 mm	215 mm
0896/41	€ 25,20	41 mm	230 mm
0896/46	€ 28,70	46 mm	240 mm
0896/50	€ 35,30	50 mm	255 mm
0896/55	€ 40,30	55 mm	270 mm
0896/60	€ 49,40	60 mm	280 mm
0896/65	€ 71,60	65 mm	300 mm
0896/70	€ 89,80	70 mm	325 mm



0196-

STUBBY MIRROR POLISH COMBINATION SPANNERS

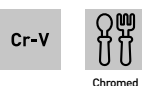


Art.	€	Size	Length
0196/10	€ 2,32	10 mm	95 mm
0196/11	€ 2,52	11 mm	105 mm
0196/12	€ 2,72	12 mm	105 mm
0196/13	€ 3,02	13 mm	110 mm
0196/14	€ 3,23	14 mm	115 mm
0196/15	€ 3,53	15 mm	115 mm
0196/16	€ 3,73	16 mm	125 mm
0196/17	€ 3,83	17 mm	130 mm
0196/18	€ 4,14	18 mm	140 mm
0196/19	€ 4,23	19 mm	140 mm

0134-

FLAT POLYGONAL WRENCH

DIN 837.



Art.	€	Size	Length
0134/06X07	€ 3,63	6 x 7 mm	100 mm
0134/08X09	€ 4,03	8 x 9 mm	115 mm
0134/10X11	€ 4,23	10 x 11 mm	130 mm
0134/12X13	€ 4,54	12 x 13 mm	145 mm
0134/14X15	€ 4,94	14 x 15 mm	160 mm
0134/16X17	€ 5,40	16 x 17 mm	170 mm
0134/18X19	€ 5,80	18 x 19 mm	185 mm
0134/20X22	€ 6,50	20 x 22 mm	205 mm

0196

€ 26,40

STUBBY MIRROR POLISH COMBINATION SPANNER SET



Sizes 10-11-12-13-14-15-16-17-18-19 mm

0134S

€ 31,90

FLAT RING SPANNER SET

DIN 837.



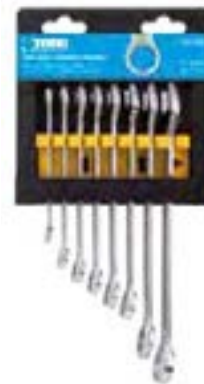
Sizes 100 - 6x7 mm, 115 - 8x9 mm, 130 - 10x11 mm, 145 - 12x13 mm, 160 - 14x15 mm, 170 - 16x17 mm, 185 - 18x19 mm, 205 - 20x20 mm

0187

€ 38,30

MULTILOCK COMBINATION SPANNER SET

DIN 3113, suitable for metric, inch, torx and XZN bolt.



Sizes 8 - 10 - 11 - 12 - 13 - 14 - 17 - 19 mm
 Inch size 5/16" - 3/8" - 7/16" - 15/32" - 1/2" - 9/16" - 11/16" - 3/4"
 Torx size E10 - E12 - E14 - E16 - E18 - E22 - E24
 XZN size M8 - M10 - M11 - M12 - M13 - M14 - M17 - M19

0541S

€ 29,30

FLARE NUT WRENCH SET

DIN 3118, 6 point from 8mm to 14mm, 12 point from 17mm to 22mm.



Sizes 140-8x10 mm, 150-9x11 mm, 175-11x13 mm, 175-12x14 mm, 210-17x19 mm, 220-19x22 mm

0614-

HALF MOON RING SPANNERS

DIN 838.



Art.	€	Size
0614/08X10	€ 4,54	8 x 10 mm
0614/10X12	€ 4,91	10 x 12 mm
0614/11X13	€ 5,30	11 x 13 mm
0614/13X15	€ 5,70	13 x 15 mm
0614/14X17	€ 6,80	14 x 17 mm
0614/16X18	€ 8,40	16 x 18 mm
0614/19X22	€ 9,10	19 x 22 mm

0084-

ADJUSTABLE WRENCHES

DIN 3117.



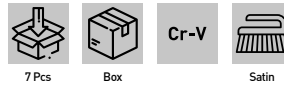
Art.	€	Size	Opening
0084/150	€ 5,40	6"-150 mm	18 mm
0084/250	€ 9,60	10"- 250 mm	30 mm
0084/375	€ 27,10	15"- 375 mm	48 mm

0614

€ 45,40

SET OF HALF MOON RING SPANNERS

DIN 838.

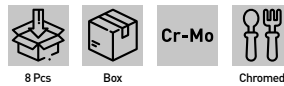


Sizes 8x10 - 10x12 - 11x13 - 13x15 - 14x17 - 16x18 - 19x22 mm

0714

NEW € 119,00

HOOK WRENCHES SET

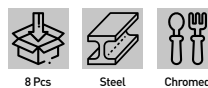


Model 35 ÷ 120
Sizes 35÷60 60÷90 90÷120

0266

€ 1,58

GAS SPANNER



Size 25 mm
Pack 10

0340S

€ 58,40

DOUBLE HEAD SOCKET WRENCH SET

Ideal for loosen and tighten nuts and bolts located in positions hard to get



Sizes 8x9-10x11-12x13-14x15-16x17-18x19 mm



0393- **NEW**

DOUBLE ENDED HEXAGON/BI-HEX SOCKET WRENCHES



Art.	€	Size	Length
0393/06	€ 5,70	6 mm	100 mm
0393/07	€ 5,70	7 mm	105 mm
0393/08	€ 5,70	8 mm	115 mm
0393/09	€ 5,90	9 mm	120 mm
0393/10	€ 6,10	10 mm	130 mm
0393/11	€ 6,80	11 mm	135 mm
0393/12	€ 7,10	12 mm	145 mm
0393/13	€ 7,70	13 mm	150 mm
0393/14	€ 8,20	14 mm	160 mm
0393/15	€ 8,60	15 mm	170 mm
0393/16	€ 9,00	16 mm	180 mm
0393/17	€ 9,70	17 mm	185 mm
0393/18	€ 10,80	18 mm	200 mm
0393/19	€ 11,60	19 mm	200 mm
0393/20	€ 13,00	20 mm	210 mm
0393/21	€ 13,70	21 mm	220 mm
0393/22	€ 14,80	22 mm	230 mm

0442- **PRO**

HEXAGONAL TUBULAR SOCKET WRENCHES

DIN 899, mirror polish with hexagonal body.



Art.	€	Size	Length
0442/06X07	€ 6,80	6 x 7 mm	105 mm
0442/08X09	€ 7,30	8 x 9 mm	110 mm
0442/10X11	€ 7,90	10 x 11 mm	120 mm
0442/12X13	€ 8,80	12 x 13 mm	140 mm
0442/14X15	€ 9,90	14 x 15 mm	145 mm
0442/16X17	€ 11,30	16 x 17 mm	155 mm
0442/18X19	€ 13,80	18 x 19 mm	165 mm
0442/20X22	€ 17,30	20 x 22 mm	170 mm

0393/A **NEW** € 103,00

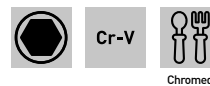
DOUBLE ENDED HEXAGON/BI-HEX SOCKET WRENCHES SET



Sizes 6-7-8-10-11-12-13-14-17-19

0393 € 76,60

"L" HEX SOCKET SPANNER



Sizes 6 - 7 - 8 - 10 - 11 - 12 - 13 - 14 - 17 - 19 - 22 mm

0442 **PRO** € 88,70

HEXAGONAL TUBULAR SOCKET WRENCH SET

DIN 899, mirror polish with hexagonal body.



Sizes 105 - 6x7 mm, 110 - 8x9 mm, 120 - 10x11 mm, 140 - 12x13 mm, 145 - 14x15 mm, 155 - 16x17 mm, 165 - 18x19 mm, 170 - 20x22 mm

0540-

HEXAGONAL TUBULAR SOCKET WRENCH

Light model



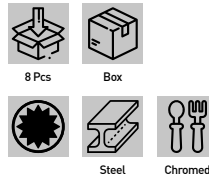
Art.	€	Size	Length
0540/06X07	€ 2,12	6 x 7 mm	110 mm
0540/08X09	€ 2,24	8 x 9 mm	120 mm
0540/10X11	€ 2,28	10 x 11 mm	125 mm
0540/12X13	€ 2,42	12 x 13 mm	135 mm
0540/14X15	€ 2,58	14 x 15 mm	135 mm
0540/16X17	€ 3,02	16 x 17 mm	150 mm
0540/18X19	€ 3,40	18 x 19 mm	160 mm
0540/20X22	€ 3,79	20 x 22 mm	170 mm

0540S

€ 18,50

HEXAGONAL TUBULAR SOCKET WRENCH SET

Light model, with tommy bar



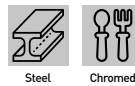
Sizes 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 mm

0540/3

€ 3,02

TOMMY BAR

3 step



Length 165 mm
 ø 9,5 - 7,5 - 6 mm





0090-

MALE HEX KEY SET

DIN 911.



Art.	€	L1	L2	Pack
0090/015	€ 0,64	45 mm	14 mm	10
0090/02	€ 0,64	50 mm	16 mm	10
0090/025	€ 0,64	56 mm	18 mm	10
0090/03	€ 0,69	63 mm	20 mm	10
0090/04	€ 0,69	70 mm	25 mm	10
0090/05	€ 1,04	80 mm	28 mm	10
0090/06	€ 1,25	90 mm	32 mm	10
0090/08	€ 1,88	100 mm	36 mm	5
0090/10	€ 2,29	112 mm	40 mm	5
0090/12	€ 3,52	125 mm	45 mm	5
0090/14	€ 5,00	140 mm	56 mm	5
0090/17	€ 6,50	160 mm	63 mm	5
0090/19	€ 10,50	180 mm	70 mm	5

0558/GE

€ 13,90

HEX KEY SET

With ph and slot screwdriver head, with multipurpose handle that can be used as a t-handle or as a key extension.



Sizes	2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm
Cross screwdriver	PH0 (3mm) - PH1 (4mm) - PH2 (5mm)
Slotted screwdriver	6mm

0545/EF

PRO € 32,80

BALL POINT COLORED HEX KEY SERIES

DIN 911.

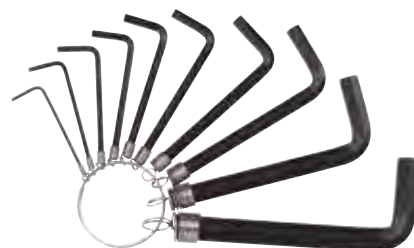


Sizes	1.5 - 2 - 2.5 - 3 - 4 - 5 - 6 - 8 - 10 mm
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0090

€ 2,82

HEX KEY SET



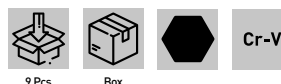
Sizes	1,5 - 2 - 2,5 - 3 - 3,5 - 4 - 5 - 6 - 8 - 10 mm
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0269

€ 5,50

HEX KEY SET

DIN 911.



Sizes	1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm
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0215X

BALL POINT HEX KEY SET , LONG TYPE

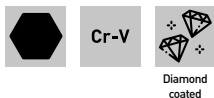
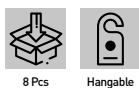


Art.	€	Size
0215	€ 11,90	1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10
0215P	€ 11,90	1/16" - 5/64" - 3/32" - 1/8" - 5/32" - 3/16" - 1/4" - 5/16" - 3/8"

0558/EM **PRO** € 17,50

HEX KEY SET WITH DIAMOND TIP

DIN ISO 2936, the diamond tip allows a perfect grip, avoiding to ruin the head of the screw. This type of tip is also very effective with already ruined screws.

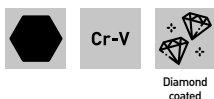
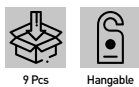


Sizes 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 mm

0558/EP **PRO** € 17,50

HEX KEY SET WITH DIAMOND TIP

DIN ISO 2936, the diamond tip allows a perfect grip, avoiding to ruin the head of the screw. This type of tip is also very effective with already ruined screws.

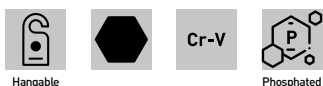


Sizes 5/64" - 3/32" - 7/64" - 1/8" - 9/64" - 5/32" - 3/16" - 7/32" - 1/4"

C856- **PRO**

BALL POINT TWO WAY HEX KEY WITH PLASTIC HANDLE

DIN ISO 2936.

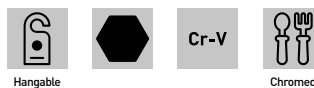


Art.	€	Size	Length
C856/02.5	€ 4,03	2.5 mm	175 mm
C856/03	€ 4,03	3 mm	175 mm
C856/04	€ 4,23	4 mm	175 mm
C856/05	€ 4,54	5 mm	175 mm
C856/06	€ 6,40	6 mm	175 mm
C856/08	€ 7,00	8 mm	170 mm
C856/10	€ 9,70	10 mm	170 mm

0856-

BALL POINT TWO WAY HEX KEY WITH ANATOMIC PLASTIC HANDLE

DIN 911.

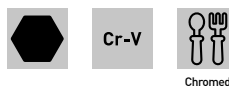


Art.	€	Size	Length
0856/02	€ 2,52	2 mm	100 mm
0856/02.5	€ 2,52	2,5 mm	100 mm
0856/03	€ 2,62	3 mm	100 mm
0856/04	€ 2,82	4 mm	100 mm
0856/05	€ 3,93	5 mm	150 mm
0856/06	€ 4,33	6 mm	150 mm
0856/08	€ 6,10	8 mm	200 mm
0856/10	€ 6,30	10 mm	200 mm

0400-

MALE "T" HANDLE HEX WRENCHES

DIN ISO 2936, with sliding bar making it versatile for use in difficult situations and under extreme conditions.



Art.	€	Size	Dimensions
0400/02	€ 8,70	2 mm	125 x 65 mm
0400/025	€ 8,70	2,5 mm	125 x 65 mm
0400/03	€ 8,70	3 mm	125 x 65 mm
0400/035	€ 8,70	3,5 mm	125 x 65 mm
0400/04	€ 9,30	4 mm	180 x 90 mm
0400/045	€ 9,30	4,5 mm	180 x 90 mm
0400/05	€ 9,30	5 mm	180 x 90 mm
0400/06	€ 9,80	6 mm	210 x 105 mm
0400/07	€ 9,80	7 mm	250 x 105 mm
0400/08	€ 11,30	8 mm	250 x 125 mm
0400/09	€ 13,70	9 mm	300 x 145 mm
0400/10	€ 13,70	10 mm	300 x 145 mm
0400/12	€ 19,40	12 mm	320 x 165 mm
0400/14	€ 24,80	14 mm	340 x 170 mm



0400 € 66,50

MALE "T" HANDLE HEX WRENCH SET

DIN ISO 2936, with sliding bar making them versatile for use in difficult situations and under extreme conditions.



Sizes 2 - 3 - 4 - 5 - 6 - 8 - 10 mm

0190 **PRO** € 74,60

3-WAY SPEEDY HEX KEY WRENCH SET

With practical "speedy" rotating handle for increased working velocity



Sizes 2 - 3 - 4 - 5 - 6 - 8 - 10 mm

0220 € 14,00

TORX KEY SET LONG TYPE

DIN 911, with tamper resistant head (hole).

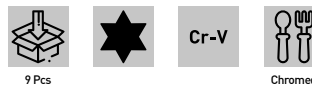


Sizes T10 - T15 - T20 - T25 - T27 - T30 - T40 - T45 - T50

0220/C **NEW** € 8,60

TORX KEY SET SHORT TYPE

With tamper resistant head (Hole)



Sizes T10 - T15 - T20 - T25 - T27 - T30 - T40 - T45 - T50

0545/TF **PRO** € 35,30

COLORED TORX KEY SERIES

DIN 911.



Sizes T10 - T15 - T20 - T25 - T27 - T30 - T40 - T45 - T50

0558/TX **PRO** € 17,50

TORX KEY SET WITH DIAMOND TIP

DIN ISO 2936, the diamond tip allows a perfect grip, avoiding to ruin the head of the screw. This type of tip is also very effective with already ruined screws.



Sizes T9 - T10 - T15 - T20 - T25 - T27 - T30 - T40

0855-

TWO WAY TORX AND TAMPERED KEY WITH ANATOMIC PLASTIC HANDLE



Art.	€	Size	Length
0855/T10	€ 2,52	T10	100 mm
0855/T15	€ 2,52	T15	100 mm
0855/T20	€ 2,82	T20	100 mm
0855/T25	€ 3,33	T25	100 mm
0855/T30	€ 3,93	T30	150 mm
0855/T40	€ 5,00	T40	150 mm

PRO

C855-

TWO WAY TORX KEY WITH PLASTIC HANDLE

DIN ISO 2936.



Art.	€	Size	Length
C855/T10	€ 4,03	T10	175 mm
C855/T15	€ 4,03	T15	175 mm
C855/T20	€ 4,54	T20	175 mm
C855/T25	€ 5,40	T25	175 mm
C855/T27	€ 5,40	T27	175 mm
C855/T30	€ 6,40	T30	175 mm
C855/T40	€ 8,10	T40	170 mm
C855/T50	€ 9,60	T50	170 mm

0405-

MALE "T" HANDLE TORX WRENCH

DIN ISO 2936, with sliding bar making it versatile for use in difficult situations and under extreme conditions.



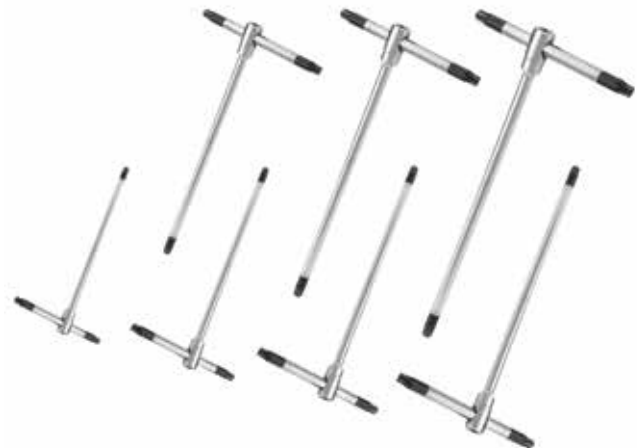
Art.	€	Size	Length
0405/T06	€ 9,90	T06	125 mm
0405/T07	€ 9,90	T07	125 mm
0405/T08	€ 9,90	T08	125 mm
0405/T09	€ 9,90	T09	125 mm
0405/T10	€ 9,90	T10	125 mm
0405/T15	€ 9,90	T15	125 mm
0405/T20	€ 9,90	T20	125 mm
0405/T25	€ 10,20	T25	180 mm
0405/T27	€ 10,20	T27	180 mm
0405/T30	€ 10,20	T30	180 mm
0405/T40	€ 12,20	T40	210 mm
0405/T45	€ 13,30	T45	210 mm
0405/T50	€ 14,30	T50	210 mm

€ 67,40

0405

MALE "T" HANDLE TORX WRENCH SET

DIN ISO 2936, with sliding bar making them versatile for use in difficult situations and under extreme conditions.



Sizes

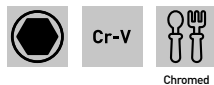
T8-T9-T10-T15-T20-T25-T30



0359-

T-HANDLE SPARK PLUG SOCKET WRENCH

DIN 3124.

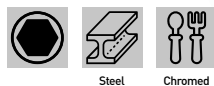


Art.	€	Size	Length
0359/14L	€ 23,20	14 mm	530 mm
0359/16L	€ 23,20	16 mm	530 mm
0359/21L	€ 25,20	20,8 mm	530 mm
0359/16	€ 19,10	16 mm	275 mm

007X

SPAR K PLUG WRENCH

DIN 899.



Art.	€	Size	Length
0078	€ 7,00	20,8	500 mm
0079	€ 7,00	16 mm	510 mm

C395-

T HANDLE MAGNETIC SWIVEL HEX SOCKET

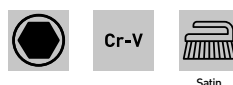
DIN 3124.



Art.	€	Size	Length
C395/06	€ 17,70	6 mm	390 mm
C395/07	€ 17,70	7 mm	390 mm
C395/08	€ 17,70	8 mm	390 mm
C395/09	€ 17,70	9 mm	390 mm
C395/10	€ 20,00	10 mm	500 mm
C395/11	€ 20,00	11 mm	500 mm
C395/12	€ 20,00	12 mm	500 mm
C395/13	€ 20,90	13 mm	500 mm
C395/14	€ 20,90	14 mm	500 mm
C395/15	€ 23,70	15 mm	500 mm
C395/16	€ 23,70	16 mm	500 mm
C395/17	€ 23,70	17 mm	500 mm
C395/18	€ 24,70	18 mm	500 mm
C395/19	€ 26,20	19 mm	500 mm

C245-

T-HANDLE DEEP SOCKET WRENCHES



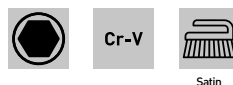
Art.	€	Size	Length
C245/06	€ 14,20	6 mm	320 mm
C245/07	€ 14,20	7 mm	320 mm
C245/08	€ 14,20	8 mm	320 mm
C245/09	€ 14,20	9 mm	320 mm
C245/10	€ 14,60	10 mm	320 mm
C245/11	€ 14,60	11 mm	320 mm
C245/12	€ 15,10	12 mm	320 mm
C245/13	€ 15,10	13 mm	320 mm
C245/14	€ 16,10	14 mm	320 mm
C245/17	€ 18,60	17 mm	320 mm
C245/19	€ 23,20	19 mm	320 mm

C391-

T-HANDLE SWIVEL HEX SOCKET

PRO

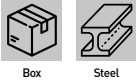
DIN 896, heavy duty.



Art.	€	Size	Length
C391/06	€ 20,20	6 mm	395 mm
C391/07	€ 20,20	7 mm	395 mm
C391/08	€ 20,20	8 mm	395 mm
C391/09	€ 20,20	9 mm	400 mm
C391/10	€ 22,10	10 mm	400 mm
C391/11	€ 22,10	11 mm	400 mm
C391/12	€ 22,10	12 mm	400 mm
C391/13	€ 24,20	13 mm	432 mm
C391/14	€ 24,20	14 mm	432 mm
C391/15	€ 29,30	15 mm	450 mm
C391/16	€ 29,30	16 mm	450 mm
C391/17	€ 29,30	17 mm	450 mm
C391/18	€ 29,30	18 mm	450 mm
C391/19	€ 32,30	19 mm	500 mm

0352-

BELT OIL FILTER WRENCH

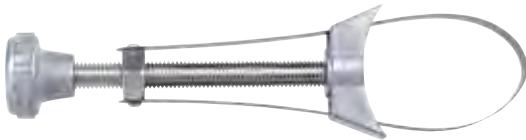


Art.	€	Filter maximum diameter	Belt
0352/01	€ 20,00	180 mm	610 mm
0352/02	€ 21,70	220 mm	800 mm

0076

€ 4,54

TAPE OIL FILTER WRENCH



Filter maximum diameter	120 mm
Belt	195 mm

0018/15

€ 64,40

OIL FILTER WRENCH SET

Useful for the removal of oil filters for many vehicles. an adapter with 3/8" male and 1/2" female drives is included in the set.

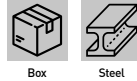


Sizes (ø mm - sides)	65 mm - 14, 65/67 mm - 14, 68 mm - 14, 74 mm - 15, 74/76 mm - 15, 75/77 mm - 15, 76 mm - 14, 76 mm - 30, 80 mm - 15, 80/82 mm
Adapter drive	1/2" (F) 3/8" (M)

0357-

PRO

OIL FILTER STEEL BELT WRENCH



Art.	€	Filter maximum diameter	Belt
0357/01	€ 23,00	70 mm	180 mm
0357/02	€ 25,00	120 mm	200 mm

0077

€ 6,10

OIL FILTER CHAIN WRENCH



Filter maximum diameter	110 mm
Belt	380 mm

0018/30

€ 143,00

OIL FILTER WRENCH SET

Useful for the removal of oil filters for many vehicles. an adapter with 3/8" male and 1/2" female drives and a 3-jaw wrench are included in the set.



Sizes (ø mm - sides)	65 mm - 14, 65/67 mm - 14, 66 mm - 6, 68 mm - 14, 73 mm - 14, 74 mm - 15, 74/76 mm - 15, 75/77 mm - 15, 76 mm - 8, 76 mm - 12, 76 mm - 14, 76 mm - 30, 78 mm - 15, 80 mm - 15, 80/82 mm - 15, 86 mm - 16, 86 mm - 18, 90 mm - 15, 92 mm - 10, 93 mm - 15, 93 mm - 36, 93 mm
Adapter drive	1/2" (F) 3/8" (M)
3 - Jaw wrench	65 ÷ 120 mm



0080 € 9,30

CROSS RIM WRENCH

DIN 899.



Sizes	17 - 19 - 21 mm
Dimensions	381 x 16 mm

0426-

CROSS RIM WRENCH

For trucks, with fixed hex sockets



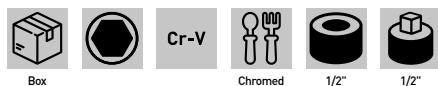
Art.	€	Sizes	Dimensions
0426/30	€ 33,60	24 - 27 - 30 mm	550 x 20 mm
0426/32	€ 42,60	24 - 27 - 32 mm	700 x 22 mm

0451

PRO € 35,90

DETACHABLE CROSS RIM WRENCH

Consisting of 2 hex sockets with 4 sizes, bar and spinning handle.



Sockets sizes	17 - 19 - 21 - 23 mm
Bar dimensions	ø15 x 400 mm
Handle length	330 mm

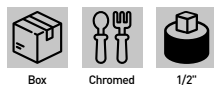


0806/200

€ 445,00

ELECTRONIC DIGITAL TORQUE - ANGLE WRENCH

It allows cw and ccw operation and a led and buzer diagnostic of torque/angle status.



MEASURE UNITS:	Nm / kgm / lbf-t / lbf-in	Angle accuracy	±1%
Capacity	20 ÷ 200 Nm	Operation mode	Peak / Track
Reading	0,1 Nm	Torque memories - Angle	5
Accuracy	±2%, 10% @ 200 Nm	Length	605 mm
Angle range	0 ÷ 360°	Battery	4x 1,5 V AAA

0809-

PRO

ELECTRONIC DIGITAL TORQUE WRENCH

It allows cw and ccw operation and a led and buzer diagnostic of torque status.



Art.	€	MEASURE UNITS:	Capacity	Reading	Accuracy	Operation mode	Memory	Dr.	Length	Battery
0809/030	€ 106,00	Nm / kgf-cm / lbf-ft / lbf-in	6 ÷ 30 Nm	0,01 Nm	±4%	Peak / Track	50	1/4"	200 mm	2 x 3 V CR2032
0809/080	€ 113,00	Nm / kgf-m / lbf-ft / lbf-in	16 ÷ 80 Nm	0,1 Nm	±3%	Peak / Track	50	3/8"	230 mm	2 x 3 V CR2032
0809/100	€ 119,00	Nm / kgf-m / lbf-ft / lbf-in	20 ÷ 100 Nm	0,1 Nm	±2%	Peak / Track	50	1/2"	275 mm	2 x 3 V CR2032

0806/020 € 109,00

DIGITAL TORQUE SCREWDRIVER

ISO 6789-2017, clockwise and anticlockwise tightening, sound and vibration diagnostics of the preset torque reached.



MEASURE UNITS:	Nm / lbft / lbin
Capacity	0 ÷ 20 Nm
Reading	0,01 Nm
Accuracy	±2%
Operation mode	Peak / Track
Auto power off	5 min.
Length	175 mm
Battery	2 x 1,5 V AAA
Working temperature	0 °C - 40 °C
Storage temperature	-5 °C - 45 °C

0268A **NEW** € 97,50

DIGITAL TORQUE METER

Twist monitoring tool. Applied to a ratchet wrench it can be used as a torque wrench. Backlit LCD screen, Peak and Trace operating mode. Auto power off function.



Operation mode	Peak/track
MEASURE UNITS:	Nm/kgm/kgcm/lbft/lbin
Capacity	40 ÷ 200 Nm
Reading	0,1 Nm
Memory	50
Accuracy	±2%
Dimensions	75 x 44mm
Battery	2 x AAA
Working temperature	-10°C-60 °C (14°F-139.9 °F)
Storage temperature	-20°C -70°C (-4 °F-157.9°F)

0137 € 61,00

TORQUE WRENCH



Capacity	28 ÷ 210 Nm
Extension	120 mm



0815- **PRO NEW**

TORQUE WRENCHES

ISO 6789-2017, reading window.



Art.	€	Dr.	Capacity	Reading	Accuracy	Length
0815/100	€ 161,00	3/8"	20 ÷ 100 Nm	0,5 Nm	±4%	460 mm
0815/200	€ 212,00	1/2"	40 ÷ 200 Nm	1,0 Nm	±4%	515 mm
0815/320	€ 231,00	1/2"	60 ÷ 320 Nm	2,0 Nm	±4%	585 mm
0815/800	€ 735,00	3/4"	100 ÷ 800 Nm	5,0 Nm	±4%	1100 mm



0803-

TORQUE WRENCHES

ISO 6789-2017.



Carrying case



Satin

Art.	€	Shank	Capacity	Reading	Accuracy	Length
0803/110	€ 138,00	3/8"	20 - 110 Nm	0,5 Nm	±4%	380 mm
0803/210	€ 198,00	1/2"	40 - 210 Nm	1 Nm	±4%	535 mm
0803/700	€ 645,00	3/4"	140 - 700 Nm	2,5 Nm	±4%	1085 mm

0803/S210

€ 317,00

TORQUE WRENCH SET

ISO 6789-2017.



11 Pcs



Carrying case



Satin

Spanners shank	14 x 18 mm
Ratchet head	1/2"
Capacity	40 ÷ 210 Nm
Accuracy	±4%
Reading	1 Nm
Spanner head	13 - 14 - 15 - 17 - 19 - 22 - 24 - 27 - 30 mm

0803/S080

€ 215,00

TORQUE WRENCH SET

ISO 6789-2017.



8 Pcs



Carrying case



Satin

Spanners shank	14x 18 mm
Ratchet head	3/8"
Capacity	15 ÷ 80 Nm
Accuracy	±4%
Spanner head	17 - 22 - 24 - 26 - 27 - 30 mm
Reading	0,5 Nm

0329

€ 171,00

TORQUE MULTIPLIER

DIN 3113, labor saving wheel wrench.



7 Pcs



Carrying case



1"

1" Dr. sockets	32 - 33 mm
Ratio	1:60
Maximum torque	3200 Nm
Operating torque	1200 Nm
Net weight	7,5 kg

0360

€ 77,70

TORQUE MULTIPLIER

DIN 3113, labor saving wheel wrench, supplied in plastic case.



7 Pcs



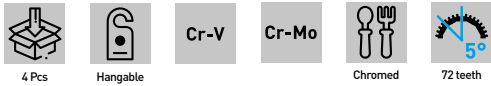
Carrying case



1"

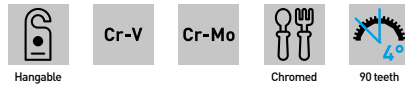
1" Dr. sockets	32 - 33 mm
Ratio	1 : 56
Maximum torque	3000 Nm
Operating torque	1000 Nm
Net weight	7 kg

CN450N0/0 € 46,60
3 IN 1 QUICK CHANGE DRIVE RATCHET HANDLE



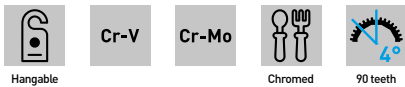
Length	230 mm
Shank	1/2" - 3/8" - 1/4"
Teeth	72

G090- PRO
ERGONOMIC RATCHET HANDLE



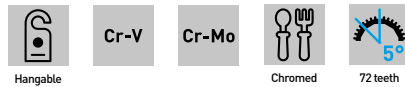
Art.	€	Length	Dr.
G090/1/4	€ 21,50	145 mm	1/4"
G090/3/8	€ 26,10	195 mm	3/8"
G090/1/2	€ 29,80	265 mm	1/2"

F090- PRO
ERGONOMIC RATCHET HANDLE



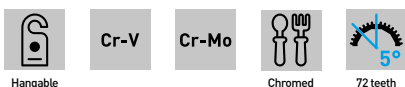
Art.	€	Length	Dr.
F090/1/4	€ 21,50	145 mm	1/4"
F090/3/8	€ 26,10	195 mm	3/8"
F090/1/2	€ 29,80	265 mm	1/2"

0494- PRO
DUST PROOF ERGONOMIC RATCHET HANDLE



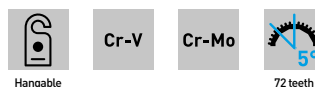
Art.	€	Length	Dr.
0494/1/4	€ 26,10	165 mm	1/4"
0494/3/8	€ 29,80	215 mm	3/8"
0494/1/2	€ 35,90	276 mm	1/2"

CN450NX
ERGONOMIC RATCHET HANDLE



Art.	€	Length	Dr.
CN450N1/4A	€ 26,00	150 mm	1/4"
CN450N3/8A	€ 30,10	205 mm	3/8"
CN450N1/2A	€ 31,10	250 mm	1/2"

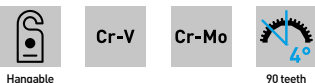
0439-
ERGONOMIC RATCHET HANDLE



Art.	€	Dr.	Length	Teeth
0439/1/4	€ 17,80	1/4"	155 mm	72
0439/3/8	€ 25,10	3/8"	200 mm	72
0439/1/2	€ 30,10	1/2"	260 mm	72

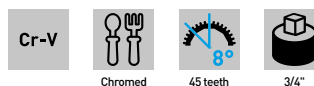


0019-
1¼", 3/8", 1/2" DRIVE QUICK-RELEASE RATCHETS



Art.	€	Length	Dr.
0019/1/4	€ 15,70	154 mm	1/4"
0019/3/8	€ 22,50	215 mm	3/8"
0019/1/2	€ 28,60	275 mm	1/2"

0308 € 35,80
RATCHET HANDLE



Length 490 mm

0228 € 11,10
RATCHET HANDLE



Length 250 mm

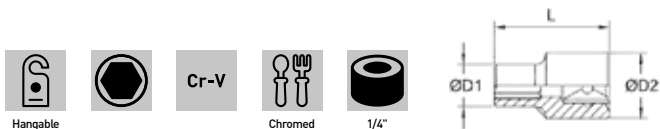
0173 € 4,76
1/4" DR. SPINNER HANDLE
Made to be used also as an extension



BN4E5NX

STANDARD 6 POINT HAND SOCKET

DIN 3124.

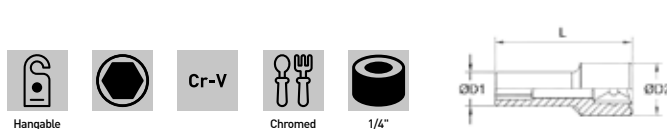


Art.	€	Size	D1	D2	Length
BN4E5N004A	€ 1,49	4 mm	6,8 mm	12 mm	25 mm
BN4E5N0045A	€ 1,49	4,5 mm	7,2 mm	12 mm	25 mm
BN4E5N005A	€ 1,49	5 mm	7,8 mm	12 mm	25 mm
BN4E5N0055A	€ 1,49	5,5 mm	8,4 mm	12 mm	25 mm
BN4E5N006A	€ 1,49	6 mm	9,3 mm	12 mm	25 mm
BN4E5N007A	€ 1,49	7 mm	10,8 mm	12 mm	25 mm
BN4E5N008A	€ 1,72	8 mm	12 mm	11 mm	25 mm
BN4E5N009A	€ 1,72	9 mm	13 mm	12 mm	25 mm
BN4E5N010A	€ 1,72	10 mm	14,6 mm	12 mm	25 mm
BN4E5N011A	€ 1,93	11 mm	16 mm	12,5 mm	25 mm
BN4E5N012A	€ 1,93	12 mm	17 mm	13,5 mm	25 mm
BN4E5N013A	€ 2,13	13 mm	18 mm	13,5 mm	25 mm
BN4E5N014A	€ 2,35	14 mm	19 mm	14,5 mm	25 mm

BN4E5LX

DEEP 6 POINT HAND SOCKET

DIN 3124.

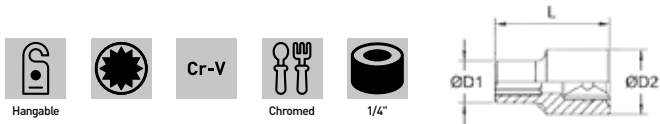


Art.	€	Size	D1	D2	Length
BN4E5L004A	€ 3,53	4 mm	6,8 mm	12 mm	50 mm
BN4E5L0045A	€ 3,53	4,5 mm	7,2 mm	12 mm	50 mm
BN4E5L005A	€ 3,53	5 mm	7,8 mm	12 mm	50 mm
BN4E5L0055A	€ 3,53	5,5 mm	8,4 mm	12 mm	50 mm
BN4E5L006A	€ 3,53	6 mm	9,3 mm	12 mm	50 mm
BN4E5L007A	€ 3,53	7 mm	10,8 mm	12 mm	50 mm
BN4E5L008A	€ 3,53	8 mm	12 mm	11 mm	50 mm
BN4E5L009A	€ 3,53	9 mm	13 mm	12 mm	50 mm
BN4E5L010A	€ 3,53	10 mm	14,6 mm	12 mm	50 mm
BN4E5L011A	€ 3,84	11 mm	16 mm	13 mm	50 mm
BN4E5L012A	€ 3,84	12 mm	17 mm	13 mm	50 mm
BN4E5L013A	€ 4,05	13 mm	18 mm	13 mm	50 mm
BN4E5L014A	€ 4,05	14 mm	19 mm	14,5 mm	50 mm

BN4P5NX

STANDARD 12 POINT HAND SOCKET

DIN 3124.



Art.	€	Size	D1	D2	Length
BN4P5N004A	€ 1,41	4 mm	6,8 mm	12 mm	25 mm
BN4P5N005A	€ 1,41	5 mm	7,8 mm	12 mm	25 mm
BN4P5N0055A	€ 1,41	5,5 mm	8,4 mm	12 mm	25 mm
BN4P5N006A	€ 1,41	6 mm	9,3 mm	12 mm	25 mm
BN4P5N007A	€ 1,41	7 mm	10,8 mm	12 mm	25 mm
BN4P5N008A	€ 1,60	8 mm	12 mm	11 mm	25 mm
BN4P5N009A	€ 1,60	9 mm	13 mm	12 mm	25 mm
BN4P5N010A	€ 1,60	10 mm	14,6 mm	12 mm	25 mm
BN4P5N011A	€ 1,82	11 mm	16 mm	12,5 mm	25 mm
BN4P5N012A	€ 1,82	12 mm	17 mm	13,5 mm	25 mm
BN4P5N013A	€ 2,04	13 mm	18 mm	13,5 mm	25 mm
BN4P5N014A	€ 2,13	14 mm	19 mm	14,5 mm	25 mm

BN415NX

HEX BIT SOCKET

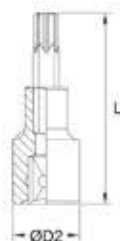


Art.	€	Size	D2	Length
BN415N003A	€ 2,68	3 mm	12 mm	37 mm
BN415N004A	€ 2,68	4 mm	12 mm	37 mm
BN415N005A	€ 2,68	5 mm	12 mm	37 mm
BN415N006A	€ 2,68	6 mm	12 mm	37 mm
BN415N008A	€ 2,68	8 mm	12 mm	37 mm



BN425NX

TORX BIT SOCKET



Art.	€	Size	D2	Length
BN425N008A	€ 2,68	T8	12 mm	37 mm
BN425N009A	€ 2,68	T9	12 mm	37 mm
BN425N010A	€ 2,68	T10	12 mm	37 mm
BN425N015A	€ 2,68	T15	12 mm	37 mm
BN425N020A	€ 2,68	T20	12 mm	37 mm
BN425N025A	€ 2,68	T20	12 mm	37 mm
BN425N027A	€ 2,68	T27	12 mm	37 mm
BN425N030A	€ 2,68	T30	12 mm	37 mm
BN425N040A	€ 2,68	T40	12 mm	37 mm

RN4054NA

€ 3,20

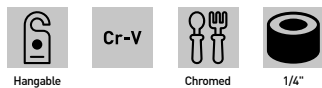
ADAPTER



Length 26 mm

PN405NX

EXTENSION BAR

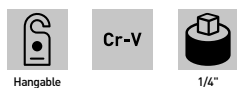


Art.	€	Length
PN405N050A	€ 3,20	50 mm
PN405N075A	€ 3,42	75 mm
PN405N150A	€ 5,10	150 mm

LN400N1/4A

€ 4,85

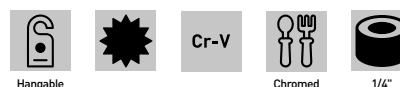
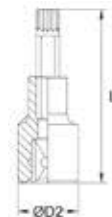
SLIDING T BAR



Length 115 mm

BN445NX

XZN BIT SOCKET

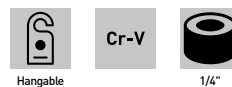


Art.	€	Size	D2	Length
BN445N004A	€ 9,00	M 4	15 mm	37 mm
BN445N005A	€ 9,00	M 5	15 mm	37 mm
BN445N006A	€ 9,00	M 6	15 mm	37 mm
BN445N008A	€ 9,00	M 8	15 mm	37 mm
BN445N009A	€ 9,00	M 9	15 mm	37 mm
BN445N010A	€ 9,00	M 10	15 mm	37 mm

JN405NA

€ 5,80

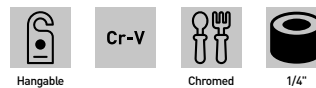
UNIVERSAL JOINT



Length 38 mm

EN405NX

WOBBLE EXTENSION BAR



Art.	€	Length
EN405N050A	€ 4,25	50 mm
EN405N075A	€ 4,85	75 mm
EN405N150A	€ 5,30	150 mm

BN4E4NX

STANDARD 6 POINT HAND SOCKET

DIN 3124.



Art.	€	Size	D1	D2	Length
BN4E4N006A	€ 2,56	6 mm	9,3 mm	17 mm	28 mm
BN4E4N007A	€ 2,56	7 mm	10,6 mm	17 mm	28 mm
BN4E4N008A	€ 2,56	8 mm	11,8 mm	17 mm	28 mm
BN4E4N009A	€ 2,56	9 mm	13,2 mm	17 mm	28 mm
BN4E4N010A	€ 2,56	10 mm	14,5 mm	17 mm	28 mm
BN4E4N011A	€ 2,56	10 mm	15,7 mm	17 mm	28 mm
BN4E4N012A	€ 2,56	12 mm	17 mm	16,4 mm	28 mm
BN4E4N013A	€ 2,56	13 mm	18 mm	17 mm	28 mm
BN4E4N014A	€ 3,20	14 mm	20 mm	17 mm	28 mm
BN4E4N015A	€ 3,20	15 mm	20,9 mm	18 mm	28 mm
BN4E4N016A	€ 3,20	16 mm	22 mm	18 mm	28 mm
BN4E4N017A	€ 3,20	17 mm	24 mm	18 mm	30 mm
BN4E4N018A	€ 3,84	18 mm	26 mm	18 mm	30 mm
BN4E4N019A	€ 4,05	19 mm	26 mm	20 mm	30 mm
BN4E4N020A	€ 4,76	20 mm	27,1 mm	20 mm	30 mm
BN4E4N021A	€ 4,76	21 mm	28 mm	20 mm	30 mm
BN4E4N022A	€ 5,60	22 mm	30 mm	20 mm	32 mm

BN4E4LX

DEEP 6 POINT HAND SOCKET

DIN 3124.



Art.	€	Size	D1	D2	Length
BN4E4L006A	€ 5,60	6 mm	9,3 mm	17 mm	63 mm
BN4E4L007A	€ 5,60	7 mm	10,6 mm	17 mm	62 mm
BN4E4L008A	€ 5,60	8 mm	11,8 mm	17 mm	63 mm
BN4E4L009A	€ 5,60	9 mm	13,2 mm	17 mm	63 mm
BN4E4L010A	€ 5,60	10 mm	14,5 mm	17 mm	63 mm
BN4E4L011A	€ 5,60	11 mm	15,7 mm	17 mm	63 mm
BN4E4L012A	€ 5,60	12 mm	17 mm	16,4 mm	63 mm
BN4E4L013A	€ 5,60	13 mm	18 mm	17 mm	63 mm
BN4E4L014A	€ 6,30	14 mm	19,6 mm	17 mm	63 mm
BN4E4L015A	€ 6,30	15 mm	20,9 mm	18 mm	63 mm
BN4E4L016A	€ 6,30	16 mm	22 mm	18 mm	63 mm
BN4E4L017A	€ 6,30	17 mm	23,4 mm	18 mm	63 mm
BN4E4L018A	€ 7,30	18 mm	24,6 mm	20 mm	63 mm
BN4E4L019A	€ 7,30	19 mm	26 mm	20 mm	63 mm
BN4E4L020A	€ 7,30	20 mm	27,1 mm	20 mm	63 mm
BN4E4L021A	€ 8,60	21 mm	28 mm	20 mm	63 mm
BN4E4L022A	€ 8,60	22 mm	30 mm	20 mm	63 mm

BN4P4NX

STANDARD 12 POINT HAND SOCKET

DIN 3125.



Art.	€	Size	D1	D2	Length
BN4P4N006A	€ 2,35	6 mm	9,3 mm	17 mm	28 mm
BN4P4N007A	€ 2,35	7 mm	10,6 mm	17 mm	28 mm
BN4P4N008A	€ 2,35	8 mm	11,8 mm	17 mm	28 mm
BN4P4N009A	€ 2,35	9 mm	13,2 mm	17 mm	28 mm
BN4P4N010A	€ 2,35	10 mm	14,5 mm	17 mm	28 mm
BN4P4N011A	€ 2,35	11 mm	15,7 mm	17 mm	28 mm
BN4P4N012A	€ 2,35	12 mm	17 mm	16,4 mm	28 mm
BN4P4N013A	€ 2,35	13 mm	18 mm	17 mm	28 mm
BN4P4N014A	€ 2,99	14 mm	20 mm	17 mm	28 mm
BN4P4N015A	€ 2,99	15 mm	20,9 mm	18 mm	28 mm
BN4P4N016A	€ 2,99	16 mm	22 mm	18 mm	28 mm
BN4P4N017A	€ 2,99	17 mm	24 mm	18 mm	30 mm
BN4P4N018A	€ 3,62	18 mm	26 mm	18 mm	30 mm
BN4P4N019A	€ 3,84	19 mm	26 mm	20 mm	30 mm
BN4P4N020A	€ 4,36	20 mm	28 mm	20 mm	30 mm
BN4P4N021A	€ 4,36	21 mm	28 mm	20 mm	30 mm
BN4P4N022A	€ 5,20	22 mm	30 mm	20 mm	32 mm





BN414NX

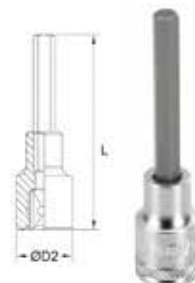
HEX BIT SOCKET



Art.	€	Size	D2	Length
BN414N003A	€ 6,10	3 mm	18 mm	48 mm
BN414N004A	€ 6,10	4 mm	18 mm	48 mm
BN414N005A	€ 6,10	5 mm	18 mm	48 mm
BN414N006A	€ 6,10	6 mm	18 mm	48 mm
BN414N007A	€ 6,10	7 mm	18 mm	48 mm
BN414N008A	€ 6,10	8 mm	18 mm	48 mm
BN414N009A	€ 6,10	9 mm	20 mm	48 mm
BN414N010A	€ 6,10	10 mm	20 mm	48 mm
BN414N012A	€ 6,20	12 mm	20 mm	48 mm

BN414LX

LONG HEX BIT SOCKET



Art.	€	Size	D2	Length
BN414L003A	€ 8,80	3 mm	18 mm	95 mm
BN414L004A	€ 8,80	4 mm	18 mm	95 mm
BN414L005A	€ 8,80	5 mm	18 mm	95 mm
BN414L006A	€ 8,80	6 mm	18 mm	95 mm
BN414L007A	€ 9,00	7 mm	18 mm	95 mm
BN414L008A	€ 9,00	8 mm	18 mm	95 mm
BN414L009A	€ 9,00	9 mm	20 mm	95 mm
BN414L010A	€ 9,00	10 mm	20 mm	95 mm
BN414L012A	€ 10,20	12 mm	20 mm	95 mm

BN424NX

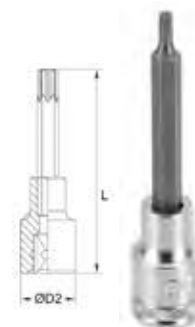
TORX BIT SOCKET



Art.	€	Size	D2	Length
BN424N010A	€ 6,50	T10	18 mm	48 mm
BN424N015A	€ 6,50	T15	18 mm	48 mm
BN424N020A	€ 6,50	T20	18 mm	48 mm
BN424N025A	€ 6,50	T25	18 mm	48 mm
BN424N027A	€ 6,50	T27	18 mm	48 mm
BN424N030A	€ 6,50	T30	18 mm	48 mm
BN424N040A	€ 6,50	T40	18 mm	48 mm
BN424N045A	€ 6,50	T45	18 mm	48 mm
BN424N050A	€ 7,30	T50	20 mm	48 mm
BN424N055A	€ 8,60	T55	20 mm	48 mm

BN424LX

LONG TORX BIT SOCKET



Art.	€	Size	D2	Length
BN424L015A	€ 10,70	T15	18 mm	95 mm
BN424L020A	€ 10,70	T20	18 mm	95 mm
BN424L025A	€ 10,70	T25	18 mm	95 mm
BN424L027A	€ 10,70	T27	18 mm	95 mm
BN424L030A	€ 10,70	T30	18 mm	95 mm
BN424L040A	€ 10,70	T40	18 mm	95 mm
BN424L045A	€ 14,30	T45	18 mm	95 mm

BN434NX

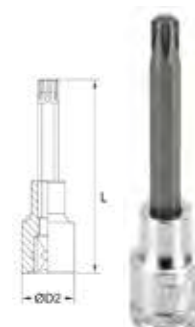
RIBE BIT SOCKET



Art.	€	Size	D2	Length
BN434N004A	€ 13,70	M 4	18 mm	50 mm
BN434N005A	€ 13,90	M 5	18 mm	50 mm
BN434N006A	€ 14,20	M 6	18 mm	50 mm
BN434N007A	€ 14,40	M 7	18 mm	50 mm
BN434N008A	€ 14,70	M 8	18 mm	50 mm
BN434N009A	€ 15,30	M 9	18 mm	50 mm
BN434N010A	€ 16,70	M 10	20 mm	50 mm

BN434LX

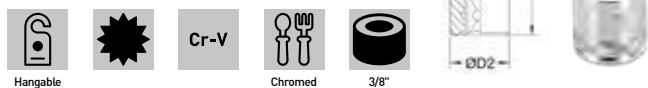
LONG RIBE BIT SOCKET



Art.	€	Size	D2	Length
BN434L004A	€ 14,70	M 4	18 mm	95 mm
BN434L005A	€ 14,90	M 5	18 mm	95 mm
BN434L006A	€ 15,20	M 6	18 mm	95 mm
BN434L007A	€ 15,20	M 7	18 mm	95 mm
BN434L008A	€ 16,00	M 8	18 mm	95 mm
BN434L009A	€ 16,00	M 9	18 mm	95 mm
BN434L010A	€ 19,70	M 10	20 mm	95 mm

BN444NX

XZN BIT SOCKET



Art.	€	Size	D2	Length
BN444N004A	€ 10,70	M 4	18 mm	48 mm
BN444N005A	€ 10,70	M 5	18 mm	48 mm
BN444N006A	€ 10,70	M 6	18 mm	48 mm
BN444N008A	€ 10,70	M 8	18 mm	48 mm
BN444N009A	€ 10,70	M 9	20 mm	48 mm
BN444N010A	€ 10,70	M 10	20 mm	48 mm
BN444N012A	€ 11,30	M 12	20 mm	48 mm
BN444N014A	€ 12,10	M 14	20 mm	48 mm

BN444LX

LONG XZN BIT SOCKET



Art.	€	Size	D2	Length
BN444L004A	€ 11,70	M 4	18 mm	95 mm
BN444L005A	€ 11,70	M 5	18 mm	95 mm
BN444L006A	€ 11,70	M 6	18 mm	95 mm
BN444L008A	€ 11,70	M 8	18 mm	95 mm
BN444L009A	€ 11,70	M 9	20 mm	95 mm
BN444L010A	€ 12,10	M 10	20 mm	95 mm
BN444L012A	€ 12,90	M 12	20 mm	95 mm
BN444L014A	€ 13,80	M 14	20 mm	95 mm

BN4C4LX

SPARK PLUG SOCKET



Art.	€	Size	Length
BN4C4L016A	€ 5,30	16 mm	63 mm
BN4C4L018A	€ 7,50	18 mm	63 mm
BN4C4L021A	€ 8,10	21 mm	65 mm



LN400N3/8A

€ 9,30

SLIDING T BAR



Length 200 mm



RN4045NA

€ 3,20

ADAPTER



Length 27 mm



RN4043NA

€ 3,73

ADAPTER



Length 35 mm



JN404NA

€ 7,30

UNIVERSAL JOINT



Length 54 mm

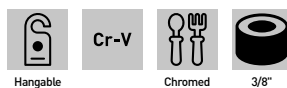


EN404NX

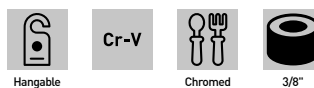
WOBBLE EXTENSION BAR

PN404NX

EXTENSION BAR



Art.	€	Length
PN404N050A	€ 3,62	50 mm
PN404N075A	€ 4,95	75 mm
PN404N150A	€ 6,00	150 mm



Art.	€	Length
EN404N038A	€ 4,25	38 mm
EN404N075A	€ 5,30	75 mm
EN404N150A	€ 6,50	150 mm
EN404N250A	€ 10,50	250 mm





BN4E3NX

STANDARD 6 POINT HAND SOCKET

DIN 3124.



Art.	€	Size	D1	D2	Length
BN4E3N008A	€ 3,20	8 mm	12,2 mm	22 mm	38 mm
BN4E3N009A	€ 3,20	9 mm	13,5 mm	22 mm	38 mm
BN4E3N010A	€ 3,20	10 mm	15 mm	22 mm	38 mm
BN4E3N011A	€ 3,20	11 mm	16,3 mm	22 mm	38 mm
BN4E3N012A	€ 3,20	12 mm	17,6 mm	22 mm	38 mm
BN4E3N013A	€ 3,20	13 mm	18,8 mm	22 mm	38 mm
BN4E3N014A	€ 3,20	14 mm	20,4 mm	22 mm	38 mm
BN4E3N015A	€ 3,31	15 mm	21 mm	22 mm	38 mm
BN4E3N016A	€ 3,59	16 mm	22 mm	20,5 mm	38 mm
BN4E3N017A	€ 3,84	17 mm	24 mm	22 mm	38 mm
BN4E3N018A	€ 4,16	18 mm	25,4 mm	22 mm	38 mm
BN4E3N019A	€ 4,16	19 mm	26 mm	22 mm	38 mm
BN4E3N020A	€ 4,44	20 mm	28 mm	22 mm	38 mm
BN4E3N021A	€ 4,65	21 mm	28 mm	22 mm	38 mm
BN4E3N022A	€ 5,20	22 mm	30 mm	26 mm	38 mm
BN4E3N023A	€ 5,30	23 mm	31,6 mm	26 mm	38 mm
BN4E3N024A	€ 5,30	24 mm	32 mm	26 mm	38 mm
BN4E3N025A	€ 5,90	25 mm	34 mm	26 mm	42 mm
BN4E3N026A	€ 6,00	26 mm	35,4 mm	28 mm	42 mm
BN4E3N027A	€ 6,00	27 mm	36 mm	28 mm	42 mm
BN4E3N028A	€ 6,30	28 mm	38 mm	28 mm	42 mm
BN4E3N029A	€ 6,60	29 mm	38 mm	28 mm	43 mm
BN4E3N030A	€ 6,60	30 mm	40 mm	28 mm	43 mm
BN4E3N032A	€ 6,60	32 mm	42 mm	28 mm	44 mm

BN4E3LX

DEEP 6 POINT HAND SOCKET

DIN 3124.

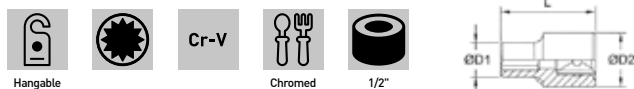


Art.	€	Size	D1	D2	Length
BN4E3L010A	€ 7,00	10 mm	15 mm	22 mm	77 mm
BN4E3L011A	€ 7,00	11 mm	16,3 mm	22 mm	77 mm
BN4E3L012A	€ 7,00	12 mm	17,6 mm	22 mm	77 mm
BN4E3L013A	€ 7,00	13 mm	18,8 mm	22 mm	77 mm
BN4E3L014A	€ 7,30	14 mm	20,4 mm	22 mm	77 mm
BN4E3L015A	€ 7,30	15 mm	21 mm	22 mm	77 mm
BN4E3L016A	€ 7,30	16 mm	22 mm	20,5 mm	77 mm
BN4E3L017A	€ 7,50	17 mm	24 mm	22 mm	77 mm
BN4E3L018A	€ 8,10	18 mm	25,4 mm	22 mm	77 mm
BN4E3L019A	€ 8,10	19 mm	26 mm	22 mm	77 mm
BN4E3L020A	€ 8,50	20 mm	28 mm	22 mm	77 mm
BN4E3L021A	€ 8,80	21 mm	28 mm	22 mm	77 mm
BN4E3L022A	€ 8,80	22 mm	30 mm	26 mm	77 mm
BN4E3L023A	€ 10,60	23 mm	31,6 mm	26 mm	77 mm
BN4E3L024A	€ 11,10	24 mm	32 mm	26 mm	77 mm
BN4E3L027A	€ 15,50	27 mm	36 mm	28 mm	77 mm
BN4E3L030A	€ 16,80	30 mm	40 mm	28 mm	77 mm
BN4E3L032A	€ 16,80	32 mm	42 mm	28 mm	77 mm

BN4P3NX

STANDARD 12 POINT HAND SOCKET

DIN 3124.

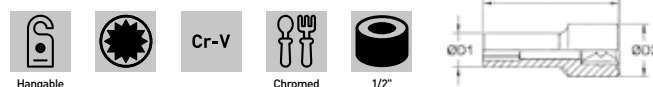


Art.	€	Size	D1	D2	Length
BN4P3N008A	€ 2,99	8 mm	12,2 mm	22 mm	38 mm
BN4P3N009A	€ 2,99	9 mm	13,5 mm	22 mm	38 mm
BN4P3N010A	€ 2,99	10 mm	15 mm	22 mm	38 mm
BN4P3N011A	€ 2,99	11 mm	16,3 mm	22 mm	38 mm
BN4P3N012A	€ 2,99	12 mm	17,6 mm	22 mm	38 mm
BN4P3N013A	€ 2,99	13 mm	18,8 mm	22 mm	38 mm
BN4P3N014A	€ 2,99	14 mm	20,4 mm	22 mm	38 mm
BN4P3N015A	€ 3,10	15 mm	21 mm	22 mm	38 mm
BN4P3N016A	€ 3,31	16 mm	22 mm	20,5 mm	38 mm
BN4P3N017A	€ 3,62	17 mm	24 mm	22 mm	38 mm
BN4P3N018A	€ 3,94	18 mm	25,4 mm	22 mm	38 mm
BN4P3N019A	€ 3,94	19 mm	26 mm	22 mm	38 mm
BN4P3N020A	€ 4,16	20 mm	28 mm	22 mm	38 mm
BN4P3N021A	€ 4,36	21 mm	28 mm	22 mm	38 mm
BN4P3N022A	€ 4,95	22 mm	30 mm	26 mm	38 mm
BN4P3N023A	€ 5,00	23 mm	31,6 mm	26 mm	38 mm
BN4P3N024A	€ 5,00	24 mm	32 mm	26 mm	38 mm
BN4P3N025A	€ 5,90	25 mm	34 mm	26 mm	42 mm
BN4P3N026A	€ 6,00	26 mm	35,4 mm	28 mm	42 mm
BN4P3N027A	€ 6,00	27 mm	36 mm	28 mm	42 mm
BN4P3N028A	€ 6,30	28 mm	38 mm	28 mm	43 mm
BN4P3N029A	€ 6,60	29 mm	38 mm	28 mm	43 mm
BN4P3N030A	€ 6,60	30 mm	40 mm	28 mm	43 mm
BN4P3N032A	€ 6,60	32 mm	42 mm	28 mm	44 mm

BN4P3LX

DEEP 12 POINT HAND SOCKET

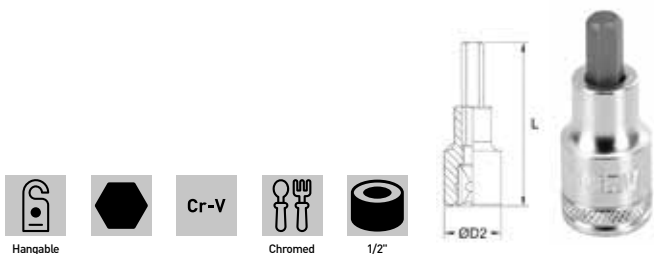
DIN 3124.



Art.	€	Size	D1	D2	Length
BN4P3L010A	€ 6,60	10 mm	15 mm	22 mm	77 mm
BN4P3L011A	€ 6,60	11 mm	16,3 mm	22 mm	77 mm
BN4P3L012A	€ 6,60	12 mm	17,6 mm	22 mm	77 mm
BN4P3L013A	€ 6,60	13 mm	18,8 mm	22 mm	77 mm
BN4P3L014A	€ 6,80	14 mm	20,4 mm	22 mm	77 mm
BN4P3L015A	€ 6,80	15 mm	21 mm	22 mm	77 mm
BN4P3L016A	€ 6,80	16 mm	22 mm	20,5 mm	77 mm
BN4P3L017A	€ 7,10	17 mm	24 mm	22 mm	77 mm
BN4P3L018A	€ 7,60	18 mm	25,4 mm	22 mm	77 mm
BN4P3L019A	€ 7,60	19 mm	26 mm	22 mm	77 mm
BN4P3L020A	€ 8,00	20 mm	28 mm	22 mm	77 mm
BN4P3L021A	€ 8,30	21 mm	28 mm	22 mm	77 mm
BN4P3L022A	€ 8,80	22 mm	30 mm	26 mm	77 mm
BN4P3L023A	€ 10,60	23 mm	31,6 mm	26 mm	77 mm
BN4P3L024A	€ 10,60	24 mm	32 mm	26 mm	77 mm
BN4P3L027A	€ 15,50	27 mm	36 mm	28 mm	77 mm
BN4P3L030A	€ 16,80	30 mm	40 mm	28 mm	77 mm
BN4P3L032A	€ 16,80	32 mm	42 mm	28 mm	77 mm

BN413NX

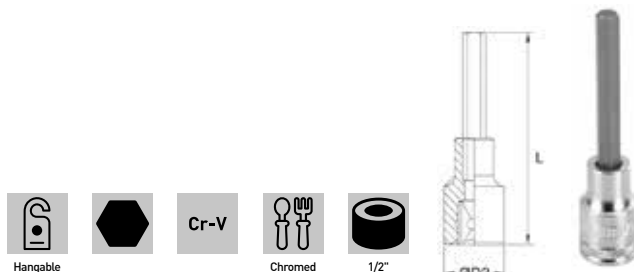
HEX BIT SOCKET



Art.	€	Size	D2	Length
BN413N004A	€ 6,10	4 mm	22 mm	55 mm
BN413N005A	€ 6,10	5 mm	22 mm	55 mm
BN413N006A	€ 6,10	6 mm	22 mm	55 mm
BN413N007A	€ 6,70	7 mm	22 mm	55 mm
BN413N008A	€ 6,70	8 mm	22 mm	55 mm
BN413N010A	€ 6,70	10 mm	22 mm	55 mm
BN413N012A	€ 6,70	12 mm	22 mm	55 mm
BN413N014A	€ 8,00	14 mm	24 mm	55 mm
BN413N017A	€ 8,60	17 mm	26 mm	55 mm
BN413N019A	€ 8,60	19 mm	28 mm	55 mm

BN413LX

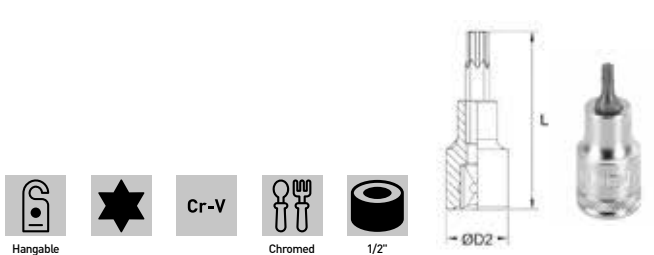
LONG HEX BIT SOCKET



Art.	€	Size	D2	Length
BN413L004A	€ 8,00	4 mm	22 mm	100 mm
BN413L005A	€ 8,00	5 mm	22 mm	100 mm
BN413L006A	€ 8,00	6 mm	22 mm	100 mm
BN413L007A	€ 8,00	7 mm	22 mm	100 mm
BN413L008A	€ 8,00	8 mm	22 mm	100 mm
BN413L010A	€ 8,00	10 mm	22 mm	100 mm
BN413L012A	€ 8,10	12 mm	22 mm	100 mm
BN413L014A	€ 8,10	14 mm	24 mm	100 mm
BN413L017A	€ 11,70	17 mm	26 mm	100 mm
BN413L019A	€ 12,60	19 mm	28 mm	100 mm

BN423NX

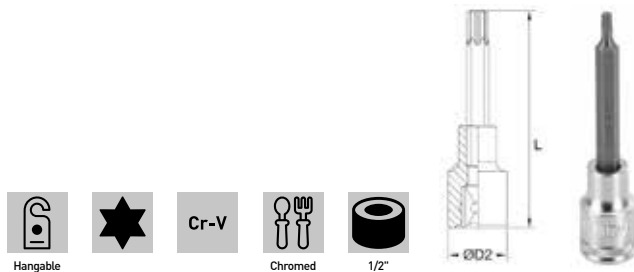
TORX BIT SOCKET



Art.	€	Size	D2	Length
BN423N020A	€ 7,60	T20	22 mm	55 mm
BN423N025A	€ 7,60	T25	22 mm	55 mm
BN423N027A	€ 7,60	T27	22 mm	55 mm
BN423N030A	€ 7,60	T30	22 mm	55 mm
BN423N040A	€ 8,20	T40	22 mm	55 mm
BN423N045A	€ 8,20	T45	22 mm	55 mm
BN423N050A	€ 8,20	T50	22 mm	55 mm
BN423N055A	€ 9,20	T55	22 mm	55 mm
BN423N060A	€ 9,70	T60	22 mm	55 mm
BN423N070A	€ 11,90	T70	22 mm	55 mm

BN423LX

LONG TORX BIT SOCKET



Art.	€	Size	D2	Length
BN423L020A	€ 8,60	T20	22 mm	100 mm
BN423L025A	€ 8,60	T25	22 mm	100 mm
BN423L027A	€ 8,60	T27	22 mm	100 mm
BN423L030A	€ 8,60	T30	22 mm	100 mm
BN423L040A	€ 9,00	T40	22 mm	100 mm
BN423L045A	€ 9,00	T45	22 mm	100 mm
BN423L050A	€ 9,00	T50	22 mm	100 mm
BN423L055A	€ 10,70	T55	22 mm	100 mm
BN423L060A	€ 10,70	T60	22 mm	100 mm
BN423L070A	€ 14,40	T70	22 mm	100 mm

BN433NX

RIBE BIT SOCKET



Art.	€	Size	D2	Length
BN433N008A	€ 8,20	M 8	22 mm	55 mm
BN433N009A	€ 8,20	M 9	22 mm	55 mm
BN433N010A	€ 8,20	M 10	22 mm	55 mm
BN433N012A	€ 9,00	M 12	22 mm	55 mm
BN433N013A	€ 9,60	M 13	24 mm	55 mm
BN433N014A	€ 9,60	M 14	24 mm	55 mm

BN433LX

LONG RIBE BIT SOCKET

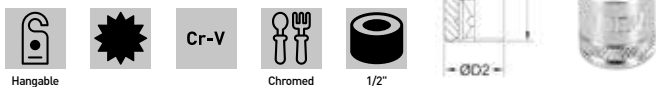


Art.	€	Size	D2	Length
BN433L008A	€ 10,20	M 8	24 mm	100 mm
BN433L009A	€ 10,20	M 9	24 mm	100 mm
BN433L010A	€ 10,20	M 10	24 mm	100 mm
BN433L012A	€ 11,10	M 12	24 mm	100 mm
BN433L013A	€ 11,10	M 13	24 mm	100 mm
BN433L014A	€ 12,90	M 14	24 mm	100 mm



BN443NX

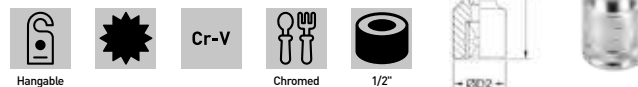
XZN BIT SOCKET



Art.	€	Size	D2	Length
BN443N005A	€ 8,60	M 5	22 mm	55 mm
BN443N006A	€ 8,60	M 6	22 mm	55 mm
BN443N008A	€ 8,60	M 8	22 mm	55 mm
BN443N009A	€ 8,60	M 9	22 mm	55 mm
BN443N010A	€ 8,60	M 10	22 mm	55 mm
BN443N012A	€ 9,70	M 12	22 mm	55 mm
BN443N014A	€ 9,70	M 14	24 mm	55 mm
BN443N016A	€ 9,80	M 16	24 mm	55 mm

BN443LX

LONG XZN BIT SOCKET



Art.	€	Size	D2	Length
BN443L005A	€ 9,80	M 5	22 mm	100 mm
BN443L006A	€ 9,80	M 6	22 mm	100 mm
BN443L008A	€ 9,80	M 8	22 mm	100 mm
BN443L009A	€ 10,30	M 9	22 mm	100 mm
BN443L010A	€ 10,30	M 10	22 mm	100 mm
BN443L012A	€ 10,80	M 12	22 mm	100 mm
BN443L014A	€ 11,40	M 14	24 mm	100 mm
BN443L016A	€ 11,80	M 16	24 mm	100 mm

BN4C3LX

SPARK PLUG SOCKET

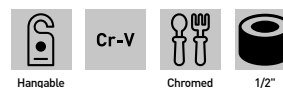


Art.	€	Size	Length
BN4C3L016A	€ 4,95	16 mm	65 mm
BN4C3L018A	€ 5,80	18 mm	65 mm
BN4C3L021A	€ 7,00	21 mm	65 mm



PN403NX

EXTENSION BAR

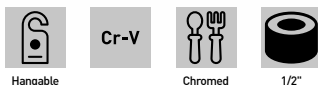


Art.	€	Length
PN403N050A	€ 5,10	50 mm
PN403N075A	€ 6,50	75 mm
PN403N150A	€ 9,10	150 mm
PN403N250A	€ 11,20	250 mm



EN403NX

WOBBLE EXTENSION BAR



Art.	€	Dr.	Length
EN403N050A	€ 6,00	1/2"	50 mm
EN403N075A	€ 6,50	1/2"	75 mm
EN403N125A	€ 9,10	1/2"	125 mm
EN403N250A	€ 15,50	1/2"	250 mm
EN403N500A	€ 26,00	1/2"	500 mm

LN400N1/2A

€ 12,60

SLIDING T BAR



Length 300 mm



RN4034NA

€ 3,73

ADAPTER



Length 36 mm



RN4032NA

€ 8,60

ADAPTER



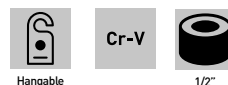
Length 46 mm



JN403NA

€ 10,60

UNIVERSAL JOINT



Length 75 mm



BN4E2NX

STANDARD 6 POINT HAND SOCKET

DIN 3124.



Art.	€	Size	D1	D2	Length
BN4E2N019	€ 8,10	19 mm	30 mm	36 mm	50 mm
BN4E2N020	€ 8,10	20 mm	31 mm	36 mm	50 mm
BN4E2N021	€ 8,10	21 mm	32 mm	36 mm	50 mm
BN4E2N022	€ 8,10	22 mm	33 mm	36 mm	50 mm
BN4E2N023	€ 8,10	23 mm	34 mm	36 mm	50 mm
BN4E2N024	€ 8,10	24 mm	35 mm	36 mm	50 mm
BN4E2N025	€ 8,10	25 mm	36 mm	35 mm	52 mm
BN4E2N026	€ 8,10	26 mm	37 mm	36 mm	52 mm
BN4E2N027	€ 9,60	27 mm	38 mm	36 mm	52 mm
BN4E2N028	€ 9,60	28 mm	39 mm	38 mm	52 mm
BN4E2N029	€ 9,60	29 mm	40 mm	38 mm	52 mm
BN4E2N030	€ 9,60	30 mm	42 mm	38 mm	54 mm
BN4E2N032	€ 9,60	32 mm	43 mm	38 mm	56 mm
BN4E2N033	€ 10,20	33 mm	44 mm	38 mm	56 mm
BN4E2N034	€ 10,20	34 mm	46 mm	38 mm	56 mm
BN4E2N035	€ 10,50	35 mm	47 mm	42 mm	56 mm
BN4E2N036	€ 10,50	36 mm	48 mm	42 mm	58 mm
BN4E2N038	€ 12,60	38 mm	50 mm	42 mm	58 mm
BN4E2N041	€ 14,20	41 mm	52 mm	45 mm	60 mm
BN4E2N046	€ 15,70	46 mm	56 mm	45 mm	64 mm
BN4E2N050	€ 18,90	50 mm	62 mm	48 mm	68 mm
BN4E2N055	€ 23,00	55 mm	68 mm	48 mm	72 mm
BN4E2N060	€ 28,60	60 mm	74 mm	48 mm	76 mm

BN4P2NX

STANDARD 12 POINT HAND SOCKET

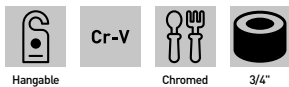
DIN 3124.



Art.	€	Size	D1	D2	Length
BN4P2N019	€ 7,50	19 mm	30 mm	36 mm	50 mm
BN4P2N020	€ 7,50	20 mm	31 mm	36 mm	50 mm
BN4P2N021	€ 7,50	21 mm	32 mm	36 mm	50 mm
BN4P2N022	€ 7,50	22 mm	33 mm	36 mm	50 mm
BN4P2N023	€ 7,50	23 mm	34 mm	36 mm	50 mm
BN4P2N024	€ 7,50	24 mm	35 mm	36 mm	50 mm
BN4P2N025	€ 7,50	25 mm	36 mm	35 mm	52 mm
BN4P2N026	€ 7,50	26 mm	37 mm	36 mm	52 mm
BN4P2N027	€ 9,10	27 mm	38 mm	36 mm	52 mm
BN4P2N028	€ 9,10	28 mm	39 mm	38 mm	52 mm
BN4P2N029	€ 9,10	29 mm	40 mm	38 mm	52 mm
BN4P2N030	€ 9,10	30 mm	42 mm	38 mm	54 mm
BN4P2N032	€ 9,10	32 mm	43 mm	38 mm	56 mm
BN4P2N033	€ 9,60	33 mm	44 mm	38 mm	56 mm
BN4P2N034	€ 10,20	34 mm	46 mm	38 mm	56 mm
BN4P2N035	€ 10,20	35 mm	47 mm	42 mm	56 mm
BN4P2N036	€ 10,20	36 mm	48 mm	42 mm	58 mm
BN4P2N038	€ 11,90	38 mm	50 mm	42 mm	58 mm
BN4P2N041	€ 13,40	41 mm	52 mm	45 mm	60 mm
BN4P2N046	€ 14,90	46 mm	56 mm	45 mm	64 mm
BN4P2N050	€ 17,90	50 mm	62 mm	48 mm	68 mm
BN4P2N055	€ 23,00	55 mm	68 mm	48 mm	72 mm
BN4P2N060	€ 28,60	60 mm	74 mm	48 mm	76 mm

PN402NX

EXTENSION BAR



Art.	€	Length
PN402N200A	€ 18,90	200 mm
PN402N400A	€ 29,00	400 mm

LN400N3/4A

€ 31,10

SLIDING T BAR

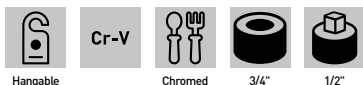


Length	500 mm
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RN4023NA

€ 8,60

ADAPTER

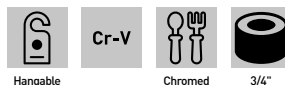


Length	50 mm
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JN402NA

€ 43,00

UNIVERSAL JOINT



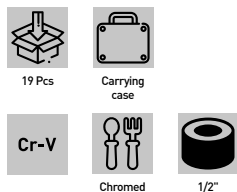
Length	110 mm
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0795/2 € 64,00

MULTILOCK SOCKET SET

Suitable for metric, inch, torx and XZN bolt.

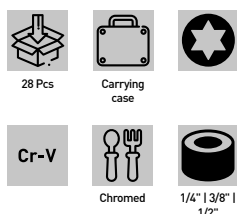


Sizes	8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 24 - 27 - 30 - 32 mm
Inch size	3/8" - 7/16" - 15/32" - 1/2" - 19/32" - 5/8" - 3/4" - 25/32" - 13/16" - 7/8" - 15/16" - 1-1/16" - 1-13/16" - 1-1/4"
Torx size	E12 - E14 - E16 - E18 - E20 - E22 - E24 - E26 - E28 - E30 - E34 - E38 - E40
XZN size	M12 - M14 - M16 - M18

0195 € 46,60

E SOCKET SET

Suitable for torx bolt

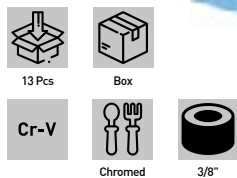


Torx size	1/4": E4 - E5 - E6 - E7 - E8 - E10 - E11 3/8": E4 - E5 - E6 - E7 - E8 - E10 - E11 - E12 - E14 - E16 - E18 - E20 1/2": E10 - E11 - E12 - E14 - E16 - E18 - E20 - E22 - E24
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SN4E4C013 PRO € 77,50

LOW PROFILE 12 POINT SOCKET SET

Composed of 12 sockets and 1 60t ratchet handle, suitable for operations in small spaces

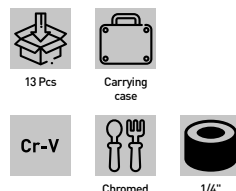


Socket	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm
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0795/1 € 23,20

MULTILOCK SOCKET SET

Suitable for metric, inch, torx and XZN bolt.

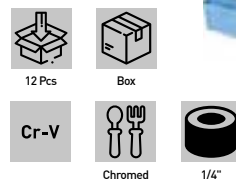


Sizes	4 - 4,5 - 5 - 5,5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 mm
Inch size	5/32" - 7/32" - 1/4" - 5/16" - 11/32" - 3/8" - 7/16" - 15/32" - 1/2"
Torx size	E5 - E6 - E8 - E10 - E12 - E14 - E16 - E18
XZN size	M5 - M6 - M8 - M9 - M10 - M12 - M14 - M16 - M18

SN4E5C012 PRO € 59,30

LOW PROFILE 12 POINT SOCKET SET

Composed of 11 sockets and 1 60t ratchet handle, suitable for operations in small spaces

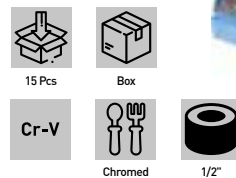


Socket	4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm
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SN4E3C015 PRO € 98,60

LOW PROFILE 12 POINT SOCKET SET

Composed of 14 sockets and 1 60t ratchet handle, suitable for operations in small spaces

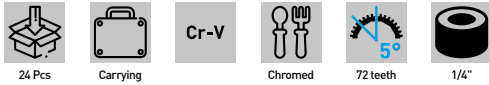


Socket	8, 10, 11, 12, 13, 14, 15, 17, 18, 19, 21, 22, 23, 24 mm
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0589 € 71,50

LOW PROFILE GO-THROUGH SPLINE SOCKET SET

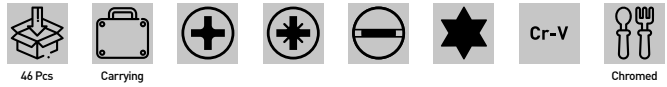
Composed of 11 go-through spline sockets, one ratchet handle and accessories, suitable for metric, inch, torx and XZN size, can operate in small spaces.



Socket	4.5 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm
Ratchet handle	
Extension	50 mm
Socket	1/4"
Bit holder	
Bits	PH: 1 - 2 - 3 (S2) Torx: T10-T15-T20-T25-T30-T40 (S2)

0624 € 67,30

1/4" DR. SOCKET SET



1/4" Dr. sockets	4 - 4.5 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 mm
Sockets with bits	1/4" : T8 - T10 - T15 - T20 - T25 - T30 - T40 - H3 - H4 - H5 - H6 - H7 - H8 - SL4 - SL5.5 - SL7 - PH1 - PH2 - PH3 - PZ1 - PZ2 - PZ3
Ratchet handle	1/4"
Flexible bar	1/4" - 150 mm
1/4" Dr. socket-bars	50 - 100 mm
Socket handle	1/4"
Universal joint	1/4"
Sliding T-bar	1/4"
Hex keys	1,27 - 1,5 - 2 - 2.5 mm

S520 € 41,00

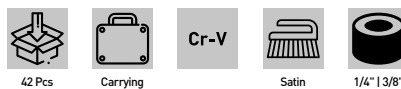
1/4" DR. 6 POINT SAE SOCKET SET



1/4" Dr. sockets	5/32", 3/16", 7/32", 1/4", 9/32" 5/16", 11/32", 3/8", 13/32", 7/16", 15/32", 1/2", 9/16"
Universal joint	1/4"
1/4" Dr. socket-bars	2", 4", 6"
Sliding T-bar	1/4"
Socket handle	1/4"
Ratchet handle	1/4"

0679 € 77,00

3/8" AND 1/4" DR. SOCKET SET



3/8" Dr. sockets	9 - 10 - 11 - 12 - 13 - 14 - 15 - 17 - 19 mm
Spark plug sockets sizes	3/8" : 16 - 21 mm
3/8" Dr. socket-bars	75 - 150 mm
Universal joint	3/8"
Adapter	F. 1/2" - M. 3/8"
Ratchet handle	3/8"
1/4" Dr. sockets	4 - 4.5 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm
Socket handle	1/4"
Adapter	F. 3/8" - M. 1/4"
Bits holder socket	1/4"
Bits	PH1 - PH2 - PH3 - H3 - H4 - H5 - H6 - H7 - SL4 - SL5,5 - SL7



S328 **PRO** € 134,00

1/2" DR. SOCKET SET



28 Pcs	Carrying case	1/2"	Cr-V	Chromed	1/2"
1/2" Dr. sockets		8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 27 - 30 - 32 mm			
Spark plug sockets sizes		1/2" : 16 - 21 mm			
1/2" Dr. socket-bars		75 - 150 - 250 mm			
Universal joint		1/2"			
Adapter		F. 3/8" - M. 1/2"			
Ratchet handle		1/2"			

SN4P3N027 **PRO** € 119,00

1/2" DR. 6 POINT SAE SOCKET SET

Composed of 20 standard sockets, 2 spark plug sockets, 1 ratchet handle, 1 universal joint, 2 extension bars and 1 sliding T-bar.



27 Pcs	Carrying case	1/2"	Cr-V	Chromed	1/2"
Standard sockets sizes		5/16", 3/8", 7/16", 15/32", 1/2", 9/16", 19/32", 5/8", 11/16", 3/4", 25/32", 13/16", 7/8", 15/16", 1", 1-1/16", 1-3/16", 1-1/4", 23/32", 1-1/8"			
Spark plug sockets sizes		5/8", 13/16"			
Extension bars sizes		3", 10"			

0620 € 119,00

1/2" DR. SOCKET SET



24 Pcs	Carrying case	1/2"	Cr-V	Chromed	1/2"
1/2" Dr. sockets		10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 27 - 30 - 32 mm			
Spark plug sockets sizes		1/2" : 21 mm			
1/2" Dr. socket-bars		125 - 250 mm			
Universal joint		1/2"			
Sliding T-bar		1/2"			
Ratchet handle		1/2"			

0181 € 159,00

3/4" DR. SOCKET SET



20 Pcs	Carrying case	3/4"	40 Cr	Satin	3/4"
Sizes		19 - 21 - 22 - 23 - 24 - 26 - 27 - 30 - 32 - 34 - 36 - 38 - 41 - 46 - 48 - 50 mm			
Ratchet handle		3/4"			
Sliding T-bar		3/4"			
Extension bars		3/4" : 100 - 200 mm			

0622

€ 50,70

SOCKET TORX BIT SET



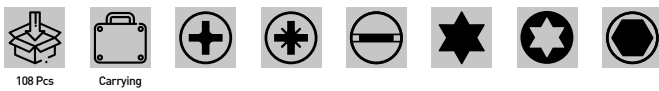
Sizes T20 - T25 - T27 - T30 - T40 T45 - T50 - T55 - T60 - T70



S108

€ 179,00

1/4" & 1/2" DR. SOCKET SET



1/4" Dr. sockets	4 - 4.5 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 mm
1/4" Dr. deep sockets	6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm
1/4" Dr. deep sockets	Torx: E4 - E5 - E6 - E7 - E8 mm
1/2" Dr. sockets	10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 24 - 27 - 30 - 32 mm
1/2" Dr. deep sockets	14 - 15 - 17 - 19 - 22 mm
1/2" Dr. sockets	Torx: E10 - E11 - E12 - E14 - E16 - E18 - E20 - E24
Sockets with bits	1/4" : T8 - T10 - T15 - T20 - T25 - T27 - T30 - H3 - H4 - H5 - H6 - SL4 - SL5.5 - SL6.5 - PH1 - PH2 - Pcs1 - Pcs2
Spark plug sockets sizes	1/2" : 16 - 21 mm
Bits holder socket	1/2"
Bits	5/16" x 30mm : H7 - H8 - H10 - H12 - H14 - SL8 - SL10 - SL12 - PH3 - PH4 - Pcs3 - Pcs4 - T40 - T45 - T50 - T55 - T60
1/4" Dr. socket-bars	50 - 85 mm
1/2" Dr. socket-bars	125 - 250 mm
Socket handle	1/4"
Adapter	F. 3/8" - M. 1/2"
Universal joint	1/4"
Universal joint	1/2"
Sliding T-bar	1/4"
Ratchet handle	1/4"
Ratchet handle	1/2"
Hex keys	1.5 - 2 - 2.5 mm





0618

€ 198,00

1/2" & 1/4" DR. SOCKET SET



1/4" Dr. sockets	4 - 4.5 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 mm
1/4" Dr. deep sockets	6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm
Male adapter 1/4" Dr. and 1/4" hex	
1/2" Dr. sockets	10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 27 - 30 - 32 mm
1/2" Dr. deep sockets	14 - 15 - 17 - 19 mm
Flexible bar	1/4" - 150 mm
Sockets with bits	1/4" : T8 - T10 - T15 - T20 - T25 - T30 - H3 - H4 - H5 - H6 - SL4 - SL5.5 - SL7 - PH1 - PH2 - Pcs1 - Pcs2
Spark plug sockets sizes	1/2" : 16 - 21 mm
Socket for 5/16" inserts	1/2"
Bits	5/16" x 30mm : H8 - H10 - H12 - H14 - SL8 - SL10 - SL12 - PH3 - PH4 - Pcs3 - Pcs4 - T40 - T45 - T50 - T55
1/4" Dr. socket-bars	50 - 100 mm
1/2" Dr. socket-bars	125 - 250 mm
Socket handle	1/4"
Adapter	F. 3/8" - M. 1/2"
Universal joint	1/4"
Universal joint	1/2"
Sliding T-bar	1/4"
Ratchet handle	1/4"
Ratchet handle	1/2"
Hex keys	1.5 - 2 - 2.5 mm



S179

€ 307,00

DR. SOCKET SET



1/4" Dr. sockets	4 - 4.5 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 mm
1/4" Dr. deep sockets	6 - 7 - 8 - 9 - 10 mm
1/4" Dr. deep sockets	Torx: E4 - E5 - E6 - E7 - E8 mm
1/4" Dr. socket-bars	50 - 100 mm
Sliding T-bar	1/4"
Bits holder socket	1/4"
Sockets with bits	1/4" - Torx: T8 - T9 - T10 - T15 - T20 - T25 - T27 - T30
Sockets with tampered bits	1/4" - Torx: T8H - T9H - T10H - T15H - T20H - T25H - T27H - T30H
Sockets with bits	1/4" : PH0 - PH1 - PH2
Sockets with bits	1/4" : Pcs0 - Pcs1 - Pcs2
Sockets with hex bits	1/4" : 3 - 4 - 5 - 6 mm
Sockets with slotted bits	1/4" : 4 - 5.5 - 6.5 - 7 mm
Universal joint	1/4"
Socket handle	1/4"
Ratchet handle	1/4"
3/8" Dr. sockets	10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm
3/8" Dr. sockets	Torx: E10 - E11 - E12 - E13
3/8" Dr. deep sockets	10 - 11 - 12 - 13 - 14 - 15 mm
Spark plug sockets sizes	3/8" - 18 mm
3/8" Dr. socket-bars	150 mm
Socket for 5/16" inserts	3/8"
Universal joint	3/8"
Ratchet handle	3/8"
1/2" Dr. sockets	10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 24 - 27 - 30 - 32 mm
1/2" Dr. deep sockets	16 - 17 - 18 - 19 - 22 mm
1/2" Dr. sockets	Torx: E16 - E18 - E20 - E24
Spark plug sockets sizes	1/2" : 16 - 21 mm
1/2" Dr. socket-bars	125 - 250 mm
Socket for 5/16" inserts	1/2"



Universal joint	1/2"
Adapter	F. 3/8" - M. 1/2"
Ratchet handle	1/2"
Bits	1/4" x 25 mm XZN: M5 - M6 - M8
Bits	1/4" x 25 mm Torx: T5 - T6 - T7 - T8 - T9 - T10 - T15 - T20 - T25 - T27 - T30
Bits	1/4" x 25 mm Ribe: RM5 - RM6 - RM7 - RM8 - RM9
Bits	1/4" x 25 mm Torx "5": TS7 - TS10 - TS15 - TS20 - TS25 - TS27 - TS30 - TS40 - TS45
Bits	5/16" x 30 mm Torx: T40 - T45 - T50 - T55 - T60 - T70
Tampered bits	5/16" x 30 mm Torx: T40H - T45H - T50H - T55H - T60H - T70H
Hex bits	5/16" x 30 mm: 7 - 8 - 10 - 12 - 14 mm
Bits	5/16" x 30 mm: PH3 - PH4
Bits	5/16" x 30 mm: Pcs3 - Pcs4
Slotted bits	5/16" x 30 mm: 8 - 10 - 12 mm
Hex keys	1.3 - 1.5 - 2 - 2.5 - 3 - 4 - 5 mm

BI4E3NX

STANDARD IMPACT SOCKET

DIN 3129.



BI4E3LX

DEEP IMPACT SOCKET

DIN 3129.



Art.	€	Size	D1	D2	Length
BI4E3N008	€ 4,04	8 mm	15 mm	24 mm	38 mm
BI4E3N009	€ 4,04	9 mm	16 mm	24 mm	38 mm
BI4E3N010	€ 4,04	10 mm	17,5 mm	24 mm	38 mm
BI4E3N011	€ 4,04	11 mm	18,5 mm	24 mm	38 mm
BI4E3N012	€ 4,04	12 mm	19,5 mm	24 mm	38 mm
BI4E3N013	€ 4,04	13 mm	20,5 mm	24 mm	38 mm
BI4E3N014	€ 4,04	14 mm	22 mm	24 mm	38 mm
BI4E3N015	€ 4,56	15 mm	24 mm	24 mm	38 mm
BI4E3N016	€ 4,56	16 mm	24 mm	24 mm	38 mm
BI4E3N017	€ 4,56	17 mm	26 mm	26 mm	38 mm
BI4E3N018	€ 4,56	18 mm	28 mm	28 mm	38 mm
BI4E3N019	€ 4,56	19 mm	28 mm	28 mm	38 mm
BI4E3N020	€ 5,50	20 mm	30 mm	30 mm	38 mm
BI4E3N021	€ 5,50	21 mm	30 mm	30 mm	38 mm
BI4E3N022	€ 5,50	22 mm	32 mm	30 mm	38 mm
BI4E3N023	€ 5,80	23 mm	34 mm	30 mm	38 mm
BI4E3N024	€ 5,80	24 mm	34 mm	30 mm	38 mm
BI4E3N025	€ 5,80	25 mm	36 mm	30 mm	38 mm
BI4E3N026	€ 6,50	26 mm	36 mm	30 mm	38 mm
BI4E3N027	€ 6,50	27 mm	38 mm	30 mm	42 mm
BI4E3N028	€ 7,70	28 mm	40 mm	30 mm	42 mm
BI4E3N029	€ 7,70	29 mm	42 mm	30 mm	42 mm
BI4E3N030	€ 8,30	30 mm	42 mm	30 mm	42 mm
BI4E3N031	€ 8,50	31 mm	44 mm	30 mm	42 mm
BI4E3N032	€ 9,30	32 mm	44 mm	30 mm	44 mm

Art.	€	Size	D1	D2	Length
BI4E3L008	€ 6,70	8 mm	15 mm	24 mm	78 mm
BI4E3L009	€ 6,70	9 mm	16 mm	24 mm	78 mm
BI4E3L010	€ 6,70	10 mm	17,5 mm	24 mm	78 mm
BI4E3L011	€ 6,70	11 mm	18,5 mm	24 mm	78 mm
BI4E3L012	€ 6,70	12 mm	19,5 mm	24 mm	78 mm
BI4E3L013	€ 6,70	13 mm	20,5 mm	24 mm	78 mm
BI4E3L014	€ 6,70	14 mm	22 mm	24 mm	78 mm
BI4E3L015	€ 8,00	15 mm	24 mm	24 mm	78 mm
BI4E3L016	€ 8,00	16 mm	24 mm	24 mm	78 mm
BI4E3L017	€ 8,00	17 mm	26 mm	26 mm	78 mm
BI4E3L018	€ 8,00	18 mm	28 mm	28 mm	78 mm
BI4E3L019	€ 8,00	19 mm	28 mm	28 mm	78 mm
BI4E3L020	€ 8,00	20 mm	30 mm	30 mm	78 mm
BI4E3L021	€ 8,00	21 mm	30 mm	30 mm	78 mm
BI4E3L022	€ 8,30	22 mm	32 mm	30 mm	78 mm
BI4E3L023	€ 8,50	23 mm	34 mm	30 mm	78 mm
BI4E3L024	€ 9,70	24 mm	34 mm	30 mm	78 mm
BI4E3L025	€ 10,60	25 mm	36 mm	30 mm	78 mm
BI4E3L026	€ 10,80	26 mm	36 mm	30 mm	78 mm
BI4E3L027	€ 10,80	27 mm	38 mm	30 mm	78 mm
BI4E3L028	€ 11,40	28 mm	40 mm	30 mm	78 mm
BI4E3L029	€ 11,40	29 mm	42 mm	30 mm	78 mm
BI4E3L030	€ 11,40	30 mm	42 mm	30 mm	78 mm
BI4E3L031	€ 11,80	31 mm	44 mm	30 mm	78 mm
BI4E3L032	€ 11,80	32 mm	44 mm	30 mm	78 mm

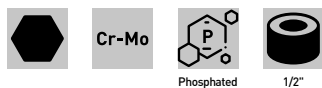




BI413LOX

IMPACT HEX BIT SOCKET

DIN 3129.

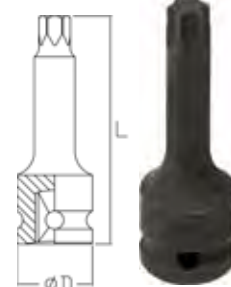
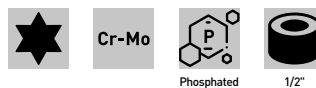


Art.	€	Size	D	Length
BI413L004	€ 6,30	4 mm	25 mm	78 mm
BI413L005	€ 6,30	5 mm	25 mm	78 mm
BI413L006	€ 6,30	6 mm	25 mm	78 mm
BI413L008	€ 6,30	8 mm	25 mm	78 mm
BI413L010	€ 6,30	10 mm	25 mm	78 mm
BI413L012	€ 6,30	12 mm	25 mm	78 mm
BI413L014	€ 6,30	14 mm	25 mm	78 mm
BI413L017	€ 7,10	17 mm	25 mm	78 mm
BI413L019	€ 7,70	19 mm	25 mm	78 mm

BI423LX

IMPACT TORX BIT SOCKET

DIN 3121 & 3129.

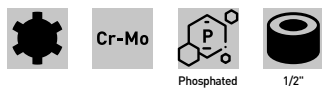


Art.	€	Size	D	Length
BI423L025	€ 7,10	T25	25 mm	78 mm
BI423L027	€ 7,10	T27	25 mm	78 mm
BI423L030	€ 7,10	T30	25 mm	78 mm
BI423L040	€ 7,60	T40	25 mm	78 mm
BI423L045	€ 7,70	T45	25 mm	78 mm
BI423L050	€ 7,70	T50	25 mm	78 mm
BI423L060	€ 10,00	T60	25 mm	78 mm
BI423L070	€ 11,20	T70	25 mm	78 mm
BI423L080	€ 11,60	T80	25 mm	78 mm

BI433MX

IMPACT RIBE BIT SOCKET

DIN 3121 & 3129.

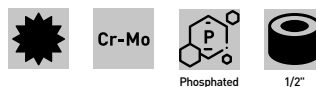


Art.	€	Size	D	Length
BI433M004	€ 6,20	4	25 mm	60 mm
BI433M005	€ 6,20	5	25 mm	60 mm
BI433M006	€ 6,20	6	25 mm	60 mm
BI433M007	€ 6,20	7	25 mm	60 mm
BI433M008	€ 6,20	8	25 mm	60 mm
BI433M009	€ 6,20	9	25 mm	60 mm
BI433M010	€ 6,20	10	25 mm	60 mm
BI433M012	€ 7,10	12	25 mm	60 mm
BI433M014	€ 7,70	14	25 mm	60 mm
BI433M016	€ 8,00	16	25 mm	60 mm
BI433M018	€ 8,30	18	25 mm	60 mm

BI443MX

IMPACT XZN BIT SOCKET

DIN 3121 & 3129.

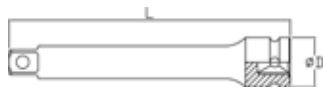
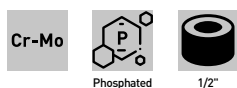


Art.	€	Size	D	Length
BI443M004	€ 6,20	4	25 mm	60 mm
BI443M005	€ 6,20	5	25 mm	60 mm
BI443M006	€ 6,20	6	25 mm	60 mm
BI443M008	€ 6,20	8	25 mm	60 mm
BI443M010	€ 6,20	10	25 mm	60 mm
BI443M012	€ 6,20	12	25 mm	60 mm
BI443M014	€ 6,50	14	25 mm	60 mm
BI443M016	€ 6,70	16	25 mm	60 mm
BI443M018	€ 7,20	18	25 mm	60 mm
BI443M020	€ 7,70	20	25 mm	60 mm

PI403X

IMPACT EXTENSION BAR

DIN 3121 & 3129.

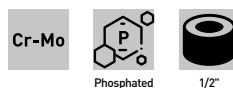


Art.	€	D	Length
PI403075	€ 8,00	25 mm	75 mm
PI403125	€ 8,70	25 mm	125 mm
PI403150	€ 10,60	25 mm	150 mm
PI403250	€ 13,10	25 mm	250 mm

PI453X

QUICK RELEASE IMPACT EXTENSION BAR

DIN 3121 & 3129.



Art.	€	D	Length
PI453075	€ 18,90	25 mm	75 mm
PI453150	€ 20,40	25 mm	125 mm
PI453250	€ 23,00	25 mm	250 mm

BI4E2NX

STANDARD IMPACT SOCKET

DIN 3129.



Art.	€	Size	D1	D2	Length
BI4E2N018	€ 10,60	18 mm	30 mm	44 mm	51 mm
BI4E2N019	€ 10,60	19 mm	32 mm	44 mm	51 mm
BI4E2N020	€ 10,60	20 mm	33 mm	44 mm	51 mm
BI4E2N021	€ 10,60	21 mm	35 mm	44 mm	51 mm
BI4E2N022	€ 10,60	22 mm	36 mm	44 mm	51 mm
BI4E2N023	€ 10,60	23 mm	38 mm	44 mm	51 mm
BI4E2N024	€ 10,60	24 mm	39 mm	44 mm	51 mm
BI4E2N025	€ 10,60	25 mm	41 mm	44 mm	54 mm
BI4E2N026	€ 10,60	26 mm	41 mm	44 mm	54 mm
BI4E2N027	€ 10,60	27 mm	42 mm	44 mm	54 mm
BI4E2N028	€ 11,30	28 mm	44 mm	44 mm	54 mm
BI4E2N029	€ 11,30	29 mm	46 mm	44 mm	54 mm
BI4E2N030	€ 11,30	30 mm	46 mm	44 mm	54 mm
BI4E2N032	€ 12,60	32 mm	48 mm	44 mm	57 mm
BI4E2N033	€ 12,60	33 mm	50 mm	44 mm	57 mm
BI4E2N034	€ 13,60	34 mm	52 mm	44 mm	57 mm
BI4E2N035	€ 13,70	35 mm	52 mm	44 mm	57 mm
BI4E2N036	€ 13,90	36 mm	54 mm	44 mm	57 mm
BI4E2N038	€ 16,20	38 mm	56 mm	44 mm	57 mm
BI4E2N041	€ 18,00	41 mm	60 mm	44 mm	58 mm
BI4E2N046	€ 19,80	46 mm	66 mm	44 mm	68 mm
BI4E2N050	€ 30,80	50 mm	71 mm	54 mm	68 mm
BI4E2N055	€ 37,70	55 mm	77 mm	54 mm	73 mm
BI4E2N060	€ 40,90	60 mm	84 mm	54 mm	75 mm
BI4E2N065	€ 45,80	65 mm	88 mm	54 mm	78 mm

BI4E2LX

DEEP IMPACT SOCKET

DIN 3129.



Art.	€	Size	D1	D2	Length
BI4E2L018	€ 18,90	18 mm	30 mm	44 mm	90 mm
BI4E2L019	€ 18,90	19 mm	32 mm	44 mm	90 mm
BI4E2L020	€ 18,90	20 mm	33 mm	44 mm	90 mm
BI4E2L021	€ 18,90	21 mm	35 mm	44 mm	90 mm
BI4E2L022	€ 18,90	22 mm	36 mm	44 mm	90 mm
BI4E2L023	€ 18,90	23 mm	38 mm	44 mm	90 mm
BI4E2L024	€ 18,90	24 mm	39 mm	44 mm	90 mm
BI4E2L025	€ 18,90	25 mm	41 mm	44 mm	90 mm
BI4E2L026	€ 18,90	26 mm	41 mm	44 mm	90 mm
BI4E2L027	€ 18,90	27 mm	42 mm	44 mm	90 mm
BI4E2L028	€ 18,90	28 mm	44 mm	44 mm	90 mm
BI4E2L029	€ 18,90	29 mm	46 mm	44 mm	90 mm
BI4E2L030	€ 18,90	30 mm	46 mm	44 mm	90 mm
BI4E2L032	€ 20,30	32 mm	48 mm	44 mm	90 mm
BI4E2L033	€ 20,30	33 mm	50 mm	44 mm	90 mm
BI4E2L034	€ 20,80	34 mm	52 mm	44 mm	90 mm
BI4E2L035	€ 20,80	35 mm	52 mm	44 mm	90 mm
BI4E2L036	€ 20,80	36 mm	54 mm	44 mm	90 mm
BI4E2L038	€ 24,60	38 mm	56 mm	44 mm	90 mm
BI4E2L041	€ 26,00	41 mm	60 mm	44 mm	90 mm
BI4E2L046	€ 33,80	46 mm	66 mm	44 mm	90 mm
BI4E2L050	€ 42,00	50 mm	71 mm	54 mm	90 mm

PI402X

IMPACT EXTENSION BAR

DIN 3121 & 3129.



Art.	€	D	Length
PI402175	€ 30,10	44 mm	175 mm
PI402200	€ 33,20	44 mm	200 mm
PI402300	€ 43,50	44 mm	300 mm
PI402400	€ 61,50	44 mm	400 mm





BI4E1NX

STANDARD IMPACT SOCKET

DIN 3129.

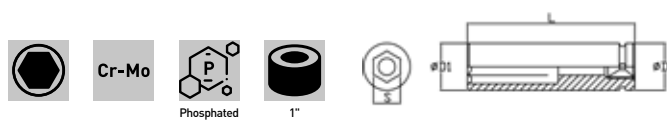


Art.	€	Size	D1	D2	Length
BI4E1N021	€ 19,50	21 mm	38 mm	54 mm	58 mm
BI4E1N022	€ 19,50	22 mm	39 mm	54 mm	58 mm
BI4E1N023	€ 19,50	23 mm	41 mm	54 mm	58 mm
BI4E1N024	€ 19,50	24 mm	42 mm	54 mm	58 mm
BI4E1N025	€ 19,50	25 mm	43 mm	54 mm	58 mm
BI4E1N026	€ 19,50	26 mm	44 mm	54 mm	58 mm
BI4E1N027	€ 19,50	27 mm	46 mm	54 mm	58 mm
BI4E1N028	€ 19,50	28 mm	47 mm	54 mm	58 mm
BI4E1N029	€ 19,50	29 mm	48 mm	54 mm	58 mm
BI4E1N030	€ 19,50	30 mm	49 mm	54 mm	62 mm
BI4E1N031	€ 19,50	31 mm	50 mm	54 mm	62 mm
BI4E1N032	€ 19,50	32 mm	52 mm	54 mm	62 mm
BI4E1N033	€ 19,50	33 mm	54 mm	54 mm	62 mm
BI4E1N034	€ 21,60	34 mm	54 mm	54 mm	62 mm
BI4E1N035	€ 21,60	35 mm	54 mm	54 mm	62 mm
BI4E1N036	€ 22,40	36 mm	56 mm	54 mm	65 mm
BI4E1N037	€ 22,90	37 mm	57 mm	54 mm	65 mm
BI4E1N038	€ 25,70	38 mm	58 mm	54 mm	65 mm
BI4E1N039	€ 25,70	39 mm	59 mm	54 mm	65 mm
BI4E1N040	€ 25,70	40 mm	60 mm	54 mm	65 mm
BI4E1N041	€ 25,70	41 mm	61 mm	54 mm	68 mm
BI4E1N042	€ 28,80	42 mm	64 mm	54 mm	68 mm
BI4E1N043	€ 28,80	43 mm	66 mm	54 mm	68 mm
BI4E1N044	€ 28,80	44 mm	66 mm	54 mm	68 mm
BI4E1N045	€ 28,80	45 mm	67 mm	54 mm	68 mm
BI4E1N046	€ 28,80	46 mm	68 mm	54 mm	72 mm
BI4E1N047	€ 32,20	47 mm	69 mm	54 mm	72 mm
BI4E1N048	€ 32,20	48 mm	70 mm	54 mm	72 mm
BI4E1N050	€ 32,20	50 mm	74 mm	54 mm	75 mm
BI4E1N052	€ 40,00	52 mm	75 mm	54 mm	75 mm
BI4E1N054	€ 40,00	54 mm	78 mm	54 mm	80 mm
BI4E1N055	€ 41,50	55 mm	80 mm	54 mm	83 mm
BI4E1N056	€ 44,60	56 mm	81 mm	54 mm	83 mm
BI4E1N060	€ 44,60	60 mm	86 mm	54 mm	87 mm
BI4E1N065	€ 48,60	65 mm	92 mm	54 mm	90 mm
BI4E1N070	€ 54,70	70 mm	97 mm	54 mm	93 mm
BI4E1N075	€ 64,70	75 mm	104 mm	86 mm	95 mm
BI4E1N080	€ 91,10	80 mm	112 mm	86 mm	95 mm
BI4E1N085	€ 105,00	85 mm	115 mm	86 mm	100 mm
BI4E1N090	€ 117,00	90 mm	124 mm	86 mm	105 mm
BI4E1N095	€ 147,00	95 mm	130 mm	86 mm	105 mm
BI4E1N100	€ 182,00	100 mm	135 mm	86 mm	105 mm

BI4E1LX

DEEP IMPACT SOCKET

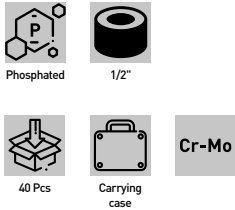
DIN 3129.



Art.	€	Size	D1	D2	Length
BI4E1L021	€ 27,10	21 mm	38 mm	54 mm	90 mm
BI4E1L022	€ 27,10	22 mm	39 mm	54 mm	90 mm
BI4E1L023	€ 27,10	23 mm	41 mm	54 mm	90 mm
BI4E1L024	€ 27,10	24 mm	42 mm	54 mm	90 mm
BI4E1L027	€ 27,10	27 mm	46 mm	54 mm	90 mm
BI4E1L028	€ 27,10	28 mm	47 mm	54 mm	90 mm
BI4E1L030	€ 27,10	30 mm	49 mm	54 mm	90 mm
BI4E1L032	€ 27,10	32 mm	52 mm	54 mm	90 mm
BI4E1L033	€ 27,10	33 mm	54 mm	54 mm	90 mm
BI4E1L034	€ 27,40	34 mm	54 mm	54 mm	90 mm
BI4E1L035	€ 27,60	35 mm	54 mm	54 mm	90 mm
BI4E1L036	€ 27,60	36 mm	56 mm	54 mm	90 mm
BI4E1L038	€ 31,80	38 mm	58 mm	54 mm	95 mm
BI4E1L039	€ 33,30	39 mm	59 mm	54 mm	95 mm
BI4E1L040	€ 33,30	40 mm	60 mm	54 mm	95 mm
BI4E1L041	€ 34,20	41 mm	61 mm	54 mm	95 mm
BI4E1L042	€ 34,20	42 mm	64 mm	54 mm	95 mm
BI4E1L043	€ 36,20	43 mm	66 mm	54 mm	95 mm
BI4E1L044	€ 36,20	44 mm	66 mm	54 mm	95 mm
BI4E1L045	€ 36,90	45 mm	67 mm	54 mm	95 mm
BI4E1L046	€ 36,90	46 mm	68 mm	54 mm	95 mm
BI4E1L048	€ 45,10	48 mm	70 mm	54 mm	100 mm
BI4E1L049	€ 46,60	49 mm	72 mm	54 mm	100 mm
BI4E1L050	€ 46,60	50 mm	74 mm	54 mm	100 mm
BI4E1L051	€ 48,10	51 mm	74 mm	54 mm	100 mm
BI4E1L052	€ 48,90	52 mm	74 mm	54 mm	100 mm
BI4E1L054	€ 48,90	54 mm	78 mm	54 mm	100 mm
BI4E1L055	€ 52,60	55 mm	80 mm	54 mm	105 mm
BI4E1L057	€ 54,80	57 mm	82 mm	54 mm	105 mm
BI4E1L060	€ 72,60	60 mm	86 mm	54 mm	110 mm
BI4E1L065	€ 87,20	65 mm	92 mm	54 mm	115 mm
BI4E1L070	€ 86,90	70 mm	97 mm	54 mm	120 mm
BI4E1L075	€ 127,00	75 mm	104 mm	86 mm	135 mm
BI4E1L080	€ 137,00	80 mm	112 mm	86 mm	135 mm
BI4E1L085	€ 144,00	85 mm	115 mm	86 mm	140 mm
BI4E1L090	€ 189,00	90 mm	124 mm	86 mm	140 mm
BI4E1L095	€ 246,00	95 mm	130 mm	86 mm	140 mm

I340 € 235,00

STANDARD & DEEP IMPACT SOCKET SET

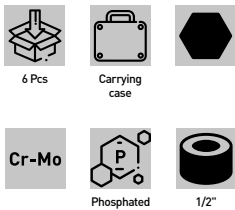


1/2" Dr. sockets	9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 26 - 27 - 30 mm
1/2" Dr. deep sockets	9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 26 - 27 - 30 mm
Universal joint	1/2"
1/2" Dr. socket-bars	125 mm

SI413M006 € 51,80

IMPACT HEX BIT SOCKET SET

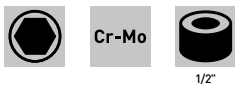
DIN 3129.



Socket	8, 10, 12, 14, 17, 19 mm
Length	60 mm

0341-X

IMPACT HEX SOCKET WITH PLASTIC SLEEVE

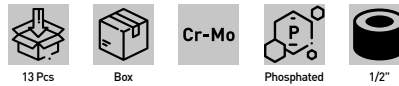
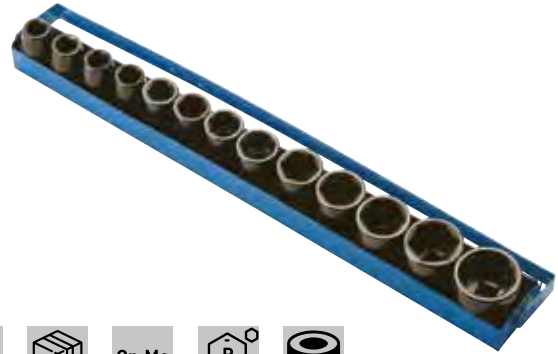


Art.	€	Size	Length
0341/17	€ 8,80	17 mm	87 mm
0341/19	€ 8,80	19 mm	87 mm
0341/21	€ 8,80	21 mm	87 mm
0341/22	€ 10,90	22 mm	87 mm
0341/24	€ 12,40	24 mm	87 mm

SI4E3N013 € 59,30

STANDARD IMPACT SOCKET SET

DIN 3129

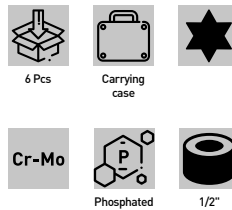


Socket	10, 11, 12, 13, 14, 16, 17, 19, 21, 22, 24, 27, 30 mm
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SI423M006 € 59,30

IMPACT TORX BIT SOCKET SET

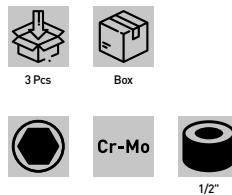
DIN 3129.



Length	60 mm
Socket	T40, T45, T50, T55, T60, T70

0341 € 36,90

DEEP IMPACT HEX SOCKET SET WITH PLASTIC SLEEVE



Sizes	17 - 19 - 21 mm
Length	87 mm



0341/5S € 51,80

IMPACT HEX SOCKET SET WITH PLASTIC SLEEVE



5 Pcs



Box



Cr-Mo



1/2"

Sizes	17 - 19 - 21 - 22 - 24 mm
Length	87 mm

0341/3LS € 56,90

IMPACT HEX SOCKET SET WITH PLASTIC SLEEVE



3 Pcs



Box



Cr-Mo



1/2"

Sizes	17 - 19 - 21 mm
Length	150 mm

I306 **PRO** € 70,50

LONG IMPACT SOCKET SET



3 Pcs



Box



Cr-Mo



Chromed



1/2"

Sizes	17 - 19 - 21 mm
Length	150 mm

0341-XL
LONG IMPACT HEX SOCKET WITH PLASTIC SLEEVE



Cr-Mo



1/2"

Art.	€	Size	Length
0341/17L	€ 17,20	17 mm	150 mm
0341/19L	€ 17,20	19 mm	150 mm
0341/21L	€ 17,20	21 mm	150 mm

0341-SX
PLASTIC SLEEVE FOR HEX IMPACT SOCKETS



Plastic

Art.	€	Size
0341/S17	€ 1,03	17 mm
0341/S19	€ 1,03	19 mm
0341/S21	€ 1,03	21 mm
0341/S22	€ 1,03	22 mm
0341/S24	€ 1,03	24 mm

I217 € 310,00

METRIC STANDARD IMPACT SOCKET SET



17 Pcs



Carrying case



Cr-Mo



Phosphated



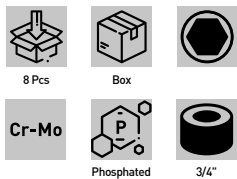
3/4"

Sizes	19 - 21 - 22 - 24 - 27 - 30 - 32 - 33 - 34 - 35 - 36 - 38 - 40 - 41 - 46 - 50 - 55 mm
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SI4E2N008 € 110,00

STANDARD IMPACT SOCKET SET

DIN 3129.

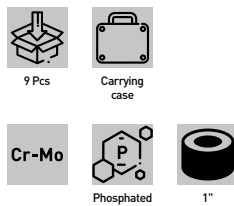


Socket 26, 27, 29, 30, 32, 35, 36, 38 mm

I109 € 177,00

IMPACT SOCKET SET

DIN 3129.

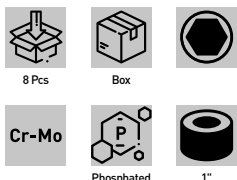


1" Dr. sockets 21 - 22 - 24 - 26 - 30 - 38 mm
1" Dr. deep sockets 27 - 28 - 32 mm

SI4E1N008 € 162,00

STANDARD IMPACT SOCKET SET

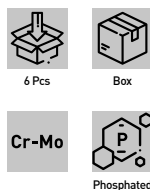
DIN 3129.



Socket 24, 27, 30, 32, 33, 36, 38, 41 mm

SI40N006 € 37,30

IMPACT ADAPTER SET

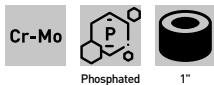


Sizes 1/4" int. - 3/8" ext.; 3/8" int. - 1/4" ext.; 3/8" int. - 1/2" ext.; 1/2" int. - 3/8" ext.; 1/2" int. - 3/4" ext.
Blow mould case 126 x 100 x 52 mm

PI401X

IMPACT EXTENSION BAR

DIN 3121 & 3129.

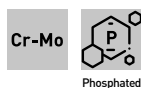


Art.	€	D	Length
PI401175	€ 41,40	54 mm	175 mm
PI401200	€ 44,50	54 mm	200 mm
PI401250	€ 53,80	54 mm	250 mm
PI401300	€ 57,30	54 mm	300 mm
PI401400	€ 72,60	54 mm	400 mm

JI40XL

IMPACT UNIVERSAL JOINT

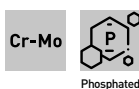
Heavy duty, 3/4" dr., made of 42CRMO2 alloy steel.



Art.	€	Dr.	Length	D
JI401L	€ 84,70	1"	130 mm	54 mm
JI402L	€ 53,00	3/4"	105 mm	44 mm

IMPACT UNIVERSAL JOINT

1" dr., made of 42crmo2 alloy steel

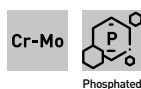


Art.	€	Dr.	D	Length
JI401N	€ 84,70	1"	54 mm	115 mm
JI402N	€ 53,00	3/4"	44 mm	90 mm
JI403N	€ 22,40	1/2"	30 mm	63 mm

RI40X

IMPACT ADAPTER

DIN 3121



Art.	€	Female junction	Shank	D	Length
RI4012N	€ 19,70	1"	3/4"	54 mm	70 mm
RI4021N	€ 15,70	3/4"	1"	44 mm	63 mm
RI4023N	€ 12,20	3/4"	1/2"	44 mm	58 mm
RI4032N	€ 8,70	1/2"	3/4"	30 mm	48 mm



0088 € 17,20

MAGNETIC EXTRACTOR WITH LIGHT

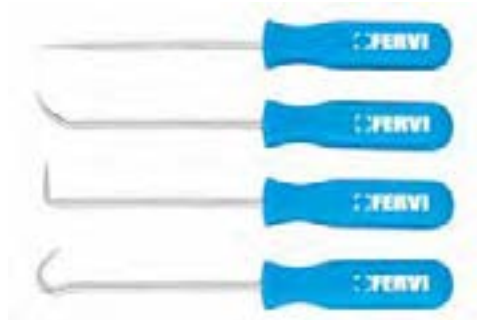


Sizes $\varnothing 9 / 17 \times 430$ mm
Not included batteries 2 x 1.5 VAA

0471 € 5,90

O-RING REMOVAL SET

Suitable for removing motor seals



Length 135 mm

0456 € 5,90

O RING HOOK SET

Equipped of hex handle with magnet



Handle dimensions 8 x 90 mm

E003 € 21,50

HSS SCREW EXTRACTOR SET



num. 0	2-3 mm
num. 1	4-5 mm
num. 2	6-8 mm
num. 3	8-10 mm
num. 4	10-12 mm

E001 € 14,10

SCREW EXTRACTOR SET

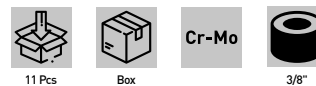


num. 1	M3 - M6
num. 2	M6 - M8
num. 3	M8 - M11
num. 4	M11 - M14
num. 5	M14 - M18

E005 € 35,20

BOLT REMOVER SET

External hex



Sizes 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 19 mm
Height 27 mm

E191-
3 JAW GEAR PULLER



Art.	€	Dimensions
E191/120	€ 57,60	Max Ø 120 mm - h 101 mm
E191/200	€ 108,00	Max Ø 200 mm - h 150 mm

E190-
2 JAW GEAR PULLER



Art.	€	Dimensions
E190/080	€ 30,00	Max Ø 80 mm - h 100 mm
E190/130	€ 39,20	Max Ø 130 mm - h 100 mm
E190/160	€ 48,20	Max Ø 160 mm - h 150 mm
E190/200	€ 52,00	Max Ø 200 mm - h 150 mm

E190-BX
EXTENDED JAWS



Art.	€	Length
E190/B2	€ 28,80	300 mm



CB01-

NUT DRIVER WITH PLASTIC HANDLE

Ansi

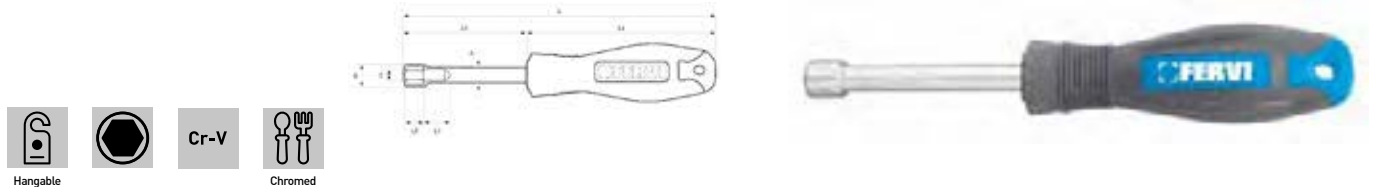


Art.	€	Size	L	L1	L2	L3	L4	A	B	C
CB01/04	€ 5,80	4 mm	185 mm	75 mm	4 ~ 5 mm	20,5 mm	110 mm	ø 5,9 mm	ø 7 mm	ø 3,3 mm
CB01/05	€ 5,80	5 mm	185 mm	75 mm	4,5 ~ 5,5 mm	20 mm	110 mm	ø 5,9 mm	ø 8,3 mm	ø 3,7 mm
CB01/055	€ 5,80	5,5 mm	185 mm	75 mm	5,5 ~ 6,5 mm	19 mm	110 mm	ø 5,9 mm	ø 9 mm	ø 3,7 mm
CB01/06	€ 5,80	6 mm	185 mm	75 mm	6,5 ~ 7,5 mm	18 mm	110 mm	ø 5,9 mm	ø 9,5 mm	ø 3,7 mm
CB01/07	€ 6,20	7 mm	185 mm	75 mm	7,5 ~ 8,5 mm	17 mm	110 mm	ø 5,9 mm	ø 10,5 mm	ø 3,7 mm
CB01/08	€ 6,20	8 mm	185 mm	75 mm	8,5 ~ 9,5 mm	16 mm	110 mm	ø 7,2 mm	ø 11,9 mm	ø 5 mm
CB01/09	€ 6,20	9 mm	185 mm	75 mm	8,5 ~ 9,5 mm	16 mm	110 mm	ø 7,2 mm	ø 12,8 mm	ø 5 mm
CB01/10	€ 6,70	10 mm	185 mm	75 mm	10,5 ~ 11,5 mm	14 mm	110 mm	ø 9,3 mm	ø 14,1 mm	ø 7 mm
CB01/11	€ 6,70	11 mm	185 mm	75 mm	10,5 ~ 11,5 mm	14 mm	110 mm	ø 9,3 mm	ø 15 mm	ø 7 mm
CB01/12	€ 6,70	12 mm	185 mm	75 mm	10,5 ~ 11,5 mm	14 mm	110 mm	ø 9,3 mm	ø 16 mm	ø 7 mm
CB01/13	€ 6,70	13 mm	185 mm	75 mm	11,5 ~ 12,5 mm	14 mm	110 mm	ø 11 mm	ø 17 mm	ø 8,5 mm

CB02-

HOLLOW NUT DRIVER WITH PLASTIC HANDLE

Ansi



Art.	€	Size	L	L1	L2	L3	L4	A	B	C
CB02/04	€ 7,30	4 mm	185 mm	75 mm	4 ~ 5 mm	105,5 mm	110 mm	ø 7,2 mm	ø 7 mm	ø 3,3 mm
CB02/05	€ 7,30	5 mm	185 mm	75 mm	4,5 ~ 5,5 mm	105 mm	110 mm	ø 7,2 mm	ø 8,3 mm	ø 3,7 mm
CB02/055	€ 7,30	5,5 mm	185 mm	75 mm	5,5 ~ 6,5 mm	104 mm	110 mm	ø 7,2 mm	ø 9 mm	ø 3,7 mm
CB02/06	€ 7,30	6 mm	185 mm	75 mm	6,5 ~ 7,5 mm	103 mm	110 mm	ø 7,2 mm	ø 9,5 mm	ø 3,7 mm
CB02/07	€ 7,70	7 mm	185 mm	75 mm	7,5 ~ 8,5 mm	102 mm	110 mm	ø 7,2 mm	ø 10,5 mm	ø 3,7 mm
CB02/08	€ 7,70	8 mm	185 mm	75 mm	8,5 ~ 9,5 mm	101 mm	110 mm	ø 9,3 mm	ø 11,9 mm	ø 5 mm
CB02/09	€ 7,70	9 mm	185 mm	75 mm	8,5 ~ 9,5 mm	101 mm	110 mm	ø 9,3 mm	ø 12,8 mm	ø 5 mm
CB02/10	€ 7,70	10 mm	185 mm	75 mm	10,5 ~ 11,5 mm	100 mm	110 mm	ø 9,3 mm	ø 14,1 mm	ø 7 mm
CB02/11	€ 8,70	11 mm	185 mm	75 mm	10,5 ~ 11,5 mm	100 mm	110 mm	ø 11 mm	ø 15 mm	ø 7 mm
CB02/12	€ 8,70	12 mm	185 mm	75 mm	10,5 ~ 11,5 mm	100 mm	110 mm	ø 11 mm	ø 16 mm	ø 7 mm
CB02/13	€ 9,60	13 mm	185 mm	75 mm	11,5 ~ 12,5 mm	99 mm	110 mm	ø 11 mm	ø 17 mm	ø 8,5 mm

CBF1-

FLEXIBLE NUT DRIVER WITH PLASTIC HANDLE

Ansi



Art.	€	Size	L	L1	L2	L3	A	B
CBF1/05	€ 7,30	5 mm	265 mm	150 mm	9,5 mm	115 mm	ø 11 mm	ø 11,8 mm
CBF1/055	€ 7,30	5,5 mm	265 mm	150 mm	9,5 mm	115 mm	ø 11 mm	ø 11,8 mm
CBF1/06	€ 7,30	6 mm	265 mm	150 mm	9,5 mm	115 mm	ø 11 mm	ø 11,8 mm
CBF1/07	€ 7,30	7 mm	265 mm	150 mm	9,5 mm	115 mm	ø 11 mm	ø 11,8 mm
CBF1/08	€ 7,30	8 mm	265 mm	150 mm	9,5 mm	115 mm	ø 11 mm	ø 11,8 mm
CBF1/09	€ 7,40	9 mm	265 mm	150 mm	9,5 mm	115 mm	ø 11 mm	ø 13 mm
CBF1/10	€ 7,70	10 mm	265 mm	150 mm	10 mm	115 mm	ø 11 mm	ø 14,5 mm
CBF1/11	€ 8,20	11 mm	265 mm	150 mm	9 mm	115 mm	ø 11 mm	ø 15,9 mm
CBF1/12	€ 8,20	12 mm	265 mm	150 mm	9 mm	115 mm	ø 11 mm	ø 17 mm
CBF1/13	€ 8,20	13 mm	265 mm	150 mm	8,5 mm	115 mm	ø 11 mm	ø 17,8 mm

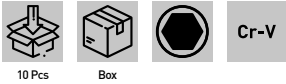


CBF1/10P

€ 71,20

FLEXIBLE NUT DRIVER SET WITH PLASTIC HANDLE

Ansi, bicomponent



Sizes 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm

CB01/04P

€ 26,40

NUT DRIVER SET WITH PLASTIC HANDLE

Ansi, bicomponent



Sizes 10 - 11 - 12 - 13 mm

CB01/07P

€ 40,40

NUT DRIVER SET WITH PLASTIC HANDLE

Ansi, bicomponent



Sizes 4 - 5 - 5.5 - 6 - 7 - 8 - 9 mm

CB01/11P

€ 65,40

NUT DRIVER SET WITH PLASTIC HANDLE

Ansi, bicomponent



Sizes 4 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm

CB02/04P

€ 33,70

HOLLOW NUT DRIVER SET WITH PLASTIC HANDLE

Ansi, bicomponent with deep hole



Sizes 10 - 11 - 12 - 13 mm

CB02/07P

€ 52,80

HOLLOW NUT DRIVER SET WITH PLASTIC HANDLE

Ansi, bicomponent with deep hole



Sizes 4 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 mm

CB02/11P

€ 85,60

HOLLOW NUT DRIVER SET WITH PLASTIC HANDLE

Ansi, bicomponent with deep hole



Sizes 4 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm

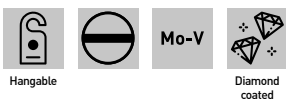


DIN 2380-1, with black blade and tricomponent handle made of highly elastic TPR resin and oil-resistant polypropylene material. The diamond tip allows a perfect grip, avoiding to ruin the head of the screw. This type of tip is also very effective with already ruined screws.



D883- PRO

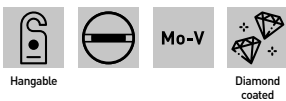
ELECTRICIAN FLAT SCREWDRIVER WITH DIAMOND TIP



Art.	€	Size	Pole length	Total length
D883/3075	€ 2,98	3 mm	75 mm	115 mm
D883/4100	€ 4,04	4 mm	100 mm	145 mm

D884/6038 PRO € 3,75

FLAT SCREWDRIVER WITH DIAMOND TIP



Size	6 mm
Pole length	38 mm
Total length	70 mm

D882/2038 PRO € 3,84

CROSS SCREWDRIVER PH WITH DIAMOND TIP



Size	PH 2
Pole length	38 mm
Total length	70 mm

D885/2038 PRO € 3,75

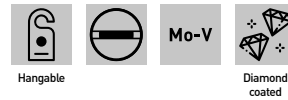
CROSS SCREWDRIVER PZ WITH DIAMOND TIP



Size	PZ 2
Pole length	38 mm
Total length	70 mm

D884- PRO

FLAT SCREWDRIVER WITH DIAMOND TIP



Art.	€	Size	Pole length	Total length
D884/3075	€ 3,17	3 mm	75 mm	115 mm
D884/4100	€ 3,84	4 mm	100 mm	145 mm
D884/5125	€ 4,33	5 mm	125 mm	170 mm
D884/6150	€ 5,00	6 mm	150 mm	200 mm
D884/8150	€ 6,10	8 mm	150 mm	210 mm

D882- PRO

CROSS SCREWDRIVER PH WITH DIAMOND TIP



Art.	€	Size	Pole length	Total length
D882/1075	€ 4,33	PH 1	75 mm	120 mm
D882/2100	€ 5,60	PH 2	100 mm	150 mm
D882/3150	€ 6,30	PH 3	150 mm	210 mm

D885- PRO

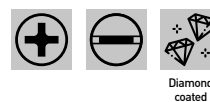
CROSS SCREWDRIVER PZ WITH DIAMOND TIP



Art.	€	Size	Pole length	Total length
D885/1075	€ 4,33	PZ 1	75 mm	120 mm
D885/2100	€ 5,50	PZ 2	100 mm	150 mm
D885/3150	€ 6,30	PH 3	10 mm	210 mm

D880/006 PRO € 23,90

DIAMOND TIP SCREWDRIVER SET



Sizes Slot	(-) 4 x 100 mm, (-) 5 x 125 mm, (-) 6 x 150 mm
Cross	(+) PH 1 x 75 mm, (+) PH 2 x 100 mm, (+) PH 3 x 150 mm



C883-

ELECTRICIAN SCREWDRIVER, HANGING PACKAGE

Slotted, with black phosphatized magnetic tip, handle made of high elastic resin TPR and polypropylene material oil resistant

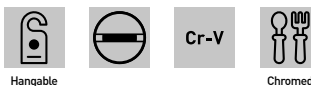


Art.	€	Size	Pole length
C883/3075	€ 1,73	3 mm	75 mm
C883/4100	€ 2,55	4 mm	100 mm

C884-

SLOTTED SCREWDRIVER, HANGING PACKAGE

With black phosphatized magnetic tip, handle made of high elastic resin TPR and polypropylene material oil resistant.



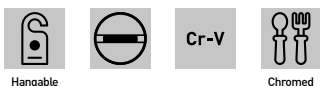
Art.	€	Size	Pole length
C884/3075	€ 1,73	3 mm	75 mm
C884/4100	€ 2,67	4 mm	100 mm
C884/5125	€ 3,17	5 mm	125 mm
C884/6150	€ 3,56	6 mm	150 mm
C884/8150	€ 4,15	8 mm	150 mm

C884/6038

€ 2,77

SLOTTED SCREWDRIVER, HANGING PACKAGE

With black phosphatized magnetic tip, handle made of high elastic resin TPR and polypropylene material oil resistant.



Size	6 mm
Pole length	38 mm

C882-

CROSS SCREWDRIVER PH, HANGING PACKAGE

With black phosphatized magnetic tip, handle made of high elastic resin TPR and polypropylene material oil resistant



Art.	€	Size	Pole length
C882/1075	€ 3,17	PH 1	75 mm
C882/2100	€ 4,15	PH 2	100 mm
C882/3150	€ 4,42	PH 3	150 mm

C882/2038

€ 2,77

CROSS SCREWDRIVER PH, HANGING PACKAGE

With black phosphatized magnetic tip, handle made of high elastic resin TPR and polypropylene material oil resistant



Size	PH 2
Pole length	38 mm

C885-

CROSS SCREWDRIVER PZ, HANGING PACKAGE

With black phosphatized magnetic tip, handle made of high elastic resin TPR and polypropylene material oil resistant



Art.	€	Size	Pole length
C885/1075	€ 3,17	PZ 1	75 mm
C885/2100	€ 4,15	PZ 2	100 mm
C885/3150	€ 4,42	PZ 3	150 mm



C885/2038 € 2,77

CROSS SCREWDRIVER PZ, HANGING PACKAGE

With black phosphatized magnetic tip, handle made of high elastic resin TPR and polypropylene material oil resistant.

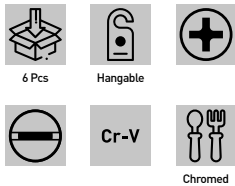


Size	PZ 2
Pole length	38 mm

C880/006 € 16,20

SCREWDRIVER SET

With black phosphatized magnetic tip, handle made of high elastic resin TPR and polypropylene material oil resistant.

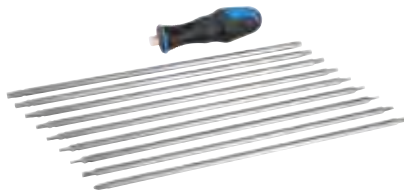


Sizes Slot	(-) 4 x 100 mm, (-) 5 x 125 mm, (-) 6 x 150 mm
Cross	(+) PH 1 x 75 mm, (+) PH 2 x 100 mm, (+) PH 3 x 150 mm

0887 € 36,10

EXTRA LONG INTERCHANGEABLE SCREWDRIVER SET

9 pcs double ended blades, with tampered torx and tampered security tox with 5 lobes



Tamper proof tee star	T10 - T15 - T20 - T25 - T27 - T30 - T40
Tampered security Torx	TS10 - TS15 - TS20 - TS25 - TS27 - TS30 - TS40
Slotted	4 - 5 mm
Length	300 mm

C881- **NEW**

TORX SCREWDRIVER, HANGING PACKAGE

With black phosphatized magnetic tip, handle made of high elastic resin TPR and polypropylene material oil resistant.

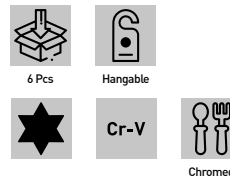


Art.	€	Sizes
C881/07075	€ 1,15	T7x75mm
C881/08075	€ 1,15	T8x75mm
C881/10075	€ 1,15	T10x75mm
C881/15100	€ 1,68	T15x100mm
C881/20100	€ 1,68	T20x100mm
C881/25125	€ 1,84	T25x125mm
C881/27125	€ 1,84	T27x125mm
C881/30150	€ 2,39	T30x150mm
C881/35150	€ 2,87	T35x150mm
C881/40150	€ 2,87	T40x150mm

C881/006 **NEW** € 10,50

TORX SCREWDRIVER SET

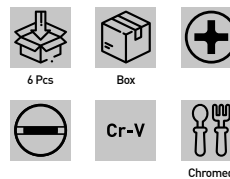
With black phosphatized magnetic tip, handle made of high elastic resin TPR and polypropylene material oil resistant.



Torx size	T10x75mm, T15x100mm, T20x100mm, T25x125mm, T27x125mm, T30x150mm
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0633 € 15,10

SCREWDRIVER SET

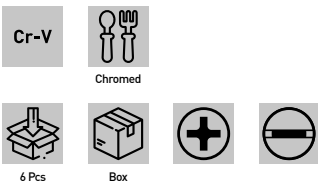


Sizes Slot	(-) 5,0x1,0x75 mm, (-) 6,0x1,2x100 mm, (-) 6,0x1,2x125 mm, (-) 8,0x1,2x150 mm
Cross	(+) PH 1x5x75 mm, (+) PH 2x6x100 mm



0634 € 11,90

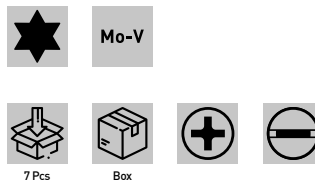
SCREWDRIVER SET



Sizes Slot (-) 4x0,8x75 mm, (-) 5,5x1,0x100 mm, (-) 6,5x1,2x150 mm
Cross (+) PH 0x3x75 mm, (+) PH 1x5x100 mm, (+) PH 2x6x125 mm

0880/307 € 19,40

SCREWDRIVER SET



Slotted (-) 3,0x0,5x75 mm, (-) 4,0x0,8x100 mm, (-) 5,5x1,0x125 mm, (-) 6,5x1,2x150 mm, (-) 8,0x1,2x150 mm
Cross (+) PH 1x80 mm, (+) PH 2x100 mm

0881/008 € 16,20

SCREWDRIVER TORX SET



Tee star T 7x60 - T 8x60 - T 9x60 - T 10x80 - T 15x80 - T 20x100 - T 25x100 - T 30x115 mm

C182- **PRO**

INSULATED CROSS SCREWDRIVER

1000V IEC 60900, with black phosphatized magnetic tip and polypropylene material oil resistant bi-color handle.



Art.	€	Size	Pole length	Total length
C182/0060	€ 2,88	PH0 x 3 mm	60 mm	160 mm
C182/1080	€ 3,75	PH1 x 4.5 mm	80 mm	185 mm
C182/2100	€ 4,42	PH2 x 6 mm	100 mm	210 mm
C182/3150	€ 7,30	PH3 x 8 mm	150 mm	265 mm

C183- **PRO**

INSULATED SLOT SCREWDRIVER

1000V IEC 60900, with black phosphatized magnetic tip and polypropylene material oil resistant bi-color handle.

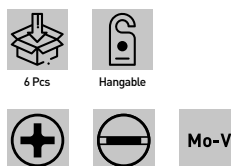


Art.	€	Size	Pole length	Total length
C183/25075	€ 2,88	0.4 x 2.5 mm	75 mm	175 mm
C183/30100	€ 3,75	0.6 x 3 mm	100 mm	200 mm
C183/40100	€ 3,75	0.8 x 4 mm	100 mm	200 mm
C183/55125	€ 4,04	1 x 5.5 mm	125 mm	230 mm
C183/65150	€ 5,30	1.2 x 6.5 mm	150 mm	260 mm
C183/80175	€ 7,00	1.6 x 8 mm	175 mm	290 mm

C180/006 **PRO** € 21,70

INSULATED SCREWDRIVER SET

1000V IEC 60900, with black phosphatized magnetic tip and polypropylene material oil resistant bi-color handle.



Sizes Slot (-) 0,6 x 3 x 100 mm, (-) 0,8 x 4 x 100 mm, (-) 1 x 5,5 x 125 mm
Cross (+) PH 0 x 3 x 60 mm, (+) PH 1 x 4,5 x 80 mm, (+) PH 2 x 6 x 100 mm



0355

€ 18,80

ELECTRICIAN'S SCREWDRIVER



7 Pcs



Box



Cr-Mo

Sizes Slot (-) 0,4x2,5x85 mm, (-) 0,8x4,0x100 mm, (-) 1,0x5,5x125 mm, (-) 1,2x6,5x150 mm
Cross (+) PH 0x75 mm, (+) PH 1x100 mm, (+) PH 2x100 mm

P883-

PRO

SLOT PRECISION SCREWDRIVER

DIN 2380-1, with burnished magnetic tip, handle in two-component material with free end part to rotate for a perfect grip



Cr-V



Phosphated

Art.	€	Size	Pole length	Total length
P883/1250	€ 2,69	1,2 mm	50 mm	140 mm
P883/1650	€ 2,69	1,6 mm	50 mm	140 mm
P883/1850	€ 2,69	1,8 mm	50 mm	140 mm
P883/2050	€ 2,69	2,0 mm	50 mm	140 mm
P883/2450	€ 2,69	2,4 mm	50 mm	140 mm
P883/3050	€ 2,69	3,0 mm	50 mm	140 mm
P883/3550	€ 2,69	3,5 mm	50 mm	140 mm
P883/4050	€ 2,69	4,0 mm	50 mm	140 mm

P881-

PRO

TORX PRECISION SCREWDRIVER

With burnished magnetic tip, handle in two-component material with free end part to rotate for a perfect grip.



Cr-V



Phosphated

Art.	€	Size	Pole length	Total length
P881/0550	€ 2,69	T5	50 mm	140 mm
P881/0650	€ 2,69	T6	50 mm	140 mm
P881/0750	€ 2,69	T7	50 mm	140 mm
P881/0850	€ 2,69	T8	50 mm	140 mm
P881/0950	€ 2,69	T9	50 mm	140 mm
P881/1050	€ 2,69	T10	50 mm	140 mm
P881/1550	€ 2,69	T15	50 mm	140 mm

0083

€ 11,30

IMPACT DRIVER

Supplied in plastic box



7 Pcs



Box



Steel



Satin

Dimensions	165 x 42 mm
Bits	6
Shank	5/16"

P882-

PRO

PH PRECISION SCREWDRIVER

DIN 8764, with burnished magnetic tip, handle in two-component material with free end part to rotate for a perfect grip



Cr-V



Phosphated

Art.	€	Size	Pole length	Total length
P882/0150	€ 2,69	PH 1	50 mm	140 mm
P882/1050	€ 2,69	PH 0	50 mm	140 mm
P882/2050	€ 2,69	PH 00	50 mm	140 mm

P886-

PRO

HEXAGONAL PRECISION SCREWDRIVER

DIN ISO 2936, with burnished magnetic tip, handle in two-component material with free end part to rotate for a perfect grip



Cr-V



Phosphated

Art.	€	Size	Pole length	Total length
P886/1350	€ 2,69	1,3 mm	50 mm	140 mm
P886/1550	€ 2,69	1,5 mm	50 mm	140 mm
P886/2050	€ 2,69	2,0 mm	50 mm	140 mm
P886/2550	€ 2,69	2,5 mm	50 mm	140 mm
P886/3050	€ 2,69	3,0 mm	50 mm	140 mm



P880/06S **PRO** € 14,90

PRECISION SCREWDRIVER SERIES

With burnished magnetic tip, handle in bicomponent material with free end part to rotate for a perfect grip.



Slotted	1.2 x 50 mm, 2.0 x 50 mm, 3.0 x 50 mm
Cross	PH 00 x 50 mm, PH 0 x 50 mm, PH 1 x 50 mm

0245 € 10,70

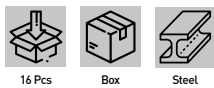
PRECISION SCREWDRIVER SET



Cross	00x50 - 0x50 mm
Slotted	1,5x50 - 2x50 - 2,5x50 - 3x50 mm

0829 € 6,00

PRECISION SCREWDRIVER AND SPANNER SET



0466/DM € 1,93

SCREWDRIVERS MAGNETIZER/ DEMAGNETIZER



Dimensions	52 x 50 x 28.5 mm
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P881/06S **PRO** € 14,90

TORX PRECISION SCREWDRIVER SERIES

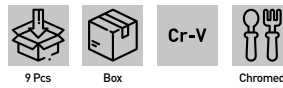
With burnished magnetic tip, handle in bicomponent material with free end part to rotate for a perfect grip.



Tee star	T5 x 50 mm, T6 x 50 mm, T7 x 50 mm, T8 x 50 mm, T9 x 50 mm, T10
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0207 € 14,40

DOUBLE HEAD SCREWDRIVER BIT SET



Blade length	110 mm
Handle length	170 mm

0082 € 1,47

PRECISION SCREWDRIVER SET



Slot 4 Pcs	4 Pcs 1,4x20 mm - 2x23 mm - 2,4x24 mm - 3x27 mm
Cross 2 Pcs	2 Pcs PH 1x30 mm - PH 0x25 mm

0888 € 21,60

L-SHAPED DRIVER

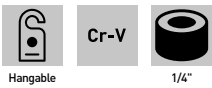
Bits inside the handle



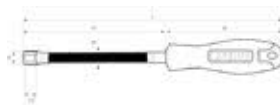


PIF1 € 8,20

FLEXIBLE NUT DRIVER



L	265 mm
L1	150 mm
L2	9,5 mm
L3	115 mm
A	10 mm
B	11,8 mm



0562 **PRO NEW** € 5,70

SHANK MAGNETIC HANDLE

Tricomponent handle made of highly elastic TPR resin and oil-resistant polypropylene material



Length 200 mm



0562N **PRO NEW** € 4,64

SHANK MAGNETIC HANDLE

Tricomponent handle made of highly elastic TPR resin and oil-resistant polypropylene material

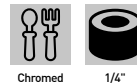


Length 110 mm



0304 € 6,90

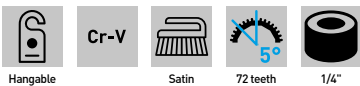
1/4 SHANK MAGNETIC HANDLE



0548 € 12,50

STUBBY RATCHET SCREWDRIVERS

With one bit, to use for tight and loose in reduced space



Dimensions ø 29 x 60 mm



0406 € 3,47

QUICK CHANGE 6 POINT BIT HOLDER



Length 60 mm



0407 € 3,84

BIT HOLDER

Straight and 90°, easy to use in small spaces



Length	105 mm
Phillips	1 - 2
Pozi-driv	1 - 2
Slotted	2 - 3 - 4 mm



0089 € 1,79

BIT SET



Phillips	1 - 2
Pozi-driv	1 - 2
Slotted	4 - 6 mm

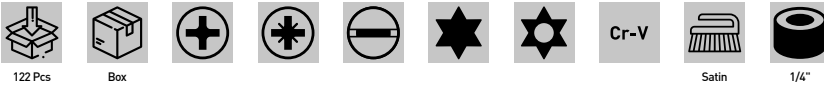




0358

€ 30,80

SCREWDRIVER BIT AND SOCKET SET



Bits	
Phillips	0 - 1 - 2 (x5 Pcs/Pcs) - 3
Pozi-driv	0 - 1 - 2 (x5 Pcs/Pcs) - 3
Slotted	3 - 4 - 4,5 - 5 - 5,5 - 6 - 6,5 - 7 - 8 mm
Spanner	4 - 6 - 8 - 10
Tee star	8 - 10 - 15 - 20 - 25 - 27 - 30 - 40 - 45
Triplay	1 - 2 - 3 - 4
Tamper proof tee star	8 - 10 - 15 - 20 - 25 - 27 - 30 - 35 - 40
Tee cross	6 - 8 - 10
Metric hex	1,5 - 2 - 2,5 - 3 - 4 - 5 - 5,5 - 6 - 8 mm
Square	0 - 1 - 2 - 3
Inch hex	1/16 - 5/64 - 3/32 - 7/64 - 1/8 - 9/64 - 5/32 - 3/16 - 7/32 -
Spline	M5 - M6 - M8
Hex tamper proof	2 - 2,5 - 3 - 4 - 5 - 6 - 5/64 - 3/32 - 7/64 - 1/8 - 9/64 - 5/32
Clutch	1 - 2 - 3
Male adapter 1/4" Dr. and 1/4" hex	25 mm



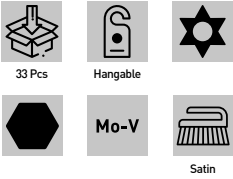
Male adapter 1/4" Dr. and 1/4" hex	50 mm
"Y" adapter	1 Pcs
Bit holder	1 Pcs
Magnetic bit holder	60 mm
Bit Holder	1 Pcs
Nut bit driver	4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 5/32 - 3/13 - 7/32 -

0626L

€ 20,70

LONG BIT SET

With magnetic holder



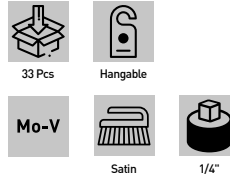
Length	50 mm
Bits	
Tamper proof tee star	T7 - T8 - T10 - T15 - T20 - T25 - T30 - T35 - T40
Hex tamper proof	6 - 5 - 4 - 3 - 2,5 - 2 mm
Hex tamper proof	5/32 - 9/64 - 1/8 - 7/64 - 3/32 - 5/64
Spanner	4 - 6 - 8 - 10
Tee cross	6 - 8 - 10
Tri-wing	1 - 2 - 3 - 4

0626

€ 9,30

BIT SET

With magnetic holder



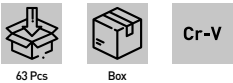
Bits	
Tee star	T7 - T8 - T10 - T15 - T20 - T25 - T30 - T35 - T40
Hexagonal	
Metric	6 - 5 - 4 - 3 - 2,5 - 2 mm
Inch	5/32 - 9/64 - 1/8 - 7/64 - 3/32 - 5/64
Spanner	4 - 6 - 8 - 10
Tee cross	6 - 8 - 10
Tri-wing	1 - 2 - 3 - 4

PI063

NEW € 25,80

MULTIFUNCTION REPAIR TOOL KIT

62 pieces kit with magnetic revolving handle for precision repair of your tools, including smartphones, watches and appliances. The magnetic tray and the click-clack function allow to keep the bits organized without losing them.



Magnetic bit holder	1
Phillips	PH0000 - PH0000 - PH000 - PH00 - PH0 - PH1 - PH2
Slotted	1.0 - 1.3 - 1.5 - 2.0 - 2.5 - 3.0 - 4.0
Hexagonal	0.7 - 0.9 - 1.3 - 1.5 - 2.0 - 2.5 - 3.0 - 3.5 - 4.0
Pozi-driv	PZ000 - PZ00 - PZ0 - PZ1
Square	0 - 1 - 2
"Y" adapter	Y0.6 - Y1.5 - Y2.3 - Y3.0
Pentagram	0.8 - 1.2 - 1.5 - 2.0
Triangle	2.0 - 2.3 - 3.0
U Type	U2.3 - U2.6
G	G3.8 - G4.5
M	M2.5 - M3.0 - M4.0
MID	
ICS	





0403

€ 16,70

HEX BIT AND SOCKET SET

Composed of , 6 sockets, 1 socket adapter and 1 ratchet screwdriver bit holder



Ratchet bit handle	1
Magnetic bit holder	1
Socket	25 mm
Socket	5 - 6 - 7 - 8 - 9 - 10 mm
Slotted	3 - 4 - 5 - 6 - 7 mm
Phillips	0 - 1 - 2 - 3
Pozi-driv	0 - 1 - 2 - 3
Square bits	S0 - S1 - S2 - S3

0404

€ 14,70

HEX BIT AND SOCKET SET

With nichel coated bits made of S2 steel, sockets made of CR-V steel and quick change bit holder.



Socket	25 mm
Magnetic bit holder	1
Socket holder extension	1
Socket	5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 mm
Slotted	3 - 4 - 5 - 5,5 - 6 - 7 mm
Phillips	0 - 1 - 2 - 3
Pozi-driv	0 - 1 - 2 - 3
Square bits	S0 - S1 - S2 - S3
Tee star	T10 - T15 - T20 - T25 - T30 - T40

0402

€ 17,30

HEX BIT SET

Made of s2 steel and nichel coated, composed of 40 bits and 1 72t ratchet handle

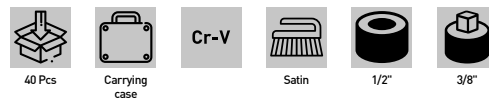


Shank	1/4"
Slotted	3 - 4 - 5 - 5,5 - 6 - 7 mm
Phillips	2 x 0 - 2 x 1 - 2 x 2 - 2 x 3
Pozi-driv	2 x 0 - 2 x 1 - 2 x 2 - 2 x 3
Square bits	S0 - S1 - S2 - S3
Tee star	T10 - T15 - T20 - T25 - T27 - T30 - T40
Hexagonal	2 - 2,5 - 3 - 4 - 5 - 5,5 - 6 mm

0104

€ 35,30

SOCKET SET



1 Socket bit 1/2"	10 mm
1 Socket bit 3/8"	10 mm
7 Hex bits 4-5-6-7-8-10-12 mm	30 mm
7 Hex bits 4-5-6-7-8-10-12 mm	75 mm
5 Bits "XZN" 5-6-8-10-12 mm	30 mm
5 Bits "XZN" 5-6-8-10-12 mm	75 mm
Bits TORX T20-T25-T30-T40-T45-T50-T55	30 mm
Bits TORX T20-T25-T30-T40-T45-T50-T55	75 mm



0640

€ 21,60

BIT SET



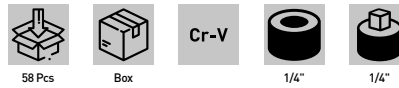
Bits	
Phillips	0 - 1 - 2 (x5 Pcs/Pcs) - 3
Pozi-driv	0 - 1 - 2 (x5 Pcs/Pcs) - 3
Slotted	3 - 4 - 4,5 - 5 - 5,5 - 6 - 6,5 - 7 - 8 mm
Spanner	4 - 6 - 8 - 10
Tee star	8 - 10 - 15 - 20 - 25 - 27 - 30 - 40 - 45
Tripley	1 - 2 - 3 - 4
Tamper proof tee star	8 - 10 - 15 - 20 - 25 - 27 - 30 - 35 - 40
Tee cross	6 - 8 - 10
Metric hex	1,5 - 2 - 2,5 - 3 - 4 - 5 - 5,5 - 6 - 8 mm
Square	0 - 1 - 2 - 3
Inch hex	1/16 - 5/64 - 3/32 - 7/64 - 1/8 - 9/64 - 5/32 - 3/16 - 7/32 - 1/4
Spline	M5 - M6 - M8
Hex tamper proof	2 - 2,5 - 3 - 4 - 5 - 6 - 5/64 - 3/32 - 7/64 - 1/8 - 9/64 - 5/32
Clutch	1 - 2 - 3

0277

€ 31,70

HEX BIT AND SOCKET SET

With bit holder and ratchet handle



Bits	25 mm
Phillips (25 mm)	1 - 2 - 3
Pozi-driv	1 - 2 - 3
Slotted	3,5 - 4,5 - 5,5 - 6,5 mm
Spanner	4 - 6 - 8
Tee star	10 - 15 - 20 - 25 - 27 - 30 - 40
Tri-wing	1 - 2 - 3 - 4
Tee cross	6 - 8 - 10
Hexagonal	2 - 3 - 4 - 5 - 6 - 8 mm
Square	1 - 2 - 3
Spline	5 - 6 - 8
Clutch	1 - 2 - 3
Hex. sockets	5 - 6 - 7 - 8 - 10 mm
Hex. sockets	3/16 - 1/4 - 9/32 - 5/16 - 3/8
Socket	1/4"
"Y" adapter	1
Socket	1
Magnetic bit holder	1
Bit Holder	1
Ratchet handle	1/4"



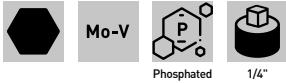


IS25-ESX

PRO

HEXAGONAL BITS

DIN 3126.



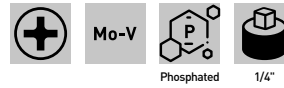
Art.	€	Size	Length	Pack
IS25/ES2	€ 0,54	2 mm	25 mm	10
IS25/ES25	€ 0,54	2.5 mm	25 mm	10
IS25/ES3	€ 0,54	3 mm	25 mm	10
IS25/ES4	€ 0,54	4 mm	25 mm	10
IS25/ES5	€ 0,54	5 mm	25 mm	10
IS25/ES6	€ 0,54	6 mm	25 mm	10
IS25/ES8	€ 0,82	8 mm	25 mm	10
IS25/ES10	€ 1,31	10 mm	25 mm	10

IS25-PHX

PRO

CROSS BITS PH

DIN 3126.



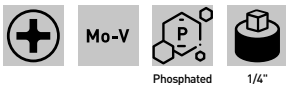
Art.	€	Size	Length	Pack
IS25/PH0	€ 0,36	PH0 mm	25 mm	20
IS25/PH1	€ 0,36	PH1 mm	25 mm	20
IS25/PH2	€ 0,36	PH2 mm	25 mm	20
IS25/PH3	€ 0,36	PH3 mm	25 mm	20

IS25-PHXAS

PRO

CROSS BITS PH ANTI SLIP

DIN 3126.



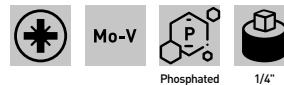
Art.	€	Size	Length	Pack
IS25/PH1AS	€ 0,58	PH1 mm	25 mm	10
IS25/PH2AS	€ 0,58	PH2 mm	25 mm	10
IS25/PH3AS	€ 0,58	PH3 mm	25 mm	10

IS25-PZX

PRO

CROSS BITS PZ

DIN 3126.



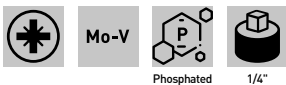
Art.	€	Size	Length	Pack
IS25/PZ1	€ 0,36	PZ1 mm	25 mm	20
IS25/PZ2	€ 0,36	PZ2 mm	25 mm	20
IS25/PZ3	€ 0,36	PZ3 mm	25 mm	20

IS25-PZXAS

PRO

CROSS BITS PZ ANTI SLIP

DIN 3126.



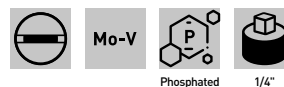
Art.	€	Size	Length	Pack
IS25/PZ1AS	€ 0,58	PZ1 mm	25 mm	10
IS25/PZ2AS	€ 0,58	PZ2 mm	25 mm	10
IS25/PZ3AS	€ 0,58	PZ3 mm	25 mm	10

IS25-TGX

PRO

SLOTTED BITS

DIN 3126.



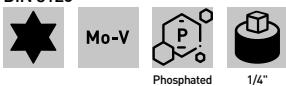
Art.	€	Size	Length	Pack
IS25/TG3	€ 0,44	3 x 0.5 mm	25 mm	10
IS25/TG4	€ 0,44	4 x 0.8 mm	25 mm	10
IS25/TG5.5	€ 0,44	5.5 x 0.8 mm	25 mm	10
IS25/TG6	€ 0,44	6 x 1 mm	25 mm	10
IS25/TG8	€ 0,77	8 x 1.2 mm	25 mm	10

IS25-TXX

PRO

TORX BITS

DIN 3126



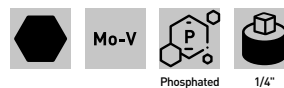
Art.	€	Size	Length	Pack
IS25/TX10	€ 0,44	T10 mm	25 mm	10
IS25/TX15	€ 0,44	T15 mm	25 mm	10
IS25/TX20	€ 0,44	T20 mm	25 mm	10
IS25/TX25	€ 0,44	T25 mm	25 mm	10
IS25/TX30	€ 0,44	T30 mm	25 mm	10
IS25/TX35	€ 0,44	T35 mm	25 mm	10
IS25/TX40	€ 0,44	T40 mm	25 mm	10
IS25/TX45	€ 1,15	T45 mm	25 mm	10
IS25/TX50	€ 1,15	T50 mm	25 mm	10
IS25/TX55	€ 1,31	T55 mm	25 mm	10

IS50-ESX

PRO

HEXAGONAL BITS

DIN 3126, turn-down body.



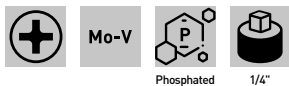
Art.	€	Size	Length	Pack
IS50/ES2	€ 1,11	2 mm	50 mm	5
IS50/ES25	€ 0,91	2.5 mm	50 mm	5
IS50/ES3	€ 0,91	3 mm	50 mm	5
IS50/ES4	€ 0,91	4 mm	50 mm	5
IS50/ES5	€ 0,91	5 mm	50 mm	5
IS50/ES6	€ 0,91	6 mm	50 mm	5
IS50/ES8	€ 1,15	8 mm	50 mm	5
IS50/ES10	€ 1,15	10 mm	50 mm	5



IS50-PHX **PRO**

CROSS BITS PH

DIN 3126, with turn-down body.

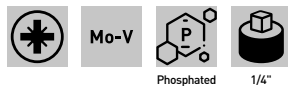


Art.	€	Size	Length	Pack
IS50/PH1	€ 0,73	PH 1 mm	50 mm	10
IS50/PH2	€ 0,73	PH 2 mm	50 mm	10
IS50/PH3	€ 0,73	PH 3 mm	50 mm	10

IS50-PZX **PRO**

CROSS BITS PZ

DIN 3126, with turn-down body.

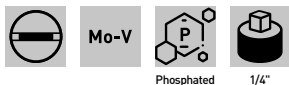


Art.	€	Size	Length	Pack
IS50/PZ1	€ 0,73	PZ1 mm	50 mm	10
IS50/PZ2	€ 0,73	PZ2 mm	50 mm	10
IS50/PZ3	€ 0,73	PZ3 mm	50 mm	10

IS50-TGX **PRO**

SLOTTED BITS

DIN 3126, with turn-down body.

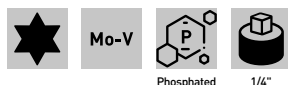


Art.	€	Size	Length	Pack
IS50/TG3	€ 1,15	3 x 0.5 mm	50 mm	5
IS50/TG4	€ 1,15	4 x 0.8 mm	50 mm	5
IS50/TG5.5	€ 1,15	5.5 x 0.8 mm	50 mm	5
IS50/TG6	€ 1,15	6 x 1 mm	50 mm	5
IS50/TG8	€ 1,31	8 x 1.2 mm	50 mm	5

IS50-TXX **PRO**

TORX BITS

DIN 3126, with turn-down body.



Art.	€	Size	Length	Pack
IS50/TX10	€ 1,31	T10 mm	50 mm	5
IS50/TX15	€ 1,31	T15 mm	50 mm	5
IS50/TX20	€ 1,31	T20 mm	50 mm	5
IS50/TX25	€ 1,31	T25 mm	50 mm	5
IS50/TX30	€ 1,31	T30 mm	50 mm	5
IS50/TX35	€ 1,31	T35 mm	50 mm	5
IS50/TX40	€ 1,31	T40 mm	50 mm	5

S018 **€ 86,50**

HAND RIVETER SET



Rivets 50 x ø2,4 mm - 50 x ø3,2 mm - 50 x ø4,0 mm - 50 x ø4,8 mm
 Nut rivets 50 x M3 - 50 x M4 - 25 x M5 - 25 x M6 - 20 x M8



0455

PRO € 95,20

DOUBLE HAND NUT RIVETER

With 7 nosepieces



Nosepieces M3 - M4 - M5 - M6 - M8 - M10 - M12
Length 400 mm

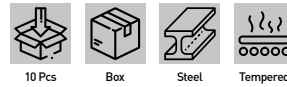


0469

PRO € 52,80

HAND NUT RIVETER

With 4 nosepieces. Ergonomic handles.



Nosepieces M3 - M4 - M5 - M6
Length 200 mm



0453

PRO € 42,70

DOUBLE HAND RIVETER

Long levers for effortless working, even with 6.4mm rivets. Plastic container, under the riveting tool, to collect the pins of the used rivets to be recycled.



Rivets Ø 3,2 - 4,0 - 4,8 - 6,4 mm
Length 400 mm

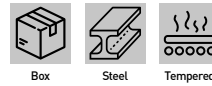


0454

PRO € 48,10

DOUBLE HAND RIVETER WITH ROTATING HEAD

For rivets from 3.2mm to 6.4mm. Long levers for effortless working, even with 6.4mm rivets. Plastic container, under the riveting tool, to collect the pins of the used rivets to be recycled.



Rivets Ø 3,2 - 4,0 - 4,8 - 6,4 mm
Length 400 mm



0470

PRO € 17,30

HAND RIVETER WITH MULTI-SIDES BLOCKER

With rotating head - 4 positions



Rivets 2,4 mm - 3/32", 3,2 mm - 1/8", 4,0 mm - 5/32", 4,8 mm - 3/16"



0789

€ 17,30

HAND RIVETER



Rivets Ø 2,4 ÷ 4,8 mm
Length 255 mm



0058

€ 14,30

10.5" HAND RIVETER SET



Rivets Ø 2,4 ÷ 4,0 mm



0124

€ 11,40

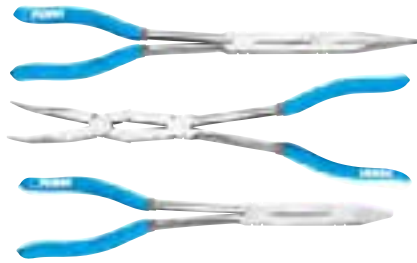
10.5" HAND RIVETER



Rivets Ø 2,4 ÷ 4,0 mm

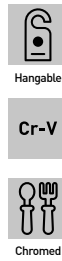


0872/P **PRO** € 65,30
DOUBLE JOINT LONG PLIER SET



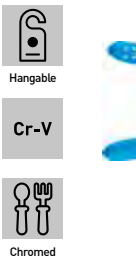
Length	335 mm
Length	300 mm

0872/PDD **PRO** € 24,50
DOUBLE X LONG REACH PLIER LONG NOSE



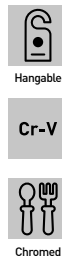
Length	335 mm
Thickness	10 mm

0872/PCD **PRO** € 24,50
DOUBLE X LONG REACH PLIER LONG BENT NOSE 45°



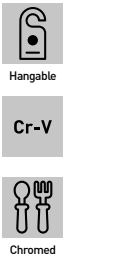
Length	335 mm
Thickness	10 mm

0872/OPD **PRO** € 25,50
DOUBLE X LONG REACH PLIER
 With round tips and grip not inferior to 8mm



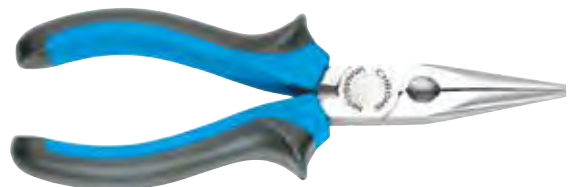
Length	335 mm
Thickness	10 mm

0873-U **PRO**
COMBINATION PLIERS



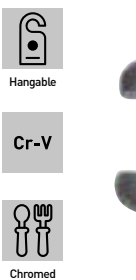
Art.	€	Length	Thickness
0873/U6	€ 8,00	160 mm	11 mm
0873/U7	€ 8,50	180 mm	10,5 mm
0873/U8	€ 9,60	200 mm	12 mm

0873-BD **PRO**
LONG NOSE PLIERS



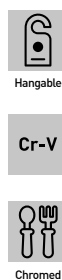
Art.	€	Length	Thickness
0873/BD6	€ 6,90	160 mm	9 mm
0873/BD8	€ 8,70	200 mm	10 mm

0873-BC **PRO**
BENT NOSE PLIERS 45°



Art.	€	Length	Thickness
0873/BC6	€ 6,90	160 mm	9 mm
0873/BC8	€ 8,70	200 mm	10 mm

0873/TL **PRO** € 7,50
DIAGONAL SIDE CUTTING NIPPERS



Length	160 mm
Thickness	9 mm



0873/TF **PRO** € 9,50

END CUTTING NIPPERS



Blister



Cr-V



Chromed



Length 160 mm
Thickness 11 mm

0020/1 € 5,10

EXTRA LONG NOSE MINI PLIERS



Blister



Steel



Chromed



Length 150 mm

0020/2 € 3,84

BENT NOSE PLIERS



Blister



Steel



Chromed



Length 125 mm

0020/3 € 4,18

FLAT NOSE MINI PLIERS



Blister



Steel



Chromed



Length 125 mm

0020/4 € 4,09

LONG NOSE MINI PLIERS



Blister



Steel



Chromed



Length 125 mm

0020/5 € 4,61

END CUTTING NIPPERS



Blister



Steel



Chromed



Length 110 mm

0020/6 € 4,45

DIAGONAL SIDE CUTTING NIPPERS



Blister



Steel



Chromed



Length 110 mm

0020 € 15,80

FINE POLISHED MINI PLIER SET



5 Pcs



Blister



Steel



Chromed

Length 110 ÷ 125 mm

08X

COMBINATION PLIERS



Art.	€	Length	Thickness
0810	€ 5,50	160 mm	11 mm
0811	€ 6,80	180 mm	11 mm
0850	€ 7,50	200 mm	13 mm

08XX

LONG NOSE PLIERS



Art.	€	Length	Thickness
0812	€ 5,60	160 mm	10 mm
0851	€ 7,10	200 mm	11 mm

0813

€ 6,10

BENT NOSE PLIERS 45°



Length	160 mm
Thickness	10 mm

0814

€ 5,10

DIAGONAL SIDE CUTTING NIPPERS



Length	160 mm
Thickness	10 mm

0841

PRO € 21,70

RATCHET CRIMPING TOOL

With release lever



For insulated terminals	Ø 0,8 + 3,5 mm / 0,25 + 6 mm ² AWG 22-10
Length	230 mm
Thickness	12 mm

0843

PRO € 22,60

RATCHET CRIMPING TOOL

With release lever



For barrel open terminals	Ø 1 + 3,5 mm / 0,5 + 6 mm ² AWG 20-10
Length	230 mm
Thickness	12 mm

0847

PRO € 70,80

CRIMPING PLIERS FOR END SLEEVES TERMINALS

With release lever



Terminals	0,25 + 6 mm ² AWG 23-10
Length	175 mm
Thickness	12 mm

0628

PRO € 17,10

MODULAR PLUG CRIMPING TOOL

With release knob



Electric plugs	RJ-11 (6P4C); RJ-12 (6P6C); RJ-45 (8P8C)
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0826 € 27,70

CRIMPING PLIER AND WIRE STRIPPER

Car and computer crimping plier with wire stripper for thin wire

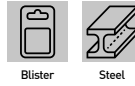


Length	215 mm
Terminals	AWG 30-26 - AWG 24-20 - AWG 18-14
Cutting capacity	∅ 0,25 - 0,3 - 0,4 - 0,5 - 0,65 - 0,8 - 1,0 mm AWG30 - AWG28 - AWG26 - AWG24 - AWG22 - AWG20 - AWG18

0122 € 9,30

UNIVERSAL CRIMPING PLIER SET

With insulated terminals



Length	220 mm
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024XE **NEW**

CIRCLIP PLIERS

External straight nose



Art.	€	Circlips	Length
0246	€ 10,80	∅ 19 ÷ 60 mm	175 mm
0636	€ 9,10	∅ 10 ÷ 25 mm	150 mm
0674	€ 8,20	∅ 3 ÷ 10 mm	125 mm
0676	€ 10,40	∅ 32 ÷ 80 mm	225 mm

024XI **NEW**

CIRCLIP PLIERS

Internal straight nose



Art.	€	Circlips	Length
0248	€ 10,80	∅ 19 ÷ 60 mm	175 mm
0638	€ 9,10	∅ 8 ÷ 25 mm	150 mm
0619	€ 8,20	∅ 3 ÷ 10 mm	125 mm
0631	€ 10,40	∅ 32 ÷ 80 mm	225 mm

063XE **NEW**

CIRCLIP PLIERS

External curved nose



Art.	€	Circlips	Length
0247	€ 10,80	∅ 19 ÷ 60 mm	175 mm
0637	€ 9,10	∅ 10 ÷ 25 mm	150 mm
0108	€ 8,20	∅ 3 ÷ 10 mm	125 mm
0324	€ 10,40	∅ 32 ÷ 80 mm	225 mm

063XI **NEW**

CIRCLIP PLIERS

Internal curved nose



Art.	€	Circlips	Length
0249	€ 10,80	∅ 19 ÷ 60 mm	175 mm
0639	€ 9,10	∅ 8 ÷ 25 mm	150 mm
0340	€ 8,20	∅ 3 ÷ 10 mm	125 mm
0364	€ 10,40	∅ 32 ÷ 80 mm	225 mm

0136 € 22,80

NYLON CLAMP SET

Automotive hose



Length	158 - 185 - 254 mm
Hose diameter	10 - 15 - 24 mm

0603 **PRO** € 97,00

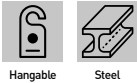
AUTO REPAIRING PLIERS SET FOR CARS ZIP TIES



0118 € 4,75

WATER PUMP PLIERS

6 positions



Length 240 mm

0834- **NEW**

TOWER PINCERS

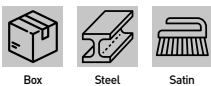
DIN ISO 9242.



Art.	€	Length
0834	€ 5,50	220 mm
0834/200	€ 4,66	200 mm
0834/250	€ 5,80	250 mm
0834/280	€ 7,30	280 mm

0121 € 23,70

LOCKING L-GRIP CLAMP



Length 230 mm
Adjustable 0 ÷ 155 mm

0119 € 6,80

ADJUSTABLE LOCK WRENCH



Length 220 mm

PRO

0831-

WATER PUMP PLIERS

DIN ISO 8976/C, 7 positions.



Art.	€	Length
0831/175	€ 7,70	175 mm
0831/250	€ 9,10	250 mm
0831/300	€ 11,20	300 mm

0206 € 6,50

CARPENTER PINCER

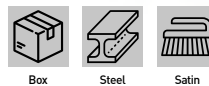
Carpenter pincer



Length 200 mm

0120 € 9,30

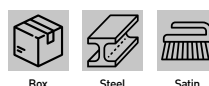
4 POSITIONS ADJUSTABLE LOCK WRENCH



Length 230 mm
Opening 18 - 39 - 43 mm

0379 € 11,60

FOUR JAWS ADJUSTABLE LOCK WRENCH



Length 225 mm



0368-

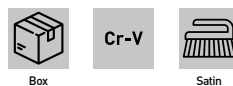
AUTOMATIC LOCK WRENCH



Art.	€	Length
0368/7	€ 26,20	160 mm
0368/10	€ 33,50	230 mm

0370-

LONG NOSE AUTOMATIC LOCK WRENCH



Art.	€	Length
0370/8	€ 28,50	200 mm
0370/11	€ 40,70	275 mm

0373-

"C" NOSE AUTOMATIC LOCK WRENCH



Art.	€	Length	Opening
0373/9	€ 32,70	210 mm	65 mm
0373/11	€ 39,50	300 mm	95 mm

0130-

HEAVY DUTY PIPE WRENCH



Art.	€	Dimensions	Max Opening
0130/350	€ 15,10	350 mm - 14"	50 mm
0130/600	€ 23,30	600 mm - 24"	90 mm

0225-

45° BENT NOSE PIPE WRENCH



Art.	€	Dimensions	Max Opening
0225/340	€ 19,10	340 mm - 1"	46 mm
0225/440	€ 28,70	440 mm - 1,5"	62 mm
0225/580	€ 35,60	580 mm - 2"	72 mm
0225/700	€ 48,40	700 mm - 3"	100 mm

0227-

90° BENT NOSE PIPE WRENCH



Art.	€	Dimensions	Max Opening
0227/340	€ 19,10	340 mm - 1" mm	41 mm
0227/440	€ 27,30	415 mm - 1,5" mm	55 mm
0227/580	€ 39,50	580 mm - 2" mm	75 mm
0227/700	€ 53,80	700 mm - 3" mm	100 mm

0511 € 36,10

SLEDGE HAMMER

With safety fiberglass plastic handle with black rubber grip



Glass fiber

Length	820 mm
Head weight	3,50 kg
Net weight	4,45 kg

0781 € 12,20

STONING HAMMER

DIN 6475, with safety fiberglass plastic handle with black rubber grip.



Glass fiber

Length	260 mm
Net weight	1000 g

0780 € 9,60

CLA W HAMMER

With safety fiberglass plastic handle with black rubber grip



Glass fiber

Net weight	500 g
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0514-

MACHINIST'S HAMMER GERMAN TYPE

DIN 1041, with safety fiberglass plastic handle with black rubber grip.



Glass fiber

Art.	€	Net weight
0514/200	€ 5,10	200 g
0514/300	€ 6,30	300 g
0514/400	€ 7,50	400 g
0514/500	€ 9,00	500 g
0514/1000	€ 13,40	1000 g

0154-

MACHINIST'S HAMMER GERMAN TYPE

DIN 1041.



Wood

Art.	€	Net weight
0154/100DIN	€ 2,70	100 g
0154/200DIN	€ 3,83	200 g
0154/300DIN	€ 4,02	300 g
0154/400DIN	€ 5,30	400 g
0154/500DIN	€ 5,60	500 g
0154/600DIN	€ 6,20	600 g
0154/800DIN	€ 6,90	800 g
0154/1000DIN	€ 10,20	1000 g
0154/1500DIN	€ 11,30	1500 g
0154/2000DIN	€ 14,40	2000 g

0153-

STONING HAMMER

DIN 6475.



Wood

Art.	€	Net weight
0153/800DIN	€ 6,90	800 g
0153/1000DIN	€ 7,60	1000 g
0153/1250DIN	€ 9,30	1250 g
0153/1500DIN	€ 10,80	1500 g



0169-

CLAW HAMMER ITALIAN TYPE

Magnetic



Wood

Art.	€	Net weight
0169/300	€ 6,90	300 g
0169/400	€ 8,30	400 g

0216/400

CHIPPING HAMMER

With wooden handle



Wood

Handle length	380 mm
Net weight	400 g

0239/400

€ 9,90

CHIPPING HAMMER

With fiberglass plastic handle with black rubber grip



Glass fiber

Handle length	380 mm
Net weight	400 g

0148/500

€ 4,12

RUBBER MALLET



Wood

Head	ø 65 mm
Net weight	500 g

0243-

TWO WAY MALLET



Glass fiber

Art.	€	Head	Net weight
0243/30	€ 5,40	ø 30 mm	350 g
0243/40	€ 7,60	ø 40 mm	500 g

0794-

TWO WAY RUBBER MALLET

Equipped of fiberglass handle



Glass fiber

Art.	€	Head	Net weight
0794/350	€ 5,50	ø 55 mm	350 g
0794/450	€ 7,70	ø 58 mm	500 g

0808-

MALLET

Aluminium with anatomic handle and polyethylene heads



Wood

Art.	€	Head	Net weight
0808/35	€ 18,20	ø 35 mm	350 g
0808/60	€ 43,20	ø 60 mm	800 g

033X

DEAD BLOW RUBBER MALLET



Art.	€	Head	Net weight
0336	€ 11,90	ø 45 mm	500 g
0337	€ 13,40	ø 50 mm	900 g

0839-

PRO

DEAD BLOW MALLET

Nylon, spare part head



Art.	€	Head	Net weight
0839/40	€ 50,10	ø 40 mm	750 g
0839/50	€ 58,30	ø 50 mm	1000 g
0839/60	€ 65,30	ø 60 mm	1500 g

0839-XT

SPARE PART HEAD

For dead blow mallet 0839-



Art.	€	Head
0839/40T	€ 11,80	ø 40 mm
0839/50T	€ 11,80	ø 50 mm
0839/60T	€ 17,20	ø 60 mm

072X

PRO

DEAD BLOW NYLON MALLET

With monoblock body made of shock resistant aluminium alloy. Anatomic handle made of non-sliding wood. Internal mass composed of lead balls. Changeable heads made of non-deformable nylon.



Art.	€	Head	Net weight
0726	€ 70,40	ø 40 mm	550 g
0727	€ 82,40	ø 50 mm	900 g
0728	€ 89,80	ø 60 mm	1100 g

073X

SPARE PART HEAD

For dead blow nylon mallet 072x.



Art.	€	Head	Pack
0729	€ 20,90	ø 40 mm	2
0730	€ 24,90	ø 50 mm	2
0731	€ 32,30	ø 60 mm	2

G009

€ 15,80

SAFE SPRING HOOK

To put in safety tools when working on ladders or scaffolds



INOX

Blister



Capacity	5 kg
Length	430 ÷ 1600 mm





B006-

CENTER PUNCH

DIN 7250, with octagonal body.



Art.	€	Sizes	Length
B006/4	€ 3,95	4 mm	120 mm
B006/5	€ 5,40	5 mm	150 mm

S022-

CHISEL FOR METAL



Art.	€	Dimensions	Length
S022/18	€ 8,00	18 mm	150 mm
S022/21	€ 10,90	21 mm	200 mm
S022/25	€ 14,80	25 mm	250 mm
S022/26	€ 14,40	26 mm	240 mm

C015

DRIFT PIN SET

With octagonal body and hand guard

PRO € 60,20

Sizes ø 2 - 3 - 4 - 5 - 6 - 7 - 8 mm



0127

MECHANIC CHISEL, PIN PUNCH AND CENTER PUNCH SET WITH PLASTIC HOLDER

€ 14,50

Length 120 - 150 mm



C012-

DRIFT PIN

With octagonal body



Art.	€	Dimensions	Length
C012/02	€ 4,55	ø 2 mm	150 mm
C012/03	€ 4,55	ø 3 mm	150 mm
C012/04	€ 4,55	ø 4 mm	150 mm
C012/05	€ 5,10	ø 5 mm	150 mm
C012/06	€ 5,60	ø 6 mm	150 mm
C012/08	€ 6,20	ø 8 mm	150 mm

C015-

DRIFT PIN

With octagonal body and hand guard

PRO



Art.	€	Size	Length
C015/2	€ 7,10	ø 2 x 8 mm	140 mm
C015/3	€ 7,50	ø 3 x 8 mm	150 mm
C015/4	€ 8,10	ø 4 x 10 mm	180 mm
C015/5	€ 8,40	ø 5 x 10 mm	220 mm
C015/6	€ 9,90	ø 6 x 12 mm	210 mm
C015/7	€ 9,90	ø 7 x 12 mm	210 mm
C015/8	€ 10,20	ø 8 x 12 mm	220 mm

0126

DRIFT PIN SET WITH PLASTIC HOLDER

€ 13,90

Dimensions ø 3-4-5-6-8-10 mm
Length 150 mm



0391

MECHANIC CHISEL, PIN PUNCH AND CENTER PUNCH SET WITH HAND GUARD

€ 30,90

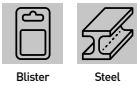
Chisel	10 x 135 mm, 13 x 150 mm, 16 x 160 mm
Center punches	04 x 130 mm
Solid punch	03 x 120 mm
Pin punch	03 x 120 mm



0381 € 8,30

AUTOMATIC CENTER PUNCH

Spring



Length 125 mm

0396 € 12,60

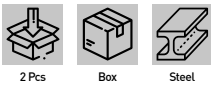
CHISEL SET FOR METAL



Dimensions 10 x 8 x 140 mm, 13 x 9,5 x 150 mm, 16 x 12 x 170 mm

0152 € 5,50

STONING CHISEL SET WITH HAND GUARD



Dimensions 16 x 250 mm

0258 € 4,12

FLAT POINT COLD CHISEL WITH HAND GUARD



Dimensions 16 x 300 mm

0259 € 3,95

POINT COLD CHISEL WITH HAND GUARD



Dimensions 16 x 300 mm





0300 € 17,80

CHISEL SET FOR WOOD

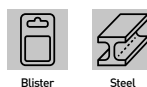


Hardness HRC 58-60
Dimensions 10-16-20-25 mm

0301-

WOOD CHISEL

Hardness HRC 58-60.



Art.	€	Dimensions
0301/06	€ 4,27	6 mm
0301/10	€ 4,27	10 mm
0301/16	€ 5,10	16 mm
0301/20	€ 5,10	18.5 mm
0301/24	€ 6,20	25 mm

0168 € 10,50

WOOD CHISEL SET



Hardness HRC 58-60
Sizes 240 x 6-10-16-20-24 mm

0306 € 59,80

CARVING CHISEL SET



Hardness HRC 58-60
Length 215 mm

0162 € 17,60

WOOD CHISEL SET FOR LATHE



Hardness HRC 58-60
Total length 370 mm

0166 € 18,80

IRON PLANER FOR WOOD



Planner length 225 mm
Blade width 50 mm

0519 € 5,40

WOOD RASP SET WITH PLASTIC HANDLE



Dimensions 200 mm - 8" mm



0160 € 16,60

FILE SET FOR METAL WITH ANATOMIC HANDLE



Dimensions 200 mm - 8" mm



0219 € 5,30

NEEDLE FILE SET



Total length 180 mm



0214 € 5,40

ROUND HANDLE NEEDLE FILE SET

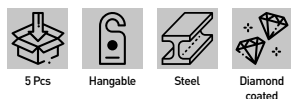


Dimensions Ø 3 x 140 mm



L011 € 25,50

BENT NOSE DIAMOND NEEDLE FILE SET



Length 140 mm



L012 € 33,20

DIAMOND NEEDLE FILE SET

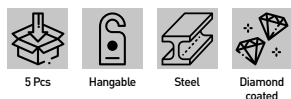


Length 180 mm



L013 € 21,70

DIAMOND NEEDLE FILE SET

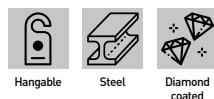


Length 140 mm



L012/PIA € 9,10

DIAMOND FLAT FILE



Length 180 mm





0737-

STEEL FILE

Rectangular shape, with ergonomic plastic handle



Art.	€	Slotted	Dimensions	Pack
0737/150T2	€ 4,63	Half cut	150 mm 6 Inch	10
0737/150T3	€ 4,63	Smooth cut	150 mm 6 Inch	10
0737/200T2	€ 5,50	Half cut	200 mm 8 Inch	10
0737/200T3	€ 5,50	Smooth cut	200 mm 8 Inch	10
0737/250T2	€ 6,80	Half cut	250 mm 10 Inch	10
0737/250T3	€ 6,80	Smooth cut	250 mm 10 Inch	10

0738-

STEEL FILE

Triangular shape, with ergonomic plastic handle



Art.	€	Slotted	Dimensions	Pack
0738/150T2	€ 4,63	Half cut	150 mm 6 Inch	10
0738/150T3	€ 4,63	Smooth cut	150 mm 6 Inch	10
0738/200T2	€ 5,50	Half cut	200 mm 8 Inch	10
0738/200T3	€ 5,50	Smooth cut	200 mm 8 Inch	10
0738/250T2	€ 6,80	Half cut	250 mm 10 Inch	10
0738/250T3	€ 6,80	Smooth cut	250 mm 10 Inch	10

0739-

STEEL FILE

Half round shape, with ergonomic plastic handle



Art.	€	Slotted	Dimensions	Pack
0739/150T2	€ 4,63	Half cut	150 mm 6 Inch	10
0739/150T3	€ 4,63	Smooth cut	150 mm 6 Inch	10
0739/200T2	€ 5,50	Half cut	200 mm 8 Inch	10
0739/200T3	€ 5,50	Smooth cut	200 mm 8 Inch	10
0739/250T2	€ 6,80	Half cut	250 mm 10 Inch	10
0739/250T3	€ 6,80	Smooth cut	250 mm 10 Inch	10

0740-

STEEL FILE

Round shape, with ergonomic plastic handle



Art.	€	Slotted	Dimensions	Pack
0740/150T2	€ 4,63	Half cut	150 mm 6 Inch	10
0740/150T3	€ 4,63	Smooth cut	150 mm 6 Inch	10
0740/200T2	€ 5,50	Half cut	200 mm 8 Inch	10
0740/200T3	€ 5,50	Smooth cut	200 mm 8 Inch	10
0740/250T2	€ 6,80	Half cut	250 mm 10 Inch	10
0740/250T3	€ 6,80	Smooth cut	250 mm 10 Inch	10

0741-

STEEL FILE

Squared shape, with ergonomic plastic handle



Art.	€	Slotted	Dimensions	Pack
0741/150T2	€ 4,63	Half cut	150 mm 6 Inch	10
0741/150T3	€ 4,63	Smooth cut	150 mm 6 Inch	10
0741/200T2	€ 5,50	Half cut	200 mm 8 Inch	10
0741/200T3	€ 5,50	Smooth cut	200 mm 8 Inch	10
0741/250T2	€ 6,80	Half cut	250 mm 10 Inch	10
0741/250T3	€ 6,80	Smooth cut	250 mm 10 Inch	10

0742-

ANATOMIC PLASTIC FILE HANDLE



Art.	€	For file	Pack
0742/4	€ 1,33	4" - 6"	12
0742/6	€ 1,33	6" - 10"	12
0742/10	€ 1,52	10" - 16"	12

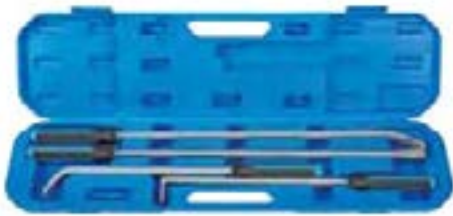
0202 € 34,80
PRY BAR SET GO THROUGH TYPE



Dimensions 230mm/9" - 300mm/12" - 450mm/18" - 590mm/24"

0192 € 140,00
HEAVY DUTY PRY BAR SET

1 Pc straight 910mm/36", 1 Pc bent 45° 910mm/36", 1 Pc bent 60° 610mm/24", 1 Pc bent 90° 610mm/24".



L007 € 7,10
MOTORCYCLE TYRE LEVER



Dimensions 215 x 16 X 5 mm

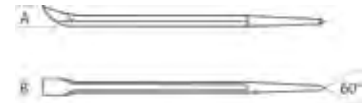
0320 € 6,30
WRECKING BAR



Total length 600 mm
Hexagon 15,6 mm

0198 € 5,80
POINTED PRY BAR

Pointed pry bar



Length 400 mm
A 30 mm
B 23 mm
Pack 5

0267 € 9,10
TYRE LEVER



Dimensions 510 x 26 x 9 mm

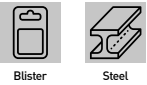




0623 **PRO** € 5,10

SNAP-OFF UTILITY KNIFE, BLADES INCLUDED

With automatic loading of the blade



Standard blades 3
Blade width 18 mm

0627 **PRO** € 3,95

SNAP-OFF UTILITY KNIFE BLADES INCLUDED

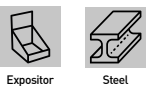
With automatic loading of the blade



Standard blades 5
Blade width 9 mm

0617 € 2,49

AUTOMATIC SNAP-OFF UTILITY KNIFE BLADES INCLUDED



Standard blades 3
Blade width 18 mm

0613 € 1,98

STAINLESS STEEL SNAP-OFF UTILITY KNIFE

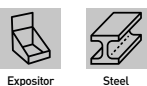
ISO 9001.



Standard blades 3
Blade width 9 mm

0096 € 2,49

SNAP-OFF UTILITY KNIFE, BLADES INCLUDED



Standard blades 3
Blade width 18 mm

0612 € 2,97

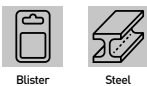
STAINLESS STEEL SNAP-OFF UTILITY KNIFE



Standard blades 3
Blade width 9 mm



0611 € 2,77
STAINLESS STEEL SNAP-OFF UTILITY KNIFE



Standard blades 3
 Blade width 9 mm

0035 **PRO** € 6,20
SECURITY SNAP-OFF UTILITY KNIFE, BLADES INCLUDED



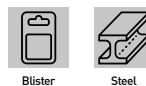
Standard blades 4
 Trapezoidal blade 19 x 61 x 0,6 mm

0792 € 10,20
AUTOMATIC SNAP-OFF UTILITY KNIFE, BLADES INCLUDED



Standard blades 5
 Blade width 25 x 0,7 mm

0696 € 7,60
FOLDABLE UTILITY KNIFE, BLADES INCLUDED

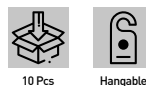


Standard blades 5
 Blade width 20 mm

0095 € 1,64
SNAP-OFF KNIFE SET



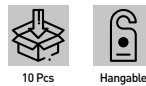
0696/L € 1,88
PAPER CUTTER BLADE SET



Trapezoidal blade 19 x 61 x 0,6 mm



0627/L € 2,05
10 PCS PAPER CUTTER BLADE SET



Blade length 9 mm





0096/L € 2,05

PAPER CUTTER BLADE SET



0792/L € 7,80

PAPER CUTTER BLADE SET



0420 € 6,90

DEBURRING TOOL WITH 1 BLADE



Length	120 mm
Max. handle diameter	9,2 mm
Blade	E100 - Ø 3,2 mm
Blade material	HSS

0411 **PRO** € 13,40

DEBURRING TOOL WITH 1 BLADE



Length	124 mm
Max. handle diameter	29 mm
Blade	E100 - Ø 3,2 mm
Blade material	HSS

0415 € 9,10

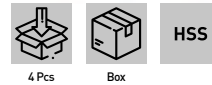
DEBURRING TOOL WITH 2 BLADE



Length	125 mm
Max. handle diameter	22 mm
Blade	E100 - E200 - Ø 3,2 mm
Blade material	HSS

S002 € 14,50

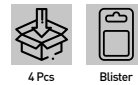
EXTENSIBLE DEBURRING TOOL WITH 3 BLADES



Blade	Ø 3,2 mm
Blade dimensions	E100 - E200 - E300

0420/S **NEW** € 21,20

DEBURRING SET WITH BLADES



Length	120 mm
Blade	Ø 3.2mm

S002/E100 € 14,40

HSS LONG SHANK BLADE SET

For internal and external deburring for long chips material like steel, aluminum, plastic materials



S002/E200 € 13,40

HSS BIDIRECTIONAL BLADE SET

For internal and external deburring short chips material like brass and cast iron



S002/E300 € 14,40

HSS BIDIRECTIONAL BLADE SET

For internal and external deburring for holes until 4mm of thickness.





S005 € 13,50

DOUBLE DEBURRER WITH HSS DISK BLADE

For steel, aluminum, brass, copper and plastic sheets deburring max 10mm.



HSS
Box

S005/R € 15,10

DISK BLADE SET



HSS
4 Pcs Box

0384 € 6,20

INNER-OUTER REAMER

For copper and ferrous metals



Plastic
2 Pcs Box

Capacity 3 ÷ 32 mm 3/16" ÷ 1-1/2"

0647/25 € 16,60

PAINT SCRAPER WITH 25MM CARBIDE BLADE THREE CUTTING EDGES



HM
Blister Satin

0647/50 € 17,30

PAINT SCRAPER WITH 50MM CARBIDE BLADE TWO CUTTING EDGES



HM
Blister Satin

0647/25L € 13,50

2 PCS BLADE SET



HM
2 Pcs Blister

0647/50L € 13,80

2 PCS BLADE SET



HM
2 Pcs Blister

0647/65 € 18,90

PAINT SCRAPER WITH 65MM CARBIDE BLADE TWO CUTTING EDGES



HM
Blister Satin

0647/65L € 13,80

2 PCS BLADE SET



HM
2 Pcs Blister



0367

€ 25,50

CARVING KNIFE SET

With 240 grit stone, 26 spare knives. For use on wood, polystyrene, EVA, foam.



Grindstone	1 - grana / grain 240
Precision screwdriver	1
Tweezers	1
Double color grip	4
Carving knife blades	26
Plastic case	1, ABS+TPR



0226

€ 9,00

HACKSAW FRAME WITH ALUMINUM ALLOY HANDLE

With handle for small cut. bi-metal hack saw blade and aluminum body



Blade length 310 mm

0161

€ 3,79

MINI HACKSAW WITH BLADE



Alu
Aluminum

Blade length 150 mm

0724/B

PRO € 1,90

BI-METAL HACK SAW BLADE

ISO 2336-1.



Sizes 300 x 12,7 x 0,62 mm x 24T - 12" x 1/2" x 0.025" x 24T
Pack 10

0869

€ 14,40

HANDSAW FOR JOINER WITH TRIPLE DRESSED SHARPENING DIAMOND TYPE



Blade length 400 mm

0629

€ 19,80

HACKSAW WITH BLADE

Bi-metal hack saw blade and aluminum body



Blade length 300 mm

0327

€ 7,50

BOW HANDSAW FOR WOOD



Blade length 530 mm / 21"

0159

€ 0,28

HACKSAW BLADE

ISO 2336-1.



Sizes 300 x 12,7 x 0,62 mm x 24T - 12" x 1/2" x 0.025" x 24T
Pack 100

0670

€ 51,20

NIBBLER FOR POWER DRILL

Double head nibbler, with accessory for round and straight cutting purpose



HSS

TiN

0670/U € 13,50
CUTTER HOLDERS



Cutting capacity

Iron plates	1,8 mm
Stainless steel plate	1,2 mm
Copper and aluminum plate	2,0 mm
Plastic materials	2,0 mm
Round speed	1500 - 3000 rpm
Collar	∅ 43,2 mm

Metal box

0655/L

€ 9,40

LEFT HAND AVIATION TIN SNIP

With serrated and hardened blade and ergonomic handles



0655/S

€ 9,40

STRAIGHT AVIATION TIN SNIP

With serrated and hardened blade and ergonomic handles



0655/R

€ 9,40

RIGHT HAND AVIATION TIN SNIP

With serrated and hardened blade and ergonomic handles



Cr-V



Blister

Chromed

Length	245 mm
Hardness	50 - 52 HRC



Cr-V



Blister

Chromed

Length	245 mm
Hardness	50 - 52 HRC



Cr-V



Blister

Chromed

Length	245 mm
Hardness	50 - 52 HRC

0818/250

€ 10,50

TINMAN'S SNIPS



0699/240

€ 6,20

INOX SCISSORS

With nylon handle



0672

€ 7,50

ELECTRICIAN SCISSORS

With serrated blade, and ergonomic handle in abs material



Blister

Steel

Satin

Length	250 mm
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INOX



Blister

Satin

Length	240 mm
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INOX



Blister

Satin

Length	5" 1/2 - 140 mm
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0672/B **PRO** € 10,20

ELECTRICIAN SCISSORS

With serrated blade and, bicolor non-slip ergonomic handle



Length 140 mm

0141 € 11,10

ELECTRICIAN SCISSORS



Length 5" 1/2 - 140 mm

F018 **PRO** € 25,80

INSULATED ELECTRICIAN SCISSORS

1000V IEC 60900, with serrated blade, and ergonomic handle in ABS material.



Length 6" - 160 mm

0673 € 10,20

MULTIPURPOSE SCISSORS

With serrated blade, ergonomic bicolor non-slip plastic and rubber handle



Length 175 mm / 7" mm

0325 € 13,20

MULTIPURPOSE SCISSORS

With serrated blade and ergonomic bicolor non-slip handle



Length 210 mm / 8" mm

0424 € 12,20

PUNCH PLIER

It allows to perform small holes on materials of small thickness such as: paper, cardboard, rubber and leather



Length 250 mm

0081 € 31,30

HOLLOW PUNCH SET

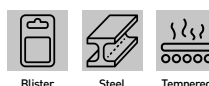


Sizes ø 5 - 6 - 8 - 10 - 12,5 - 16 - 20 - 25 - 32 mm

0093/22 **PRO** € 5,60

PIPE CUTTER FOR COPPER AND PLASTIC

With zinc alloy body.



Cutting capacity 3÷22 mm, 1 / 8" ÷ 55 / 64"

0093/42 **PRO** € 22,20

PIPE CUTTER FOR COPPER AND IRON

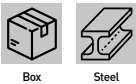
With aluminium alloy body.



Cutting capacity 6÷42 mm , 15 / 64" ÷ 1-21 / 32"
Hardness HRC 58-60

0472 € 17,80

PIPE FLARING TOOL FOR COPPER AND ALUMINUM



Round pipe 5 - 6 - 8 - 10 - 12 - 14 - 16 mm

0844 € 10,20

POLYURETHANE AND RUBBER HOSE CUTTER



Max cut Ø 25 mm

0253 € 9,60

POLYURETHANE AND RUBBER HOSE CUTTER

Suitable for pe, pu and rubber hoses, bi-component handle



Max Opening 19 mm
Length 133 mm

0092 € 6,20

COPPER TUBE CUTTER



Capacity 3 ÷ 28 mm - 1/8" ÷ 1 1/8"

0297 € 67,80

RATCHET PLASTIC TUBE CUTTER



Max cut Ø 42 mm

0287-

BOLT CUTTER

Ideal for cutting iron rods, chains and a vast type of ferrous and non-ferrous materials



Cr-V

Art.	€	Dimensions
0287/300	€ 16,10	300 mm - 12"
0287/350	€ 18,40	350 mm - 14" mm
0287/450	€ 23,50	450 mm - 18" mm
0287/600	€ 29,70	600 mm - 24" mm
0287/750	€ 38,50	750 mm - 30" mm

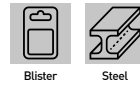


0846/150 € 116,00
RATCHET HAND CABLE CUTTER
 For electric cables



Cutting capacity 150 mm² (Al - Cu)
 Length 250 mm

0862 € 6,90
ADJUSTABLE AUTOMATIC WIRE STRIPPER



Max cut Ø 0,8 ÷ 3,5mm 0,25 ÷ 6 mm²

0801 € 6,90
CABLE WIRE STRIPPER



Max cut Ø 0,8 ÷ 28,0 mm

0101/500 € 8,90
CAMP AXE



0513 € 11,30
CAMP AXE WITH FIBRE-GLASS HANDLE



0515 € 25,80
AXE WITH FIBRE-GLASS HANDLE

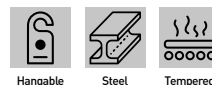


Length 900 mm

0842 € 36,40
UNIVERSAL GRAFTING MACHINE

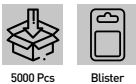


0322 € 44,50
TELESCOPIC RATCHET LOPPING SHEARS TEFLON COATED HARDENED BLADE
 Ergonomic handle.



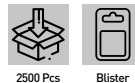
Length 690 - 1030 mm

0587-
STAPLES



Art.	€	Model	Size
0587/8006	€ 6,90	80	12,9 x 6h mm
0587/8008	€ 8,00	80	12,9 x 8h mm
0587/8010	€ 8,70	80	12,9 x 10h mm
0587/8012	€ 9,50	80	12,9 x 12h mm
0587/8014	€ 10,20	80	12,9 x 14h mm
0587/8016	€ 11,10	80	12,9 x 16h mm

0585-
STAPLES



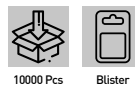
Art.	€	Model	Size
0585/9013	€ 7,00	90	5,7 x 13h mm
0585/9019	€ 9,90	90	5,7 x 19h mm
0585/9032	€ 12,50	90	5,7 x 32h mm
0585/9040	€ 13,40	90	5,7 x 40h mm

0584-
NAILS



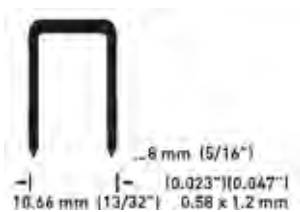
Art.	€	Model	Size
0584/F10	€ 6,90	TI-PIN	1 x 10h mm
0584/F15	€ 8,00	TI-PIN	1 x 15h mm
0584/F20	€ 10,20	TI-PIN	1 x 20h mm
0584/F25	€ 10,90	TI-PIN	1 x 25h mm
0584/F30	€ 12,20	TI-PIN	1 x 30h mm
0584/F35	€ 13,40	TI-PIN	1 x 35h mm
0584/F40	€ 15,10	TI-PIN	1 x 40h mm
0584/F45	€ 15,30	TI-PIN	1 x 45h mm
0584/F50	€ 15,60	TI-PIN	1 x 50h mm

0588-
HEADLESS PINS



Art.	€	Model	Size
0588/615	€ 7,50	0,60	0,63 x 15h mm
0588/620	€ 9,30	0,60	0,63 x 20h mm
0588/625	€ 10,90	0,60	0,63 x 25h mm

0151 € 2,99
STAPLES



Stem	0,58 x 1,2 mm
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0295 € 10,80
RIVET SET

25 Pcs 2.4x6.4 mm; 25 Pcs 2.4x8 mm; 25 Pcs 3.2x5 mm; 25 Pcs 3.2x6.4 mm; 25 Pcs 3.2x8 mm; 25 Pcs 4x6.4 mm; 25 Pcs 4x8 mm; 25 Pcs 4.8x6.4 mm; 25 Pcs 4.8x8 mm;



0376/AC € 9,90
CARBON STEEL NUT RIVET SET

Yellow zinc plated, M3: 40 Pcs - M4: 40 Pcs - M5: 30 Pcs - M6: 20 Pcs - M8: 10 Pcs - M10: 5 Pcs - M12: 5 Pcs.



Nut rivets M3 - M4 - M5 - M6 - M8 - M10 - M12



0376/AL

€ 12,40

ALUMINUM NUT RIVET SET

M4: 50 Pcs - M5: 35 Pcs - M6: 15 Pcs - M8: 10Pcs - M10: 10 Pcs



120 Pcs

Hangable

Aluminum

Nut rivets

M4 - M5 - M6 - M8 - M10



0376/AI

€ 34,70

STAINLESS STEEL NUT RIVET SET

M3: 40 Pcs - M4: 40 Pcs - M5: 30 Pcs - M6: 20 Pcs - M8: 10Pcs - M10: 5 Pcs - M12: 5 Pcs



150 Pcs

Hangable

INOX

Nut rivets

M3 - M4 - M5 - M6 - M8 - M10 - M12



0178

€ 10,50

WASHER SET

50 Pcs Grower #6; 50 Pcs Grower #8; 50 Pcs Grower #10; 40 Pcs Grower 1/4"; 30 Pcs Grower 5/16"; 20 Pcs Grower 3/8"; 50 Pcs Notched out. #6; 50 Pcs Notched out. #8; 50 Pcs Notched out. #10; 40 Pcs Notched out. 1/4"; 30 Pcs Notched out. 5/16"; 20 Pcs Notched out. 3/8"; 50 Pcs Notched ins. #6; 50 Pcs Notched ins. #8; 50 Pcs Notched ins. #10; 40 Pcs Notched ins. 1/4"; 30 Pcs Notched ins. 5/16"; 20 Pcs Notched ins. 3/8";



720 Pcs

Box

Aluminum

0294

€ 11,10

COTTER PIN SET

150 Pcs 1/16" x 1"; 150 Pcs 3/32" x 1"; 100 Pcs 3/32" x 1 - 1/2"; 1/8"x1-1/4"; 50 Pcs 1/8" x 2"; 30 Pcs 5/32"x2-1/2".



555 Pcs

Box

Steel



0229

€ 15,60

COPPER WASHER SET

30 Pcs M6; 25 Pcs M8; 20 Pcs M10; 15 Pcs M12; 10 Pcs M14; 10 Pcs M16;



110 Pcs

Box



0298

€ 10,20

HITCH PIN SET

42 Pcs 3/32"x1-3/16"; 30 Pcs 5/64"x1-5/16"; 25 Pcs 5/64"x1-9/16"; 25 Pcs 7/64"x1-5/18"; 20 Pcs 9/64"x1-3/4"; 8 Pcs 5/32"x2-15/16";



150 Pcs

Box

Steel



0231

€ 11,20

ROLL PIN SET

4 Pcs 4x16 mm; 4 Pcs 4x26 mm; 4 Pcs 4x40 mm; 4 Pcs 6x16 mm; 4 Pcs 6x32 mm; 4 Pcs 6x45 mm; 4 Pcs 8x20 mm; 4 Pcs 8x40 mm; 4 Pcs 8x50 mm; 4 Pcs 2x6 mm; 4 Pcs 2x14 mm; 4 Pcs 2x26 mm; 4 Pcs 1.5x5 mm; 4 Pcs 1.5x20 mm; 4 Pcs 1.5x8 mm; 4 Pcs 2.5x16 mm; 4 Pcs 2.5 x24 mm; 4 Pcs 2.5x32 mm; 5 Pcs 3x16 mm; 5 Pcs 3x26 mm; 5 Pcs 3x32 mm; 2 Pcs 10x20 mm; 2 Pcs 10x40 mm; 2 Pcs 10x50 mm; 4 Pcs 5.5x32 mm; 4 Pcs 5.5x45 mm; 4 Pcs 5.5x16 mm; 5 Pcs 5x16 mm; 5 Pcs 5x26 mm; 5 Pcs 5x32 mm;



120 Pcs

Box

Steel



0296

€ 11,10

E-CLIP SET

30 Pcs 1/16"; 30 Pcs 1/8"; 40 Pcs 3/16"; 50 Pcs 1/4"; 50 Pcs 3/8"; 40 Pcs 1/2"; 20 Pcs 5/8"; 20 Pcs 3/4"; 20 Pcs 7/8";



300 Pcs

Box

Steel



0179 € 10,20

SNAP RING SET

3 Pcs \varnothing 32; 5 Pcs \varnothing 25; 5 Pcs \varnothing 22; 10 Pcs \varnothing 16;
10 Pcs \varnothing 14; 10 Pcs \varnothing 10; 5 Pcs R14; 10 Pcs R12;
10 Pcs R10; 10 Pcs \varnothing 9; 10 Pcs \varnothing 8; 12 Pcs \varnothing 6;

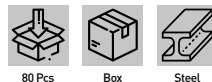


100 Pcs Box Steel

0263 € 13,40

WOODRUFF METRIC KEY SET

10 Pcs 4x7.5x19 mm; 10 Pcs 5x7.5x19 mm;
10 Pcs 3x5x13 mm; 10 Pcs 3x6.5x16 mm; 10
Pcs 4x5x13 mm; 10 Pcs 4x6.5x16 mm; 10 Pcs
5x9x22 mm; 10 Pcs 6x9x22 mm;



80 Pcs Box Steel

0257 € 13,40

PARALLEL KEY SET

5 Pcs 6x6x20 mm; 4 Pcs 3x3x20 mm; 4 Pcs
3x3x25 mm; 5 Pcs 8x5x32 mm; 5 Pcs 5x5x20
mm; 5 Pcs 8x7x36 mm; 5 Pcs 5x5x25 mm; 5
Pcs 10x8x40 mm; 5 Pcs 5x5x36 mm; 5 Pcs
10x8x50 mm; 5 Pcs 6x6x36 mm; 2 Pcs 12x8x40
mm; 5 Pcs 6x6x50 mm;



60 Pcs Box Steel

0116 € 11,10

METRIC CHROMED STEEL BALL SET

DIN 5401 grade, class III 50 Pcs 2.00mm; 50
Pcs 2.50mm; 50 Pcs 3.00mm; 50 Pcs 3.50mm;
50 Pcs 4.00mm; 50 Pcs 4.50mm; 50 Pcs
5.00mm; 30 Pcs 5.50mm; 30 Pcs 6.00mm; 20
Pcs 7.00mm; 20 Pcs 8.00mm.



450 Pcs Box Steel

0116P € 13,80

INCH CHROMED STEEL BALL SET

DIN 5401 grade, class III 50 Pcs 3/32"; 50 Pcs
1/8"; 50 Pcs 5/32"; 50 Pcs 3/16"; 50 Pcs 7/32";
50 Pcs 1/4"; 30 Pcs 9/32"; 30 Pcs 5/16"; 30 Pcs
11/32"; 20 Pcs 3/8"; 20 Pcs 13/32".



430 Pcs Box Steel

0180 € 11,10

SPRING SET

8 a Compress. 12 Ext. 10Pc Comp. 9/32"x 1/2";
10Pc Ext.13/64"x 13/16"; 10Pc Comp. 3/8"x
5/8"; 10Pc Ext.5/16"x 1-1/8"; 10Pc Comp.
1/4"x 13/32"; 10Pc Ext.7/32"x 1"; 10Pc Comp.
3/8"x 3/4"; 10Pc Comp. 7/32"x 11/16"; 10Pc
Ext.1/4"x 7/8"; 10Pc Ext.5/16"x 1-1/4"; 10Pc
Ext.11/32"x 1-27/32"; 10Pc Ext.5/16"x 1-3/4";
10Pc Ext.9/32"x 2"; 10Pc Ext.5/32"x 3-1/8";
10Pc Comp. 23/64"x 1-3/8"; 10Pc Ext.3/16"x
1-3/4"; 10Pc Comp. 7/32"x 1-1/2"; 10Pc
Ext.9/32"x 1-1/2"; 10Pc Comp 9/32"x 3/4";
10Pc Ext.11/32"x 1-7/16".



200 Pcs Box Steel

0299 € 21,10

METRIC O-RING SET

419 pieces in 32 different sizes made of high
quality NBR nitrile rubber, heat resistant, oil
resistant, gas resistant.



419 Pcs Box

0299/P € 21,10

O-RING SET IN INCHES

Assortment made of high quality NBR nitrile
rubber, heat resistant, oil resistant, gas
resistant.



419 Pcs Box

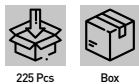


0177

€ 10,80

O-RING SET

10 Pcs 3/32" x 15/64"; 20 Pcs 1/8" x 1/4"; 20 Pcs 5/32" x 9/32"; 20 Pcs 3/16" x 5/16"; 15 Pcs 7/32" x 11/32"; 15 Pcs 1/4" x 3/8"; 10 Pcs 9/16" x 3/4"; 10 Pcs 5/8" x 13/16"; 10 Pcs 11/16" x 7/8"; 10 Pcs 3/4" x 15/16"; 10 Pcs 3/4" x 1"; 10 Pcs 13/16" x 11/16"; 15 Pcs 5/16" x 7/16"; 10 Pcs 3/8" x 1/2"; 10 Pcs 5/8" x 3/4"; 10 Pcs 3/8" x 9/16"; 10 Pcs 7/16" x 5/8"; 10 Pcs 1/2" x 11/16";

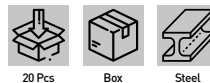


0261

€ 9,30

HOSE CLIP SET

2 Pcs 12.8x0.9x50-70 mm; 4 Pcs 12.8x0.9x35-50 mm; 8 Pcs 12.8x0.9x25-40 mm; 6 Pcs 10x0.8x12-22 mm;

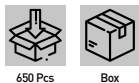
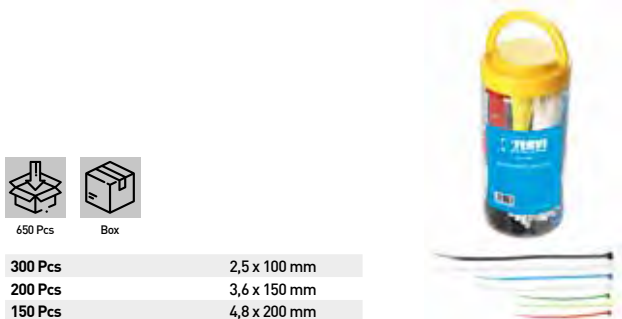


Dimensions 10 x 0,8 x 12-22 mm ; 12,8 x 0,9 x 25-40 mm ; 12,8 x 0,9 x 35-50 mm ; 12,8 x 0,9 x 50-70 mm

0876

€ 12,20

NYLON CABLE TIE SET



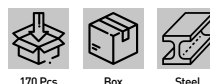
300 Pcs	2,5 x 100 mm
200 Pcs	3,6 x 150 mm
150 Pcs	4,8 x 200 mm

0398

€ 9,50

SCREW AND U TYPE CUSHIONS ASSORTMENT

Screws: 3x8mm 40Pcs 4x16mm 20Pcs 5x12mm 15Pcs 6x20mm 10Pcs U clips: 3mm 20Pcs 4mm with notch 20Pcs 4mm 20Pcs 5mm 15Pcs 6mm 10Pcs.

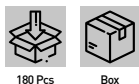


0465

€ 8,90

RUBBER GROMMET ASSORTMENT

Grommets sizes: 5 Pcs - D 21 mm - ID 15 mm - OD 26 mm - T 2,2 mm 40 Pcs - D 9 mm - ID 6 mm - OD 13 mm - T 2,1 mm 5 Pcs - D 15 mm - ID 12 mm - OD 19 mm - T 1,9 mm 40 Pcs - D 5,8 mm - ID 2,5 mm - OD 7,9 mm - T 1,8 mm 40 Pcs - D 7,5 mm - ID 4,8 mm - OD 9,8 mm - T 1,8 mm 20 Pcs - D 12 mm - ID 10,5 mm - OD 15 mm - T 1,8 mm 25 Pcs - D 11 mm - ID 8,5 mm - OD 14,5 mm - T 1,5 mm 5 Pcs - D 25 mm - ID 18 mm - OD 32 mm - T 1,5 mm

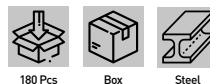


0468

€ 9,90

CONNECTING PLATE AND SCREW ASSORTMENT

4 Pcs Assembly square: 25x25x16x2.0mm 8 Pcs Assembly square: 40x40x16x2.0mm 4 Pcs Assembly square: 60x60x16x2.0mm 4 Pcs Assembly square: 75x75x16x2.0mm 4 Pcs L Flat angle plate: 40x40x12x2.0mm 4 Pcs L Flat angle: 60x60x12x2.0mm 4 Pcs Flat plate Connector: 80x15x2.0mm 4 Pcs Flat plate Connector: 40x15x2.0mm 144 Pcs screws: 3x16mm



0307/1

€ 19,80

GLASS FUSE SET

Fast: 10 x 1A F1, 10 x 1.25A F1, 10 x 1.6A F1, 10 x 2A F1, 10 x 2.5A F1, 10 x 4A F1, 10 x 5A F1, 10 x 6.3A F1, 10 x 10A F1, time delay: 10 x 1A F1 T, 10 x 1.25A F1 T, 10 x 1.6A F1 T, 10 x 2A F1 T, 10 x 2.5A F1 T, 10 x 4A F1 T, 10 x 5A F1 T, 10 x 6.3A F1 T, 10 x 10A F1 T.



Dimensions 5 x 20 mm

0307/2

€ 22,30

GLASS FUSE SET

Time delay: 10 Pcs 100mA T, 10 Pcs 160mA T, 10 Pcs 200mA T, 10 Pcs 250mA T, 10 Pcs 315mA T, 10 Pcs 400mA T, 10 Pcs 500mA T, 10 Pcs 630mA T, 10 Pcs 800mA T, fast: 10 Pcs 100mA F, 10 Pcs 160mA F, 10 Pcs 200mA F, 10 Pcs 250mA F, 10 Pcs 315mA F, 10 Pcs 400mA F, 10 Pcs 500mA F, 10 Pcs 630mA F, 10 Pcs 800mA F.

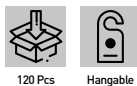


Dimensions 5 x 20 mm

0317 € 11,90

CAR FUSE SET

3A 15 Pcs, 5A 15 Pcs, 7.5A 15 Pcs, 10A 15 Pcs, 15A 15 Pcs, 20A 15 Pcs, 25A 15 Pcs, 30A 15 Pcs, Fuse puller 1 Pc.



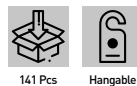
Dimensions 19.1 x 5.1 x 18.5 mm



0318 € 12,80

CAR FUSE SET

2 AMP x 10 pz; 3 AMP x 10 pz; 4 AMP x 10 pz; 5 AMP x 10 pz; 7.5 AMP x 20 pz; 10 AMP x 10 pz; 15 AMP x 20 pz; 20 AMP x 20 pz; 25 AMP x 20 pz; 30 AMP x 10 pz; Fuse Puller x 1



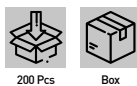
Dimensions 10.9 x 3.6 x 16.3 mm



0293 € 14,50

INSULATED TERMINAL SET

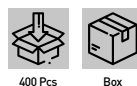
15 Pcs FDD1-110 2.8x0.5/0.8 mm; 15 Pcs FDD1-187 4.75x0.5/0.8 mm; 10 Pcs FDD2-187 6.35x0.5/0.8 mm; 15 Pcs FDD1-250 4.75x0.5/0.8 mm; 10 Pcs FDD2-250 6.35x0.8 mm; 10 Pcs FDD5-250 6.35x0.8 mm; 10 Pcs BV1; 10 Pcs BV2; 10 Pz BV5; 10 Pcs MDD1-250; 10 Pcs MDD2-250; 10 Pcs MDD5-250; 10 Pcs SVL1.25-3.7; 10 Pcs SVL1.25-4; 10 Pcs SVL1.25-5.3; 10 Pcs SVM2-4; 10Pcs SVS2-5; 10 Pcs SVL5-4; 10 Pcs SVL5.5-4;



0877 € 11,30

END TERMINAL SET

50 Pcs 0.5mm²; 100 Pcs 0.75mm²; 100 Pcs 1.0 mm²; 100 Pcs 1.5 mm²; 50 Pcs 2.5 mm²;



White end	50 x 0,5 mm ²
Grey end	100 x 0,75 mm ²
Red end	100 x 1 mm ²
Black end	100 x 1,5 mm ²
Blue end	50 x 2,5 mm ²



0380 € 10,20

PVC SHRINKABLE TUBE ASSORTMENT

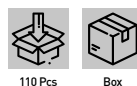
30 Pcs 5/64"x1-9/16"; 25 Pcs 3/32"x1-9/16"; 20 Pcs 1/8"x1-9/16"; 30 Pcs 3/16"x1-9/16"; 16 Pcs 9/32"x3-1/8"; 8 Pcs 3/8"x3-1/8"; 8 Pcs 1/2"x3-3/8";



0176 € 31,80

GREASE FITTING SET

Pcs. 35 straight M6x1; Pcs. 15 Straight 1/8"-27; Pcs. 5 45° 1/8"-27; Pcs. 5 45° M6x1; Pcs. 10 45° M8x1; Pcs. 5 45° M10x1; Pcs. 10 Straight M10x1; Pcs. 10 Straight M8x1; Pcs. 5 90° M6x1; Pcs. 5 90° M8x1; Pcs. 5 90° M10x1.



SR44W € 5,50

BATTERIES FOR DIGITAL INSTRUMENTS



Voltage	1,5 V
Pack	10



CR20X

BATTERIES FOR DIGITAL INSTRUMENTS

Art.	€	Voltage	Pack
CR2025	€ 7,60	3 V	10
CR2032	€ 7,60	3 V	10





0678 € 20,10

POLYURETHANE FOAM GUN

Mount and foam adjustment



Box

Length 290 mm

0085 **PRO** € 12,30

9" HEAVY DUTY CAULKING GUN



Nickel plated



0521 **PRO** € 9,90

9" HEAVY DUTY CAULKING GUN



Nickel plated



0234 € 4,30

9" REINFORCED CAULKING GUN SKELETON TYPE EXAGONAL ROD



Steel



0091 € 3,75

9" RATCHET CAULKING GUN BARREL TYPE



0604 € 20,10

9" EPOXY SEAL CAULKING GUN 345 ML AND 235 ML



Nickel plated



0861 € 20,10

9" EPOXY SEAL CAULKING GUN



Nickel plated

0819-

BRICKLAYING TROWELS ROUND NOSE



Steel



Art.	€	Length
0819/18	€ 4,84	180 mm
0819/20	€ 5,00	200 mm

0820-

SQUARE TROWELS



Steel



Art.	€	Length
0820/18	€ 4,84	180 mm
0820/20	€ 5,00	200 mm

0821/14 € 3,75

BRICKLAYING TROWEL ROUND NOSE



Steel



Length	140 mm
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0822 € 5,40

PLASTERING TROWEL WITH ABS HANDLE



Steel



Length	280 x 120 mm
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0823 € 5,40

NOTCHED TROWEL WITH ABS HANDLE



Steel



Length	280 x 120 mm
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0184-

PUTTY KNIFE WITH CLIPPED PLASTIC HANDLE MIRROR POLISH



INOX

Art.	€	Blade dimensions
0184/01	€ 1,49	30 x 90h mm
0184/02	€ 1,49	50 x 95h mm
0184/03	€ 1,93	75 x 100h mm
0184/04	€ 2,96	100 x 100h mm

0606 € 4,37

POLYETHYLENE BUCKET



Dimensions	ø 360 x 240h mm
Capacity	14 l



0043 € 5,70

RED AND WHITE SIGNAL TAPE



Length 200 m
Height 70 mm

0747 € 2,52

PPL TAPE HAVANA COLOR



Belt dimensions 50 mm x 66 m
Pack 6

PVC300/125 € 5,20

PPL FILM



Dimensions 0,125h x 100 m
Thickness 20 µm
Pack 48

PVC300 € 19,60

PPL FILM



Dimensions 0,5h x 300 m
Thickness 23 µm
Pack 6

0103 € 8,70

TAPE FILM DISPENSER



Box

0760 € 8,70

STRETCH FILM HANDLE DISPENSER



0748 € 10,30

PPL FILM HANDLE DISPENSERS



028X

POLYETHYLENE PROTECTION COVER SHEET, TWO-COLOUR GREEN - BLUE

Protected to uv rays, woven polyethylene tarpaulin 140/150 g/m², eyelets every 50cm.



Art.	€	Dimensions	Net weight
0281	€ 11,80	2 x 3 m	0,9 kg
0282	€ 34,10	4 x 5 m	2,8 kg
0283	€ 68,10	5 x 8 m	5,6 kg
0284	€ 88,80	6 x 10 m	8 kg

C190C

€ 1250,00

7 DRAWERS ROLLER CABINET WITH TOOLS

With 152 tools, with anti-rolling system. it's possible to open only one drawer at one time; worktop made of plastic and wood with practical compartments, retractable shelf and integrated both side bottles or tool holders, screwdrivers compartment



152 Pcs

External Dimensions	1000 x 470 x 920h mm
Drawer dimensions	560 x 400 mm
Drawers height	2 x 40 mm - 4 x 60 mm - 1 x 170 mm

C960C

€ 978,00

TOOL ROLLING CABINET WITH TOOLS



291 Pcs

Dimensions	890 x 458 x 994 mm
Drawer dimensions	565 x 405 mm
Drawers height	5 x 74,5 mm - 2 x 153.5 mm
Drawer capacity	25 kg



C960CB

NEW € 978,00

TOOL ROLLING CABINET WITH TOOLS



291 Pcs

Dimensions	890 x 458 x 994 mm
Drawer dimensions	565 x 405 mm
Drawers height	5 x 74,5 mm - 2 x 153.5 mm
Drawer capacity	25 kg

C980/CC01

€ 1610,00

TOOL ROLLING CABINET WITH TOOLS

Tool rolling cabinet with tools with tool set: TM01/002, TM01/005, TM01/008, TM01/009, TM01/020, TM01/029, TM01/042.



72 Pcs

Included foam trays	TM01/002, TM01/005, TM01/008, TM01/009, TM01/020, TM01/029, TM01/042
Tool cabinet size	890 x 530 x 1030h mm
Drawer capacity	25 kg
Drawer dimensions	565 x 405 mm
Drawers height	3 x 50 mm - 3 x 105 mm - 1 x 165 mm

C960/CC01

€ 1130,00

TOOL ROLLING CABINET WITH TOOLS

Tool rolling cabinet with tools with tool set: TM01/002, TM01/010, TM01/012, TM01/014, TM01/016, TM01/018, TM01/023, TM01/025, TM01/030, TM01/033, TM01/042.



159 Pcs

Included foam trays	TM01/002, TM01/010, TM01/012, TM01/014, TM01/016, TM01/018, TM01/023, TM01/025, TM01/030, TM01/033, TM01/042
Tool cabinet size	890 x 475 x 1015h mm
Drawer capacity	25 kg
Drawer dimensions	5640x 405 mm
Drawers height	5 x 65 mm - 2 x 145 mm

C900/CC01

€ 686,00

TOOL ROLLING CABINET WITH TOOLS

Tool rolling cabinet with tools with tool set: TM01/001, TM01/012, TM01/014, TM01/020, TM01/022, TM01/024, TM01/042.



113 Pcs

Included foam trays	TM01/001, TM01/012, TM01/014, TM01/020, TM01/022, TM01/024, TM01/042
Tool cabinet size	685 x 455 x 850h mm
Drawer capacity	25 kg
Drawer dimensions	585 x 410 mm
Drawers height	2 x 45 mm - 2 x 100 mm - 2 x 150 mm

**C960/AM01**

€ 1130,00

TOOL ROLLING CABINET WITH AUTOMOTIVE TOOLS

142 Pcs

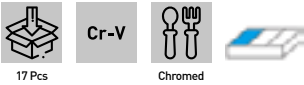
Tool cabinet size	890 x 475 x 1015h mm
Drawer capacity	25 kg
Drawer dimensions	565 x 405 mm
Drawers height	5 x 65 mm - 2 x 145 mm



TM01/001 € 57,90

COMBINATION SPANNER SET IN FOAM TRAY

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a cnc machine with a set of tools

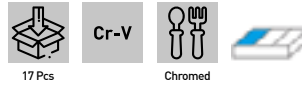


Dimensions 188 x 405 x 33 mm
Sizes 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 mm
Included items 0224/..

TM01/002 € 119,00

COMBINATION SPANNER SET IN FOAM TRAY

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a cnc machine with a set of tools



Dimensions 188 x 405 x 33 mm
Sizes 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 mm
Included items 0208/..

TM01/005 € 60,80

OPEN END WRENCHES SET IN FOAM TRAY

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a cnc machine with a set of tools

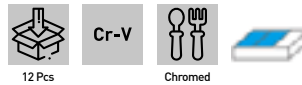


Dimensions 376 x 405 x 33 mm
Sizes 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 - 21x23 - 24x26 - 25x28 - 30x32 mm
Included items 0222/..

TM01/006 € 92,10

OPEN END WRENCHES SET IN FOAM TRAY

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a cnc machine with a set of tools

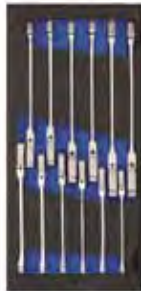
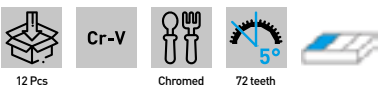


Dimensions 376 x 405 x 33 mm
Sizes 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 - 21x23 - 24x26 - 25x28 - 30x32 mm
Included items 0201/..

TM01/056 NEW € 193,00

FOAM TRAY WITH ART. 0690 RATCHET SPANNER SET 8-19MM

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a cnc machine with a set of tools. DIN 3113

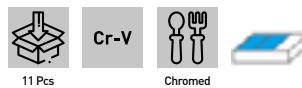


Dimensions 188 x 405 x 33 mm
Sizes 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm
Included items 0690/..

TM01/008 € 160,00

MALE T-HANDLE HEX WRENCH SET IN FOAM TRAY

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a CNC machine with a set of tools

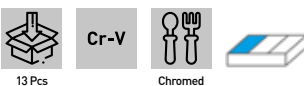


Dimensions 376 x 405 x 33 mm
Sizes 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 12 - 14 mm
Included items 0400/..

TM01/009 € 165,00

MALE T-HANDLE TORX WRENCH SET IN FOAM TRAY

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a cnc machine with a set of tools

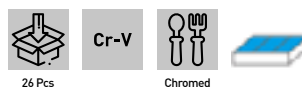


Dimensions 188 x 405 x 33 mm
Sizes T6 - T7 - T8 - T9 - T10 - T15 - T20 - T25 - T27 - T30 - T40 - T45 - T50
Included items 0405/..

TM01/010 € 250,00

T HANDLE MAGNETIC SWIVEL HEX SOCKET SET IN FOAM TRAY

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a cnc machine with a set of tools



Dimensions 565 x 405 x 33 mm
T handle 7 - 8 - 10 - 12 - 13 - 14 - 17 - 19 mm
Hex keys 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm
Torx Keys T10 - T15 - T20 - T25 - T27 - T30 - T40 - T45 - T50
Included items C395/.. - 0215 - 0220



TM01/011

€ 276,00

T HANDLE MAGNETIC SWIVEL HEX SOCKET SET IN FOAM TRAY

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a cnc machine with a set of tools



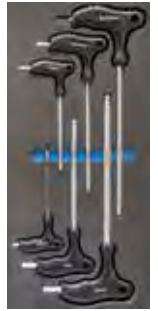
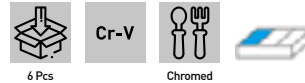
Dimensions	565 x 405 x 33 mm
T handle	7 - 8 - 10 - 12 - 13 - 14 - 17 - 19 mm
Hex keys	1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm
Torx Keys	T10 - T15 - T20 - T25 - T27 - T30 - T40 - T45 - T50
Included items	C391/.. - 0215 - 0220

TM01/012

€ 46,10

TWO WAY HEX KEY WITH ANATOMIC PLASTIC HANDLE SET IN FOAM TRAY

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a cnc machine with a set of tools



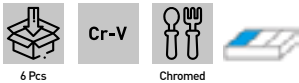
Dimensions	188 x 405 x 33 mm
Sizes	3 - 4 - 5 - 6 - 8 mm
Included items	0856/..

TM01/014

€ 46,10

TWO WAY TORX KEY WITH ANATOMIC PLASTIC HANDLE SET IN FOAM TRAY

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a CNC machine with a set of tools



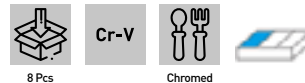
Dimensions	188 x 405 x 33 mm
Sizes	T10 - T15 - T20 - T25 - T30 - T40
Included items	0855/..

TM01/016

€ 40,20

FLAT SCREWDRIVER SET IN FOAM TRAY

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a cnc machine with a set of tools



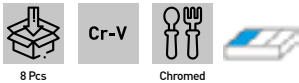
Dimensions	188 x 405 x 33 mm
Slotted screwdriver	3 x 75 - 4 x 100 - 5 x 125 - 6 x 150 - 8 x 150 - 6 x 38 mm
Electrician screwdriver	3 x 75 - 4 x 100 mm
Included items	C883/.. - C884/..

TM01/018

€ 46,10

CROSSTIP SCREWDRIVER SET IN FOAM TRAY

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a cnc machine with a set of tools



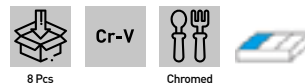
Dimensions	188 x 405 x 33 mm
Cross screwdriver	PH 1 x 75 - PH 2 x 100 - PH 3 x 150 - PH 2 x 38 mm
Cross screwdriver	PZ 1 x 75 - PZ 2 x 100 - PZ 3 x 150 - PZ 2 x 38 mm
Included items	C882/.. - C885/..

TM01/020

€ 41,20

MIXED SCREWDRIVER SET IN FOAM TRAY

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a cnc machine with a set of tools



Dimensions	188 x 405 x 33 mm
Slotted screwdriver	3 x 75 - 4 x 100 - 5 x 125 - 6 x 150 - 6 x 38 mm
Cross screwdriver	PH 1 x 75 - PH 2 x 100 - PH 2 x 38 mm
Included items	C882/.. - C884/..

TM01/044

PRO € 50,70

FLAT SCREWDRIVER SET WITH DIAMOND TIP IN FOAM TRAY

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a cnc machine with a set of tools



Dimensions	188 x 405 x 33 mm
Slotted screwdriver	4 x 75 - 4 x 100 - 5 x 125 - 6 x 150 - 8 x 150 - 6 x 38 mm
Electrician screwdriver	3 x 75 - 4 x 100 mm
Included items	D883/.. - D884/..

TM01/045

PRO € 57,30

CROSSTIP SCREWDRIVER SET WITH DIAMOND TIP IN FOAM TRAY

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a cnc machine with a set of tools



Dimensions	188 x 405 x 33 mm
Cross screwdriver	PH 1 x 75 - PH 2 x 100 - PH 3 x 150 - PH 2 x 38 mm
Cross screwdriver	PZ 1 x 75 - PZ 2 x 100 - PZ 3 x 150 - PZ 2 x 38 mm
Included items	D882/.. - D885/..

TM01/046 **PRO** € 51,30

MIXED SCREWDRIVER SET WITH DIAMOND TIP IN FOAM TRAY

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a cnc machine with a set of tools



Dimensions	188 x 405 x 33 mm
Slotted screwdriver	3 x 75 - 4 x 100 - 5 x 125 - 6 x 150 - 6 x 38 mm
Cross screwdriver	PH 1 x 75 - PH 2 x 100 - PH 2 x 38 mm
Included items	D882/.. - D884/..

TM01/053 **PRO** € 258,00

ADDITIONAL TOOLS SERIES FOR AUTOMOTIVE IN FOAM TRAY

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a CNC machine with a set of tools

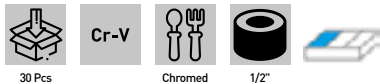


Dimensions	565 x 405 x 33 mm
Included items	L002/250 - 0136 - 0370/8 - 0368/10 - 0432 - 0209

TM01/022 € 219,00

HEXAGONAL HAND SOCKET SET IN FOAM TRAY

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a cnc machine with a set of tools



Dimensions	188 x 405 x 33 mm
Socket	8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 25 - 26 - 27 - 28 - 29 - 30 - 32 mm
Extension bars	75 - 250 mm
Adapter	Female 1/2", Male 3/8"
Universal joints	46 mm
Sliding T-bar	300 mm
Included items	BN4E3N0.. - CN450N1/2A

TM01/023 € 214,00

BI-HEXAGONAL HAND SOCKET SET IN FOAM TRAY

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a cnc machine with a set of tools

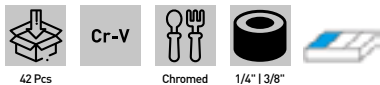


Dimensions	188 x 405 x 33 mm
Socket	8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 25 - 26 - 27 - 28 - 29 - 30 - 32 mm
Extension bars	75 - 250 mm
Adapter	Female 1/2", Male 3/8"
Universal joints	46 mm
Sliding T-bar	300 mm
Included items	BN4P3N0.. - CN450N1/2A

TM01/024 € 222,00

HEXAGONAL HAND SOCKET SET IN FOAM TRAY

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a cnc machine with a set of tools



Dimensions	188 x 405 x 33 mm
1/4" Dr. sockets	4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 mm
3/8" Dr. sockets	7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 mm
Included items	BN4E5N0.. - BN4E4N0.. - CN450N1/4A - CN450N3/8A - JN40.. - LN400N.. - PN405N.. - PN404N.. - BN4C4L..

TM01/025 € 218,00

BI-HEXAGONAL HAND SOCKET SET IN FOAM TRAY

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a CNC machine with a set of tools.



Dimensions	188 x 405 x 33 mm
1/4" Dr. sockets	4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 mm
3/8" Dr. sockets	7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 mm
Included items	BN4P5N0.. - BN4P4N0.. - CN450N1/4A - CN450N3/8A - JN40.. - LN400N.. - PN405N.. - PN404N.. - BN4C4L..

TM01/026 **PRO** € 44,10

INSULATED SCREWDRIVER SET IN FOAM TRAY

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a cnc machine with a set of tools



Dimensions	188 x 405 x 33 mm
Slotted insulated screwdriver	3 x 100 - 4 x 100 - 5,5 x 125 - 6,5 x 150 mm
Cross insulated screwdriver	PH 0 x 60 - PH 1 x 80 - PH 2 x 100 mm
Included items	CI82/.. - CI83/.. - 0013/142

TM01/027 € 58,80

NUT DRIVER SET IN FOAM TRAY

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a cnc machine with a set of tools



Dimensions	188 x 405 x 33 mm
Sizes	5,5 - 6 - 7 - 8 - 10 - 12 - 13 mm
Included items	CB01/..

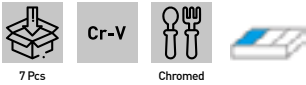


TM01/028

€ 70,60

NUT DRIVER SET IN FOAM TRAY

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a cnc machine with a set of tools



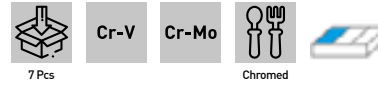
Dimensions	188 x 405 x 33 mm
Sizes	5,5 - 6 - 7 - 8 - 10 - 12 - 13 mm
Included items	CB02/..

TM01/029

€ 67,60

FLEXIBLE NUT DRIVER SET IN FOAM TRAY

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a cnc machine with a set of tools



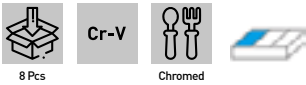
Dimensions	188 x 405 x 33 mm
Sizes	5,5 - 6 - 7 - 8 - 10 - 12 - 13 mm
Included items	CBF1/..
Dimensions	188 x 405 x 33 mm
Sizes	Ø2x140 - Ø3x150 - Ø4x180 - Ø5x220 - Ø6x210 - Ø7x210 - Ø8x220 mm
Included items	C015/..

TM01/030

€ 43,20

RING SPANNER SET IN FOAM TRAY

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a cnc machine with a set of tools



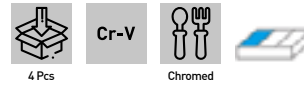
Dimensions	188 x 405 x 33 mm
Sizes	6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm
Included items	0476/..

TM01/031

€ 50,90

RING SPANNER SET IN FOAM TRAY

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a cnc machine with a set of tools



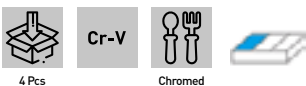
Dimensions	188 x 405 x 33 mm
Sizes	21x23 - 24x27 - 25x28 - 30x32 mm
Included items	0476/..

TM01/032

€ 50,90

COMBINATION SPANNER SET IN FOAM TRAY

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a cnc machine with a set of tools



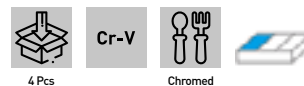
Dimensions	188 x 405 x 33 mm
Sizes	24 - 27 - 30 - 32 mm
Included items	0224/..

TM01/033

€ 71,50

COMBINATION SPANNER SET IN FOAM TRAY

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a cnc machine with a set of tools



Dimensions	188 x 405 x 33 mm
Sizes	24 - 27 - 30 - 32 mm
Included items	0208/..

TM01/035

€ 136,00

HEXAGONAL TUBULAR SOCKET AND FLARE NUT WRENCH SET IN FOAM TRAY

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a cnc machine with a set of tools



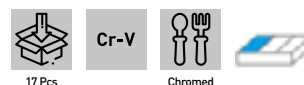
Dimensions	188 x 405 x 33 mm
Tubular sockets	6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm
Flare nit wrenches	100 - 6x7, 115 - 8x9, 130 - 10x11, 145 - 12x13, 160 - 14x15, 170 - 16x17, 185 - 18x19 - 205 - 20x22 mm
Included items	0442/.. - 01345

TM01/036

€ 77,40

HEXAGONAL TUBULAR SOCKET AND FLARE NUT WRENCH SET IN FOAM TRAY

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a cnc machine with a set of tools



Dimensions	188 x 405 x 33 mm
Tubular sockets	6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm
Flare nit wrenches	100 - 6x7, 115 - 8x9, 130 - 10x11, 145 - 12x13, 160 - 14x15, 170 - 16x17, 185 - 18x19 - 205 - 20x22 mm
Included items	0540/.. - 01345

TM01/037

PRO € 80,30

DRIFT PIN SET IN FOAM TRAY

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a cnc machine with a set of tools



Sizes	Ø2x140 - Ø3x150 - Ø4x180 - Ø5x220 - Ø6x210 - Ø7x210 - Ø8x220 mm
Included items	C015/..

TM01/038

€ 92,10

DRIFT PIN SET WITH HAMMER IN FOAM TRAY

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a cnc machine with a set of tools



Dimensions	188 x 405 x 33 mm
Pin punch	Ø2x150 - Ø3x150 - Ø4x150 - Ø5x150 - Ø6x150 - Ø7x150 - Ø8x150 mm
Center punches	4x120 - 5x150 mm
Chisel	18x150 - 21x200 - 25x250 mm
German hammer	400g
Included items	C012/.. - B006/.. - S022/.. - 0154/400DIN

TM01/042

PRO € 43,20

PLIER SET IN FOAM TRAY

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a cnc machine with a set of tools



Dimensions	188 x 405 x 33 mm
Combination plier	180 mm
Diagonal cutting nippers	160 mm
Bent long nose pliers	160 mm
Long nose pliers	160 mm
Included items	0873/U7 - 0873/BD6 - 0873/BC6 - 0873/TL

TM01/043

€ 185,00

HEXAGONAL IMPACT SOCKET SET IN FOAM TRAY

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a cnc machine with a set of tools



Dimensions	188 x 405 x 33 mm
Socket	10 - 11 - 12 - 13 - 14 - 16 - 17 - 18 - 19 - 21 - 22 - 23 - 24 mm
Extension bars	75 - 150 - 250 mm
Included items	BI4E3N.. - PI453..

TM01/050

€ 539,00

MEASURING INSTRUMENTS FOR AUTOMOTIV IN FOAM TRAY

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a cnc machine with a set of tools



Dimensions	565 x 405 x 33 mm
Included items	C033/150 - C004 - 0212 - C058 - F685 - T053 - 0446 - C070 - 0312

TM01/052

€ 503,00

PNEUMATIC SERIES FOR AUTOMOTIVE IN FOAM TRAY

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a CNC machine with a set of tools



Dimensions	565 x 405 x 33 mm
Included items	AP03 - BI4E3Nx - PI453150 - 0341 - JI403N - 0608

TM01/054

NEW € 19,60

EMPTY FOAM TRAY 2 SLOTS FOR A007/16 CABINET



TM01/055

NEW € 19,60

EMPTY FOAM TRAY 3 SLOTS FOR A007/16 CABINET



**TM01/100**

€ 19,60

EMPTY FOAM TRAY FOR SMALL ITEMS

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a cnc machine



Dimensions

188 x 405 x 33 mm

TM01/110

€ 29,40

EMPTY FOAM TRAY FOR SMALL ITEMS

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a cnc machine



Dimensions

376 x 405 x 33 mm

TM01/120

€ 39,20

EMPTY FOAM TRAY FOR SMALL ITEMS

Polyethylene foam tray with 4 layers in 2 colours: grey-blue milled with a cnc machine



Dimensions

564 x 405 x 33 mm



0105T

€ 303,00

TOOL TROLLEY WITH ACCESSORIES



162 Pcs



Box

Cr-V

Ball point hex key	1,5-2-2,5-3-4-5-6-8-10 mm
Screwdrivers	(-) 5 x 75 - 6 x 100 mm - (+) 1 x 75 - 2 x 100 mm
Electric tester	100 ÷ 250 V
Precision screwdrivers	(-) 2 x 140 - 2,4 x 140 - 3 x 140 - (+) 00 x 140 mm - 0 x 140 mm
Pliers	160 mm
Adjustable wrench	200 mm
Diagonal cutting nippers	160 mm
Long nose pliers	160 mm
Tower pincers	220 mm
Multipurpose scissors	175 mm
Punches and chisel	5
Snap ring pliers with 3 heads	1
Water pump pliers	240 mm
Combination spanner	8-10-11-12-13-15-17-19-21 mm
1/4" Dr. sockets	4-4,5-5-5,5-6-7-8-9-10-11-12-13-14 mm
1/2" Dr. sockets	12-13-14-15-16-17-18-19-21-24-27-30-32 mm
Sliding T-bar	1/4"
Universal joint	1/4" - 1/2"
1/4" Dr. socket-bars	50 mm - 100 mm
1/2" Dr. socket-bars	125 mm - 250 mm

3 way joint	1
Spark plug sockets sizes	16 mm - 21 mm
Ratchet handles	1/4" - 1/2"
File	200 mm
German hammer	300 g
Precision tape	5 m
Mini hacksaw	1
Blade	3
Aluminum flashlight	1
Crimping pliers	200 mm
Terminals	35
Utility knife	1
Level	300 mm
Vernier caliper	150 mm
Magnetic bit holder	1
Bits	30 - 1/4"
Ratchet bit handle	1
Male adapter 1/4" Dr. and 1/4" hex	1
Case size	470 x 350 x 135 mm
Net weight	12 kg

0110T

€ 256,00

TOOL BOX WITH TROLLEY, TOOLS AND ACCESSORIES



133 Pcs



Box

Cr-V

Ball point hex key	1,5-2-2,5-3-4-5-6-8 mm
Screwdrivers	(-) 3 x 75 - 5 x 75 - 6 x 100 - 8 x 150 mm - (+) 0 x 75 - 1 x 75
Precision screwdrivers	(-) 2,4 x 140 - (+) 00 x 140 mm - 0 x 140 mm
Pliers	180 mm
Slip joint pliers	150 mm
Diagonal cutting nippers	115 mm
Long nose pliers	150 mm
Wire stripper plier	160 mm
Scissors	200 mm
Water pump pliers	240 mm
Combination spanner	6-8-10-13-14-15-17-19 mm
1/4" Dr. sockets	4-5-6-7-8-9-10-11-12-13-14 mm
1/2" Dr. sockets	8-9-10-11-12-13-14-15-16-17-18-19-20-21-22 mm
Sliding T-bar	1/4"
Universal joint	1/4" - 1/2"
1/4" Dr. socket-bars	100 mm
1/2" Dr. socket-bars	250 mm
3 way joint	1

Spark plug sockets sizes	16 mm - 21 mm
Ratchet handles	1/4" - 1/2"
Flexible bar	1/4" - 145 mm
Bits holder socket	1/4"
German hammer	300 g
Precision tape	5 m
Mini hacksaw	1
Terminals	20
Utility knife	1
Blade	5
Level	300 mm
Socket handle	1/4"
Magnetic bit holder	1/4"
Bits	30 - 1/4"
Male adapter 1/4" Dr. and 1/4" hex	1
Case size	470 x 350 x 135 mm
Net weight	10 kg



0105

€ 259,00

TOOL BOX WITH ACCESSORIES



Cr-V



Ball point hex key	1,5-2-2,5-3-4-5-6-8-10 mm
Screwdrivers	(-) 5 x 75 - 6 x 100 mm - (+) 1 x 75 - 2 x 100 mm
Electric tester	100 ÷ 250 V
Precision screwdrivers	(-) 2 x 140 - 2,4 x 140 - 3 x 140 - (+) 00 x 140 mm - 0 x 140 mm
Pliers	160 mm
Adjustable wrench	200 mm
Diagonal cutting nippers	160 mm
Long nose pliers	160 mm
Tower pincers	220 mm
Multipurpose scissors	175 mm
Punches and chisel	5
Snap ring pliers with 3 heads	1
Water pump pliers	240 mm
Combination spanner	8-10-11-12-13-15-17-19-21 mm
1/4" Dr. sockets	4-4,5-5-5,5-6-7-8-9-10-11-12-13-14 mm
1/2" Dr. sockets	12-13-14-15-16-17-18-19-21-24-27-30-32 mm
Sliding T-bar	1/4"
Universal joint	1/4" - 1/2"
1/4" Dr. socket-bars	50 mm - 100 mm
1/2" Dr. socket-bars	125 mm - 250 mm
3 way joint	1

Spark plug sockets sizes	16 mm - 21 mm
Ratchet handles	1/4" - 1/2"
File	200 mm
German hammer	300 g
Precision tape	5 m
Mini hacksaw	1
Blade	3
Aluminum flashlight	1
Crimping pliers	200 mm
Terminals	35
Utility knife	1
Level	300 mm
Vernier caliper	150 mm
Magnetic bit holder	1
Bits	30 - 1/4"
Ratchet bit handle	1
Male adapter 1/4" Dr. and 1/4" hex	1
Case size	470 x 350 x 135 mm
Net weight	11,5 kg

0110

€ 211,00

TOOL BOX WITH ACCESSORIES



Cr-V

Ball point hex key	1,5-2-2,5-3-4-5-6-8 mm
Screwdrivers	(-) 3 x 75 - 5 x 75 - 6 x 100 - 8 x 150 mm - (+) 0 x 75 - 1 x 75 - 2 x 100 3 x 100 mm
Precision screwdrivers	(-) 2,4 x 140 - (+) 00 x 140 mm - 0 x 140 mm
Pliers	180 mm
Slip joint pliers	150 mm
Diagonal cutting nippers	115 mm
Long nose pliers	150 mm
Wire stripper plier	160 mm
Scissors	200 mm
Water pump pliers	240 mm
Combination spanner	6-8-10-13-14-15-17-19 mm
1/4" Dr. sockets	4-5-6-7-8-9-10-11-12-13-14 mm
1/2" Dr. sockets	8-9-10-11-12-13-14-15-16-17-18-19-20-21-22 mm
Sliding T-bar	1/4"
Universal joint	1/4" - 1/2"
1/4" Dr. socket-bars	100 mm
1/2" Dr. socket-bars	250 mm

3 way joint	1
Spark plug sockets sizes	16 mm - 21 mm
Ratchet handles	1/4" - 1/2"
Flexible bar	1/4" - 145 mm
Bits holder socket	1/4"
German hammer	300 g
Precision tape	5 m
Mini hacksaw	1
Terminals	20
Utility knife	1
Blade	5
Level	300 mm
Socket handle	1/4"
Magnetic bit holder	1/4"
Bits	30 - 1/4"
Male adapter 1/4" Dr. and 1/4" hex	1
Case size	470 x 350 x 135 mm
Net weight	9,5 kg

0399

€ 192,00

TOOL BOX WITH TOOLS AND ACCESSORIES

Durable case with ergonomic handle.



Ball point hex key	2-2,5-3-4-5-6-8-10 mm
Screwdrivers	(-) 5 x 75 - 6 x 100 mm - (+) 1 x 75 - 2 x 100 mm
Pliers	150 mm
Adjustable wrench	250 mm
Diagonal cutting nippers	150 mm
Long nose pliers	150 mm
Multipurpose scissors	150 mm
Water pump pliers	240 mm
Combination spanner	8-10-11-12-13-15-17 mm
1/4" Dr. sockets	4-4,5-5-5,5-6-7-8-9-10-11-12-13-14 mm
1/2" Dr. sockets	10-13-14-15-16-17-19-21-22 mm
Sliding T-bar	1/4"
Universal joint	1/4" - 1/2"
1/4" Dr. socket-bars	50 mm - 100 mm
1/2" Dr. socket-bars	125 mm - 250 mm
3 way joint	1
Spark plug sockets sizes	16 mm - 21 mm
Ratchet handles	1/4" - 1/2"
German hammer	300 g
Utility knife	1
Magnetic bit holder	1
Bits	30 - 1/4"
Ratchet bit handle	1
Male adapter 1/4" Dr. and 1/4" hex	1
Case size	450 x 360 x 120 mm
Net weight	7 kg



0434

€ 93,10

TOOL BOX WITH TOOLS AND ACCESSORIES



Ball point hex key	1,5-2-2,5-3-4-5-6-8-10 mm
Screwdrivers	(-) 5 x 75 - 6 x 100 mm - (+) 1 x 75 - 2 x 100 mm
Pliers	150 mm
Adjustable wrench	200 mm
Long nose pliers	150 mm
Water pump pliers	240 mm
Spark plug sockets sizes	16 mm - 21 mm
German hammer	300 g
Utility knife	1
Magnetic bit holder	1
Bits	30 - 1/4"
Ratchet bit handle	1
Precision tape	5 m
Case size	400 x 270 x 120 mm
Net weight	3 kg





0165

€ 255,00

TOOL BOX WITH ACCESSORIES

175 tools and accessories made of light chrome vanadium metal. Suitcase with wheels and extendable handle.



175 Pcs



Box

Cr-V

Ratchet handles	1/4" - 1/2"
1/2" Dr. spark plug sockets	16 mm - 21 mm
Gear Reduction ratio	1/2" (M) - 3/8" (F)
Ratchet bit handle	1/4"
1/4" Dr. sockets	4-4,5-5-5,5-6-7-8-9-10-11-12-13 mm
Spinner handle	1/4"
1/2" Dr. sockets	10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-27-30 mm
Sliding bars	1/4" - 1/2"
1/4" Dr. socket-bars	50 - 100 mm
Universal joints	1/4" - 1/2"
Flexible bar	1/4" - 150 mm
Ball point long nose hex key	1,5-2-2,5-3-4-5-6-8-10 mm
Electric tester	100 ÷ 250 V
Precision screwdrivers	(-) 1 - 1,4 - 1,8 - 2,4 - (+) 0 - 1
Pliers	200 - 180 - 160 mm
Adjustable wrench	200 mm
Water pump pliers	250 mm
Combination spanner	6-8-10-11-12-13-14-15-17-19 mm
German hammer	300 g
Precision tape	5 m
Mini hacksaw	1
Magnetic level	250 mm
Aluminum flashlight	1
Crimping pliers	200 mm
Terminals	50
Utility knife	1
Locking pliers	175 mm
PVC tape	1
Pickup tools with magnet	1
Vernier caliper	150 mm
Electrician screwdrivers	(-) 5 x 125 - 4 x 100 - (+) 3 x 75 mm
Screwdrivers	(-) 3 x 75 - 3 x 100 - 5 x 75 - 6 x 38 - 6 x 100 mm (+) 3 x 75 - 3 x 100 - 5 x 75 - 6 x 38 - 6 x 100 - 8 x 150 mm
Magnetic bit holder	1
Bits	25 - 1/4"
Plastic case size	500 x 440 x 200/270 mm trolley mm
Trolley	1
Net weight	15 kg



0315

€ 175,00

TOOL BOX WITH ACCESSORIES

Ergonomic suitcase handle.



132 Pcs



Box

Cr-V

Ball point hex key	1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm
Electric tester	100 ÷ 250 V
Precision screwdrivers	(-) 1 - 1,4 - 1,8 - 2,4 - (+) 0 - 1
Pliers	200 - 180 - 160 mm
Adjustable wrench	250 mm
Water pump pliers	250 mm
Combination spanner	6 - 8 - 10 - 11 - 12 - 13 - 14 - 15 - 17 - 19 mm
German hammer	300 g
Precision tape	5 m
Mini hacksaw	1
Magnetic level	250 mm
Aluminum flashlight	1
Crimping pliers	200 mm
Terminals	50
Utility knife	1
Locking pliers	175 mm
PVC tape	1
Pickup tools with magnet	1
Vernier caliper	150 mm
Electrician screwdrivers	(-) 5 x 125 - 4 x 100 - (+) 3 x 75 mm
Screwdrivers	(-) 3 x 75 - 3 x 100 - 5 x 75 - 6 x 38 - 6 x 100 mm (+) 3 x 75 - 3 x 100 - 5 x 75 - 6 x 38 - 6 x 100 - 8 x 150 mm
Magnetic bit holder	1
Bits	25 - 1/4"
Plastic case size	500 x 440 x 150 mm
Net weight	9 kg










PNEUMATICS

- p. 490  — Staplers and brad nailers
- p. 492  — Air impact wrenches
- p. 495  — Air die grinders
- p. 495  — Air belt sander
- p. 498  — Air guns
- p. 500  — Spray guns
- p. 503  — Air hose reel



SOLDERING IRONS, PAINT STRIPPERS AND HEAT GLUE GUNS

- p. 505  — Solderings
- p. 506  — Hot air guns
- p. 507  — Glue guns









EQUIPMENT FOR LIQUIDS AND FLUIDS

- p. 508  — Oilers
- p. 509  — Greaser guns
- p. 510  — Spray
- p. 513  — Tanks
- p. 513  — Pressure sprayers
- p. 514  — Pumps






HEATERS, LIGHTING AND LENSES

- p. 516  — Heaters
- p. 517  — LED Lights
- p. 518  — Lamps
- p. 520  — Magnifier lens
- p. 520  — Battery operated torches and lamps
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SAFETY AND ACCIDENT PREVENTION

- p. 526  — Detergents and sanitizers
- p. 527  — Gloves
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- p. 531  — First aid
- p. 533  — Noise-protection headphones
- p. 534  — Masks
- p. 535  — Shoes and boots

0149 € 30,60

HEAVY DUTY STAPLE GUN TACKER

With 500 staples and 500 nails



Blister

C586 **PRO** € 134,00

AIR BRAD NAILER



Carrying case

Loader capacity	120
Working pressure	5 - 7 bar
Dimensions	260 x 240 x 65 mm
Nails	F - 10 / 50 mm
Air inlet	1/4"
Net weight	1,3 kg

F588/6 **PRO** € 129,00

AIR BRADDER FOR MINI PINS



Carrying case

Loader capacity	195
Working pressure	5 - 7 bar
Dimensions	235 x 198 x 46 mm
Staples	0,60 - 12 / 25 mm
Air inlet	1/4"
Net weight	1 kg

F585 **PRO** € 139,00

2 IN 1 AIR STAPLER AND BRAD NAILER



Carrying case

Loader capacity	100
Working pressure	5 - 7 bar
Dimensions	255 x 230 x 67 mm
Nails	F - 10 / 50 mm
Staples	90 - 10 / 40 mm
Air inlet	1/4"
Net weight	1,4 kg

0587 € 94,80

AIR STAPLER



Carrying case

Loader capacity	100
Working pressure	5 - 7 bar
Dimensions	225 x 165 x 45 mm
Staples	80 - 6 / 16 mm
Air inlet	1/4"
Net weight	0,9 kg

0585 € 115,00

2 IN 1 AIR STAPLER AND BRAD NAILER



Carrying case

Loader capacity	80
Working pressure	5 - 7 bar
Dimensions	245 x 230 x 55 mm
Nails	F - 10 / 50 mm
Staples	90 - 10 / 40 mm
Air inlet	1/4"
Net weight	1,4 kg



0586 € 105,00

AIR BRAD NAILER



Carrying case

Loader capacity	110
Working pressure	5 - 7 bar
Dimensions	245 x 225 x 55 mm
Nails	F - 10 / 50 mm
Air inlet	1/4"
Net weight	1,5 kg

0588/6 € 89,50

AIR BRADDER FOR MINI PINS



Carrying case

Loader capacity	130
Working pressure	5 - 7 bar
Dimensions	225 x 170 x 45 mm
Staples	0,60 - 12 / 30 mm
Air inlet	1/4"
Net weight	1 kg

C589 € 76,60

AIR PALM NAILER



Box

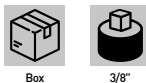
Working pressure	5 - 7 bar
Dimensions	111 x 115 x 70 mm
Nails	Ø 2.5 ÷ 4.1 - head Ø 6.3 ÷ 8.7 - length 38 ÷ 90 mm
Air inlet	1/4"
Net weight	0,5 kg



AP01 **PRO** € 238,00

AIR IMPACT WRENCH

Professional series. In composite material, handle and head in shockproof rubber. Operating lever, change of rotation and speed adjustment operated with one hand. High power and great reliability

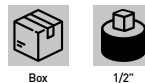


Speed	8500 rpm
Torque	542 Nm 400 lb-ft
Avg air cons.	108 l/min 3.8 SCFM
Working pressure	6 bar 90 psi
Air inlet	1/4"
Net weight	1,2 kg

AP02 **PRO** € 247,00

AIR IMPACT WRENCH

Professional series. In composite material, handle and head in shockproof rubber. Operating lever, change of rotation and speed adjustment operated with one hand. High power and great reliability



Speed	7800 rpm
Torque	678 Nm 500 lb-ft
Avg air cons.	136 l/min 4.8 SCFM
Working pressure	6 bar 90 psi
Air inlet	1/4"
Net weight	1,2 kg

AP03 **PRO** € 255,00

AIR IMPACT WRENCH

Professional series. In composite material, handle and head in shockproof rubber. Operating lever, change of rotation and speed adjustment operated with one hand. High power and great reliability



Speed	7300 rpm
Torque	1085 Nm 800 lb-ft
Avg air cons.	153 l/min 5.4 SCFM
Working pressure	6 bar 90 psi
Air inlet	1/4"
Net weight	2 kg

AP04 **PRO** € 265,00

AIR IMPACT WRENCH

Professional series. In composite material, handle and head in shockproof rubber. Operating lever, change of rotation and speed adjustment operated with one hand. High power and great reliability



Speed	7300 rpm
Torque	1085 Nm 800 lb-ft
Avg air cons.	153 l/min 5.4 SCFM
Working pressure	6 bar 90 psi
Air inlet	1/4"
Net weight	2,1 kg



AP05 **PRO** € 617,00

AIR IMPACT WRENCH

Professional series. In composite material, handle and head in shockproof rubber. Operating lever, change of rotation and speed adjustment operated with one hand. High power and great reliability

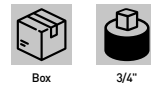


Speed	5300 rpm
Torque	1900 Nm 1400 lb-ft
Avg air cons.	224 l/min 8.1 SCFM
Working pressure	6 bar 90 psi
Air inlet	3/8"
Net weight	3,3 kg

AP05/150 **PRO** € 741,00

AIR IMPACT WRENCH

With 150mm Anvil professional series. In composite material, handle and head in shockproof rubber. Operating lever, change of rotation and speed adjustment operated with one hand. High power and great reliability.

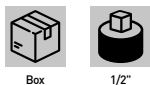


Speed	5300 rpm
Torque	1900 Nm 1400 lb-ft
Avg air cons.	224 l/min 8.1 SCFM
Working pressure	6 bar 90 psi
Air inlet	3/8"
Net weight	4 kg

AP06 **PRO** € 238,00

AIR IMPACT WRENCH

Professional series. In composite material, handle and head in shockproof rubber. Operating lever, change of rotation and speed adjustment operated with one hand. High power and great reliability



Speed	9000 rpm
Torque	312 Nm 230 lb-ft
Avg air cons.	113 l/min 4 SCFM
Working pressure	6 bar 90 psi
Air inlet	1/4"
Net weight	1,1 kg

0573 € 119,00

AIR IMPACT WRENCH



Speed	10000 rpm
Torque	244 Nm
Avg air cons.	4 SCFM (120 l/min)
Working pressure	6 bar 90 psi
Air inlet	1/4"
Net weight	1,5 kg

0571 € 162,00

AIR IMPACT WRENCH



Speed	7000 rpm
Torque	610 Nm
Avg air cons.	5 SCFM (150 l/min)
Working pressure	6 bar / 90 psi
Air inlet	1/4"
Net weight	2,6 kg

0576 € 171,00

AIR IMPACT WRENCH



Speed	7000 rpm
Torque	435 Nm
Avg air cons.	5 SCFM (150 l/min)
Working pressure	6 bar / 90 psi
Shank	1/4"
Net weight	2,5 kg

0786 € 287,00

AIR IMPACT WRENCH



Speed	4200 rpm
Torque	950 Nm
Avg air cons.	8 SCFM (240 l/min)
Working pressure	6 bar / 90 psi
Air inlet	1/4"
Net weight	4,8 kg

0044 € 94,80

AIR IMPACT WRENCH SET

With 10 wrenches, a wrench extension, 1/4" nozzle



Speed	7000 rpm
Torque	320 Nm
Socket	9-10-11-13-14-17-19-22-24-27 mm
Extension	125 mm
Avg air cons.	5 SCFM (150 l/min)
Working pressure	6 bar/90 psi
Sound pressure level	84,4 ± 2,94 dB(A)
Level vibration transmitted to hand-arm	8.53 ± 2.05 m/s ²
Air inlet	1/4"
Net weight	4 kg

0045 € 56,90

AIR IMPACT WRENCH



Speed	7000 rpm
Torque	320 Nm
Avg air cons.	5 SCFM (150 l/min)
Working pressure	6 bar / 90 psi
Air inlet	1/4"
Net weight	2,3 kg

0052 € 134,00

AIR IMPACT WRENCH



Speed	4800 rpm
Torque	680 Nm
Avg air cons.	6 SCFM (180 l/min)
Working pressure	6 bar / 90 psi
Air inlet	1/4"
Net weight	4,7 kg



0413 € 30,80

MINI AIR DIE GRINDER

Collet 3mm and 6mm. Revolving rear air outlet. Body frame made from composite material.



Box

Pliers	Ø 3 mm - Ø 6 mm
Speed	25000 rpm
Avg air cons.	4 SCFM (113 l/min)
Working pressure	6 bar / 90 psi
Air inlet	1/4"
Net weight	0,4 kg

0416 € 54,80

90° AIR DIE GRINDER

Collet Ø 3mm - Ø 6mm. Revolving rear air outlet.



Box

Pliers	Ø 3 mm - Ø 6 mm
Speed	20000 rpm
Avg air cons.	4 SCFM (113 l/min)
Working pressure	6 bar / 90 psi
Air inlet	1/4"
Net weight	0,5 kg

0418 € 53,70

REVERSIBLE AIR DRILL

Chuck 10 Ø mm , with rear exhaust 360°, composite body design



Box

Chuck sizes	Ø 10 mm
Speed	1800 rpm
Avg air cons.	4 SCFM (113 l/min)
Working pressure	6 bar / 90 psi
Air inlet	1/4"
Net weight	0,9 kg

0414 € 35,20

AIR DIE GRINDER

3mm and 6mm, with rear exhaust 360°, exclusive composite body design.



Box

Pliers	Ø 3 mm - Ø 6 mm
Speed	22000 rpm
Avg air cons.	7 SCFM (198 l/min)
Working pressure	6 bar / 90 psi
Air inlet	1/4"
Net weight	0,6 kg

0417 € 60,50

LONG TYPE AIR DIE GRINDER

3 and 6mm pincers, with rear exhaust 360°, exclusive composite body design.



Box

Pliers	Ø 3 mm - Ø 6 mm
Length	295 mm
Speed	20000 rpm
Avg air cons.	4 SCFM (113 l/min)
Working pressure	6 bar / 90 psi
Air inlet	1/4"
Net weight	0,6 kg

0419 € 90,60

6" AIR ORBIT SANDER WITH SUCTION

And speed control, hook & loop pad, 360° rear exhaust, die cast aluminum body with soft handle grip in lightweight and ergonomic design



Box

Disc diameter	150 mm - 6"
Orbit	5 mm, 3/16"
Speed	10500 rpm MAX.
Avg air cons.	3 SCFM (85 l/min)
Working pressure	6 bar / 90 psi
Air inlet	1/4"
Length	200 mm
Net weight	1 kg

0421 € 98,60

6" AIR ORBIT SANDER WITH SELF-INTEGRATED SUCTION

Speed control, hook & loop pad, 360° rear exhaust, die cast aluminum body with soft handle grip in lightweight and ergonomic design, corrugated hose and dust bag



Box

Disc diameter	150 mm - 6"
Orbit	5 mm, 3/16"
Speed	10500 rpm
Avg air cons.	3 SCFM (85 l/min)
Working pressure	6 bar / 90 psi
Air inlet	1/4"
Length	200 mm
Net weight	1 kg

0460 € 107,00

6" AIR ORBIT SANDER WITH SELF-INTEGRATED SUCTION

Speed adjustable, revolving rear air outlet, aluminum body, soft and ergonomic handle, Suction tube and dust collection bag.



Box

Disc diameter	150 mm - 6"
Orbit	2,5 mm - 3 / 32"
Max speed	10500 rpm
Avg air cons.	3 SCFM (85 l/min)
Working pressure	6 bar / 90 psi
Air inlet	1/4"
Length	200 mm
Net weight	1 kg

0047 € 72,30

REVERSIBLE AIR SCREWDRIVER



Box



1/4"

Speed	9000 rpm
Screw	4-5 mm
Torque	2,3 - 6,8 Nm
Length	180 mm
Avg air cons.	5 SCFM (150 l/min.)
Working pressure	6 bar / 90 psi
Air inlet	1/4"
Net weight	0,8 kg

0458 € 90,60

6" AIR ORBIT SANDER WITH SUCTION

Speed control, 2.5mm orbit, hook & loop pad, 360° rear exhaust, die cast aluminum body with soft handle grip in lightweight and ergonomic design.



Box

Disc diameter	150 mm - 6"
Orbit	2,5 mm - 3 / 32"
Max speed	10500 rpm
Avg air cons.	3 SCFM (85 l/min)
Working pressure	6 bar / 90 psi
Air inlet	1/4"
Length	200 mm
Net weight	1 kg

0046 € 89,50

AIR RATCHET WRENCH SET

With 7 sockets, a fixed 75 mm extension for sockets, a 75 mm extension with joint for sockets, 1/4" nozzle, three screwdriver bits and a fixed 75 mm extension for screwdriver bits.



16 Pcs



Carrying case



1/2"

Speed	160 rpm
Torque	65 Nm
Socket	9-10-11-13-14-17-19 mm
Extension	75 mm
Universal joint	1/2"
Bit holder	1/4"
Avg air cons.	4 SCFM (120 l/min.)
Working pressure	6 bar / 90 psi
Air inlet	1/4"
Net weight	2,6 kg



0339 € 73,80

REVERSIBLE AIR DRILL



Box

Chuck sizes	Ø 10 mm
Speed	1800 rpm
Avg air cons.	5 SCFM (150 l/min.)
Working pressure	6 bar / 90 psi
Air inlet	1/4"
Net weight	1,1 kg



0574

€ 98,20

REVERSIBLE AIR DRILL



Box

Chuck sizes	Ø 10 mm
Speed	1800 rpm
Avg air cons.	5 SCFM (150 l/min)
Working pressure	6 bar / 90 psi
Air inlet	1/4"
Net weight	1 kg

0313

€ 101,00

5" AIR ANGLE DIE GRINDER



Box

Saw blade	Ø 125 mm
Speed	10000 rpm
Avg air cons.	5 SCFM (150 l/min)
Working pressure	6 bar / 90 psi
Air inlet	1/4"
Net weight	2 kg

0050

€ 43,30

AIR DIE GRINDER SET



13 Pcs



Carrying case

Pliers	Ø 3 mm - Ø 6 mm	Working pressure	6 bar / 90 psi
Mounted stone	10 Pcs / Pcs	Air inlet	1/4"
Speed	22000 rpm	Net weight	1,2 kg
Avg air cons.	4 SCFM (120 l/min.)		

0051

€ 29,50

AIR DIE GRINDER



Box

Pliers	Ø 3 mm - Ø 6 mm
Speed	22000 rpm
Avg air cons.	4 SCFM (120 l/min.)
Working pressure	6 bar / 90 psi
Air inlet	1/4"
Net weight	0,8 kg

0570

€ 99,30

AIR DIE GRINDER SET

With 10 clips, 2 pliers, 1 nozzle for connecting the feeding tube



14 Pcs



Carrying case

Pliers	Ø 3 mm - Ø 6 mm
Mounted stone	10 Pcs
Speed	21000 rpm
Power	0,45 hp
Avg air cons.	5 SCFM (150 l/min.)
Working pressure	6 bar / 90 psi
Sound pressure emitted in atmosphere	77.9 ± 3.0 dB(A)
Air inlet	1/4"
Net weight	1 kg

0115

€ 55,30

AIR DIE GRINDER



Box

Pliers	Ø 3 mm - Ø 6 mm
Speed	20000 rpm
Length	295 mm
Avg air cons.	4 SCFM (120 l/min.)
Working pressure	6 bar / 90 psi
Air inlet	1/4"
Net weight	0,7 kg

0641 € 63,30

FLEXIBLE PNEUMATIC MICROGRINDING WHEEL

For grinding and chamfering



Collet capacity	3 mm
Speed	56000 rpm
Avg air cons.	2 SCFM (60 l/min.)
Working pressure	6 bar / 90 psi
Air inlet	1/4"
Net weight	0,7 kg



0644 € 40,90

PNEUMATIC AXIAL GRINDING WHEEL



Saw blade	Ø 75 x 1,5 x Ø 10 mm	Working pressure	6 bar / 90 psi
Speed	15000 rpm	Air inlet	1/4"
Avg air cons.	5 SCFM (150 l/min.)	Net weight	0,7 kg



0049 € 8,80

OILER

For pneumatic tools



W021PG € 18,10

TYRE INFLATING GUN



Max. pressure	12 bar (170 psi)
Working pressure	2 - 4 bar (30 - 60 psi)
Accuracy	±1%
Rubber hose length	440 mm
Air inlet	1/4"



0784 € 74,30

AIR BELT SANDER

With spare belts. Light metal body

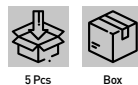


Speed	16000 rpm	Belt	10 x 330 mm
Avg air cons.	6 SCFM (180 l / min.)	Air inlet	1/4"
Working pressure	6 bar / 90 psi	Net weight	0,9 kg



0059 € 34,60

HEAVY DUTY AIR HAMMER WITH 4 HEXAGONAL CHISELS



Speed	BPM 3500	Working pressure	6 bar / 90 psi
Bore-stroke	19 x 66 mm / 3/4" x 2 5/8"	Air inlet	1/4"
Avg air cons.	4,5 SCFM (135 l/min)	Net weight	1,5 kg



W021PA € 7,10

BLOW GUN



Nozzle	2.0 mm
Working pressure	2 - 6 bar
Air inlet	1/4"



W021PN € 14,90

WASHING GUN

With aluminium body and steel cup



Capacity	900 ml
Nozzle	4.5 mm
Working pressure	3 - 4 bar
Air inlet	1/4"





0607 € 6,50

BLOW GUN



Nozzle	2.0 mm
Working pressure	4-6 bar
Air inlet	1/4"



0125 **PRO** € 37,40

DIGITAL TYRE GAUGE

With backlight and various measurement units. equipped with tyre valve screwdriver



Max. pressure	8 bar (110 psi)
Working pressure	2 - 4 bar (30 - 60 psi)
Reading	0,05 bar 0,7 psi
Not included batteries	2 x 1.5V AAA
Rubber hose length	80 mm
Air inlet	1/4"



0608 € 18,30

TYRE INFLATING GUN



Manometer	Ø 63 mm
Reading	0÷12 bar 0÷174 psi
Rubber hose length	420 mm
Air inlet	1/4"



0610 € 15,00

WASHING GUN



Capacity	1000 cc
Air inlet	1/4"



0609 **PRO** € 44,80

TYRE INFLATING GUN



Manometer	Ø 70 mm
Reading	0÷12 bar 0÷174 psi
Rubber hose length	1000 mm
Air inlet	1/4"



0725 € 6,70

BLOW GUN



Hose length	100 mm
Air inlet	1/4"



0725L € 9,10

LONG NOSE BLOW GUN



Hose length	275 mm
Air inlet	1/4"



0412 € 10,80

BLOW GUN

High quality, with chromed steel 100mm nozzle gun body in POM plastic (Polyoxymethylene) brass valve.



Hose length	100 mm
Air inlet	1/4"



TH601A **PRO** € 151,00

GRAVITY FEED SPRAY GUN

600ml feed HVLP spray gun, nylon gravity cup, made with CNC machine, without O-ring, with stainless steel nozzle and needle, brass air cap, alum clamp and knobs. HVLP = high volume, low pressure.



Capacity	600 ml
Nozzle diameter	1,3 mm
Fluid delivery	130 ml/min
Working pressure	2 bar (29 PSI)
Working range	200 mm
Pattern	280 - 300 mm
Air inlet	1/4"
Net weight	0,5 kg



TH602A **PRO** € 123,00

GRAVITY FEED SPRAY GUN

100ml feed HVLP spray gun, nylon gravity cup, made with CNC machine, without O-ring, with stainless steel nozzle and needle, brass air cap, alum clamp and knobs, male thread fitting 1/4" HVLP = high volume, low pressure.



Capacity	100 ml
Nozzle diameter	1,0 mm
Fluid delivery	50 ml/min
Working pressure	1,5 bar (20 PSI)
Working range	150 mm
Pattern	160 mm
Air inlet	1/4"
Net weight	0,3 kg



TH901A **PRO** € 151,00

GRAVITY FEED SPRAY GUN

600ml feed LVMP spray gun, nylon gravity cup, made with CNC machine, without O-ring, with stainless steel nozzle and needle, brass air cap, alum clamp and knobs. LVMP = low volume, medium pressure.



Capacity	600 ml
Nozzle diameter	1,3 mm
Fluid delivery	140 ml/min
Working pressure	2 ÷ 2,2 bar (29 ÷ 32 PSI)
Working range	200 mm
Pattern	270 - 300 mm
Air inlet	1/4"
Net weight	0,5 kg



A601DS € 101,00

SUCTION SPRAY GUN

1000ml suction HVLP spray gun with baionet lock, aluminum cup, made with CNC machine, without O-ring, with stainless steel nozzle and needle brass air cap, alum clamp and knobs. HVLP = high volume, low pressure.



Nozzle	Ø 1,4mm
Capacity	1000 cc
Working pressure	2,5 - 3 bar
Air inlet	1/4"
Net weight	1,1 kg



A601A € 97,10

GRAVITY FEED SPRAY GUN

600ml feed HVLP spray gun, nylon gravity cup, made with CNC machine, without O-ring, with stainless steel nozzle and needle brass air cap, blue color alum clamp and knobs. HVLP = high volume, low pressure.



Nozzle	Ø 1,4mm
Capacity	600 cc
Working pressure	2,5 - 3,5 bar
Air inlet	1/4"
Net weight	1 kg



A602A € 62,80

GRAVITY FEED SPRAY GUN

100ml feed HVLP spray gun, nylon gravity cup, made with CNC machine, without O-ring, with stainless steel nozzle and needle brass air cap, blue color alum clamp and knobs. HVLP = high volume, low pressure.



Nozzle	Ø 1,0mm
Capacity	100 cc
Working pressure	2 - 2,5 bar
Air inlet	1/4"
Net weight	0,5 kg





A901A € 95,40

GRAVITY FEED SPRAY GUN

600ml feed LVMP spray gun, nylon gravity cup, made with CNC machine, without O-ring, with stainless steel nozzle and needle, brass air cap, blue color alum clamp and knobs. LVMP = low volume, medium pressure.



Capacity	600 ml
Nozzle diameter	1,4 mm
Fluid delivery	200-380 ml/min
Max. pressure	2-3 bar (30-43 PSI)
Air inlet	1/4"
Net weight	0,6 kg



A902A € 64,00

GRAVITY FEED SPRAY GUN

100ml feed LVMP spray gun, nylon gravity cup, made with CNC machine, without O-ring, with stainless steel nozzle and needle brass air cap, blue color alum clamp and knobs. 1/4" LVMP = low volume, medium pressure.



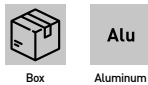
Capacity	100 ml
Nozzle diameter	1 mm
Fluid delivery	45 - 65 ml/min
Max. pressure	1.5 - 2.5 bar (22 - 36 PSI)
Air inlet	1/4"
Net weight	0,3 kg



A162DS € 38,30

SPRAY GUN WITH FLUID CUP PROVIDED WITH BAYONET LOCK

Aluminum cover



Nozzle	Ø 1,8 mm
Capacity	1000 cc
Working pressure	4-8 bar
Air consumption	100-200 l/min
Air inlet	1/4"
Net weight	0,9 kg



A162C € 27,20

SPRAY GUN WITH FLUID CUP PROVIDED WITH RAPID LOCK

Aluminum cover



Nozzle	Ø 1,8 mm
Capacity	1000 cc
Working pressure	4-8 bar
Air consumption	100-200 l/min
Air inlet	1/4"
Net weight	0,8 kg



A162A € 23,00

SPRAY GUN WITH GRAVITY FLOW CUP



Nozzle	Ø 1,8 mm
Capacity	500 cc
Working pressure	4-8 bar
Air consumption	100-200 l/min
Net weight	0,5 kg



0048 € 17,40

MINI SPRAY GUN

Fitting for pressurized air container and 1/4" fitting for air compressor



TH250 € 15,40

PRESSURE REGULATOR

With gauge for air tools



Blister

Manometer	Ø 40 mm
Reading	0÷11 bar 0÷160 psi

TH500 € 26,90

PRESSURE REGULATOR

With gauge for air tools



Blister

Manometer	Ø 30 mm
Reading	0÷10 bar 0÷145 psi

0777/2 € 38,60

REDUCER WITH GAUGE AND FILTER



Box

Shank	1/4" - 3/8" - 1/2"
Reading	0÷10 bar 0÷140 psi

0777/3 € 68,50

REDUCER WITH GAUGE, FILTER AND OILER



Box

Shank	1/4" - 3/8" - 1/2"
Reading	0÷10 bar 0÷140 psi

0785-XM

SET 2 PCS UNIVERSAL MALE QUICK COUPLER



Blister

Art.	€	Shank
0785/1M	€ 10,00	1/4"
0785/2M	€ 10,00	3/8"

0785-XF

SET 2 PCS UNIVERSAL FEMALE QUICK COUPLER



Blister

Art.	€	Shank
0785/1F	€ 10,00	1/4"
0785/2F	€ 10,00	3/8"

0783-XM

SET 2 PCS OF GERMAN TYPE MALE PLUG



Blister



Steel



Nickel plated

Art.	€	Shank
0783/1M	€ 2,84	1/4"
0783/2M	€ 2,84	3/8"

0783-XF

2 PCS SET GERMAN TYPE FEMALE PLUG



Blister



Steel



Nickel plated

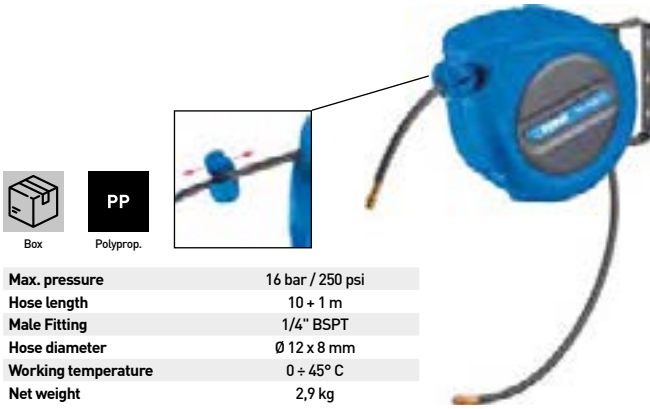
Art.	€	Shank
0783/1F	€ 2,62	1/4"
0783/2F	€ 2,62	3/8"



A481/10 **PRO NEW** € 73,40

AUTO REWIND AIR HOSE REEL

Made of polypropylene shell, with polyurethane mesh hose and regulation for distributing evenly the tube in the internal part, tools free adjustable stop ball and 180° swivel mount bracket

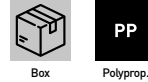
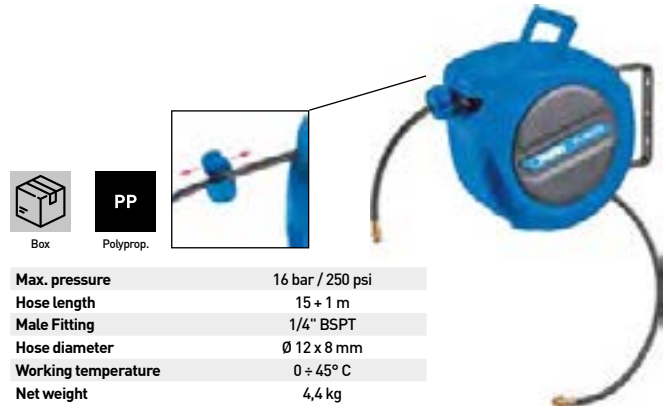


Max. pressure	16 bar / 250 psi
Hose length	10 + 1 m
Male Fitting	1/4" BSPT
Hose diameter	Ø 12 x 8 mm
Working temperature	0 ÷ 45° C
Net weight	2,9 kg

A481/15 **PRO NEW** € 113,00

AUTO REWIND AIR HOSE REEL

Made of polypropylene shell, with polyurethane mesh hose and regulation for distributing evenly the tube in the internal part, tools free adjustable stop ball and 180° swivel mount bracket

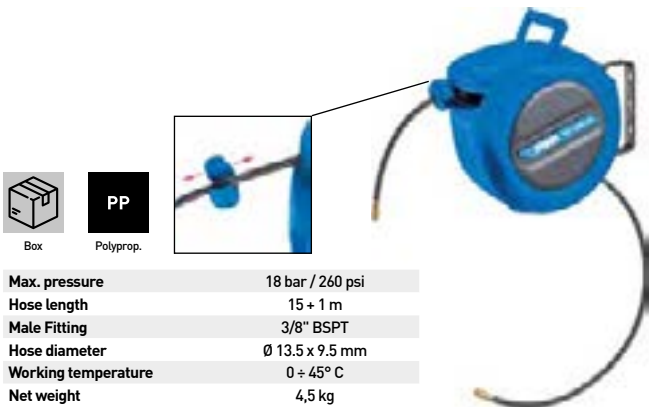


Max. pressure	16 bar / 250 psi
Hose length	15 + 1 m
Male Fitting	1/4" BSPT
Hose diameter	Ø 12 x 8 mm
Working temperature	0 ÷ 45° C
Net weight	4,4 kg

A481/15H **PRO NEW** € 134,00

AUTO REWIND AIR HOSE REEL

Made of polypropylene shell, with polyurethane mesh hose and regulation for distributing evenly the tube in the internal part, tools free adjustable stop ball and 180° swivel mount bracket

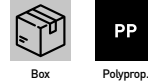
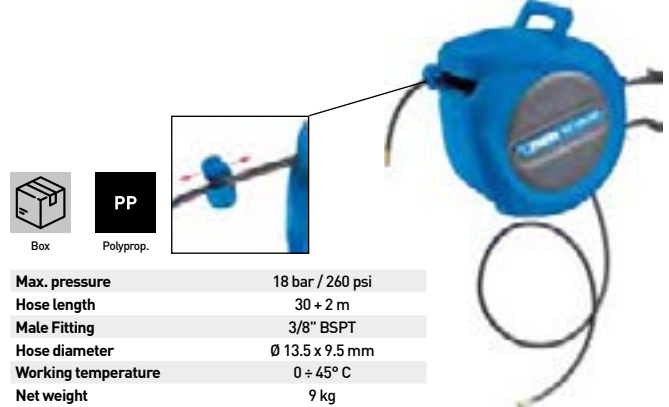


Max. pressure	18 bar / 260 psi
Hose length	15 + 1 m
Male Fitting	3/8" BSPT
Hose diameter	Ø 13.5 x 9.5 mm
Working temperature	0 ÷ 45° C
Net weight	4,5 kg

A481/30H **PRO NEW** € 200,00

AUTO REWIND AIR HOSE REEL

Made of polypropylene shell, with polyurethane mesh hose and regulation for distributing evenly the tube in the internal part, tools free adjustable stop ball, low speed retraction system and 180° swivel mount bracket



Max. pressure	18 bar / 260 psi
Hose length	30 + 2 m
Male Fitting	3/8" BSPT
Hose diameter	Ø 13.5 x 9.5 mm
Working temperature	0 ÷ 45° C
Net weight	9 kg

0378/1510 **PRO** € 166,00

AUTO REWIND AIR HOSE REEL

With pu mesh hose and regulation for distributing evenly the tube in the internal part



Max. pressure	18 bar / 260 psi
Hose length	15 + 1 m
Male Fitting	3/8" BSPT
Hose diameter	Ø 13,5 x 9,5 mm
Working temperature	0 ÷ 45° C
Net weight	5 kg

0481/15 € 127,00

AUTO REWIND AIR HOSE REEL

With pu mesh hose, german type female quick coupler, german type female plug and regulation for distributing evenly the tube in the internal part



Max. pressure	16 bar / 250 psi
Hose length	15 + 1 m
Male Fitting	1/4" BSPT
Hose diameter	Ø 12 x 8 mm
Working temperature	0 ÷ 45° C
Net weight	4,5 kg

0240/15

€ 150,00

AUTO REWIND AIR HOSE REEL

With pu mesh hose



Box

Max. pressure	16 bar / 250 psi
Hose length	15 m + 1m
Male Fitting	3/8" BSPT
Hose diameter	12 x 8 mm
Net weight	5 kg



S075-

POLYURETHANE SPIRAL HOSE WITH SWIVEL MALE FITTING

Art.	€	Length	Diameter	Thread
S075/08X5	€ 12,90	7,5 m	Ø 8 x 5 mm	1/4"
S075/10X6.5	€ 18,10	7,5 m	Ø 10 x 6,5 mm	1/4"
S100/08X5	€ 15,60	10 m	Ø 8 x 5 mm	1/4"
S100/10X6.5	€ 23,00	10 m	Ø 10 x 6,5 mm	1/4"
S100/12X8	€ 25,40	10 m	Ø 12 x 8 mm	1/4"





0793 € 20,20
WOOD-BURNING PEN SET WITH 6 PINS OF DIFFERENT SHAPE



Power 230 V 50 Hz 30 W

0031 € 32,90
HIGH PRECISION TEMPERATURE -CONTROLLED SOLDERING IRON STATION
 Adjustable temperature 150-420°C, iron tip with hole Ø 6 mm



Melting point 215°
 Working temperature 215 ÷ 300°C
 Max temperature 450°C
 Power 230 V, 50 Hz, 37 W

0027/40W € 14,40
SOLDERING IRON



Power 230 V 50 Hz 40 W
 Working temperature 450°C ± 10%

0037 € 19,60
SOLDERING IRON COMBINATION SET



Power 230V 50Hz 30W

0033A € 112,00 **PRO**
HIGH PRECISION TEMPERATURE -CONTROLLED SOLDERING IRON STATION
 Adjustable temperature 150-420°C, iron tip with hole Ø 6 mm



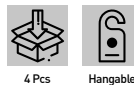
Melting point 215°
 Working temperature 215 ÷ 300°C
 Max temperature 420°C
 Power station supply 230 V 50 Hz
 Soldering power supply 24 V 48 W

0027/30W € 12,70
SOLDERING IRON

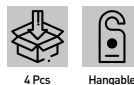


Power 230 V 50 Hz 30 W
 Working temperature 450°C ± 10%

0033A/TIP € 18,00
SOLDERING IRON TIP SET



0027/40W/TIP € 18,00
SOLDERING IRON TIP SET



0037/TIP € 16,00
SOLDERING IRON SPARE PART TIP
 Set of tips with hole Ø 6mm.





0864 € 45,00

GAS SOLDERING IRON

Tip and solder heads with protection cap and gas igniter



Blister

Dimensions 165 x 23 mm

0443 **PRO** € 56,30

FAST HEATING SOLDERING GUN

With adjustable temperature



Carrying case

Power 230V 50Hz 200W
Temperature 70 °C ÷ 500 °C

0694 € 44,60

HOT AIR GUN SET

At 2 temperatures, with spatula, scrapers and diffusers



10 Pcs



Carrying case

Temperature 300 °C - 600 °C
Air stream 500 l/min - 650 l/min
Power 230 V 50 Hz 1 - 2 kW

0865 € 63,50

ELECTRIC BARBECUE LIGHTER

Lights charcoal on the barbecue or in the fireplace completely without chemicals and matchsticks. 600°C heat generated and sets charcoal on fire in approx. 30 - 60 seconds



Box

Power 230 V, 50 Hz, 2000 W
Temperature 600 °C

0026 € 20,00

SOLDERING GUN

With tin and a spare pointer



Blister

Power 230 V 50 Hz 100 W

0024 € 30,10

HOT AIR GUN



Box

Temperature 300 °C - 500 °C
Air stream 280 l/min - 480 l/min
Power 230 V 50Hz 1,5 kW

0444 **PRO** € 84,00

DIGITAL HOT AIR GUN SET

With electronic temperature control, lcd display to show the temperature, 2 levels of air flow, ideal for heating, folding, bending, removing paint



6 Pcs



Box

ABS

Power 230 V, 50 Hz, 2000 W
Temperature I 70°C - II 70°C ÷ 600°C - III 70°C ÷ 600°C
Air stream I 300L/min - II 300L/min - III 500L/min

0441 € 69,90

HOT KNIFE FOR POLYSTYRENE WITH ADJUSTABLE TEMPERATURE

For polystyrene, plastic, foam and sponge, adjustable cutting length, metal stand



Box

Power 230 V, 50 Hz, 220 W
Temperature 120 - 220 - 330 - 400 - 450 °C
Cutting capacity with adjustment 20 ÷ 90 mm
Max cut 150 mm



0321 € 47,60

HOT KNIFE FOR POLYSTYRENE WITH ADJUSTABLE TEMPERATURE

For polystyrene, plastic, foam and sponge, adjustable cutting length, metal stand



Box

Power	230 V, 50 Hz, 130 W
Temperature	Max 450 °C
Cutting capacity with adjustment	14 ÷ 97 mm
Max cut	120 mm

0706 **PRO** € 36,50

GLUE GUN TRIGGER FEED



Carrying case

Power	230 V 40W 300 °C
Glue stick	Ø 12 mm

0431 **PRO** € 18,00

GLUE GUN TRIGGER FEED

Equipped with automatic advance and Led to signal connection to electric power.



Blister

Power	230 V, 35 W, 200 °C
Glue stick	Ø 12 mm
Glue flow	16 ÷ 20 g/min

0333 **PRO** € 111,00

HOT KNIFE FOR POLYSTYRENE WITH ADJUSTABLE TEMPERATURE

For polystyrene, plastic, foam and sponge, adjustable cutting length, metal stand



Carrying case

Power	230 V, 50 Hz, 150 W
Temperature	Max 500 °C
Max cut	150 mm

0333/150 € 18,00

SPARE BLADE



0034 € 5,10

HOT MELT GLUE STICKS



10 Pcs



Blister

Dimensions	Ø 12 x 200 mm Tot. 200 gr
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0071 € 5,40

HOT MELT GLUE STICKS



10 Pcs



Blister

Dimensions	Ø 12 x 200 mm 200 gr mm
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0156-
FLEXIBLE OIL-CAN

Art.	€	Capacity
0156/200	€ 6,00	200 cc
0156/500	€ 7,50	500 cc



0158/500 € 9,10
OILER WITH FLEXIBLE SPOUT

Plastic

Capacity 500 cc



0164/250 € 7,80
OILER WITH VERTICAL FLEXIBLE SPOUT

Plastic

Capacity 250 cc



0473-
OIL DRAIN PAN

With pouring spout and handles, made of high density polyethylene, impact resistant

Art.	€	Capacity	Dimensions
0473/10	€ 19,60	10 l	Ø400 x 120h mm
0473/15	€ 21,40	15 l	Ø500 x 130h mm



0171-
MEASURING JUG

With flexible spout, screw cover and anti-dripping end cap

Plastic

Art.	€	Capacity
0171/2	€ 11,30	2 l
0171/3	€ 11,10	3 l
0171/5	€ 15,20	5 l



0183/750 € 3,60
PLASTIC CAN WITH SPOUT

Plastic made in Italy

Capacity 750 cc



0172/150 € 8,60
PLASTIC FUNNEL

Closing screw, flexible spout, anti-dripping top/end covers and upper handle for the hanging.

Plastic

Diameter Ø150 mm
Height 435 mm



**0677/500**

€ 18,00

500CC HAND OPERATED LEVER GREASE GUN

Composed of metal tank and pump, coupler and 300mm PVC flexible hose, for using with loose grease or Ø 53mm grease cartridges.



Box

Capacity	500 cc
Flexible hose sizes	Ø 8 x 300 mm
Working pressure	6000-8000 psi

0677/1A

€ 280,00

AIR OPERATED GREASE GUN

To be used with Ø 55mm cartridge or loose grease with 2 grease cartridges, 400mm reinforced hose included and 4 jaw adjustable fitting.



Box

Capacity	800 cc
Dimensions	Ø 60 x 500 mm
Working pressure	4 - 6 bar

0677/CG

€ 10,60

GREASE CARTRIDGE

Box

Capacity	650 cc
Dimensions	Ø 55 mm

0677

€ 41,00

HAND OPERATED LEVER GREASE GUN

Composed of metal tank and pump, coupler and 450mm PVC flexible hose for using Ø 55mm grease cartridges or loose grease (adaptor already mounted).



Box

Capacity	1000 cc
Flexible hose sizes	Ø 9 x 450 mm

0677/500CG**NEW** € 9,30**GREASE CARTRIDGE**

Box

Capacity	500cc
Dimensions	Ø 53mm

0677/SO

€ 28,60

PLASTIC SUCTION DISCHARGE GUN

Box

Plastic

Capacity	500 g
Dimensions	Ø 50 x 500 mm

G030-

EMULSIFIABLE COOLANT AND LUBRICANT FLUID

Of high quality, mixable with water in these percentages: grinding: 2.5-3.5%, turning and milling: 3.00-4.00%, deep drilling: 4.00-7.00%, threading, tapping and light stamping: 7-15%.



Art.	€	Quantity
G030/01	€ 12,50	1 l
G030/05	€ 50,60	5 l
G030/25	€ 240,00	25 l



S401/00

€ 7,80

MULTI-FUNCTION SPRAY

A multipurpose product: it lubricates, protects, and releases. It is water-repellent and corrosion preventive. It protects parts subject to exposed water-pins, levers, and outboard motor parts. It meets the nautical market requirements and thanks to its high waterproofing / water-repellent capacities it's ideal for maintenance on any machine part.



Capacity 400 ml



S401/01

€ 6,60

COLD GALVANIZER

Cold galvanizer with high molecular weight, it chemically solidifies producing a long lasting metal coating. It protects all metal surfaces from oxidation. It forms an even resistant layer which can be painted or left as a final protection. It is ideal for retouching, for finishing and repairing galvanized parts.



Capacity 400 ml



S401/02

€ 5,90

MULTIPURPOSE GREASE

A compound of high quality saponified greases. Grease with a wide range of use, good chemical stability, water-repellent and adhesiveness properties. It protects against water and it is perfectly stable and resistant to salty and dirty atmospheres, acid and basic solution and atmospheric corrosion. Ideal for lubricating bearing, bushings, hubs, kingpins, guides and general use on motor vehicles, farming and industrial machinery.



Capacity 400 ml



S401/03

€ 5,30

SOLVENT AND RELEASING

Penetrating synthetic fluid with a high solvent and releasing power, it facilitates the releasing process of bolts, joints, threads, hinges and all other mechanical parts from rust and oxidation. It also leaves a long lasting waterproof and water repellent protective film.



Capacity 400 ml



S401/04

€ 5,80

PURE SILICONE OIL

Solution based on pure silicone oil that has anti-stick release agents and lubricants on various materials. It also gives a good water repellency on treated materials preventing the accumulation of electrostatic charges. It works as polishing and protective on plastic parts and it protects the seals from cracking increasing tightness and durability.



Capacity 400 ml



**S401/05**

€ 5,70

WELDING ANTIADHESIVE

A product made of filmforming synthetic polymers which, owing to their special features, it prevents the seizure of welding spatter to any surface. The film also prevents oxidation and corrosion caused by chemicals. It is suitable for autogenous, electric and inert-gas welding. The compound is free of silicon substances.



Capacity 400 ml

**S401/06**

€ 9,50

SPRAY STAINLESS STEEL

This zinc coating is silicone resin based and it forms a protective layer. Formulated to remain unchanged over time with exceptional resistance to chemical corrosion and weathering and good mechanical strength. Quick drying coating.



Capacity 400 ml

**S401/08**

€ 10,00

DRY PTFE LUBRICATING AGENT

Dry, water-repellent, anti-adhesive lubricant. Does not withhold dust and does not stain. It forms a dry and flexible layer of PTFE on the part treated that adheres tightly to metal, wood, and plastic, etc. Temperature-resistant between -80°C and +260°C. It provides protection against corrosion. Ideal for drive chains, threads, rollers, belts, guides and heavy-duty tools, etc.



Capacity 400 ml

**S401/09**

€ 7,20

COPPER GREASE

This product is made of super fine foliated copper particles and special corrosion inhibitors. It has protective and lubricating properties at high temperatures. Resistance to high temperatures (1000 °C), high adhesive capacity and anti-corrosion capacity make it ideal for all cases where heat or a highly corrosive environment can create irreversible blocks: slip, ring, pins, motor, exhausts, electrical, contacts, threaded connections, injection valves, etc.



Capacity 400 ml

**S401/10**

€ 6,70

CUTTING OIL

New product developed for specific professional applications in hard metal cutting and operations. Oil with a paraffin mineral base enriched with special EP anti-weld additives. Ideal for use in difficult threading operations with particularly hard, alloy steel. Suitable for use in the hydraulic sector.



Capacity 400 ml

**S401/11**

€ 5,10

AIR CLEAN

It removes dust even from lesser accessible parts. It is a must for cleaning lenses, objectives, computers and any kind of mechanism.



Capacity 400 ml



S401/12

€ 5,60

DE-OXIDIZING AGENT FOR ELECTRIC CONTACTS

Specifically formulated for the deep cleaning of electrical, electronic and electromagnetic contacts. It immediately removes humidity and oily substances like grease, oil, sludge, wax and glue from the surface, leaving it clean and degreased. The product might be corrosive to certain delicate surfaces.



made in italy

Capacity 400 ml


S401/13

€ 6,20

VASELINE OIL

Pure vaseline oil particularly indicated for applications where periodically maintenance, cleaning and lubrication are necessary. It is recommended for the lubrication of delicate mechanism. Due to its special formulation it protects and lasts for long time.



made in italy

Capacity 400 ml


S401/07

€ 5,50

BRAKE CLEANER, CARBURETORS AND THROTTLE BODIES

Special cleaner particularly effective on all mechanical components that require to be degreased without rinsing such as brakes and clutches. It rapidly dissolves oil, grease and other dirty substances. Developed for cleaning throttle bodies and intake manifolds that are made out of plastic material. It removes carbon and oily deposits from the throttle body and the entire intake system. It reduces the emission of harmful exhaust gases.



made in italy

Capacity 500 ml


S401/14

€ 6,50

PURE ZINC

It is a cold galvanizer with high molecular weight. It chemically solidifies producing a long-lasting metal coating. It protects all metal surfaces from oxidation. It forms a resistant layer which can be painted or left as a final protection. It offers exceptional resistance to weathering in difficult conditions. It is ideal for retouching, finishing, and repairing galvanized parts.



made in italy

Capacity 400 ml


S401/15

€ 6,70

ZINC ADHESIVE LUBRICANT FOR CHAINS

High performance chain grease, this high quality product developed and tested for the racing industry (on- and off-road motorcycles) provides guaranteed lubrication for extended periods of intense use. It reduces wearing of chains, crowns, pinions and all mechanical moving parts, while also protecting against water and dust.



made in italy

Capacity 400 ml


S401/16

€ 6,60

LITHIUM GREASE

Contains lithium and titanium oxides that make it specific and suitable for the nautical sector. It has long-term lubrication and performs in the presence of saline and aggressive atmospheres. It has long-term stability and resistance to oxidation. It protects surfaces from corrosive agents and it is suitable for both high temperatures (220°C/428°F) and low temperatures (-40°C/-40°F). Excellent for lubricating pins, joints, transmissions, levers, suspensions, hinges and exposed machine parts.



made in italy

Capacity 400 ml



**0660-****PLASTIC FUEL TANK**

With flexible filler, "un" certified according to european directives

**Plastic**

Art.	€	Capacity Liters	Dimensions	Net weight
0660/05	€ 11,30	5	260 x 120 x 250h mm	0,5 kg
0660/10	€ 16,30	10	330 x 160 x 300h mm	0,7 kg
0660/20	€ 21,40	20	400 x 200 x 360h mm	1 kg

0189-**METAL FUEL TANK**

With flexible filler, "un" certified according to european directives



Art.	€	Capacity Liters	Net weight
0189/05C	€ 42,30	5	1,5 kg
0189/10C	€ 42,90	10	2,5 kg
0189/20C	€ 48,90	20	3,7 kg

0189/G**€ 1,82****METAL POURING SPOUT**

Pack

10

0194**€ 13,50****METAL POURING SPOUT**

Pack

5

0356**€ 63,30****TROLLEY PRESSURE SPRAYER WITH BRASS LANCE PIPE**

With FPM gaskets.



Box

Capacity

16 l

0303**€ 43,20****PRESSURE SPRAYER WITH BRASS LANCE PIPE**

With gauge and FPM gaskets.



Box

Capacity

8 l

0274 **PRO** € 8,40

PRESSURE SPRAYER WITH BRASS NOZZLE

With FPM gaskets.



Capacity 2 l

0289 € 6,10

PRESSURE SPRAYER WITH BRASS NOZZLE

Rubber gaskets



Capacity 2 l

P024/06 € 52,70

LEVER ACTION HAND PUMP

For transferring lubricating oil, diesel, kerosene and antifreeze drums with rigid steel pipe Ø 16 x 700mm with thread M16 x 1 and delivery pipe in plastic.



Alu
Box Aluminum

Capacity 6 l/min
Single stroke capacity 0.1 l
Pump thread 2" / 1-1/2"

P024/15 € 62,50

LEVER ACTION HAND PUMP

For transferring lubricating oil, diesel, kerosene and antifreeze drums with rigid steel pipe Ø 20 x 820mm with 1/2" gas thread and plastic delivery pipe.



Alu
Box Aluminum

Single stroke capacity 0.350 l
Capacity 15 l/min
Pump thread 2" / 1-1/2"

0385 € 54,60

ROTARY HAND PUMP

For transferring lubricating oil, diesel, kerosene and antifreeze drums with telescopic suction pipe



Alu
Box Aluminum

Capacity 20 l/min
Pump thread 2"

0386 € 39,00

LEVER ACTION HAND OIL PUMP

For transferring lubricating oil, diesel, kerosene and antifreeze drums with telescopic pipe



Box

Capacity 18 l/min
Pump thread 2" / 1-1/2"

**0474/PP**

€ 15,70

PVC DIESEL GUN

Box



Capacity	60÷80 l/min
Nozzle	Ø25 mm
Inlet thread	1" BSP

0474/PA

€ 74,90

AUTOMATIC DIESEL GUN

With swivel connector.



Box



Capacity	90 l/min
Nozzle	Ø25 mm
Inlet thread	1" BSP

0272

€ 14,70

DRILL PUMP

For no flammable, explosive, corrosive and oily liquid. suitable use for rack spindles



Blister

Hydraulic head	30 m
Pump capacity	2.4 m ³ /h
Max. pressure	0.3 MPa
Max speed	3400 rpm

0474/PE

€ 30,30

NOZZLE OIL GUN

With swivel connector.



Box

Alu

Aluminum



Capacity	60÷120 l/min
Nozzle	Ø25 mm
Inlet thread	1" BSP

0755

€ 98,20

12VDC DIESEL PUMP

For mineral oil and diesel.



Box

Motor	DC 12 V, 175 W
Motor speed	4500 rpm
Pump capacity	40 l/min
Hydraulic head	2 m
Suction	4 m
Inlet thread	25 mm
Size	200 x 120 x 155 mm
Usage time	Max 30 min

R607 € 110,00

1800 W INFRARED HEATER WITH SUPPORT FOR WALL MOUNTING

Dust and water proof, metal housing, with metal net-cover.



Power 230 V, 2000 W

R608 € 247,00

2000W INFRARED HEATER WITH SUPPORT FOR WALL MOUNTING

Dust and water proof, metal housing, with metal net-cover and remote control.



Power 230 V, 2000 W

R609 € 117,00

1300W INFRARED HEATER WITH SUPPORT FOR WALL MOUNTING

Dust and water proof, metal housing, with metal net-cover, with R7S 1300w infrared bulb, 0.3m H07RN-F 3x1.5mm2 power cord.



Power 230 V, 1300 W

R610 € 162,00

2000W INFRARED HEATER WITH SUPPORT FOR WALL MOUNTING

Dust and water proof, metal housing, with metal net-cover, with R7S 2000w infrared bulb, 0.3m h07rn-f 3x1.5mm2 power cord



Power 230 V, 2000 W

R60XA

TRIPOD ELECTRIC RADIANT INFRARED HEATER



Art.	€	Power	Tripod height without heaters
R609A	€ 144,00	1 V 1,3 kW	600 ÷ 1500 mm
R610A	€ 207,00	0 V 2 kW	600 ÷ 1500 mm

R60XB

ELECTRIC RADIANT INFRARED HEATER WITH STAND



Art.	€	Power
R609B	€ 148,00	230 V 1,3 kW
R610B	€ 194,00	230 V 2 kW

T609 € 47,80

ADJUSTABLE HEIGHT TRIPOD

Suitable for light, heater



Height 600 ÷ 1500 mm
Upper fixing M 8

B609 € 30,90

INFRARED BULB

230V, 1300w



Length 250 mm

B610 € 40,80

INFRARED BULB

230V, 2000w.



Length 340 mm



0218-

LED FLOODLIGHTS

Aluminium super slim die-cast housing, tempered glass



Box

Alu

Aluminum



IP65



Art.	€	Power	Luminous flux	Color temperature	LED number	Cable	Dimensions
0218/10	€ 14,00	230 V, 50 Hz, 10 W	800 lm	4000 K	15 SMD LED	30 cm, H05RN-F 3x1.0 mm ² mm	150 x 95 mm
0218/20	€ 20,50	230 V, 50 Hz, 20 W	1600 lm	4000 K	28 SMD LED	30 cm, H05RN-F 3x1.0 mm ² mm	145 x 120 mm
0218/30	€ 33,40	230 V, 50 Hz, 30 W	2400 lm	4000 K	42 SMD LED	30 cm, H05RN-F 3x1.0 mm ² mm	180 x 150 mm
0218/50	€ 47,40	230 V, 50 Hz, 50 W	4000 lm	4000 K	56 SMD LED	30 cm, H05RN-F 3x1.0 mm ² mm	210 x 180 mm

0218-XB

LED FLOODLIGHT WITH STAND

Aluminium super slim die-cast housing, tempered glass



Box

Alu

Aluminum



IP65



Art.	€	Power	Luminous flux	Color temperature	Cable
0218/10B	€ 31,40	230 V, 50 Hz, 10 W	800 lm	4000 K	2 m, 3x1 mm ² H05VV-F
0218/20B	€ 37,60	230 V, 50 Hz, 20 W	1600 lm	4000 K	2 m, 3x1 mm ² H05VV-F
0218/30B	€ 49,20	230 V, 50 Hz, 30 W	2400 lm	4000 K	2 m, 3x1 mm ² H05VV-F
0218/50B	€ 64,40	230 V, 50 Hz, 50 W	4000 lm	4000 K	2 m, 3x1 mm ² H05VV-F

0218-XS

LED FLOODLIGHT WITH MOTION AND BRIGHTNESS SENSOR

Aluminium super slim die-cast housing, tempered glass



Box

Alu

Aluminum



Art.	€	Power	Luminous flux	Color temperature	Cable
0218/10S	€ 27,20	230 V, 50 Hz, 10 W	800 lm	4000 K	30 cm, 3x1 mm ² H05VV-F
0218/20S	€ 32,40	230 V, 50 Hz, 20 W	1600 lm	4000 K	30 cm, 3x1 mm ² H05VV-F
0218/30S	€ 42,90	230 V, 50 Hz, 30 W	2400 lm	4000 K	30 cm, 3x1 mm ² H05VV-F
0218/50S	€ 58,10	230 V, 50 Hz, 50 W	4000 lm	4000 K	30 cm, 3x1 mm ² H05VV-F

0218/50T € 93,10

50W LED FLOODLIGHT WITH TRIPOD

Aluminium super slim die-cast housing, tempered glass

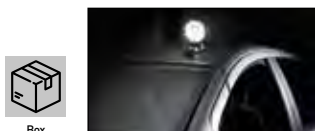


Power	220 - 240 V, 50 Hz, 50W
Luminous flux	4000 lm
Color temperature	4000 K
Cable	2 m, 3x1 mm ² H05VV-F

0713/18 € 75,40

LED FLOODLIGHT WITH MAGNETIC BASE

12V and 24V 18w, to fit on cars, offroads, campers, boats, agricultural machines and earthmoving machines, with 3 a fuse and car plug lighter.



Power	DC 9 ÷ 32 V (12 V, 24 V) 18 W
LED number	6 x 3 W
Luminous flux	1260 lm
Color temperature	6000 K
Lighting distance	5 m - 45 lux; 12 m - 10 lux m
Cable length	2 m
Projector size	Ø 116 mm
Base dimensions	Ø 86,50 mm
Back holes center distance	87 x 28 mm M6 mm
Overall dimensions	116 x 86,50 x 165 mm

0343 € 26,20

FLEXIBLE ARM LAMP

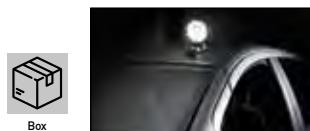


Power	110 / 230 V 50 / 60 Hz
Bulb	Max 40 W, E27 not included
Range	800 mm
Clamp capacity	35 mm

0713/15 € 66,70

LED FLOODLIGHT WITH MAGNETIC BASE

12 and 24 v 15 w, to fit on cars, offroads, campers, boats, agricultural machines and earthmoving machines, with 3 a fuse and car plug lighter

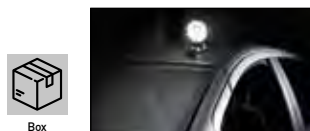


Power	DC 9 ÷ 32 V (12 V, 24 V) 15 W
LED number	5 x 3 W
Luminous flux	1050 lm
Color temperature	6000 K
Lighting distance	5 m - 23 lux; 8,5 m - 10 lux m
Cable length	2 m
Projector size	108 x 108 mm
Base dimensions	Ø 86,50 mm
Back holes center distance	87 x 28 mm M6 mm
Overall dimensions	108 x 86,50 x 160 mm

0713/27 € 116,00

LED FLOODLIGHT WITH MAGNETIC BASE

12V and 24V 27w, to fit on cars, offroads, campers, boats, agricultural machines and earthmoving machines, with 3 a fuse and car plug lighter.



Power	DC 9 ÷ 32 V (12 V, 24 V) 27 W
LED number	9 x 3 W
Luminous flux	1890 lm
Color temperature	6000 K
Lighting distance	5 m - 85 lux; 15,5 m - 10 lux m
Cable length	2 m
Projector size	Ø 116 mm
Base dimensions	Ø 86,50 mm
Back holes center distance	87 x 28 mm M6 mm
Overall dimensions	116 x 86,50 x 165 mm

0366 € 116,00

56 LED MAGNIFIER LAMP

With lense



Power	230 V 50 Hz 8 W
Magnification	2x
Luminous flux	600 lm
Color temperature	6500 K
Lens	Ø 120 mm
Range	810 mm
Clamp capacity	70 mm



0530

€ 119,00

LOW CONSUMPTION LAMP WITH LENS

With lens



Box

Power	230 V 50 Hz 22 W
Magnification	3x
Lens	Ø 120 mm
Range	810 mm
Clamp capacity	70 mm
Luminous flux	1000lm

0516

€ 164,00

LOW CONSUMPTION LAMP

With lens



Box

Power	230V 50Hz 2 x 9W
Magnification	2x
Lens	190 x 157 mm
Range	810 mm
Clamp capacity	70 mm
Luminous flux	1000 lm

0344

€ 33,80

FLEXIBLE ARM LAMP

With lens. Bulb not included



Box

Power	230 V 50/60 Hz
Bulb	Max 60 W, E27 not included
Magnification	2x
Lens	Ø 100 mm
Range	800 mm
Clamp capacity	35 mm

0661

€ 50,80

TABLE LAMP

With lens



Box

Power	230 V 50 Hz 11 W
Magnification	2x
Lens	Ø 89 mm



0625 € 33,10

HEAD LIGHT WITH MAGNIFYING LEN SET



Box

Multiplier	Target distance mm
1,2x	520 ÷ 620
1,8x	230 ÷ 320
2,5x	150 ÷ 250
3,5x	80 ÷ 120
Bulb	2,2 V - 0,25 A
Battery	2 AAA

0659-

CRYSTAL LENS



Box

Art.	€	Ø	Magnification	Pack
0659/50	€ 4,19	50 mm	3x - 10x	10
0659/60	€ 5,50	60 mm	3x - 8x	10
0659/75	€ 6,90	75 mm	3x - 8x	10
0659/90	€ 11,50	90 mm	3x - 8x	10

0437 € 24,60

HIGH POWERFUL LED TORCH

Long range, distance capacity more than 150m, long life.



Box

Not included batteries	4 C
LED power	3 W
Autonomy	25 h / 100 %

0493/1 € 9,20

LED HEADLIGHT

80lm, made of ABS and rubber cover, with elastic belt, 2 functions: focus and flash, for using with 3 batteries AAA type.



Box

Not included batteries	3 x AAA
Intensity	80 lm
Sizes	Ø 50 x 42 x 58 mm
Autonomy	10 h

0659 € 38,60

CRYSTAL LENS SET



12 Pcs



Expositor

Contents	Magnifications
3 Pcs Ø 50	3x - 10x mm
3 Pcs Ø 60	3x - 8x mm
3 Pcs Ø 75	3x - 8x mm
3 Pcs Ø 90	3x - 8x mm

L006 € 10,30

LED MAGNIFIER



Box

Lens	50 x 50 mm
Magnification	3x
LED	5 - 9000 mcd
LED	1
Battery	4 Ag10
Pack	10

0482/3 **PRO** € 56,50

HEAD LAMP WITH SENSOR

Switch on and off function by passing the hand in front of the lamp.



Box

LED	3 W COB
Luminous flux	Max 300 lm
Color temperature	6500 K
Battery	3.7 V 1500 mAh Li-ion
Autonomy	4h
Recharging time	3h

0493/2 € 23,70

LED HEADLIGHT

120lm, with elastic belt, 2 functions: focus and flash, for using with 3 batteries AAA type.



Box

Not included batteries	3 x AAA
Intensity	120 lm
Sizes	Ø 75 x 45 x 45 mm
Autonomy	5 h

**0209****€ 37,60****10 + 1 LED MAGNETIC WORK LIGHT**

With rotating head, Led on the top and front with 2 brightness levels.



Blister



Aluminum



IP20



Luminous flux	50 - 300 lm
Color temperature	6500 K
Not included batteries	3 AAA
Tilting head	180°
Revolution	180°
Dimensions	35 x 330 mm

0128A**NEW € 7,80****COB +1 LED POCKET TORCH LIGHT WITH MAGNET**

Swivel clip, long lasting, small size and high brightness make it essential in professional and do-it-yourself lines

ABS

Sizes	174 x 43 x 22 mm
Luminous flux	140 lm
Not included batteries	3 AAA

0671/1P**€ 7,00****WHITE LED FLASHLIGHT WITH EXTRA BRIGHTNESS**

IP44



Aluminum



Blister

Not included batteries	2 AAA
LED number	1 - 9000 mcd
Sizes	Ø 12,5 x 141 mm

0492**€ 11,80****LED FLASHLIGHT WITH TELESCOPIC MAGNET**

Expositor



Aluminum



Button batteries	4-LR44	Sizes	Ø 30 x 21 x 180 mm
LED number	6	Max length	710 mm
Intensity	6 x 10 lm	Autonomy	3 h

0397**€ 6,90****7 LED POCKET TORCH LIGHT**

With magnetic and swivel clip, long lasting, small size and high brightness make it essential in professional and do-it-yourself lines



Expositor



ABS



Not included batteries	3 AAA
Sizes	33 x 16 x 160 mm

0671/8**€ 13,90****WHITE LED FLASHLIGHT WITH EXTRA BRIGHTNESS**

Blister



Aluminum

Not included batteries	2 AA
LED number	8 - 9000 mcd
Sizes	Ø 25 x 20 x 140 mm

0787**€ 21,10****ALUMINUM TORCH**

Blister



Aluminum

Not included batteries	2 C
LED number	8 LED 11000 mcd
Sizes	Ø 48,5 x 31 x 215 mm

0107**€ 7,90****30 + 7 LED MAGNETIC LIGHT**

With magnet and hook on the back side



Expositor



ABS

Single LED life	100000 hours
Intensity	50 lm
Not included batteries	3 AA
Dimensions	40 x 35 x 203 mm

0311 € 11,20

24 LED MAGNETIC LIGHT

With magnet and hook on the back side



ABS

Expositor

Single LED life	100000 hours
Not included batteries	3 AA

0291 € 9,20

24 + 3 LED MAGNETIC LIGHT

With magnet and hook on the back side



ABS

Expositor

Single LED life	100000 hours
Not included batteries	3 AAA

0338 € 41,90

ALUMINUM HAND TORCH WITH 1 LED AND MANUAL ZOOM

3 light types: strong, media and flashing; adapter to work with 3 batteries AAA type in a box



Alu

Box

Aluminum

Battery	1 lithium (rechargeable), 3 AAA
LED	Q3 3 W
Sizes	Ø 34,5 x 28 x 135 mm
Battery charger	110 / 230 V 50 / 60 Hz
Autonomy	4 h

0597 € 29,10

RECHARGEABLE LED LIGHT WITH MAGNET

With battery charger 12VDC and 230VAC, foldable, hanging and magnetic.



ABS



Box

Battery	3.7 V 1800 mAh
LED	8 SMD + 5 LED
Recharging time	8 ÷ 10 h
Autonomy	7 ÷ 8 h

0889 € 60,10

RECHARGEABLE LED LIGHT WITH MAGNET

With battery charger 12VDC and 230VAC, foldable, hanging and magnetic.



ABS

Box

Battery	3,7 V - 1100 mAh - Lithium
LED	21 + 5 - 9000 mcd
Recharging time	4 + 5 h
Autonomy	4 ÷ 6 h

0693A **PRO NEW** € 84,00

RECHARGEABLE LED LAMP

With charging station, foldable, hanging and magnetic



ABS

Box

Battery	3,7V - 2600mAh - Li-ion
LED	6W COB LED - 1W SMD 6500K
Luminous flux	600 lm
Recharging time	4h
Autonomy	4.5h Eco mode
Working temperature	-10°C÷ 40°C

**0401****PRO** € 73,10**COB LED TECHNOLOGY RECHARGEABLE LAMP**

High capacity lithium battery for long time operation, magnetic back for hand-free application, flexible standing arm for multi-angle lighting purposes, strong light output 180 lumens.

**ABS**

Box

Power	100 ÷ 240 V , 50 ÷ 60 Hz
Battery	3,7 V - 2600 mAh - Li-ion
Recharging time	6 h
Autonomy	3,5 h
Intensity	180 lm

**0123**

€ 61,60

MULTIFUNCTION USB RECHARGEABLE LED LIGHT

With front torch with various steps of brightness, lateral white and red LEDs with flashing function. Usb recharging cable and transformer. Charge and recharge status Led. It can be charged directly from a computer.

**ABS**

Box

Battery	3.7V - 1800 mAh - Li-ion
LED	24 Cree XPG R5
Intensity	30 - 300 lm
Dimensions	191 x 99 x 148 mm
Battery charger	USB 110 - 230 V 50 - 60 Hz
Autonomy	2.5 h

**L008****PRO** € 127,00**SLIM INSPECTION CORDLESS LED LIGHT**

Rechargeable, high capacity lithium battery for long time operation, strong light output 400 lumen, the slim design and robust structure make it indestructible even if it falls from a height of one meter or, if it is forgotten on a flat floor, the car passes over it

**ABS**

Box



Power	100 ÷ 240 V , 50 ÷ 60 Hz
Battery	3,7 V 2400 mAh Lithium
Luminous flux	400 lm
Recharging time	3,5 h
Autonomy	3 - 10 h
Intensity	400 lm

**G900****NEW** € 14,60**CAMPING LANTERN****ABS**

Box

Dimensions	Ø 60 x 160 mm
Intensity	150 lm
Not included batteries	3 x AAA

**0445/20**

€ 156,00

RECHARGEABLE LED FLOODLIGHT

With switch, adapters to recharge batteries with car dc lighter and home ac 230V.

**Alu**

Box

Aluminum

**IP65**

Power	DC 12 - 24 V, 20 W; AC 230 V 20W
Luminous flux	600 - 1450 lm
Battery	7.4V 5400mAh Li-ion
Autonomy	1,5 h



0429 € 25,60

WORKING LAMP HOLDER WITH 5M POWER CORD

Without on/off switch, max 60W for incandescent lamps, E27 screw cup bulb, voltage range 12 ÷ 230V; bulb not included.



Hangable

Cable length	5 m
Screw cup bulb	E27
Voltage	230 V

0342 € 16,70

PORTABLE NEON LAMP WITH HOOK



Blister

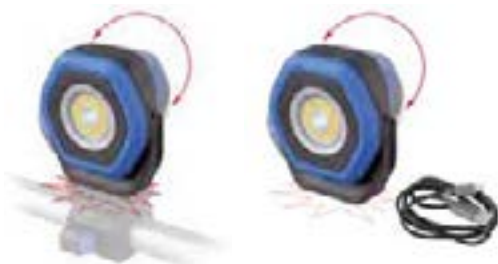


Power	230 V 50 Hz 8 W
Dimensions	Ø 31 x 435 mm
Cable	5 m

0900 **PRO NEW** € 84,00

MULTI PORTABLE MAGNETIC LED LIGHT

COB Led portable lamp made in impact-resistant ABS. Adjustable in four different light intensities from 350 to 1400 Lumen. The strong magnet at the base and the rotatable body through 180°, makes it perfect to be used in any circumstance.



Box

Alu

Aluminum

LED	COB
Power	USB Type C 5 V 2 A
Battery	3.7 V 5200 mAh Li-ion
Luminous flux	350 ÷ 1400 lm
Recharging time	4 h
Autonomy	3 h ÷ 14 h
Dimensions	116 x 101 x 41.5 mm



0840 € 119,00

RECHARGEABLE LED LAMP WITH ADJUSTABLE HOOKS AND MAGNETS

Made of ABS and polycarbonate, with lithium battery, 12V car plug adapter and 230V home adapter, charging indicator light.



Box

ABS



0900/BL **PRO NEW** € 235,00

EXTENSIBLE AND MAGNETIC UNDERHOOD LED LIGHT

Underhood light with two COB Led and magnetic light spots rotatable through 360°, for a maximum of 2800 Lumen (1400lm + 1400lm). This bar is easily extensible to 2100mm to be hooked to any kind of bonnet.



Box

ABS

Alu

Aluminum

Nylon

LED	COB
Power	USB Type C 5 V 2 A
Battery	3.7 V 5200 mAh Li-ion
Luminous flux	2 x 400-1400 lm
Recharging time	4 h
Autonomy	4 h
Adjustable extension clamps	850 ÷ 2100mm

Power	DC 12 V 7,2 W; AC 230V
Working lamp dimensions	Ø 38 x 1080 mm
Adjustable extension clamps	1210 ÷ 1950 mm
Battery	7.4 V, 1800 mAh Lithium
Intensity	900 lm, 36 SMD
Recharging time	4 - 5 h
Autonomy	3h

**0621/A3**

€ 107,00

AUTO RE-ENTERING CABLE REEL

Box

Cable length	10 m
Cable type	3 x 1,50 mm ² H05VV-F
Power	12 V ÷ 240 V
Max power for rolled cable	1200 W
Max power for unrolled cable	1800 W

A010-X**CABLE REEL**

Double isolation cable H05VV-F homologated, homologated PVC pressure-cast plug, thermal circuit breaker with manual reset, max. Power with rolled cable 1,2kw, max. Power with unrolled cable 3,4kw.



Box

Art.	€	Cable length	Stem	Drum
A010/10	€ 39,40	10 m	3 x 1,5 mm ²	Ø 200 mm
A010/20	€ 64,00	20 m	3 x 1,5 mm ²	Ø 250 mm

A010/20G

€ 59,20

GARDEN CABLE REEL

20m complies with standard EN 61242, double isolation cable H05VV-F homologated, homologated schuko plug and schuko socket, thermal circuit breaker with manual reset, max. Power with rolled cable 1,2kw, max. power with unrolled cable 3,4kw.



Box

Cable length	20 m
Stem	3 x 1 mm ²
Drum	Ø 250 mm

A010/30T**PRO** € 371,00**CABLE REEL**

Complies with standard EN 61316, flexible cord H07RN-F, neoprene homologated, IP 44 plugs, thermal circuit breaker, with manual reset, max. Power with rolled cord 5kw, max. Power with unrolled cord 11 kw.



Box

Power	380 V
Cable length	30 m
Stem	4 x 2,5 mm ²
Drum	Ø 340 mm

**0428**

€ 113,00

AUTOMATIC CABLE REEL WITH LAMP HOLDER

Overload protection, max 60W for incandescent lamps, Led light on the cable reel to show the presence of power, bulb not included.



Box



Cable size	13 + 1 m - H05RR-F - 2 x 1mm ²
Screw cup bulb	E27
Voltage	12 ÷ 230 V

A010-**CABLE REEL**

Complies with standard EN 61242, double isolation cable H05VV-F homologated, homologated PVC pressure-cast plug, thermal circuit breaker with manual reset, max. Power with rolled cable 1,2kw, max. Power with unrolled cable 3,4kw.



Box

Art.	€	Cable length	Stem	Drum
A010/15	€ 57,30	15 m	3 x 1,5 mm ²	Ø 190 mm
A010/25	€ 82,90	25 m	3 x 1,5 mm ²	Ø 240 mm
A010/50	€ 148,00	50 m	3 x 1,5 mm ²	Ø 310 mm

A010/30**PRO** € 270,00**CABLE REEL**

Conform to standard EN 61316, flexible cord H07RN-F neoprene homologated, IP 44 plugs, thermal circuit breaker with manual reset, max. power with rolled cord 5kw max. power with unrolled cord 11kw.



Box

Power	230 V
Cable length	30 m
Stem	3 x 2,5 mm ²
Drum	Ø 340 mm

0651/6S

€ 12,30

6 ITALIAN AND GERMAN TYPE POWER SOCKET, WITH OVERLOAD PROTECTION AND GERMAN PLUG

With overload protection



Cable	3 x 1 mm ²
Cable length	1,5 m

OX05C **PRO** € 63,80

CONCENTRATED OXIDIZING SOLUTION WITH SILVER SALTS

Concentrated oxidizing solution based on hydrogen peroxide stabilized with silver salts.
Hydrogen peroxide, concentration 47.5 – 50%



Capacity 5 kg

OX20C **PRO** € 202,00

CONCENTRATED OXIDIZING SOLUTION WITH SILVER SALTS

Concentrated oxidizing solution based on hydrogen peroxide stabilized with silver salts.
Hydrogen peroxide, concentration 47.5 - 50%.



Capacity 20 kg

OX090S **PRO** € 13,80

READY TO USE OXIDIZING SOLUTION WITH SILVER SALTS

Oxidizing product based on hydrogen peroxide stabilized with silver salts. The synergistic action of these two active ingredients allows to thoroughly hygienize the surfaces to be treated: hydrogen peroxide releases active oxygen when in contact with the treated surfaces, thus acting as a sanitizing cleaner, whilst silver salts enhance the purifying effect.



Capacity 900 ml
Pack 12

OX090 **PRO** € 10,90

READY TO USE SOLUTION WITH SILVER SALTS

Oxidizing product based on hydrogen peroxide stabilized with silver salts. The synergistic action of these two active ingredients allows to thoroughly hygienize the surfaces to be treated: hydrogen peroxide releases active oxygen when in contact with the treated surfaces, thus acting as a sanitizing cleaner, whilst silver salts enhance the purifying effect.



Capacity 900 ml
Pack 12

CP05 **PRO** € 28,70

DETERGENT AND HYGIENIZER FOR FILTERS AND LAMELLAR PACKS

Concentrated liquid product containing wetting agents, non-ionic surfactants and hydrogen peroxide. Easily removes the residues of dirt and grease depositing on lamellar packs of finned batteries of convectors and on filters.



Capacity 5 kg

CP090S **PRO** € 13,30

DETERGENT AND HYGIENIZER FOR FILTERS AND LAMELLAR PACKS

Concentrated liquid product containing wetting agents, non-ionic surfactants and hydrogen peroxide. Easily removes the residues of dirt and grease depositing on lamellar packs of finned batteries of convectors and on filters.



Capacity 900 ml
Pack 12

HC001 **PRO** € 16,00

HYGIENIZING DETERGENT WIPES

Slightly abrasive wet wipes with cleaning, hygienizing and degreasing action, ideal for cleaning hands. They are used without water and are the optimal solution for all those who need to clean and sanitize their hands in any situation and place. They remove bad smells leaving hands delicately scented. No need to rinse with water.



Dimensions 200 x 160 mm
Pack 6

**GL642-****COW GRAIN LEATHER GLOVE**

Hemmed with internal elastic cuff



Art.	€	Size	Pack
GL642/07	€ 5,90	7	12
GL642/08	€ 5,90	8	12
GL642/09	€ 5,90	9	12
GL642/10	€ 5,90	10	12
GL642/11	€ 5,90	11	12

GL814-**COW GRAIN/SPLIT LEATHER GLOVE**

Extra-quality, wing thumb, cow grain leather palm, cow split back. hemmed wrist with internal elastic cuff



Art.	€	Size	Pack
GL814/07	€ 4,77	7	12
GL814/08	€ 4,77	8	12
GL814/09	€ 4,77	9	12
GL814/10	€ 4,77	10	12
GL814/11	€ 4,77	11	12

GL349-**NBR COATED COTTON JERSEY GLOVE**

Palm, fingers and knuckles coated, lightweight, good abrasion resistance, knitwrist cuff and partially aerated back



Art.	€	Size	Pack
GL349/07	€ 2,03	7	12
GL349/08	€ 2,03	8	12
GL349/09	€ 2,03	9	12
GL349/10	€ 2,03	10	12
GL349/11	€ 2,03	11	12

GL650-**SHEEP GRAIN LEATHER-COTTON GLOVE**

Sheep grain leather palm, stretch cotton back, cuff adjustable with velcro



Art.	€	Size	Pack
GL650/08	€ 6,70	8 - Blue	12
GL650/09	€ 6,70	9 - Yellow	12
GL650/10	€ 6,70	10 - Red	12
GL650/11	€ 6,70	11 - Black	12

GL345-**NBR COATED COTTON JERSEY GLOVE**

Palm, fingers and knuckles coated, excellent resistance to abrasion, grease and oil, hydrocarbons and dirt, cotton canvas safety cuff



Art.	€	Size	Pack
GL345/09	€ 3,13	9	12
GL345/10	€ 3,13	10	12

GL347-**NBR COATED COTTON JERSEY GLOVE**

Fully coated, excellent resistance to abrasion, grease and oil, hydrocarbons and dirt, cotton canvas safety cuff



Art.	€	Size	Pack
GL347/10	€ 3,24	10	12
GL347/11	€ 3,24	11	12

NEW

GL373-

SEAMLESS POLYESTER GLOVE/NITRILE

Palm coated with nitrile for good protection in the presence of liquids, oils and/ or grease, excellent abrasion resistance, ergonomic design for a comfortable fit, knitwrist cuff and breathable back



Art.	€	Size	Pack
GL373/07	€ 1,66	7	12
GL373/08	€ 1,66	8	12
GL373/09	€ 1,66	9	12
GL373/10	€ 1,66	10	12

GL365-

SEAMLESS POLYESTER GLOVE/NITRILE

Palm coated with nitrile for good protection in the presence of liquids, oils and/ or grease, excellent abrasion resistance, ergonomic design for a comfortable fit, knitwrist cuff



Art.	€	Size	Pack
GL365/08	€ 3,39	8	12
GL365/09	€ 3,39	9	12
GL365/10	€ 3,39	10	12

GL722-

SEAMLESS NYLON GLOVE/POLYURETHANE

Palm coated with a special ultralight polyurethane compound, extra lightweight and elastic with high tactile sensitivity and dexterity, excellent dry & wet grip, with antibacterial sanitized® treatment, ergonomic design for a comfortable fit, knitwrist cuff and breathable back



Art.	€	Size	Pack
GL722/07	€ 4,79	7	12
GL722/08	€ 4,79	8	12
GL722/09	€ 4,79	9	12
GL722/10	€ 4,79	10	12

GL764-

SEAMLESS POLYESTER GLOVE/POLYURETHANE

Palm coated with polyurethane, superior dexterity and tactile sensitivity, lightweight, flexible, with excellent abrasion and wear resistance, ergonomic design for a comfortable fit, knitwrist cuff and breathable back



Art.	€	Size	Pack
GL764/07	€ 1,66	7	12
GL764/08	€ 1,66	8	12
GL764/09	€ 1,66	9	12
GL764/10	€ 1,66	10	12

GL762-

SEAMLESS NYLON GLOVE/POLYURETHANE

Palm coated with polyurethane, lightweight, elastic, with excellent tactile sensitivity, suggested for delicate and precision jobs, excellent abrasion resistance and durability, ergonomic design for a comfortable fit, knitwrist cuff and breathable back



Art.	€	Size	Pack
GL762/M	€ 3,13	M	12
GL762/L	€ 3,13	L	12
GL762/XL	€ 3,13	XL	12
GL762/XXL	€ 3,13	XXL	12

GL516-

SEAMLESS NYLON GLOVE/LATEX

Palm coated with latex, wrinkle finish for extraordinary dry & wet grip, ergonomic design for a comfortable fit, knitwrist cuff and breathable back



Art.	€	Size	Pack
GL516/08	€ 6,10	8	12
GL516/09	€ 6,10	9	12
GL516/10	€ 6,10	10	12

**GL398-****15-GAUGE SEAMLESS NYLON-ELASTANE GLOVE/NITRILE FOAM**

Palm coated with nitrile foam which makes the glove soft, light and breathable, dots on palm for better grip and wear resistance, anti-pilling, water and oil repellent, excellent abrasion resistance, together with high flexibility and dexterity, ergonomic design for a comfortable fit, knitwrist cuff and breathable back



Art.	€	Size	Pack
GL398/07	€ 5,50	7	12
GL398/08	€ 5,50	8	12
GL398/09	€ 5,50	9	12
GL398/10	€ 5,50	10	12

GL396-**15-GAUGE SEAMLESS NYLON-ELASTANE GLOVE/NITRILE FOAM**

Palm coated with nitrile foam with nft™ technology, for outstanding grip and non-slip properties, both in dry & wet conditions, or in contact with oily surfaces and for increased abrasion resistance, with antibacterial sanitized® treatment, considerable flexibility and dexterity, ergonomic design for a comfortable fit, knitwrist cuff and breathable back



Art.	€	Size	Pack
GL396/07	€ 5,70	7	12
GL396/08	€ 5,70	8	12
GL396/09	€ 5,70	9	12
GL396/10	€ 5,70	10	12

GL503-**SEAMLESS NYLON GLOVE/LATEX**

Palm coated with a special soft latex foam, wrinkle finish for extraordinary dry & wet grip, yellow fluo liner for higher visibility when used in half-light or low visibility conditions, high wear and tear resistance, exceptional flexibility, good tactile sensitivity, ergonomic design for a comfortable fit, knitwrist cuff and breathable back



Art.	€	Size	Pack
GL503/08	€ 4,94	8	12
GL503/09	€ 4,94	9	12
GL503/10	€ 4,94	10	12

GL711-**NEW****15 GAUGE CONTINUOUS THREAD GLOVE IN HI-TECH TECHNICAL YARN + LYCRA® / POLYURETHANE**

The new hi-tech anti-cut yarn does not use glass or steel fibers to increase performance, avoiding possible contact allergies. Palm covered in polyurethane for a secure, flexible, light, fresh and breathable grip for maximum comfort. Ergonomic shape, no seams, reduces hand fatigue, elastic wrist and ventilated back



Art.	€	Size	Pack
GL711/08	€ 4,96	8	12
GL711/09	€ 4,96	9	12
GL711/10	€ 4,96	10	12

GL386-**13 GAUGE SEAMLESS POLYESTER GLOVE/NITRILE**

Palm coated with nitrile with a slightly wrinkle finish due to the processing of the liner, very good grip, high flexibility and dexterity, high abrasion resistance, ergonomic design for a comfortable fit, knitwrist cuff and breathable back



Art.	€	Size	Pack
GL386/08	€ 2,32	8	12
GL386/09	€ 2,32	9	12
GL386/10	€ 2,32	10	12



EW210 € 4,43

POLYCARBONATE EYEGLASS TEMPLE

EN 166 single lens with side protections. It can be worn on top of spectacles.



Optic class	1
Pack	12

EW154 € 3,27

PANORAMIC GOGGLES

EN 166 plastic one-piece lens, aeration valves, elastic band.



Plastic

Optic class	1
Pack	20

EW213 € 7,50

EYEGLASS TEMPLE

EN 166 polycarbonate frame, no-mist and anti-scratch lenses, panoramic wrap-around structure, temples with adjustable length.



Optic class	1
Pack	12

EW249 NEW € 16,80

EYEGLASS TEMPLE

EN 166 transparent polycarbonate frame with soft inner protection. No-mist and anti-scratch lenses, panoramic wrap-around structure, side protections. Tilt-adjustable temples



Optic class	1
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EW152 € 3,13

PANORAMIC GOGGLES

EN 166 plastic one-piece lens, side aeration holes, elastic band.



Plastic

Optic class	1
Pack	20

EW207 € 7,20

EYEGLASS TEMPLE

EN 166 transparent polycarbonate frame, no-mist and anti-scratch lenses, panoramic wrap-around structure, side protections.



Optic class	1
Pack	12

EW205 NEW € 10,50

EYEGLASS TEMPLE

EN 166 transparent polycarbonate frame, no-mist and anti-scratch lenses, panoramic wrap-around structure, side protections. Silicone rubber inserts.



Optic class	1
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EW257 NEW € 13,50

EYEGLASS TEMPLE

EN 166 transparent polycarbonate frame, no-mist and anti-scratch lenses, panoramic wrap-around structure, side protections. Tilt-adjustable temples with non-slip colored inserts. Nosepad and front protection in soft non-slip rubber.



Optic class	1
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**FP120**

€ 8,70

POLYTHENE HELMET

EN 397 adjustable straps with 6 fastening points, electric insulation up to 440V, sweat band.

**FP190**

€ 45,30

POSITIONING BELT

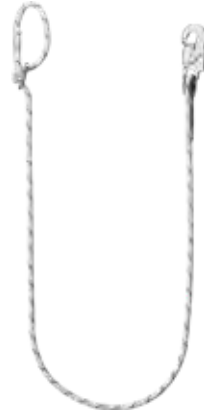
EN 358 2 lateral anchor rings, adjustable buckle, padded back support.

**FP194**

€ 30,40

ADJUSTABLE SAFETY LANYARD

EN 354 & EN 358 "Kernmantel" polyamide safety lanyard, with adjustable buckle, zinc galvanized steel connector (ø 18mm) with safety lock.



Cable diameter	Ø 12 mm
Length	Max 2 m (connectors included)

FP166

€ 10,60

SELF-CLOSING CONNECTOR

EN 362 - Classe B



Steel



Galvanized

Opening	18 mm
Static resistance of spring catch	> 25 kN

FP144

€ 67,50

SAFETY LANYARD WITH ENERGY ABSORBER

EN 355 "kernmantel" safety lanyard, connectors not included.



Cable diameter	Ø 10,5 mm
Length	Max 2 m (connectors included)

FP192

€ 38,70

BODY HARNESS

EN 361 with dorsal and sternal anchor points, adjustable buckle for legs, adjustable chest connecting strap.



0148/72
€ 31,80
FIRST AID PRODUCTS

Conform to attachment 2 for firm with max 2 peoples, packed in polypropylene case with screws for wall mount

INCLUDED ACCESSORIES

- Content:
- 2 Pair sterile gloves
- 1 Bottle disinfectant 125 ml IODINE TINCTURE at 10% iodine
- 1 Bottle sterile physiological solution 250 ml
- 3 sterile gauze compresses cm 10x20
- 1 sterile gauze compress cm 18x40
- 1 Packet cotton wool
- 1 Latex Tourniquet
- 1 Sterile tweezers
- 1 Pack of 20 assorted adhesive plasters
- 1 Roll adhesive plaster 5m x 2.5 cm
- 1 gauze bandage rolls cm 10
- 1 Pair scissors
- 1 Single-use instant ice pack
- 1 Bag for sanitary waste
- 1 Multilingual first aid instruction booklet

Case size 309 x 209 x 97 mm


0148/73
€ 118,00
FIRST AID PRODUCTS

That are conform to attachment 1 for firm with more than 2 peoples, packed in polypropylene case with screws for wall mount

INCLUDED ACCESSORIES

- Content:
- 5 Pairs sterile gloves
- 1 Mask with splash guard visor
- 3 Bottles sterile physiological solution 500 ml
- 2 Bottles disinfectant 500 ml IODINE TINCTURE at 10% iodine
- 10 Packets sterile gauze compress cm 20x20
- 2 Packets sterile gauze compress cm 18x40
- 2 Sterile sheets cm. 40x60
- 2 Sterile TWEEZERS
- 1 Packet cotton wool
- 1 Box tubular elastic bandage – medium size
- 2 Packs of 20 assorted plasters
- 2 Rools adhesive plaster 5 m x 2.5 cm
- 1 Pair scissors
- 3 Latex Tourniquets
- 2 Single-use instant ice packs
- 2 Bags for sanitary waste
- 1 Clinical thermometer CE with case
- 1 Sphygmomanometer with stethoscope
- 1 multilingual first aid instruction booklet

Case size 405 x 300 x 114 mm


0148/64
€ 21,00
FIRST AID PRODUCTS

Nylon bag for vehicles and firms with less than 3 people, included contents of attachment 2, with handle, shoulder strap and zipper.

INCLUDED ACCESSORIES

- Content:
- 2 Pair sterile gloves
- 1 Bottle disinfectant 125 ml IODINE TINCTURE at 10% iodine
- 1 Bottle sterile physiological solution 250 ml
- 3 sterile gauze compresses cm 10x20
- 1 sterile gauze compress cm 18x40
- 1 Packet cotton wool
- 1 Latex Tourniquet
- 1 Sterile tweezers
- 1 Pack of 20 assorted adhesive plasters
- 1 Roll adhesive plaster 5m x 2.5 cm
- 1 gauze bandage rolls cm 10
- 1 Pair scissors
- 1 Single-use instant ice pack
- 1 Bag for sanitary waste
- 1 Multilingual first aid instruction booklet

Case size 250 x 180 x 90 mm



**HP207**

€ 24,90

PROTECTIVE EARMUFF

EN 352-1 head bow with soft padding for increased comfort, fast and stable height adjustment, adjustable ABS cups with soft padded cushions, can be used with helmets, eye shields and masks.



Box

SNR

32

HP205

€ 12,40

PROTECTIVE EARMUFF

EN 352-1 ABS bow, turning in three positions, cushions in sponge + PVC, height trigger adjustment, can be used with helmets, eye shields and masks.



Hangable

ABS

SNR

27

HP603

€ 3,83

EARPLUGS WITH BOW

EN 352-2 polyethylene bow, extremely soft polyurethane plugs which lean on the ear canal without penetrating inside.



SNR

20

Pack

40

HP601

€ 53,30

DISPOSABLE EARPLUGS IN POLYURETHANE FOAM

EN 352-2 anatomical shape, smooth surface for improved comfort and hygiene, 1 pair/bag.



200 Pcs

SNR

37



RP120 € 1,54

MASK IN NONWOVEN FABRIC

EN 149: 2001 + A1: 2009 protection against non-toxic solid and liquid aerosols in concentrations up to 4x tlv, semirigid structure, soft seal on the nose.



Features	FFP1 NR D
Pack	20

RP123 € 1,49

MASK IN NONWOVEN FABRIC

EN 149: 2001 + A1: 2009 protection against non-toxic and low-to-average toxicity solid and liquid aerosols, in concentration up to 12x tlv.



Features	FFP2 NR D
Pack	20

RP124 € 2,58

MASK IN NONWOVEN FABRIC

EN 149: 2001 + A1: 2009 with exhalation valve, protection against non-toxic and low-to-average toxicity solid and liquid aerosols, in concentration up to 12x tlv.



Features	FFP2 NR D
Pack	10

RP127 € 4,42

MASK IN NONWOVEN FABRIC WITH ACTIVE CARBONS

EN 149: 2001 + A1: 2009 protection against non-toxic and low-to- average toxicity solid and liquid aerosols, in concentration up to 12x tlv, equipped with new exhalation valve newtec®, with active carbon to prevent inhalation of strong odours, soft seal on the nose.



Features	FFP2 NR D
Pack	10

RP133 € 3,57

FLEXIBLE MASK IN NONWOVEN FABRIC

EN 149: 2001 + A1: 2009 protection against high-toxicity powders, including water based aerosol in concentrations up to 50x tlv, equipped with new exhalation valve newtec®, soft seal on the nose, individually packaged.



Features	FFP3 NR D
Pack	20

RP126 € 6,30

MASK IN NONWOVEN FABRIC

EN 149: 2001 + A1: 2009 protection against non - toxic, low - to - average toxicity and high - toxicity solid and liquid aerosols in concentrations up to 50x tlv, equipped with exhalation valve newtec®, soft seal protection along the inner edge of the face.



Features	FFP3 NR D
Pack	5

**FW131-****NEW****PROTECTIVE LOW SHOE**

EN ISO 20345: 2011 Upper made of a highly breathable technical fabric with high abrasion resistance. Inner lining air mesh, breathable, hydrophilic, anti-humidity. Removable, breathable, antistatic preformed insole with antibacterial treatment, shock absorber insert in the heel and arch support. Sole in mono-density polyurethane, antistatic and highly slip resistant. Composite toe cap. Anti-perforation textile foil.

Art.	€	Features	Size
FW131/38	€ 103,00	S3 SRC	38
FW131/39	€ 103,00	S3 SRC	39
FW131/40	€ 103,00	S3 SRC	40
FW131/41	€ 103,00	S3 SRC	41
FW131/42	€ 103,00	S3 SRC	42
FW131/43	€ 103,00	S3 SRC	43
FW131/44	€ 103,00	S3 SRC	44
FW131/45	€ 103,00	S3 SRC	45
FW131/46	€ 103,00	S3 SRC	46
FW131/47	€ 103,00	S3 SRC	47

**FW542-****NEW****PROTECTIVE HIGH SHOE**

EN ISO 20345: 2011 Upper made of a highly breathable technical fabric with high abrasion resistance. Inner lining air mesh, breathable, hydrophilic, anti-humidity. Removable, breathable, antistatic preformed insole with antibacterial treatment, shock absorber insert in the heel and arch support. Sole in mono-density polyurethane, antistatic and highly slip resistant. Composite toe cap. Anti-perforation textile foil.

Art.	€	Features	Size
FW542/38	€ 113,00	S3 SRC	38
FW542/39	€ 113,00	S3 SRC	39
FW542/40	€ 113,00	S3 SRC	40
FW542/41	€ 113,00	S3 SRC	41
FW542/42	€ 113,00	S3 SRC	42
FW542/43	€ 113,00	S3 SRC	43
FW542/44	€ 113,00	S3 SRC	44
FW542/45	€ 113,00	S3 SRC	45
FW542/46	€ 113,00	S3 SRC	46
FW542/47	€ 113,00	S3 SRC	47







**FW077-****NEW****FULLY ANTISTATIC PROTECTIVE SPORTS SHOE (ESD PROTECTION).**





EN ISO 20345: 2011 Upper in microfibre with breathable and resistant KPU mesh. Wear-resistant TNT reinforcements. Air mesh lining, breathable, hydrophilic, moisture wicking. Removable memory preformed insole, in EVA + rubber compound, anti-fatigue, antibacterial, breathable, with arch support. Non-slip, abrasion-resistant, oil-resistant dual-density polyurethane sole with energy absorption in the heel. Fiberglass tip. Anti-perforation textile foil.




Art.	€	Features	Size
FW077/38	€ 101,00	S1P SRC ESD	38
FW077/39	€ 101,00	S1P SRC ESD	39
FW077/40	€ 101,00	S1P SRC ESD	40
FW077/41	€ 101,00	S1P SRC ESD	41
FW077/42	€ 101,00	S1P SRC ESD	42
FW077/43	€ 101,00	S1P SRC ESD	43
FW077/44	€ 101,00	S1P SRC ESD	44
FW077/45	€ 101,00	S1P SRC ESD	45
FW077/46	€ 101,00	S1P SRC ESD	46
FW077/47	€ 101,00	S1P SRC ESD	47

















 CALIPERS, HEIGHT GAUGE AND RULERS	
p. 538	 – Digital calipers
p. 538	 – Calipers with dial gauge
p. 539	 – Vernier calipers
p. 540	 – Height gauge
p. 544	 – Steel and digital rules







 DIAL INDICATORS	
p. 546	 – Dial indicators
p. 548	 – Dial thickness gauges
p. 549	 – Edge finders




 MICROMETERS	
p. 550	 – Outside micrometers
p. 551	 – Inside micrometers

 GAUGE BLOCKS, SCREW GAUGE AND HOLE PLAIN GAUGE	
p. 552	 – Gauge blocks
p. 553	 – Gauges

 MEASURING TOOLS	
p. 555	 – Magnetic base
p. 558	 – Inspection plates
p. 558	 – Squares
p. 560	 – Screw pitch gauge

 PRECISION TAPES, LEVELS AND GONIOMETERS	
p. 563	 – Precision tapes
p. 564	 – Levels
p. 566	 – Protractors

 ANALOGIC AND DIGITAL METERS	
p. 567	 – Endoscopes
p. 568	 – Testers
p. 569	 – Digital meters
p. 573	 – Refractometers
p. 574	 – Hardness testers

 SCALES AND DYNAMOMETERS	
p. 576	 – Scales
p. 577	 – Dinamometers

C031/150

PRO € 176,00

STAINLESS STEEL ELECTRONIC DIGITAL CALIPER

With 2 functions and a big screen



Range	0÷150 mm 0÷6"
Reading	0,01 mm 0,0005"
Jaws	40 mm
Beam	16 x 3 mm

C035-

PRO NEW

STAINLESS STEEL ELECTRONIC DIGITAL CALIPER

With glass rail for better accuracy, metal housing and buttons, data output with mini USB port, removable thumbroll, ground and lapped jaws, with locking screw.



Art.	€	Range	Reading	Accuracy	Repeatability	Beam	Jaws	Back Jaws	Battery	Digit height
C035/150	€ 69,20	0÷150 mm 0÷6"	0,01 mm 0,0005"	0,02 mm	0,01 mm	16 x 3 mm	40 mm	16,5 mm	1 x 3V CR2032	9 mm
C035/200	€ 95,10	0÷200 mm 0÷8"	0,01 mm 0,0005"	0,03 mm	0,01 mm	16 x 3 mm	50 mm	19,5 mm	1 x 3V CR2032	9 mm
C035/300	€ 166,00	0÷300 mm 0÷12"	0,01 mm 0,0005"	0,03 mm	0,01 mm	16 x 3 mm	60 mm	20,5 mm	1 x 3V CR2032	9 mm

C033-

STAINLESS STEEL ELECTRONIC DIGITAL CALIPER

With 3 functions and a big screen



Art.	€	Range	Reading	Beam	Jaws
C033/150	€ 61,00	0÷150 mm 0÷6"	0,01 mm 0,0005"	16 x 3,2 mm	40 mm
C033/200	€ 88,80	0÷200 mm 0÷8"	0,01 mm 0,0005"	16 x 3,2 mm	50 mm
C033/300	€ 132,00	0÷300 mm 0÷12"	0,01 mm 0,0005"	16 x 3,2 mm	60 mm

C041/150

€ 34,20

MONOBLOCK STAINLESS STEEL ELECTRONIC DIGITAL CALIPER

3 functions with big lcd



Range	0÷150 mm 0÷6"
Reading	0,01 mm 0,0005"
Jaws	40 mm
Beam	16 x 3 mm



C043-

STAINLESS STEEL ELECTRONIC DIGITAL CALIPER

With 4 functions and big lcd, fine adjustment



Art.	€	Range	Reading	Jaws	Beam
C043/500	€ 325,00	0÷500 mm 0÷20"	0,01 mm 0,0005"	100 mm	25 x 6 mm
C043/1000	€ 650,00	0÷1000 mm 0÷40"	0,01 mm 0,0005"	150 mm	30 x 8 mm

C047-

PRO NEW

STAINLESS STEEL ELECTRONIC DIGITAL CALIPER

Hardened stainless steel mechanics, large easy-to-read LCD screen, "Absolute" function, measuring jaws ground and lapped, with locking screw, offset jaws for inside measurement, with fine adjustment



Art.	€	Range	Reading	Accuracy	Repeatability	Jaws	Back Jaws	Battery	Digit height
C047/300	€ 212,00	0÷300 mm 0÷12"	0,01 mm 0,0005"	0,03 mm	0,01 mm	90 mm	Ø 10 mm	2 x 3V CR2032	11 mm
C047/500	€ 358,00	0÷500 mm 0÷20"	0,01 mm 0,0005"	0,05 mm	0,01 mm	150 mm	Ø 20 mm	2 x 3V CR2032	11 mm
C047/1000	€ 795,00	0÷1000 mm 0÷40"	0,01 mm 0,0005"	0,06 mm	0,01 mm	150 mm	Ø 20 mm	2 x 3V CR2032	11 mm

C047-xB

PRO NEW

STAINLESS STEEL ELECTRONIC DIGITAL CALIPER WITH KNIFE POINTS

Hardened stainless steel mechanics, large easy-to-read LCD screen, "Absolute" function, measuring jaws ground and lapped, with locking screw, offset jaws for inside measurement, with fine adjustment



Art.	€	Range	Reading	Accuracy	Repeatability	Jaws	Back Jaws	Knife points	Battery	Digit height
C047/300B	€ 240,00	0÷300 mm 0÷12"	0,01 mm 0,0005"	0,03 mm	0,01 mm	90 mm	Ø 10 mm	38 mm	2 x 3V CR2032	11 mm
C047/500B	€ 388,00	0÷500 mm 0÷20"	0,01 mm 0,0005"	0,05 mm	0,01 mm	150 mm	Ø 20 mm	60 mm	2 x 3V CR2032	11 mm
C047/1000B	€ 937,00	0÷1000 mm 0÷40"	0,01 mm 0,0005"	0,06 mm	0,01 mm	150 mm	Ø 20 mm	63 mm	2 x 3V CR2032	11 mm

C005/150

€ 53,70

STAINLESS STEEL DIAL CALIPER



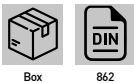
Range	0 ÷ 150 mm
Reading	0,01 mm
Jaws	40 mm
Beam	15,5 x 3 mm

C006-
STAINLESS STEEL DIAL CALIPER


Art.	€	Range	Reading	Jaws	Beam
C006/150	€ 48,10	0 ÷ 150 mm	0,02 mm	40 mm	16 x 3 mm
C006/200	€ 73,30	0 ÷ 200 mm	0,02 mm	50 mm	16 x 3 mm
C006/300	€ 119,00	0 ÷ 300 mm	0,02 mm	60 mm	20 x 4 mm

C018-
PRO
MONOBLOCK STAINLESS STEEL CHROMED VERNIER CALIPER


Art.	€	Range	Reading	Jaws	Beam
C018/150	€ 36,20	0÷150 mm 0÷6"	1/20 0,05 mm 1/128"	40 mm	16 x 3 mm
C018/200	€ 56,30	0÷200 mm 0÷8"	1/50 0,02 mm 1/1000"	50 mm	16 x 3 mm

C057/150
€ 20,80
CHROMED VERNIER CALIPER


Range	0÷150 mm 0÷6"
Reading	1/20 0,05 mm 1/128"
Jaws	40 mm
Beam	16 x 3 mm

C011-
PRO
MONOBLOCK STAINLESS STEEL CHROMED VERNIER CALIPER

High precision, with wheel for slider locking, measuring range 0 - 200mm



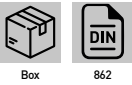
Art.	€	Range	Reading	Jaws	Beam
C011/150	€ 39,50	0÷150 mm 0÷6"	1/50 0,02 mm 1/1000"	40 mm	16 x 3 mm
C011/200	€ 65,40	0÷200 mm 0÷8"	1/50 0,02 mm 1/1000"	50 mm	16 x 3 mm



C019/150

€ 16,50

CHROMED VERNIER CALIPER



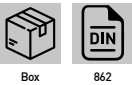
Range	0÷150 mm 0÷6"
Reading	1/20 0,05 mm 1/128"
Jaws	40 mm
Beam	16 x 3 mm



C056/200

€ 28,90

CHROMED VERNIER CALIPER



Range	0÷200 mm 0÷8"
Reading	1/50 0,02 mm 1/1000"
Jaws	50 mm
Beam	16,5 x 3,5 mm

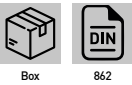


C049/300

€ 61,00

CHROMED VERNIER CALIPER

Fine adjustment



Range	0 ÷ 300 mm
Reading	1/50 - 0,02 mm
Jaws	60 mm
Beam	20 x 4 mm



C021-

PRO

MONOBLOCK STAINLESS STEEL CHROMED VERNIER CALIPER

Fine adjustment



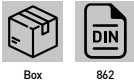
Art.	€	Range	Reading	Jaws	Beam
C021/300	€ 171,00	0÷300 mm 0÷12"	1/50 0,02 mm 1/1000"	100 mm	23 x 6 mm
C021/500	€ 235,00	0÷500 mm 0÷20"	1/50 0,02 mm 1/1000"	150 mm	23 x 6 mm
C021/1000	€ 525,00	0÷1000 mm 0÷40"	1/50 0,02 mm 1/1000"	150 mm	32 x 10 mm



C020-

CHROMED VERNIER CALIPER

Fine adjustment



Art.	€	Range	Reading	Jaws	Beam
C020/500	€ 148,00	0 ÷ 500 mm	1/50 0,02 mm	100 mm	23 x 6 mm
C020/1000	€ 365,00	0 ÷ 1000 mm	1/50 0,02 mm	150 mm	30 x 10 mm
C020/1500	€ 1020,00	0 ÷ 1500 mm	1/50 0,02 mm	225 mm	49 x 14 mm
C020/2000	€ 1650,00	0 ÷ 2000 mm	1/50 0,02 mm	250 mm	50 x 15 mm

C044-

STAINLESS STEEL ELECTRONIC DIGITAL DEPTH GAUGE

With 3 functions with big display



Art.	€	Range	Reading	Base	Beam
C044/200	€ 86,10	0÷200 mm 0÷8"	0,01 mm 0,0005"	100 mm	13 x 3,5 mm
C044/300	€ 148,00	0÷300 mm 0÷12"	0,01 mm 0,0005"	150 mm	15 x 4 mm

C007-

CHROMED VERNIER DEPTH GAUGE



Art.	€	Range	Reading	Base	Beam
C007/200	€ 37,30	0 ÷ 200 mm	1/50 0,02 mm	100 mm	9,6 x 4,5 mm
C007/300	€ 51,20	0 ÷ 300 mm	1/50 0,02 mm	100 mm	12 x 4 mm

C010/200

€ 53,90

SCRATCH VERNIER CALIPER

C010/200P € 7,90

2-BIT SET FOR CALIPER C010/200



Range	0÷200 mm 0÷8"
Reading	1/10 0,1 mm 1/64"
Jaws	10 mm
Beam	16 x 3 mm





CF08

NEW € 8,40

GAUGE TO MEASURE WHEEL NUT HOLES CENTER DISTANCE

Handy tool for measuring the hole circle on steel and aluminium rims. Suitable for 4 -, 5 -, 6 - and 8-hole rims



Box

Range 4-8 LUG 100 ÷ 210 mm

T092-

ELECTRONIC DIGITAL MULTI FUNCTION HEIGHTGAUGE

With 4 functions and big display, with scriber



Box

Art.	€	Range	Reading	Accuracy	Net weight
T092/300	€ 542,00	0÷300 mm 0÷12"	0,01 mm 0,0005"	0,03 mm 0,015"	4 kg
T092/600	€ 901,00	0÷600 mm 0÷24"	0,01 mm 0,0005"	0,05 mm 0,025"	9 kg

T093-

PRO NEW

ELECTRONIC DIGITAL MULTI FUNCTION HEIGHTGAUGE

With integrated Bluetooth technology, stainless steel guide bar, with hand wheel for quick adjustment, "Absolute" function, carbide tipped steel scriber, with data connection for digital gauges, with built-in connection for external power supply, cast iron base



Box

INOX

Art.	€	Range	Reading	Accuracy	Repeatability	Beam	Base dimensions
T093/300	€ 710,00	0÷300 mm 0÷12"	0,01 mm 0,0005"	0,03 mm	0,02 mm	35 x 15 mm	150 x 100 x 50 mm
T093/600	€ 1020,00	0÷600 mm 0÷24"	0,01 mm 0,0005"	0,05 mm	0,02 mm	35 x 15 mm	150 x 100 x 50 mm

T100-

VERNIER HEIGHTGAUGE CHROME PLATED

With scriber



Box

Art.	€	Range	Reading	Net weight
T100/300	€ 110,00	0 ÷ 300 mm	0,02 mm	2 kg
T100/500	€ 218,00	0 ÷ 500 mm	0,02 mm	5,5 kg

REAx-FS
STAINLESS STEEL RULE

Etched scale for easier reading; flexible version, reading from left to right, non glare matte surface.



Art.	€	Length	Stem
REA0150/FS	€ 3,10	150 mm	13 x 0.5 mm
REA0300/FS	€ 4,12	300 mm	13 x 0.5 mm
REA0500/FS	€ 7,20	500 mm	18 x 0.5 mm
REA1000/FS	€ 17,30	1000 mm	18 x 0.5 mm


REAx-FD
STAINLESS STEEL RULE

Etched scale for easier reading; flexible version, reading from right to left, non glare matte surface.



Art.	€	Length	Stem
REA0150/FD	€ 3,10	150 mm	13 x 0.5 mm
REA0300/FD	€ 4,12	300 mm	13 x 0.5 mm
REA0500/FD	€ 7,20	500 mm	18 x 0.5 mm
REA1000/FD	€ 17,30	1000 mm	18 x 0.5 mm


REAx-RS
STAINLESS STEEL RULE

Etched scale for easier reading; semi rigid version, reading from left to right, non glare matte surface



Art.	€	Length	Stem
REA0300/RS	€ 7,90	300 mm	30 x 1.0 mm
REA0500/RS	€ 16,50	500 mm	30 x 1.0 mm
REA1000/RS	€ 31,50	1000 mm	30 x 1.0 mm
REA2000/RS	€ 58,60	2000 mm	30 x 1.0 mm


REAx-RD
STAINLESS STEEL RULE

Etched scale for easier reading; semi rigid version, reading from right to left, non glare matte surface.



Art.	€	Length	Stem
REA0300/RD	€ 7,90	300 mm	30 x 1.0 mm
REA0500/RD	€ 16,50	500 mm	30 x 1.0 mm
REA1000/RD	€ 31,50	1000 mm	30 x 1.0 mm
REA2000/RD	€ 58,60	2000 mm	30 x 1.0 mm


REAx-RS-MID
STAINLESS STEEL RULE MID

Etched scale for easier reading; semi rigid version, reading from left to right, non glare matte surface, EC II tolerance MID.



Art.	€	Length	Stem
REA0500/RS/MID	€ 19,40	500 mm	30 x 1.0 mm
REA1000/RS/MID	€ 37,80	1000 mm	30 x 1.0 mm
REA2000/RS/MID	€ 75,50	2000 mm	30 x 1.0 mm





REAx-RD-MID

STAINLESS STEEL RULE MID

Etched scale for easier reading; semi rigid version, reading from right to left, non glare matte surface, EC II tolerance MID.



INOX



Hangable



Art.	€	Length	Stem
REA0500/RD/MID	€ 19,40	500 mm	30 x 1.0 mm
REA1000/RD/MID	€ 37,80	1000 mm	30 x 1.0 mm
REA2000/RD/MID	€ 75,50	2000 mm	30 x 1.0 mm

RLAx-RS-MID

STAINLESS STEEL RULE MID

Laser engraved scale for easier reading; semi rigid version, reading from left to right, non glare matte surface, EC II tolerance MID.



INOX



Hangable



Art.	€	Length	Stem
RLA0500/RS/MID	€ 50,60	500 mm	30 x 1.0 mm
RLA1000/RS/MID	€ 99,00	1000 mm	30 x 1.0 mm
RLA2000/RS/MID	€ 199,00	2000 mm	30 x 1.0 mm

RLAx-RD-MID

STAINLESS STEEL RULE MID

Laser engraved scale for easier reading; semi rigid version, reading from right to left, non glare matte surface, EC II tolerance MID



INOX



Hangable



Art.	€	Length	Stem
RLA0500/RD/MID	€ 50,60	500 mm	30 x 1.0 mm
RLA1000/RD/MID	€ 99,00	1000 mm	30 x 1.0 mm
RLA2000/RD/MID	€ 199,00	2000 mm	30 x 1.0 mm

REGx-FS

STAINLESS STEEL RULE WITH HOOK 90°

Etched scale for easier reading; flexible version, reading from left to right, non glare matte surface.



INOX



Hangable



Art.	€	Length	Stem
REG0200/FS	€ 11,90	200 mm	13 x 0.5 mm
REG0300/FS	€ 13,50	300 mm	13 x 0.5 mm
REG0500/FS	€ 26,70	500 mm	18 x 0.5 mm

Rx

SCALE WITH MULTIFUNCTION DIGITAL READOUT

The scale can be cut to reach the desired length functions: on/off - mm/inch - zero - abs/inc - auto power off.



Box



Art.	€	Total length	Range	Reading
R060	€ 82,00	630 mm - 24.8" inch	500 mm - 19.7"	0,01 mm 0.001"
R100	€ 107,00	1000 mm - 40" inch	900 mm - 35"	0,01 mm 0.001"

C064 € 105,00

MULTIFUNCTIONAL ELECTRONIC DIGITAL INDICATOR LARGE DISPLAY

Functions: zero point at any position, mm/inch, conversion, hold, min/max functions, auto power off.



Range	0÷12,7 mm 0÷0,5"
Reading	0,01 mm 0,005"
Accuracy	0,02 mm 0,002"
Dial size	60 mm
Battery	SR44W

C060 **PRO** € 220,00

MULTIFUNCTIONAL ELECTRONIC DIGITAL INDICATOR LARGE DISPLAY

Functions: zero point at any position, mm/inch conversion, hold, min, max functions, auto power off.



Range	0÷12,7 mm 0÷0,5"
Reading	0,001 mm 0,0005"
Accuracy	0,005 mm 0,0025"
Dial size	60 mm
Battery	CR2025

C004 **PRO** € 86,50

DIAL INDICATOR



Dial size	60 mm
Range	0 ÷ 1 mm
Reading	0,001 mm
Accuracy	0,002 mm

C017 **PRO** € 59,90

SHOCKPROOF AND SPLASHPROOF DIAL INDICATOR

With movement on jewels, with back lug



Dial size	60 mm
Range	10 mm
Reading	0,01 mm
Accuracy	0,015 mm

C002 € 52,00

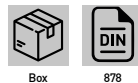
DIAL INDICATOR



Dial size	60 mm
Range	10 mm
Reading	0,01 mm
Accuracy	0,015 mm

C023 € 30,50

DIAL INDICATOR



Dial size	60 mm
Range	10 mm
Reading	0,01 mm
Accuracy	0,015 mm

C023G € 20,10

DIAL INDICATOR



Dial size	60 mm
Range	10 mm
Reading	0,01 mm
Accuracy	0,015 mm

C023/N € 34,50

DIAL INDICATOR



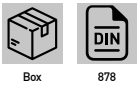
Dial size	60 mm
Range	10 mm
Reading	0,01 mm
Accuracy	0,015 mm



C002/42

€ 37,50

DIAL INDICATOR



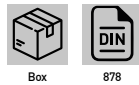
Dial size	42 mm
Range	5 mm
Reading	0,01 mm
Accuracy	0,015 mm

C048

€ 73,40

DIAL INDICATOR

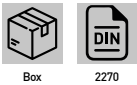
With back lug



Dial size	60 mm
Range	30 mm
Reading	0,01 mm
Accuracy	0,015 mm

T003-

DIAL TEST INDICATOR



Art.	€	Dial size	Range	Reading	Accuracy	Contact point
T003	€ 92,30	32 mm	0,8 mm	0,01 mm	0,015 mm	Ø 2 mm
T003G	€ 54,80	32 mm	0,8 mm	0,01 mm	0,008 mm	Ø 2 mm

T007-

DIAL TEST INDICATOR

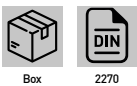


Art.	€	Dial size	Range	Reading	Accuracy	Contact point
T007	€ 93,20	40 mm	0,8 mm	0,01 mm	0,011 mm	Ø 2 mm
T007G	€ 59,40	40 mm	0,8 mm	0,01 mm	0,008 mm	Ø 2 mm

T006

€ 99,60

DIAL TEST INDICATOR WITH LONG CONTACT POINT



Dial size	40 mm
Range	0,8 mm
Reading	0,01 mm
Accuracy	0,011 mm
Contact point	Ø 2 mm
Contact point length	29 mm

T005

PRO € 110,00

DIAL TEST INDICATOR



Dial size	32 mm
Range	0,2 mm
Reading	0,002 mm
Accuracy	0,005 mm
Contact point	Ø 2 mm

T011

€ 84,40

DIAL TEST INDICATOR



Dial size	32 mm
Range	0,8 mm
Reading	0,01 mm
Accuracy	0,011 mm
Contact point	Ø 2 mm

A016-
BORE GAUGE SET WITH DIAL INDICATOR



Box

Art.	€	Range	Reading	Depth
A016/6/10	€ 142,00	6 ÷ 10 mm	0,01 mm	40 mm
A016/10/18	€ 147,00	10 ÷ 18 mm	0,01 mm	100 mm
A016/18/35	€ 147,00	18 ÷ 35 mm	0,01 mm	125 mm
A016/35/50	€ 147,00	35 ÷ 50 mm	0,01 mm	150 mm
A016/50/160	€ 147,00	50 ÷ 160 mm	0,01 mm	150 mm
A016/160/250	€ 164,00	160 ÷ 250 mm	0,01 mm	400 mm
A016/250/450	€ 186,00	250 ÷ 450 mm	0,01 mm	400 mm

M055/120 € 95,90
DIAL THICKNESS GAUGE



Box

Range	0 ÷ 10 mm
Reading	0,01 mm
Throat depth	120 mm

C016 € 157,00
DIAL DEPTH GAUGE



Box

Range	0 ÷ 110 mm
Dial indicator range	0 ÷ 10 mm
Base dimensions	63 x 17 mm
Reading	0,01 mm
Extension bars	10 pz

M062 € 23,80
DIGITAL DIAL THICKNESS GAUGE



Box

Range	0÷12 mm - 0÷0,5"
Reading	0,01 mm 0,0005"
Throat depth	20 mm
Accuracy	±0,1 mm 0,004"

M055 € 63,00
DIAL THICKNESS GAUGE



Box

Range	0 ÷ 10 mm
Reading	0,01 mm
Throat depth	9 ÷ 16 mm

C014-
DIAL INSIDE GAUGE



Box

Art.	€	Range	Depth	Anvil	Reading
C014/15/35	€ 142,00	15 ÷ 35 mm	50 mm	Ø 3 x 3 mm	0,01 mm
C014/35/55	€ 142,00	35 ÷ 55 mm	80 mm	Ø 3 x 6 mm	0,01 mm
C014/55/75	€ 142,00	55 ÷ 75 mm	80 mm	Ø 3 x 6 mm	0,01 mm
C014/75/95	€ 142,00	75 ÷ 95 mm	100 mm	Ø 3 x 8 mm	0,01 mm

A020 € 134,00
ZERO SETTING WITH DIAL INDICATOR WITH MAGNETIC BASE



Box

Zero setting height	50 mm
Reading	0,01 mm
Range	0 ÷ 8 mm



A021 **PRO NEW** € 124,00

ZERO SETTING WITH DIAL INDICATOR WITH MAGNETIC BASE

To position or reset the height of tools, such as end mills, directly on the machine tools, also determining the position of the machine spindle



Range	0±2,40 mm 0=0,094"
Reading	0,01 mm 0,0005"
Platform dimensions	Ø 24 mm
Digit height	8 mm
Battery	1 x 3V CR2032
Dimensions	Ø 50 x 51 mm



C062 € 37,50

MECHANICAL EDGE FINDER



Shank	Ø 10 mm
Anvil	Ø 4 - 10 mm



C063 € 71,90

ELECTRONIC EDGE FINDER



Shank	Ø 20 mm
Contact point	Ø 10 mm
Total length	100 mm
Power	2 x SR44W



C063/L **PRO** € 87,90

ELECTRONIC EDGE FINDER

With led light and audible beep



Shank	Ø 20 mm
Contact point	Ø 10 mm
Total length	160 mm
Power	2 x LR1 1.5 V



C061 € 227,00

CO-AX INDICATOR

With positioning rod



Dial indicator	Ø 40 mm
Swing	4,9 mm
Reading	0,01 mm
Max speed	800 rpm
Cylindric shank	Ø 10 mm
Straight feelers	3
Bent feelers	3
Feeler length	50 - 100 - 150 mm
Contact point	Ø 3 mm
Scriber point	50 mm

M021-

ELECTRONIC DIGITAL MICROMETER

Friction thimble with carbide faces, functions: abs/inc, set, on/off and mm/inch.



Art.	€	Size	Reading	Accuracy
M021/00/25	€ 92,30	0 ÷ 25 mm - 0 ÷ 1"	0,001 mm - 0,00005"	0,003 mm - 0,00015"
M021/25/50	€ 115,00	25 ÷ 50 mm - 1" ÷ 2"	0,001 mm - 0,00005"	0,003 mm - 0,00015"
M021/50/75	€ 139,00	50 ÷ 75 mm - 2" ÷ 3"	0,001 mm - 0,00005"	0,004 mm - 0,0002"
M021/75/100	€ 162,00	75 ÷ 100 mm - 3" ÷ 4"	0,001 mm - 0,00005"	0,004 mm - 0,0002"

PRO

M026-

ELECTRONIC DIGITAL MICROMETER

Friction thimble with carbide faces



Art.	€	Size	Reading	Accuracy
M026/0/25	€ 179,00	0 ÷ 25 mm - 0 ÷ 1"	0,001 mm 0,0001"	0,0002 mm 0,00008"
M026/25/50	€ 224,00	25 ÷ 50 mm - 1 ÷ 2"	0,001 mm 0,0001"	0,0002 mm 0,00008"
M026/50/75	€ 241,00	50 ÷ 75 mm - 2 ÷ 3"	0,001 mm 0,0001"	0,0003 mm 0,00012"
M026/75/100	€ 267,00	75 ÷ 100 mm - 3 ÷ 4"	0,001 mm 0,0001"	0,0003 mm 0,00012"

M022-

CHROMED OUTSIDE MICROMETER

With big 100 step graduation thimble with carbide faces and friction on thimble



Art.	€	Size	Reading	Accuracy
M022/00/25	€ 67,80	0 ÷ 25 mm	0,01 mm	0,004 mm
M022/25/50	€ 84,30	25 ÷ 50 mm	0,01 mm	0,004 mm
M022/50/75	€ 99,20	50 ÷ 75 mm	0,01 mm	0,005 mm
M022/75/100	€ 114,00	75 ÷ 100 mm	0,01 mm	0,005 mm

M033

€ 197,00

OUTSIDE MICROMETER SET

With carbide faces and painted frame



Size	0÷25 - 25÷50 - 50÷75 - 75÷100 - 100÷125 - 125÷150 mm
Reading	0,01 mm
Accuracy	0,004 - 0,004 - 0,005 - 0,005 - 0,006 - 0,006 mm
Spindle	Ø 6,3 mm

M033-

CHROMED OUTSIDE MICROMETER

With carbide faces and painted frame



Art.	€	Size	Reading	Spindle
M033/00/25	€ 24,80	0÷25 mm	0,01 mm	Ø 6,3 mm
M033/25/50	€ 34,80	25÷50 mm	0,01 mm	Ø 6,3 mm
M033/50/75	€ 38,90	50÷75 mm	0,01 mm	Ø 6,3 mm
M033/75/100	€ 43,10	75÷100 mm	0,01 mm	Ø 6,3 mm

M033-x

CHROMED OUTSIDE MICROMETER

With carbide faces and painted frame



Art.	€	Size	Reading	Spindle
M033/100/125	€ 46,10	100÷125 mm	0,01 mm	Ø 6,3 mm
M033/125/150	€ 49,20	125÷150 mm	0,01 mm	Ø 6,3 mm
M033/150/175	€ 58,80	150÷175 mm	0,01 mm	Ø 6,3 mm
M033/175/200	€ 67,00	175÷200 mm	0,01 mm	Ø 6,3 mm
M033/200/225	€ 77,70	200÷225 mm	0,01 mm	Ø 6,3 mm
M033/225/250	€ 94,90	225÷250 mm	0,01 mm	Ø 6,3 mm
M033/250/275	€ 97,70	250÷275 mm	0,01 mm	Ø 6,3 mm
M033/275/300	€ 110,00	275÷300 mm	0,01 mm	Ø 6,3 mm



M009-

CHROMED OUTSIDE MICROMETER

With carbide faces and painted frame



HM



Art.	€	Size	Reading	Spindle
M009/300/400	€ 338,00	300 ÷ 400 mm	0,01 mm	ø 6,5 mm
M009/400/500	€ 369,00	400 ÷ 500 mm	0,01 mm	ø 6,5 mm
M009/500/600	€ 426,00	500 ÷ 600 mm	0,01 mm	ø 6,5 mm
M009/600/700	€ 507,00	600 ÷ 700 mm	0,01 mm	ø 6,5 mm
M009/700/800	€ 608,00	700 ÷ 800 mm	0,01 mm	ø 6,5 mm
M009/800/900	€ 702,00	800 ÷ 900 mm	0,01 mm	ø 6,5 mm
M009/900/1000	€ 834,00	900 ÷ 1000 mm	0,01 mm	ø 6,5 mm
M009/1000/1200	€ 1230,00	1000 ÷ 1200 mm	0,01 mm	ø 6,5 mm

M010-

DISC MICROMETER

Painted frame



DIN

Art.	€	Size	Reading	Discs
M010/0/25	€ 106,00	0 ÷ 25 mm	0,01 mm	Ø 20 mm
M010/25/50	€ 130,00	25 ÷ 50 mm	0,01 mm	Ø 20 mm
M010/50/75	€ 137,00	50 ÷ 75 mm	0,01 mm	Ø 20 mm
M010/75/100	€ 144,00	75 ÷ 100 mm	0,01 mm	Ø 20 mm
M010/100/125	€ 184,00	100 ÷ 125 mm	0,01 mm	Ø 27 mm
M010/125/150	€ 209,00	125 ÷ 150 mm	0,01 mm	Ø 27 mm
M010/150/175	€ 232,00	150 ÷ 175 mm	0,01 mm	Ø 27 mm
M010/175/200	€ 245,00	175 ÷ 200 mm	0,01 mm	Ø 27 mm

M019-

BLIND HOLE THREE POINT INSIDE MICROMETER



Art.	€	Ring	Size	Reading	Accuracy
M019/06/08	€ 377,00	1	6 ÷ 8 mm	0,001 mm	0,004 mm
M019/08/10	€ 377,00	1	8 ÷ 10 mm	0,001 mm	0,004 mm
M019/10/12	€ 377,00	1	10 ÷ 12 mm	0,001 mm	0,004 mm
M019/12/16	€ 353,00	1	12 ÷ 16 mm	0,005 mm	0,004 mm
M019/16/20	€ 353,00	1	16 ÷ 20 mm	0,005 mm	0,004 mm
M019/20/25	€ 379,00	1	20 ÷ 25 mm	0,005 mm	0,004 mm
M019/25/30	€ 379,00	1	25 ÷ 30 mm	0,005 mm	0,004 mm
M019/30/40	€ 417,00	1	30 ÷ 40 mm	0,005 mm	0,004 mm
M019/40/50	€ 497,00	1	40 ÷ 50 mm	0,005 mm	0,005 mm
M019/50/63	€ 507,00	1	50 ÷ 63 mm	0,005 mm	0,005 mm
M019/62/75	€ 561,00	1	62 ÷ 75 mm	0,005 mm	0,005 mm
M019/75/88	€ 568,00	1	75 ÷ 88 mm	0,005 mm	0,005 mm
M019/87/100	€ 568,00	1	87 ÷ 100 mm	0,005 mm	0,005 mm
M019/100/125	€ 632,00	0	100 ÷ 125 mm	0,005 mm	0,005 mm
M019/125/150	€ 698,00	0	125 ÷ 150 mm	0,005 mm	0,005 mm

M019-x

BLIND HOLE THREE POINT INSIDE MICROMETER SET



Carrying case

Art.	€	Micrometers	Rings	Size	Reading	Accuracy
M019/06/12	€ 981,00	3	3	6 ÷ 12 mm	0,001 mm	0,004 mm
M019/12/20	€ 535,00	2	1	12 ÷ 20 mm	0,005 mm	0,004 mm
M019/20/40	€ 1040,00	3	2	20 ÷ 40 mm	0,005 mm	0,004 mm
M019/40/100	€ 2290,00	5	3	40 ÷ 100 mm	0,005 mm	0,005 mm

M013/0/100

€ 120,00

DEPTH MICROMETER



Carrying case

Range	0÷25 mm, 25÷50 mm, 50÷75 mm, 75÷100 mm
Reading	0,01 mm
Base	100 x 17 mm


B0x
NEW
METRIC GAUGE BLOCK SET

Inspection certificate issued by the factory, Accredia certificate upon request



Carrying case



3650



Art.	€	Grade	Pieces	Nominal size (mm)	Increment (mm)	Pcs by step
B008/1	€ 1030,00	1	8	25 - 50 - 75 - 100 - 250 - 300 - 400 - 500	-	1
B011/0	€ 212,00	0	11	2,5 - 5,1 - 7,7 - 10,3 - 12,9 - 15 - 17,6 - 20,2 - 22,8 - 23,4 - 25	-	1
B032/0	€ 429,00	0	32	1,005	-	1
				1,01±1,09	-	9
				1,1±1,9	0,01	9
				1±9	0,1	9
				10 - 20 - 30 - 50	1	4
B032/1	€ 266,00	1	32	1,005	-	1
				1,01±1,09	-	9
				1,1±1,9	0,01	9
				1±9	0,1	9
				10 - 20 - 30 - 50	1	4
B032/2	€ 149,00	2	32	1,005	-	1
				1,01±1,09	-	9
				1,1±1,9	0,01	9
				1±9	0,1	9
				10 - 20 - 30 - 50	1	4
B047/0	€ 610,00	0	47	1,005	-	1
				1,01±1,2	0,01	20
				1,3±1,9	0,1	7
				1±9	1	9
				10±100	10	10
B047/1	€ 361,00	1	47	1,005	-	1
				1,01±1,2	0,01	20
				1,3±1,9	0,1	7
				1±9	1	9
				10±100	10	10
B047/2	€ 214,00	2	47	1,005	-	1
				1,01±1,2	0,01	20
				1,3±1,9	0,1	7
				1±9	1	9
				10±100	10	10
B087/0	€ 1020,00	0	87	1,001±1,009	0,001	9
				1,01±1,49	0,01	49
				0,5±9,5	0,5	19
				10±100	10	10
B087/1	€ 544,00	1	87	1,001±1,009	0,001	9
				1,01±1,49	0,01	49
				0,5±9,5	0,5	19
				10±100	10	10
B087/2	€ 333,00	2	87	1,001±1,009	0,001	9
				1,01±1,49	0,01	49
				0,5±9,5	0,5	19
				10±100	10	10
B103/0	€ 1170,00	0	103	1,005	-	1
				1,01±1,49	0,01	49
				0,5±24,5	0,5	49
				25±100	25	4
B103/1	€ 722,00	1	103	1,005	-	1
				1,01±1,49	0,01	49
				0,5±24,5	0,5	49
				25±100	25	4
B103/2	€ 407,00	2	103	1,005	-	1
				1,01±1,49	0,01	49
				0,5±24,5	0,5	49
				25±100	25	4
B112/0	€ 1020,00	0	112	1,005	-	1
				1,001 ± 1,009	0,001	9
				1,01 ± 1,49	0,01	49
				0,5 ± 24,5	0,5	49
				25 ± 100	25	4
B112/1	€ 721,00	1	112	1,005	-	1
				1,001 ± 1,009	0,001	9
				1,01 ± 1,49	0,01	49
				0,5 ± 24,5	0,5	49
				25 ± 100	25	4

**C025-****H7 HOLE PLAIN GAUGE WITH "GO" & "NO GO" CHECKS MADE OF HARDENED ALLOY STEEL**

Art.	€	ø	Pieces
C025/03	€ 34,30	3 mm	1
C025/04	€ 34,30	4 mm	1
C025/05	€ 34,30	5 mm	1
C025/06	€ 34,30	6 mm	1
C025/07	€ 34,30	7 mm	1
C025/08	€ 34,30	8 mm	1
C025/09	€ 34,30	9 mm	1
C025/10	€ 34,30	10 mm	1
C025/11	€ 42,50	11 mm	1
C025/12	€ 42,50	12 mm	1
C025/13	€ 42,50	13 mm	1
C025/14	€ 42,50	14 mm	1
C025/15	€ 42,50	15 mm	1
C025/16	€ 42,50	16 mm	1
C025/17	€ 42,50	17 mm	1
C025/18	€ 42,50	18 mm	1
C025/19	€ 42,50	19 mm	1
C025/20	€ 42,50	20 mm	1
C025/21	€ 63,60	21 mm	1
C025/22	€ 63,60	22 mm	1
C025/23	€ 63,60	23 mm	1
C025/24	€ 63,60	24 mm	1
C025/25	€ 63,60	25 mm	1
C025/26	€ 63,60	26 mm	1
C025/27	€ 63,60	27 mm	1
C025/28	€ 63,60	28 mm	1
C025/29	€ 63,60	29 mm	1
C025/30	€ 79,70	30 mm	1
C025/32	€ 79,70	32 mm	1
C025/33	€ 79,70	33 mm	1
C025/34	€ 79,70	34 mm	1
C025/35	€ 79,70	35 mm	1
C025/36	€ 79,70	36 mm	1
C025/37	€ 79,70	37 mm	1
C025/38	€ 79,70	38 mm	1
C025/40	€ 79,70	40 mm	1
C025/42	€ 79,70	42 mm	1
C025/44	€ 79,70	44 mm	1
C025/45	€ 89,60	45 mm	1
C025/46	€ 89,70	46 mm	1
C025/47	€ 89,70	47 mm	1
C025/48	€ 89,70	48 mm	1
C025/50	€ 89,70	50 mm	1
C025/51	€ 96,20	51 mm	1
C025/52	€ 96,20	52 mm	1
C025/55	€ 96,20	55 mm	2
C025/56	€ 96,20	56 mm	2
C025/57	€ 96,20	57 mm	2
C025/58	€ 96,20	58 mm	2
C025/59	€ 96,20	59 mm	2
C025/60	€ 96,20	60 mm	2
C025/62	€ 116,00	62 mm	2
C025/63	€ 116,00	63 mm	2
C025/65	€ 116,00	65 mm	2
C025/66	€ 116,00	66 mm	2
C025/67	€ 116,00	67 mm	2
C025/68	€ 116,00	68 mm	2
C025/69	€ 116,00	69 mm	2
C025/70	€ 154,00	70 mm	2
C025/71	€ 154,00	71 mm	2
C025/72	€ 154,00	72 mm	2
C025/74	€ 154,00	74 mm	2
C025/75	€ 154,00	75 mm	2
C025/76	€ 154,00	76 mm	2
C025/78	€ 154,00	78 mm	2
C025/80	€ 154,00	80 mm	2

C025-3x**H7 HOLE PLAIN GAUGE SET "GO" & "NO GO"**

Carrying case

Art.	€	Pieces	Pitch	ø
C025/3/30	€ 1080,00	28	1 mm	3 ÷ 30 mm
C025/32/62	€ 1290,00	16	-	32-35-37-38-40-42-45-47-48-50-52-55-56-58-60-62 mm

A015-**RING GAUGE FOR ZERO SETTING**

6g accuracy.



2250

Art.	€	Size
A015/008	€ 51,90	8 mm
A015/010	€ 58,20	10 mm
A015/011	€ 58,20	11 mm
A015/017	€ 63,60	17 mm
A015/025	€ 63,60	25 mm
A015/035	€ 63,60	35 mm
A015/040	€ 108,00	40 mm
A015/062	€ 120,00	62 mm
A015/087	€ 283,00	87 mm
A015/100	€ 298,00	100 mm
A015/125	€ 461,00	125 mm
A015/150	€ 647,00	150 mm



T048x

THREAD PLUG GAUGE "GO" & "NO GO"

Cylindric bsp



Art.	€	Dimensions
T0481/8	€ 64,50	1/8" - 28 TPI
T0481/4	€ 64,50	1/4" - 19 TPI
T0483/8	€ 64,50	3/8" - 19 TPI
T0481/2	€ 83,00	1/2" - 14 TPI
T0485/8	€ 96,80	5/8" - 14 TPI
T0483/4	€ 103,00	3/4" - 14 TPI
T0487/8	€ 134,00	7/8" - 14 TPI
T0481	€ 157,00	1" - 11 TPI

T049x

6H "GO" & "NO GO" ISOMETRIC THREAD PLUG GAUGE



Art.	€	Dimensions
T0493X0.5	€ 59,10	3 x 0,5 mm
T0494X0.7	€ 76,10	4 x 0,7 mm
T0495X0.8	€ 78,70	5 x 0,8 mm
T0496X1	€ 78,70	6 x 1 mm
T0498X1	€ 71,70	8 x 1 mm
T0498X1.25	€ 71,70	8 x 1,25 mm
T04910X1	€ 73,40	10 x 1 mm
T04910X1.25	€ 73,40	10 x 1,25 mm
T04910X1.5	€ 73,40	10 x 1,5 mm
T04912X1.25	€ 73,40	12 x 1,25 mm
T04912X1.5	€ 73,40	12 x 1,5 mm
T04912X1.75	€ 73,40	12 x 1,75 mm
T04914X1.5	€ 78,70	14 x 1,5 mm
T04914X2	€ 78,70	14 x 2 mm
T04916X1.5	€ 82,20	16 x 1,5 mm
T04916X2	€ 82,20	16 x 2 mm
T04918X1.5	€ 61,00	18 x 1,5 mm
T04918X2.5	€ 61,00	18 x 2,5 mm
T04920X1.5	€ 66,80	20 x 1,5 mm
T04920X2.5	€ 66,80	20 x 2,5 mm
T04922X1.5	€ 68,40	22 x 1,5 mm
T04922X2.5	€ 68,40	22 x 2,5 mm
T04924X1.5	€ 71,70	24 x 1,5 mm
T04924X2	€ 71,70	24 x 2 mm
T04924X3	€ 71,70	24 x 3 mm

A018x

"GO" SCREW GAUGE

"go" screw gauge, cylindric bsp



Art.	€	Dimensions
A0181/8	€ 66,50	1/8" - 28 TPI
A0181/4	€ 66,50	1/4" - 19 TPI
A0183/8	€ 66,50	3/8" - 19 TPI
A0181/2	€ 91,20	1/2" - 14 TPI
A0185/8	€ 91,20	5/8" - 14 TPI
A0183/4	€ 111,00	3/4" - 14 TPI
A0187/8	€ 134,00	7/8" - 14 TPI
A0181	€ 97,70	1" - 11 TPI

A017x

6G "GO" ISOMETRIC SCREW GAUGE



Art.	€	Dimensions
A0173X0.5	€ 57,30	3 x 0,5 mm
A0174X0.7	€ 64,50	4 x 0,7 mm
A0175X0.8	€ 64,50	5 x 0,8 mm
A0176X1	€ 53,70	6 x 1 mm
A0178X1	€ 53,70	8 x 1 mm
A0178X1.25	€ 53,70	8 x 1,25 mm
A01710X1	€ 76,10	10 x 1 mm
A01710X1.25	€ 59,10	10 x 1,25 mm
A01710X1.5	€ 59,10	10 x 1,5 mm
A01712X1.25	€ 82,20	12 x 1,25 mm
A01712X1.5	€ 82,20	12 x 1,5 mm
A01712X1.75	€ 82,20	12 x 1,75 mm
A01714X2	€ 82,20	14 x 2 mm
A01716X1.5	€ 87,10	16 x 1,5 mm
A01716X2	€ 87,10	16 x 2 mm
A01718X1.5	€ 61,00	18 x 1,5 mm
A01718X2.5	€ 61,00	18 x 2,5 mm
A01720X1.5	€ 64,30	20 x 1,5 mm
A01720X2.5	€ 64,30	20 x 2,5 mm
A01722X1.5	€ 73,30	22 x 1,5 mm
A01722X2.5	€ 73,30	22 x 2,5 mm
A01724X1.5	€ 97,70	24 x 1,5 mm
A01724X2	€ 97,70	24 x 2 mm
A01724X3	€ 97,70	24 x 3 mm

S091

STEEL PLUG GAUGE SET

€ 474,00



Carrying case

Pieces	91
Size	1±10 mm
Increment	0,1 mm
Length	50 mm
Hardness	HRC-60-62
Accuracy	±0,002 mm





T009 € 31,90
DIAL INDICATOR HOLDER



Shank	∅ 8 mm
Female junction	∅ 4 mm

B201/1 € 16,60
MAGNETIC BASE
N35 magnetic material, abs switch and prismatic base



Base dimensions	36 x 30 x 35 mm
Hole	M5 x 0,8
Magnetic force	300 N

B201/2 € 19,70
MAGNETIC BASE
N35 magnetic material, abs switch and prismatic base



Base dimensions	60 x 50 x 55 mm
Hole	M8 x 1,25
Magnetic force	800 N

B201/3 € 26,00
MAGNETIC BASE
N35 magnetic material, abs switch and prismatic base



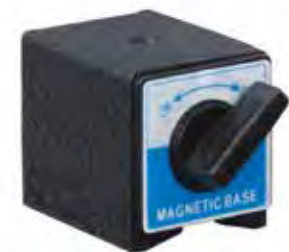
Base dimensions	73 x 50 x 55 mm
Hole	M8 x 1,25
Magnetic force	1000 N

B201/4 € 36,30
MAGNETIC BASE
N35 magnetic material, abs switch and prismatic base



Base dimensions	117 x 50 x 55 mm
Hole	M8 x 1,25
Magnetic force	1300 N

B100 € 23,70
MAGNETIC STAND
Abs switch and prismatic base



Dimensions	63 x 50 x 55h mm
Hole	M 8 x 1,25
Magnetic force	600 N

S052/2 € 31,20
MAGNETIC STAND
With micrometric adjustment, sturdy column and adjustable arm. magnetic base with prismatic support and switch



Main stem	∅ 12 x 176 mm
Assistant stem	∅ 10 x 150 mm
Magnetic force	800 N
Base dimensions	60 x 50 x 55 mm

S052/3 € 54,00
MAGNETIC STAND
With micrometric adjustment, sturdy column and adjustable arm. Magnetic base with prismatic support and switch.



Main stem	∅ 16 x 225 mm
Assistant stem	∅ 14 x 165 mm
Magnetic force	1000 N
Base dimensions	73 x 50 x 55 mm

S052/4

€ 80,00

MAGNETIC STAND

With micrometric adjustment, sturdy column and adjustable arm. magnetic base with prismatic support and switch



Carrying case

Main stem	ø 20 x 355 mm
Assistant stem	ø 14 x 210 mm
Magnetic force	1300 N
Base dimensions	117 x 50 x 55 mm



S049

€ 35,20

MAGNETIC STAND

With microadjustment



Carrying case

Main stem	ø 12 x 170 mm
Assistant stem	ø 10 x 150 mm
Magnetic force	600 N
Base dimensions	63 x 50 x 55h mm



S047

€ 65,90

MAGNETIC STAND

With microadjustment



Carrying case

Main stem	ø 16 x 220 mm
Assistant stem	ø 12 x 180 mm
Magnetic force	800 N
Base dimensions	65 x 50 x 55h mm



S054

€ 31,90

MAGNETIC STAND



Carrying case

Main stem	ø 12 x 170 mm
Assistant stem	ø 10 x 165 mm
Magnetic force	600 N
Base dimensions	63 x 50 x 55h mm



S055

€ 62,20

MAGNETIC STAND



Carrying case

Main stem	ø 16 x 210 mm
Assistant stem	ø 12 x 175 mm
Magnetic force	800 N
Base dimensions	75 x 50 x 55h mm



S042/1

€ 57,50

UNIVERSAL MECHANICAL ARM STAND

With 3d central lock



Carrying case

Base dimensions	36 x 30 x 35 mm
Magnetic force	300 N
Arm length	145 mm



S042/2

€ 72,70

UNIVERSAL MECHANICAL ARM STAND

With micrometric adjustment and 3d central lock



Carrying case

Base dimensions	60 x 50 x 55 mm
Magnetic force	800 N
Arm length	290 mm



S042/3

€ 93,50

UNIVERSAL MECHANICAL ARM STAND

With micrometric adjustment and 3d central lock



Carrying case

Base dimensions	75 x 50 x 55 mm
Magnetic force	1000 N
Arm length	365 mm





S045 € 73,80

UNIVERSAL MECHANICAL ARM STAND



Carrying case

Main stem	Ø 12 x 160 mm
Assistant stem	Ø 10 x 180 mm
Magnetic force	600 N
Base dimensions	63 x 50 x 55h mm

S046 € 113,00

HYDRAULIC UNIVERSAL MAGNETIC STAND



Carrying case

Main stem	Ø 17 x 180 mm
Assistant stem	Ø 14 x 200 mm
Magnetic force	600 N
Base dimensions	63 x 50 x 55h mm

B025 € 218,00

DIAL GAUGE STAND

With grooved steel plate and aluminium base.



Carrying case

Dial stand	Ø 8 mm
Plate Dimensions	80 x 80 mm
Base dimensions	150 x 100 mm
Column	Ø 25 x 180 mm

B010 € 269,00

DIAL GAUGE STAND

With granite base



Carrying case

Dial stand	Ø 8 mm
Base dimensions	300 x 200 x 50h mm
Column	Ø 35 x 300 mm
Base flatness	0,002 mm

A019-

ECCENTRIC BENCH TESTER

With dial stand



Wooden Box



Cast Iron

Art.	€	Distance between centers	Centers height Min. - Max	MT	Dimensions	Dial stand	Net weight
A019/300	€ 1220,00	300 mm	145 / 175 mm	2	730 x 310 x 370h mm	2	65 kg
A019/500	€ 1560,00	500 mm	135 / 170 mm	2	924 x 330 x 482h mm	2	70 kg
A019/1000	€ 1840,00	1000 mm	135 / 170 mm	2	1400 x 330 x 430h mm	2	100 kg

S051 € 31,50

MICROMETER STAND

With plastic covered jaws



Box



Cast Iron

P04x

GRANITE INSPECTION PLATE

Grade 0



Wooden Box

Art.	€	Dimensions	Net weight
P040	€ 87,60	310 x 230 x 80 mm	20 kg
P042	€ 281,00	630 x 400 x 100 mm	80 kg
P043	€ 752,00	1000 x 630 x 150 mm	280 kg
P047	€ 1250,00	1200 x 800 x 160 mm	497 kg
P044	€ 2640,00	1600 x 1000 x 200 mm	1059 kg

B040-

GRANITE SURFACE STAND WITH TWO DRAWERS



Art.	€	Base dimensions	Plate Dimensions	Net weight
B040/1	€ 883,00	945 x 590 mm	1000 x 630 mm	63,5 kg
B040/2	€ 986,00	1200 x 750 mm	1200 x 800 - 1600 x 1000 mm	80 kg

S06x

GRANITE SQUARE

Grade 0



Wooden Box



876

Art.	€	Dimensions	Accuracy
S061	€ 417,00	250 x 40 x 400h mm	± 6 µm
S062	€ 589,00	400 x 100 x 635h mm	± 9 µm

S050-

PRO

90° SQUARE

Suitable for checking squareness and flatness in the precision mechanical industry. With back



Steel



875/1

Art.	€	Dimensions	Stem
S050/150	€ 33,50	150 x 100 mm	25,5 x 4,8 mm ²
S050/200	€ 42,60	200 x 130 mm	30,3 x 6 mm ²
S050/250	€ 56,90	250 x 165 mm	35 x 7 mm ²
S050/300	€ 63,30	300 x 200 mm	36 x 9 mm ²
S050/400	€ 140,00	400 x 265 mm	39 x 9 mm ²
S050/500	€ 168,00	500 x 330 mm	50 x 9 mm ²

S051-

NEW

90° SQUARE

Suitable for checking squareness and flatness in the mechanical industry. With back



Steel



Made in Germany

Art.	€	Dimensions	Stem
S051/100	€ 14,30	100 x 70 mm	20 x 5,5 mm ²
S051/150	€ 16,50	150 x 100 mm	20 x 5,5 mm ²
S051/200	€ 22,60	200 x 130 mm	20 x 5,5 mm ²
S051/250	€ 26,10	250 x 160 mm	25 x 5,5 mm ²
S051/300	€ 33,60	300 x 175 mm	25 x 5,5 mm ²
S051/400	€ 37,00	400 x 200 mm	29,5 x 5,5 mm ²
S051/500	€ 56,90	500 x 250 mm	29,5 x 5,5 mm ²
S051/600	€ 71,50	600 x 330 mm	29,5 x 5,5 mm ²
S051/750	€ 169,00	750 x 375 mm	29,5 x 5,5 mm ²
S051/1000	€ 201,00	1000 x 500 mm	29,5 x 5,5 mm ²

S059-

NEW

90° SQUARE

Suitable for checking squareness and flatness in the mechanical industry. Without back



Steel



Made in Germany

Art.	€	Dimensions	Stem
S059/100	€ 8,30	100 x 70 mm	20 x 5,5 mm ²
S059/150	€ 9,90	150 x 100 mm	20 x 5,5 mm ²
S059/200	€ 11,60	200 x 130 mm	20 x 5,5 mm ²
S059/250	€ 13,90	250 x 160 mm	25 x 5,5 mm ²
S059/300	€ 15,90	300 x 175 mm	25 x 5,5 mm ²
S059/400	€ 20,20	400 x 200 mm	29,5 x 5,5 mm ²
S059/500	€ 24,10	500 x 250 mm	29,5 x 5,5 mm ²
S059/600	€ 28,90	600 x 330 mm	29,5 x 5,5 mm ²
S059/750	€ 49,60	750 x 375 mm	29,5 x 5,5 mm ²
S059/1000	€ 72,30	1000 x 500 mm	29,5 x 5,5 mm ²



S048-

STAINLESS STEEL 90° KNIFE EDGE SQUARE



Art.	€	Dimensions	Stem
S048/100	€ 35,60	100 x 70 mm	20 x 5 mm ²
S048/150	€ 54,00	150 x 100 mm	25 x 5 mm ²

0286-

YELLOW PAINTED JOINER SQUARE



Art.	€	Dimensions
0286/250	€ 2,83	250 x 130 x 0,8 mm
0286/300	€ 3,34	300 x 130 x 0,8 mm
0286/350	€ 3,72	350 x 155 x 0,8 mm

0129-

CARPENTER TRY SQUARE

PRO

With hardened black anodized aluminum blade (HRB 70) with laser engraved anti-reflective scale on both sides and elongated aluminum handle with grooved profile.



Alu
Aluminum



Art.	€	Blade length	Blade section	Handle length	Handle section
0129/150	€ 21,10	150 mm	40 x 2 mm	130 mm	40 x 12 mm
0129/200	€ 21,50	200 mm	40 x 2 mm	130 mm	40 x 12 mm
0129/250	€ 23,00	250 mm	40 x 2 mm	145 mm	40 x 12 mm
0129/300	€ 24,60	300 mm	40 x 2 mm	145 mm	40 x 12 mm
0129/400	€ 29,60	400 mm	40 x 2 mm	170 mm	40 x 12 mm
0129/500	€ 32,30	500 mm	40 x 2 mm	170 mm	40 x 12 mm

0132-

BEVEL SQUARE

PRO

Carbon steel blade, aluminum handle with grooved profile and galvanized fixing screw.



Art.	€	Blade length	Blade section	Handle section
0132/200	€ 20,00	200 mm	29 x 1.6 mm	30 x 11.5 mm
0132/250	€ 21,50	250 mm	29 x 1.6 mm	30 x 11.5 mm
0132/300	€ 23,40	300 mm	29 x 1.6 mm	30 x 11.5 mm

0139-

MITRE SQUARE

PRO

With hardened black anodized aluminium blade (HRB 70) with laser engraved anti-reflective scale on both sides and elongated aluminium handle with grooved profile.



Alu
Aluminum



Art.	€	Blade length	Blade section	Handle section	Angle
0139/250	€ 21,90	250 mm	40 x 2 mm	40 x 12 mm	45° / 135°
0139/300	€ 23,10	300 mm	40 x 2 mm	40 x 12 mm	45° / 135°

S056-

90° MAGNETIC SQUARE



Art.	€	Dimensions	Max. magnetic force
S056/150	€ 82,30	150 x 150 x 50 mm	500 N
S056/200	€ 103,00	200 x 200 x 50 mm	1000 N

S058 € 94,80

TITLTABLE MAGNETIC SQUARE



Box

Dimensions	115 x 115 x 35 mm
Degrees	45° ± 90°
Max. magnetic force	250 N

S057/060S € 12,90

MINI WELDING HOLDER



4 Pcs



Box

Dimensions	50 x 60 x 12,5 mm
Magnetic force	45 N
Hold working angle	45 - 90 - 135°

FGx

FEELER GAUGE SET

Conical-shaped blades, nickel-plated case with locking nut, measurements in mm and inches on each blade.



Blister



Steel

Art.	€	Feelers num.	Tolerance	Sizes	Blade length
FG01	€ 4,42	13	T2	0,05 - 1,00 mm 0,002 - 0,040"	100 mmm
FG02	€ 7,50	20	T2	0,05 - 1,00 mm 0,002 - 0,040"	100 mmm

S057/125 € 19,10

WELDING HOLDER



Box

Dimensions	135 x 135 x 25 mm
Magnetic force	340 N
Hold working angle	45 - 90 - 135°

O212 € 8,00

FEELER



Blister

Feelers num.	20
Sizes	0,05 - 1,00 mm

FGx-AI

FEELER GAUGE SET, STAINLESS STEEL

Conical-shaped blades, nickel-plated case with locking nut, measurements in mm and inches on each blade.



Blister

INOX

Art.	€	Feelers num.	Tolerance	Sizes	Blade length
FG01/AI	€ 13,10	13	T2	0,05 - 1,00 mm 0,002 - 0,040"	100 mm
FG02/AI	€ 20,90	20	T2	0,05 - 1,00 mm 0,002 - 0,040"	100 mm



TGx-AE

THICKNESS GAUGE FOIL

Measure in mm and inches on each blade. T2 tolerance



Art.	€	Thickness	Length
TG001/AE	€ 60,90	0.01 mm 0.0004"	5 m
TG002/AE	€ 47,20	0.02 mm 0.0008"	5 m
TG003/AE	€ 26,00	0.03 mm 0.0012"	5 m
TG004/AE	€ 27,00	0.04 mm 0.0016"	5 m
TG005/AE	€ 18,90	0.05 mm 0.0020"	5 m
TG006/AE	€ 18,90	0.06 mm 0.0024"	5 m
TG007/AE	€ 18,90	0.07 mm 0.0028"	5 m
TG008/AE	€ 18,90	0.08 mm 0.0030"	5 m
TG009/AE	€ 18,90	0.09 mm 0.0035"	5 m
TG010/AE	€ 18,90	0.10 mm 0.0040"	5 m
TG012/AE	€ 18,90	0.12 mm 0.005"	5 m
TG015/AE	€ 17,40	0.15 mm 0.006"	5 m
TG018/AE	€ 18,90	0.18 mm 0.007"	5 m
TG020/AE	€ 17,40	0.20 mm 0.008"	5 m
TG025/AE	€ 17,40	0.25 mm 0.010"	5 m
TG030/AE	€ 17,40	0.30 mm 0.012"	5 m
TG035/AE	€ 18,90	0.35 mm 0.014"	5 m
TG040/AE	€ 18,90	0.40 mm 0.016"	5 m
TG045/AE	€ 18,90	0.45 mm 0.018"	5 m
TG050/AE	€ 18,90	0.50 mm 0.020"	5 m
TG055/AE	€ 27,00	0.55 mm 0.022"	5 m
TG060/AE	€ 27,00	0.60 mm 0.024"	5 m
TG065/AE	€ 27,00	0.65 mm 0.026"	5 m
TG070/AE	€ 23,20	0.70 mm 0.028"	5 m
TG075/AE	€ 23,20	0.75 mm 0.030"	5 m
TG080/AE	€ 23,20	0.80 mm 0.032"	5 m
TG085/AE	€ 23,20	0.85 mm 0.034"	5 m
TG090/AE	€ 23,20	0.90 mm 0.036"	5 m
TG095/AE	€ 23,20	0.95 mm 0.038"	5 m
TG100/AE	€ 23,20	1.00 mm 0.040"	5 m
TG110/AE	€ 17,70	1.10 mm	1 m
TG120/AE	€ 17,70	1.20 mm	1 m
TG130/AE	€ 17,70	1.30 mm	1 m
TG140/AE	€ 17,70	1.40 mm	1 m
TG150/AE	€ 17,70	1.50 mm	1 m
TG160/AE	€ 17,70	1.60 mm	1 m
TG170/AE	€ 17,70	1.70 mm	1 m
TG180/AE	€ 17,70	1.80 mm	1 m
TG190/AE	€ 17,70	1.90 mm	1 m
TG200/AE	€ 17,70	2.00 mm	1 m

C026-

PRECISION DIVIDER

With square legs



Art.	€	Length
C026/150	€ 8,80	150 mm
C026/200	€ 10,90	200 mm
C026/250	€ 14,90	250 mm
C026/300	€ 17,20	300 mm

HT125

€ 7,00

**HOLDER FOR FEELER GAUGE
BLADES**



Blister

Dimensions 125 x 17 mm



C058/52

NEW € 9,00

**52 BLADE SCREW PITCH GAUGE
SET**



Blister

Metric size 0.25 - 6 mm 60°
Whitworth size 4 - 62 TPI 55°

C058

€ 12,80

**58 BLADE SCREW PITCH GAUGE
SET**



Blister

Metric size 0.25 - 6 mm 60°
Whitworth size 4 - 62 TPI 55°
Gas size 8 - 28 TPI 55°

C027-

PRECISION DIVIDER

With setting wings and square legs



Art.	€	Length
C027/150	€ 12,30	150 mm
C027/200	€ 14,50	200 mm
C027/250	€ 18,00	250 mm
C027/300	€ 20,00	300 mm

C028-

OUTSIDE CALIPER

For external thicknesses



Art.	€	Length
C028/150	€ 8,80	150 mm
C028/200	€ 10,90	200 mm
C028/250	€ 12,70	250 mm
C028/300	€ 14,90	300 mm

C029-

INSIDE CALIPER

For interiors



Art.	€	Length
C029/150	€ 8,80	150 mm
C029/200	€ 10,90	200 mm
C029/250	€ 12,70	250 mm
C029/300	€ 14,90	300 mm

P007-

MAGNETIC VEE BLOCK

Single or couple



Box

Art.	€	Dimensions	Width	Max. magnetic force	Pieces
P007/1	€ 112,00	70 x 60 x 72 mm	38 mm	400 N	1
P007/2	€ 144,00	100 x 70 x 95 mm	50 / 16 mm	300 N	1
P007/1C	€ 213,00	71 x 60 x 73 mm	38 mm	400 N	2
P007/2C	€ 328,00	100 x 70 x 95 mm	50 / 16 mm	300 N	2



P30x

90° BLOCK AND CLAMP

Single and couple.



Art.	€	Dimensions	Max clamp	Accuracy	Pieces
P301/2	€ 62,80	63,5 x 63,5 x 50 mm	ø 35 mm	±0,01 mm	1
P302/2	€ 107,00	100 x 75 x 75 mm	ø 65 mm	±0,01 mm	1
P303/2	€ 165,00	150 x 125 x 100 mm	ø 110 mm	±0,01 mm	1
P301/2C	€ 121,00	63,5 x 63,5 x 50,8 mm	ø 35 mm	±0,01 mm	2
P302/2C	€ 210,00	100 x 75 x 75 mm	ø 65 mm	±0,01 mm	2
P303/2C	€ 329,00	150 x 125 x 100 mm	ø 110 mm	±0,01 mm	2



P20x

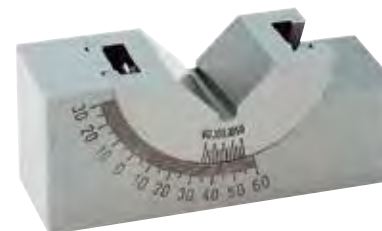
PARALLEL VEE BLOCKS



Art.	€	Dimensions	Accuracy
P200/1	€ 229,00	75 x 75 x 60 mm	1/100 mm
P201/1	€ 304,00	100 x 80 x 60 mm	1/100 mm

P011-

ANGLE BLOCK



Art.	€	Dimensions
P011/075	€ 106,00	75 x 32 x 25 mm
P011/100	€ 126,00	102 x 48 x 46 mm



F2Gx

PRECISION TAPE

With steel wire stop mechanism and riveted end hook with bottom blade protector built in shock absorber



Expositor

Art.	€	Belt dimensions	Accuracy class
F2G2	€ 3,26	2 m x 16 mm	II
F2G3	€ 3,73	3 m x 16 mm	II
F2G5	€ 5,70	5 m x 19 mm	II

F68x

MAGNETIC PRECISION TAPE

With steel wire stop mechanism and riveted end hook with bottom blade protector built in shock absorber



Expositor

Art.	€	Belt dimensions	Accuracy class
F683	€ 6,10	3 m x 19 mm	II
F685	€ 8,50	5 m x 25 mm	II
F688	€ 12,20	8 m x 25 mm	II

F80x

PRECISION TAPE

With ergonomic shape, comfortable stopper, polyester film coating, belt clip, blade extra strong. resistance to abrasions, easy to control



Expositor

Art.	€	Belt dimensions	Accuracy class
F802	€ 2,58	2 m x 16 mm	II
F803	€ 4,19	3 m x 16 mm	II
F805	€ 5,90	5 m x 19 mm	II
F808	€ 8,50	8 m x 25 mm	II

F32x

MAGNETIC PRECISION TAPE

With automatic brake and magnet



Expositor

Art.	€	Belt dimensions	Accuracy class
F322	€ 4,20	2 m x 16 mm	II
F323	€ 5,60	3 m x 19 mm	II
F325	€ 7,60	5 m x 25 mm	II
F328	€ 10,60	8 m x 25 mm	II

R0x

LONG TAPE

Made of steel



Box

Art.	€	Belt dimensions
R030	€ 25,60	30 m x 13 mm
R050	€ 39,70	50 m x 13 mm

0449

€ 23,30

MINI LASER LEVEL

With 4 vials, body in ABS and laser capable of emitting a single point or a perpendicular cross.



Box

Laser type	Classe II / 650 nm
Working range	20 m
Power	$\leq 1\text{ mW}$
Accuracy	0,05°
Battery	2 x 1,5V AAA

0109

€ 48,00

DIGITAL LEVEL

Magnetic with aluminum body, automatic power off, backlight, 2 vials, inc. abs and hold functions



Box

Length	400 mm
Auto power off	5 min
Measuring range	0 - 90° x 4
Reading	0° - 90°: 0,1°
Accuracy	0° - 90°: $\pm 0,2^\circ$
Battery	2 x AAA 1,5V

0646/A

€ 117,00

AUTOLEVELLING LASER LEVEL



Box

Leveling accuracy	0,5 mm / m
Horizontal and vertical line accuracy	$\pm 0,5\text{ mm / m}$
Battery	3 x 1,5V AA
Laser type	Classe II / 650 nm
Recommended working distance	10 m
Max height	126,5 cm
Minimum height	52,5 cm

0666

€ 176,00

DIGITAL LEVEL WITH LASER

Measuring unit in degrees or %.



Box

Length	600 mm
Auto power off	5 min
Measuring range	0 - 360°
Wave length	650 nm
Reading	0,1°
Laser power	$\leq 1\text{ mW}$
Accuracy	$\pm 0,05^\circ$
Pointing accuracy	$\pm 1\text{ mm / m}$
Battery	9 V

0112

€ 105,00

DIGITAL LEVEL

Magnetic with milled aluminum base, automatic power off, backlight, 2 vials, "hold function, 0° and 90° with sound, reading: absolute, ref, percent, mm/m and in/ft, carrying bag.



Box

Length	600 mm
Auto power off	5 min
Measuring range	0 - 90° x 4
Reading	0° & 90°: 0,05°; 0° - 89°: 0,1°
Accuracy	0° & 90°: $\pm 0,05^\circ$; 0,1° - 89,9°: $\pm 0,2^\circ$
Battery	2 x AAA 1,5 V



L090A

€ 109,00

DIGITAL LEVEL - INCLINOMETER AND GONIOMETER WITH MAGNET

0 ÷ 90° magnetic digital level on all the 4 directions, inclinometer and goniometer, function: inclination mm/m and in/ft, % of inclination, backlight, automatic power off, ABS and relative measurements and automatic digit inversion for overhead measurements, with beeper.



Box

Accuracy	± 0.15°
Measuring range	0 ÷ 90° x 4
Reading	0.05°
Dimensions	151 x 31 x 60 mm
Battery	2 x 1.5 V AAA

L085

€ 83,60

DIGITAL LEVEL BOX

±0 ÷ 180° magnetic, automatic power off, ABS and relative measurements and automatic digit inversion for overhead measurements, hold function.



Blister



Accuracy	± 0.1°
Measuring range	0° ÷ 180°
Reading	0.1°
Dimensions	51 x 51 x 33 mm
Battery	1 x 3 V CR2032

0824-

LEVEL

Heavy duty aluminium milled level with 3 vials



Art.	€	Dimensions
0824/300	€ 5,60	300 x 49 x 23 mm
0824/400	€ 6,30	400 x 49 x 23 mm
0824/500	€ 7,40	500 x 49 x 23 mm
0824/600	€ 8,40	600 x 49 x 23 mm

L080

€ 53,00

DIGITAL LEVEL BOX

0 ÷ 90° magnetic on all the 4 directions, backlight, automatic power off, ABS and relative measurements and automatic digit inversion for overhead measurements.



Blister

Accuracy	0° ± 0.1°; 90° ± 0.1°; 0.1° ÷ 89.9° ± 0.2°
Measuring range	0 ÷ 90° x 4
Reading	0.1°
Dimensions	59 x 27 x 59 mm
Battery	1 x 1.5 V AAA

0805/400

€ 9,10

MAGNETIC LEVEL

Heavy duty with 3 vials



Dimensions	400 x 50 x 20 mm
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L200

€ 188,00

LINEAR LEVEL

Master precision, with v-slot s ground



Dimensions	200 x 45 x 45 mm
Accuracy	0,02 mm / m

L150 € 218,00

SQUARE LEVEL

Master precision, with 2 plane sides and 2 prismatic sides

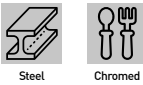


Dimensions	150 x 38 x 150 mm
Accuracy	0,02 mm / m

G006-

PROTRACTOR

With locking screw, laser engraved scale



Art.	€	Arch	Beam	Range
G006/120	€ 21,00	Ø 80 mm	120 mm	0 ÷ 180°
G006/150	€ 23,50	Ø 120 mm	150 mm	0 ÷ 180°
G006/200	€ 28,50	Ø 150 mm	200 mm	0 ÷ 180°
G006/300	€ 40,00	Ø 200 mm	300 mm	0 ÷ 180°
G006/500	€ 82,50	Ø 300 mm	500 mm	0 ÷ 180°
G006/600	€ 94,00	Ø 300 mm	600 mm	0 ÷ 180°

G005 € 85,30

UNIVERSAL BEVEL PROTRACTOR



Reading	5'
Range	0° ÷ 360°
Beam	300 mm

G008 € 50,90

DIGITAL ANGLE FINDER AND LEVEL WITH 2 VIALS

Automatic calculation of angles and inclinations



Length	400 mm
Range	0 ÷ 225°
Reading	0,1°
Accuracy	± 0,5°
Battery	9 V - 6F22

G004- **PRO NEW**

PROTRACTOR

With locking screw, laser engraved scale



Art.	€	Arch	Beam	Range	Hardness
G004/120	€ 26,50	Ø 80 mm	120 mm	0 ÷ 180°	HRC 63
G004/150	€ 30,50	Ø 120 mm	150 mm	0 ÷ 180°	HRC 63
G004/200	€ 37,50	Ø 150 mm	200 mm	0 ÷ 180°	HRC 63
G004/300	€ 50,00	Ø 200 mm	300 mm	0 ÷ 180°	HRC 63
G004/500	€ 105,00	Ø 300 mm	500 mm	0 ÷ 180°	HRC 63



E023/5 € 675,00

FLEXIBLE ENDOSCOPE FOR MECHANICAL USE

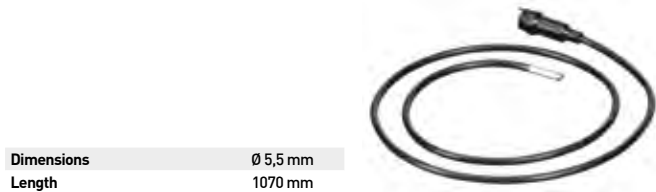
With probe Ø 5.5mm - wi-fi usb equipped with: 3.5" color lcd screen with wi-fi connection to the probe - memory micro sd 2gb with sd adapter - usb port - output with usb cable - flexible probe - camera with Led lights - 45° mirror - ball direction - protection ring nut.



Length without handle	1000 mm
Probe	Ø 5,5 mm
Digital zoom	4X
Depth of field	50 mm
View	60°
Rechargeable battery	Lithium

E022/5 € 348,00

FLEXIBLE PROBE



Dimensions	Ø 5,5 mm
Length	1070 mm

E022/P € 75,80

FLEXIBLE EXTENSION



Dimensions	Ø 18 mm
Length	2750 mm

M071 € 393,00

STEREO MICROSCOPE



Independent incident and transmitted illumination	12 V - 10 W
Max height of piece to check	75 mm
Power	230 V 50 Hz
Eyepieces	10x
Objectives	2x - 4x
Magnification	20x ÷ 40x

E022/12 € 348,00

FLEXIBLE ENDOSCOPE FOR MECHANICAL USE

With probe Ø 12mm equipped with: 3.5" color lcd screen, flexible probe, camera with Led lights, you can add up to 2 extensions, magnetic terminal, terminal hook, terminal with mirror.



Length without handle	900 mm
Probe	Ø 12 mm
View	0° - 60°
Battery	9 V
Max depth of detecting	50 mm
Distance	2.5 cm - 30 cm
Display	3.5" LCD
Usage time	> 2hr
Working temperature	0°C - 45°C
Storage temperature	-20°C - +60°C
Dimensions	215 x 156 x 96 mm

M069 € 556,00

STEREO MICROSCOPE



Independent transmitted illumination	12 V - 10 W
Working range	165 mm 10x - 119 mm 20x
Power	230 V 50 Hz
Eyepieces	10x - 20x
Objectives	1x - 2x
Magnification	10x ÷ 40x

M072 € 28,70

MAGNIFIER FOR MEASURING



Magnification	10x
Field of view	24 mm
Range	0 ÷ 20 mm
Reading	0,1 mm



P080 € 78,70

DIGITAL CLAMP METER

With LCD display. 7 operating modes: AC current, AC voltage, DC voltage, resistance, continuity, frequency, diode control. High reliability



Box

ACV	4 / 40 / 400 / 600 V ±1,5 % + 4
ACA	4 / 40 / 400 / 600 A ±1,5 % + 4
DCV	4 / 40 / 400 / 600 V ±1,0 % + 2
RES	400 Ω / 4 kΩ / 40 kΩ / 400 kΩ / 4 MΩ / 40 MΩ ±1,0 % + 2
Frequency	10 MHz ±0,8 % + 2
Battery	2 x 1,5 V x AA
Storage temperature	-20°C - 60°C
Working temperature	0°C - 50°C
Dimensions	250 x 71 x 38,8 mm

P075 € 132,00

PRO

DIGITAL CLAMP METER



Box

ACV	750 V ±1,2 %
ACA	200 - 1000 A ±2,0 %
DCV	1000 V ±1,0 %
DCA	200 - 1000 A ±2,0 %
RES	200 Ω ±1,0 %
Frequency	2k Hz ±2,5 %
Battery	9 V

0013/142 € 1,64

CIRCUIT TESTER SCREWDRIVER

With handle in insulating material, neon light and steel blade



Range	100 ÷ 500 V
Length	142 mm

0013/185 € 1,79

CIRCUIT TESTER SCREWDRIVER

With handle in insulating material, neon light and steel blade



Range	100 ÷ 500 V
Length	190 mm

0446 € 14,00

BATTERY AND CHARGING SYSTEM TESTER

With Led lights that indicate the status of the battery and of the charging system. easy to use.



Battery	11,5 ÷ 12,6V
Charging system voltage range	13,2 ÷ 15,5 V
Cable length	800 mm

0029 € 5,50

AUTOMOTIVE CIRCUIT TESTER

For the identification of the current in the wires of the cars, with voltage of 6-12-24V.



Voltage	6 - 12 - 24 V
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T051 € 18,80

POCKET DIGITAL MULTIMETER

Audible continuity and diode test



Box

DCV	2-20-200-500V ±0,5%
ACV	200-500V ±1,2%
DCA	200mA ±1,5%
RES	2K-20K-200K-2M Ω ±1%
Battery	12V



T050

€ 37,30

DIGITAL MULTIMETER

High accuracy temperature meter, audible continuity and diode test



Box

DCV	200 mV ±0,5%
DCV	2 V - 20 V - 200 V ±0,8%
DCV	1000 V ±0,1%
ACV	2mV - 20 V - 200 V ±1,0%
ACV	750 V ±1,2%
DCA	2 mA - 20 mA ±1,8%
DCA	200 mA ±2,0%
DCA	20 A ±2,0%
ACA	200 mA ±2,0%
ACA	20 A ±3,0%
RES	200 Ω ±1,0%
RES	2KΩ - 20KΩ - 200KΩ - 2MΩ ±1,0%
RES	20 MΩ ± 1.0%
RES	200 MΩ ±5,0%
CAP	2000 pF - 20 nF - 200 nF - 2 μF - 20 μF ±4%
Temperature	-40 °C ÷ 400 °C ±1,0%
Temperature	400 °C ÷ 1000 °C ±1,5%
Battery	9 V



T053

PRO € 89,50

DIGITAL MULTIMETER

High accuracy temperature meter, audible continuity and diode test



Box

DCV	200 mV - 2 V - 20 V - 200 V - 1000 V ±0,8%
ACV	200 mV - 2 V - 20 V - 750 V ±1,2%
DCA / ACA	200 μA - 2 mA - 20 mA - 200 mA - 20 A ±2,0%
RES	200Ω - 2kΩ - 20kΩ - 200kΩ - 2MΩ - 20MΩ - 200MΩ ±1%
CAP	20 nF / 200 nF / 2 μF / 20 μF / 200 μF / 2000 μF ±2,5%
Inductance	2 mH - 20mH - 200 mH - 2 H - 20 H
Battery	9 V
Temperature	-20 °C ÷ 1000 °C
Frequency	10 mHz
hFE transistor test	0 ~ 1000



ML80A

€ 81,00

LASER METER

Handy and lightweight, ideal for the measurements in construction and carpentry, functions: addition, subtraction, area and volume calculation, auto power off



Blister



Range	0,05 ÷ 80 m
Accuracy	±2 mm
Battery	3 AAA x 1,5 V

ML40

€ 60,20

LASER DISTANCE METER

Ideal for the measurements in construction and carpentry, functions: addition, subtraction, area and volume calculation, auto power off



Blister



Range	0,05 ÷ 40 m
Accuracy	± 2 mm
Battery	2 AAA x 1.5 V

T068 € 131,00

LASER POINTER INFRARED TEMPERATURE METER

Not suitable for body temperature measurement



Blister

Range	-30°C÷550 °C -22 F÷1022 F
Accuracy	-30 °C ÷ 0 °C -22 F ÷ 32 F ±3 % or ±3 °C
Accuracy	0 °C ÷ 100 °C 32 F ÷ 212 F ±2 % or ±2 °C
Accuracy	> 100 °C > 212 F ±3 % or ±3 °C
Reading	0,1 °C 0,1 F
Emissivity	0,1 + 1,0
Battery	9 V
Dimensions	146 x 80 x 38 mm
Distance/Spot size	1 : 12

T064 € 101,00

LASER POINTER INFRARED TEMPERATURE METER

High precision. Non-contact temperature measurement. Not suitable for human beings



Blister

Range	-25°C÷400 °C -13 F÷752 F
Accuracy	-25 °C ÷ 400 °C ±(2 % + 1 °C)
Accuracy	-13 F ÷ 752 F ±(2 % + 1 F)
Reading	1 °C 2 F
Battery	9 V
Distance/Spot size	1 : 10
Sampling time	0.5 s
Emissivity pre-set	0.95

T057 € 224,00

ENVIRONMENTAL TEMPERATURE AND HUMIDITY DIGITAL TESTER

High precision, with micro-computer LSI.



Carrying case

Temperature	-10 °C ÷ +65 °C
Temperature reading	0,1 °C
Temperature accuracy	±0,5 °C
Humidity	10 % ÷ 100 %
Accuracy	2 % ±1 % RH
Battery	4 x 1,5 V AA
Response time	0.4 s
Energy consumption	16 mA
Dimensions	202 x 72 x 37 mm

I002 € 327,00

INDUCTIVE MOISTURE METER FOR MEASURING HUMIDITY

Wood and building materials. With Micro-Computer LSI and crystal timer for high precision. Computer connection for data transfer. Not suitable for measuring environmental humidity.



Carrying case

Working temperature	0 °C - 40 °C
Range	0 - 80 %
Building moisture	0 - 50 %
Reading	0,1 %
Accuracy	± (0,5 % n+1)
Battery	4 x 1,5 V AA
Dimensions	165 x 62 x 26 mm

T054 € 37,30

POCKET DIGITAL TEMPERATURE METER

With environmental and immersion purpose thermocouples



Box

Reading	1 °C
Range	-50°C ÷ 1100°C with not supplied probe T056/TP03, -50°C ÷ 750°C with supplied probe T056/TP02, -50°C ÷ 250°C with suppl
Accuracy	0°C ÷ 500°C ±(0,75% +1°C), 500°C ÷ 750°C ± (1% + 1°C), 750°C ÷ 1000°C ± (2% + 1°C), 1000°C ÷ 1200°C ± (4% + 3°C)
Thermocouple type	"K"
Battery	9 V

T063 € 67,40

PORTABLE DIGITAL TEMPERATURE METER

Environmental and immersion purpose thermocouples type "K", double temperature detection, with box.



Box

Range	T056/TP01: -50°C ÷ 250°C
Range	T056/TP02: -50°C ÷ 750°C
Reading	1 °C
Accuracy	-50 °C ÷ 1200 °C ±(0.3 % + 2 °C)
Accuracy	1200 °C ÷ 1300 °C ±(0.6 % + 2 °C)
Accuracy	-58 F ~ 1200 F ±(0.3 % + 2 F)
Accuracy	1200 F ~ 1999 F ±(0.6 % + 2 F)
Battery	9 V



T055 € 145,00

PORTABLE DIGITAL TEMPERATURE METER

Environmental and immersion purpose thermocouples type "K" with plastic box.



Box

Range	T056/TP01: -50°C ÷ 250°C
Range	T056/TP02: -50°C ÷ 750°C
Reading	0,1 F
Reading	0,1 °C
Accuracy	±(0,3% n+1.8 F)
Accuracy	±(0,3% n+1 °C)
Dimensions	178 x 68 x 39 mm
Thermocouple length	120 mm
Battery	4 x 1,5 VAA

T056/TP01 € 8,80

ENVIRONMENTAL THERMOCOUPLE "K" TYPE



Range	-50°C ÷ 250°C
Thermocouple type	"K"
Thermocouple length	2 mm

T056/TP02 € 10,80

ENVIRONMENTAL OR IMMERSION THERMOCOUPLE "K" TYPE



Range	-50°C ÷ 750°C
Thermocouple type	"K"
Total length	135 mm

T056/TP03 € 64,40

THERMOCOUPLE "K" TYPE

Environmental or immersion



Range	-50 °C ÷ 1100 °C
Thermocouple type	"K"
Thermocouple length	650 mm

F010 € 308,00

SOUND LEVEL METER

High precision, Fast, Slow Max survey mode. Computer connection for data transfer.



Carrying case

Frequency range	31,5 Hz ÷ 8 kHz
Range	30 dB ÷ 130 dB (A) 32 dB ÷ 130 dB (C) 35 dB ÷ 130 dB (Lineare)
Reading	0,1 dB
Functions	SL, LN, Leq (livello equivalente)
Detection characteristics	Fast, Slow, Max
Sampling time	0,1 s
Display	10 mm
Working temperature	-10 °C ÷ 40 °C
Not included batteries	4 x 1,5 V AAA
Response time	1 s
Dimensions	236 x 63 x 26 mm

A005 € 206,00

DIGITAL ANEMOMETER



Carrying case

AIR SPEED MEASUREMENT	
Measurement	m/s - Km/h - ft/min - Knots
Spindle speed	0,4 ÷ 30,0 / 1,4 ÷ 108 / 80 ÷ 5910 / 0,8 ÷ 58,3
Reading	0,1
Accuracy	± (2%+1 digit) / ± (2%+3 digits) / ± (2%+2 digits) / ± (2%+2 digits)
TEMPERATURE MEASUREMENT	
Range	0°C ÷ 60°C 32 F ÷ 140 F
Reading	0,1° C 0,1 F
Accuracy	0,5°C 0,9 F
Battery	9 V not included

L014 € 72,00

DIGITAL LUXMETER



Carrying case

Range	0 LUX ÷ 2000 LUX ÷ 20000 LUX ÷ 50000 LUX
Reading	1 LUX
Accuracy	± 5 %
Battery	9 V

MD01 € 118,00

METAL DETECTOR

Analogue consisting of 2 color Leds for metal recognition. Audio sensor.



Box

Coil diameter	170 mm
Jack connector	1/4"
Sensitivity	> 15 cm per una moneta di Ø 25 mm
Battery	9 V

C069 € 110,00

CONTACT TYPE DIGITAL TACHOMETER



Carrying case

Round speed	2,5 - 9999,9 rpm
Surface speed	0,05 - 999,99 m/min
Reading	0,1 (7,5 - 999,9) rpm
Reading	1 (1000-9999,9) rpm
Accuracy	± 0,05 % + 1 digit
Dimensions	190 x 72 x 37 mm
Battery	4 x 1,5 V AA

0387A **NEW** € 67,40

DIGITAL MULTI-FUNCTION DETECTOR

For measuring ferrous and non-ferrous metals, wood and live cables in walls, ceilings and floors.



Blister

Max depth of detecting	
Ferrous metal	100 ± 5 mm
No ferrous metal	70 ± 5 mm
Wood	20 ± 5 mm
Depth of AC	50 ± 5 mm
Battery	9 V
Dimensions	150 x 75 x 24 mm

C070 € 154,00

CONTACT AND OPTICAL TYPE DIGITAL TACHOMETER

With reflective stripes



Carrying case

Rotation laser speed	2,5 ÷ 9999,9 rpm
Rotation contact speed	0,05 ÷ 999,9 rpm
Surface speed	0,1 ÷ 999,99 m / min
Reading	0,1 (2,5 ÷ 999,9) rpm
Reading	1 (1000 ÷ 9999,9) rpm
Use distance	da 50 ÷ 60 mm a 50 ÷ 250 mm (con ottico)
Accuracy	± 0,05 % + 1 digit
Dimensions	220 x 75 x 29 mm
Battery	4 x 1,5V AA
Working temperature	0°C ÷ 40°C
Sampling time	0.8 s

C067 € 110,00

PHOTO TYPE DIGITAL TACHOMETER

With reflective stripes



Carrying case

Range	2,5 ÷ 9999,9 rpm
Reading	0,1 (2,5 ÷ 999,9) rpm
Reading	1 (1000 ÷ 9999,9) rpm
Use distance	da 50 ÷ 60 mm a 50 ÷ 250 mm
Accuracy	± 0,05 % of reading + 1 digit
Dimensions	170 x 72 x 37 mm
Battery	4 x 1,5V AA



0543 € 20,80

CAR EMERGENCY DIGITAL TIRE GAUGE

Suitable in emergency conditions, it can be used in 4 different ways: digital tire gauge, Led flashlight, glass breaker hammer, seat belt cutter.



Blister

Range	3÷150 psi 0,21÷10,34 bar 21÷1034 kPa
Working temperature	-20°C ~ +50° C
Battery	2 AA included

V002 € 1080,00

VIBRATION TESTER

Equipped of magnetic probe, 2 ends, software and usb cable



Acceleration	0,1 ÷ 400 m/s ²
Speed	0,01 ÷ 40 cm/s
Max offset	0,001 ÷ 4 mm
Balancing rpm	60 ÷ 99,990
Frequency	1÷20 kHz
Accuracy	± 5 %
Battery	4 x 1,5 V AA

0836 € 17,30

DIGITAL PRESSURE GAUGE

With tyre depth gauge and Led light.



Blister

Range	0,5÷99,5 psi 0,034÷6,86 bar, 3,45÷686 kPa
Accuracy	±1%
Battery	3 x SR44 include

S004 € 1490,00

ULTRASONIC THICKNESS GAUGE



Reading	4-digit LCD
Range	1,0 ÷ 225,0 mm
Accuracy	±0,1 mm
Dimensions	126 x 68 x 23 mm
Battery	2 x 1,5 V AA

0583 € 89,50

BRIX REFRACTOMETER



Carrying case

Range	0 ÷ 80 % Brix
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0433 € 82,10

REFRACTOMETER

Brix, useful to check coolant oils



Carrying case

Range	0 ÷ 32% Brix
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0312 € 89,50

REFRACTOMETER TO MEASURE FREEZING POINT



Carrying case

Range for coolants E	-50 °C ÷ 0 °C
Range for coolants P	-50 °C ÷ 0 °C
Range for battery liquids B	1,10 ÷ 1,40 SG
Range for cleaner liquids C	-40 ÷ 0°C

0312/AB **NEW** € 67,10

REFRACTOMETER FOR AUTOMOTIVE LIQUIDS WITH ADBLUE



Carrying case

Range for coolants E	-40 °C ÷ 0 °C
Range for coolants P	-50 °C ÷ 0 °C
Range for battery liquids B	1,10 ÷ 1,40 SG
AdBlue	30 ÷ 35 %

D007/A

€ 78,50

SHORE "A" DUROMETER

Rubber and soft material hardness tester



Range	0 ÷ 100 A
Reading	2 A

D011/A

€ 137,00

SHORE "A" DIGITAL DUROMETER

Rubber and soft material hardness tester



Range	0 ÷ 100 A
Reading	0.5 A

D011/D

€ 137,00

SHORE "D" DIGITAL DUROMETER

Hard rubber and plastic material hardness tester



Range	0 ÷ 100 D
Reading	0.5 D

P013

€ 143,00

SHORE "A" DUROMETER TEST BLOCK

With variable hardness from 26ha to 88ha. test block colours: purple, brown, green, orange, red, yellow and grey. precision ±2ha



D018

PRO € 4660,00

HARDNESS TESTING MACHINE

Motorized, rockwell, brinell and vickers



Test force	294,2 N / 306,5 N / 588,4 N / 612,9 N / 980,7 N / 1471 N / 1839 N; 30 kgf / 31,25 kgf / 60 kgf / 62,5 kgf / 100 kgf / 150 kgf /
Diamond cone and pyramid penetrators	n° 1+1
Steel ball penetrators	n° 3
Flat anvils	n° 2
V - anvil	n° 1
Hardness test blocks	n° 1 Brinell; n° 5 Rockwell; n° 1 Vickers
Magnification	37,5x - 75x
Max Height of tested piece	Rockwell: 175 mm; Brinell - Vickers: 145 mm

Throat depth	160 mm
Power	230 V - 50 / 60 Hz - 6 W
Durometer dimensions	525 x 240 x 730h mm
MEASURE UNITS:	
HBS	4 - 450
HRB	20 - 100
HRA	20 - 88
HRC	20 - 70
HV	200 - 1000
Net weight	70 kg



D001

€ 2430,00

ROCKWELL HARDNESS TESTING MACHINE



Wooden Box

Reading	0,5 HR
Diamond and still ball penetrators	n° 1+1
Flat anvils	n° 2
V - anvil	n° 1
Hardness test blocks	n° 5 (HRC, 3xHRB, HRA)
Max Height of tested piece	170 mm
Throat depth	125 mm
Durometer dimensions	185 x 465 x 640 mm
Test force	588,4 N / 980,7 / 1471 N (60 kgf / 100 kgf / 150 kgf)
MEASURE UNITS:	
HRC	20 ÷ 70
HRB	25 ÷ 100
HRA	20 ÷ 88
Net weight	90 kg



S110

€ 393,00

CONCRETE TEST HAMMER

For measuring the hardness of cement manufactured products



Test force	2.207 Nm
Spring tension	7.84 N
Swing	75 mm

S111

€ 434,00

ANVIL FOR CONCRETE TEST HAMMER SETTING



R004

NEW € 2500,00

PORTABLE DIGITAL SURFACE ROUGHNESS TESTER

For measurement of roughness parameters Rz, Ra, Rq, Ry, Rt, Rv, R3z, R3y, RzJIS, Rsk, Rku, Rsm, Rmr, with USB 2.0 data output, large OLED display with clear reading and with backlight, comprehensive information and graphic representations, diamond tracer tip, 90°, radius 5 µm, contact power 4 mN (0.4 gf), standard acc. to ISO, DIN, ANSI, JIS, digital filter RC, PCRC, Gauss, D-T13565, data memory 2 MB + 2 GB, with built-in and rechargeable Li-Ion battery, automatic power off



Carrying case

Ra	0,005 ÷ 16 µm	Accuracy	$\pm 10\%$
Rq	0,02 ÷ 160 µm	Repeatability	$\pm 6\%$
Cut off	0,25 0,8 2,5	Dimensions	140 x 55 x 47 mm

B031 € 23,10

HIGH ACCURACY DIGITAL POCKET SCALE

Not legal for trade



Box

Capacity	100 g
Reading	0,01 g
Weighing mode	g / dwt / tl / ct

B021 € 18,80

HIGH ACCURACY DIGITAL POCKET SCALE

Not legal for trade. tare and calibration functions



Box

Capacity	500 g
Reading	0,1 g
Weighing mode	g / dwt / gn / ct
Power	2 x 1.5 Vdc Ministilo AAA

B003/5/1 € 33,60

ELECTRONIC DIGITAL SCALE

Not legal for trade, auto power off, tare function



Box

Capacity	5 kg - 176,4 oz
Reading	1 g 0,1 oz
Battery	2 x 1,5V AA
Dimensions	170 x 240 x 35 mm

B018 € 122,00

ELECTRONIC DIGITAL SCALE WITH DOUBLE DISPLAY

Not suitable for dealings with third parties. Equipped with 4 V 4AH battery and charger. Memory for unit values. Calculate total values.



Box

Capacity	30 kg
Reading	10 g
Platform size	340 x 230 mm
Dimensions	350 x 330 x 120 mm
Power	230V 50 Hz
Rechargeable battery	4 V 4 Ah

B004-
RECHARGEABLE ELECTRONIC DIGITAL COUNTER SCALES

Not legal for trade with 6V 4A and transformer.



Box

0561/B € 35,10

SPARE PART BATTERY

For every B004 scale



Art.	€	Capacity	Reading	Scale dimensions	Platform dimensions	Rechargeable battery
B004/7	€ 374,00	7,5 kg	0,2 g	350 x 340 x 105 mm	335 x 228 mm	6 V 4 Ah
B004/30	€ 374,00	30 kg	1 g	350 x 340 x 105 mm	335 x 228 mm	6 V 4 Ah

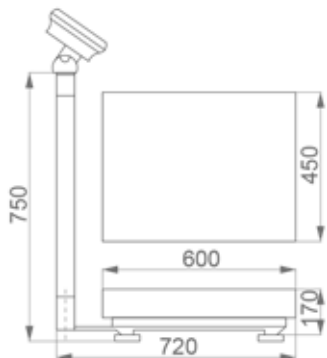


B004/150

€ 729,00

RECHARGEABLE ELECTRONIC DIGITAL COUNTER SCALE

Not legal for trade with 6V 4A battery and transformer.



Box

Capacity	150 kg
Reading	10 g
Rechargeable battery	6 V 4 Ah
Net weight	17 kg

D010-

NEW

DIGITAL CRANE SCALES

With cast aluminum structure, equipped with battery, charger, infrared remote control and sound signal Double unit of measurement kg / lb. With Peak, Hold, Tare, Zero and addition functions. Large fonts for easy reading. Not suitable for relations with third parties.



Box

Art.	€	Digits sizes	Capacity	Reading	Minimum weighing	Max weight	Battery	Net weight
D010/0100	€ 567,00	40 x 20 mm	1000 kg	0.500 kg	0.500 kg	150%	6 V 4 Ah	7,1 kg
D010/0300	€ 683,00	40 x 20 mm	3000 kg	1 kg	1 kg	150%	6 V 4 Ah	7,5 kg
D010/0500	€ 798,00	40 x 20 mm	5000 kg	2 kg	2 kg	150%	6 V 4 Ah	12,3 kg
D010/1000	€ 998,00	40 x 20 mm	10000 kg	5 kg	5 kg	150%	6 V 4 Ah	25,7 kg

D012-

PRO

DIGITAL CRANE SCALES

Equipped with battery, charger, remote control, back light and sound signal Double unit of measurement kg/lb. With Peak, Hold, Tare and Zero functions. Large fonts for easy reading. Not suitable for relations with third parties.



Box

Art.	€	Digits sizes	Capacity	Reading	Minimum weighing	Max weight	Rechargeable battery	Net weight
D012/0100	€ 855,00	40 x 20 mm	1001 kg	0,200 kg	0,200 kg	150%	6 V 10 Ah	12 kg
D012/0300	€ 1010,00	40 x 20 mm	3001 kg	0,500 kg	0,500 kg	150%	6 V 10 Ah	14,5 kg
D012/0500	€ 1170,00	40 x 20 mm	5001 kg	1 kg	1 kg	150%	6 V 10 Ah	19 kg
D012/1000	€ 1390,00	40 x 20 mm	10001 kg	2 kg	2 kg	150%	6 V 10 Ah	32 kg

ART	PAG	ART	PAG
"A" drawer dividers	320	2 - way cross vice	99
"B" drawer dividers	320	2 - way cross vice with swivel base	99
"C" drawer dividers	320	2 door tall cabinet	314
"go" screw gauge	552	2 flute straight shank end mill	196
"l" hex socket spanner	389	2 in 1 air stapler and brad nailer	488
0° ÷ 90° tilting rotary table	101	2 in 1 creeper and seat	368
1/2" & 1/4" dr. socket set	415	2 in 1 spindle moulder and spindle sander	82
1/2" dr. 6 point sae socket set	413	2 jaw gear puller	424
1/2" dr. socket set	413	2 Pcs blade set	459
1/4" & 1/2" dr. socket set	415	2 Pcs set german type female plug	501
1/4" dr. 6 point sae socket set	412	2 steel arms pending	373
1/4" dr. drill bit holder set	213	2000w infrared heater with support for wall mounting	514
1/4" dr. socket set	412	24 + 3 Led magnetic light	520
1/4" dr. spinner handle	401	24 Led magnetic light	520
1/4 shank magnetic handle	433	2-bit set for caliper C010/200	541
1/4-1/2 BSF thread repair F-coil set	227	3 hole magnetic spray cans and 7 screwdrivers holder	326
1/4-1/2 BSW thread repair F-coil set	227	3 in 1 drilling-taping-deburring tool and bit set	219
1/4-1/2 UNC thread repair F-coil set	228	3 in 1 drilling-tapping-deburring tool	219
1/4-1/2 UNF thread repair F-coil set	228	3 in 1 quick change drive ratchet handle	400
1\4", 3\8", 1\2" drive quick-release ratchets	401	3 jaw gear puller	424
10 + 1 Led magnetic work light	519	3 Pcs steel case set	323
10 Pcs paper cutter blade set	457	3 soft jaws set	107
10" wood band saw	88	3 solid soft jaws set	107
10.5" hand riveter	440	3/4" dr. socket set	414
10.5" hand riveter set	440	3/8" and 1/4" dr. socket set	413
12" planer & thicknesser	80	30 + 7 Led magnetic light	520
12" wood lathe	78	3-way speedy hex key wrench set	393
12V electric winch - direct current	363	4 feet set	120
12V/2-6-12A intelligent digital battery charger	365	4 flute straight shank end mill	196
12V/2A intelligent digital battery charger	364	4 flute straight shank roughing end mill	196
12V/8A intelligent digital battery charger	364	4 jaw independent chuck	107
12Vdc diesel pump	513	4 jaw self-centering chuck	108
13 gauge seamless polyester glove/nitrile	528	4 positions adjustable lock wrench	444
1300w infrared heater with support for wall mounting	514	4 soft jaws set	108
14" wood band saw	88	4 solid soft jaws set	108
15 gauge continuous thread glove in hi-tech technical yarn + Lycra® / Polyurethane	527	45° bent nose pipe wrench	446
15-gauge seamless nylon-elastane glove/nitrile foam	527	45° external tool holder	134
1800 w infrared heater with support for wall mounting	514	45° internal tool holder	137
		4-way clamping system	334



ART	PAG	ART	PAG
5 bushing set	150	90° solid boring bar	138
5 carbide base 16mm	150	90° square	556
5 carbides	150	90° three flutes countersink	194
5 Pcs mill screws	150	90° three flutes countersink set	194
5 rhombic bases 11mm	150	93° external tool holder	134
5 square bases 12mm	150	93° solid boring bar	138
5" air angle die grinder	495	95° external tool holder	133
500cc hand operated lever grease gun	507	95° solid boring bar	137
50w led floodlight with tripod	516	Abrasive belts	278
52 blade screw pitch gauge set	559	Abrasive cloth wheels	266
56 Led magnifier lamp	517	Abrasive nylon black cleaner	281
58 blade screw pitch gauge set	559	Abrasive nylon discs	281
6" air orbit sander with self-integrated suction	494	Abrasive nylon wire wheels	268
6" air orbit sander with suction	494	Abrasive rubber blocks	288
6 italian and german type power socket, with overload protection and german plug	524	ABS tool case	329
6 wheels car creeper	368	Adapter	403
60L 2 motors wet and dry vacuum cleaner	348	Adapter from shaft 3mm to 6mm	264
6-12V/4A intelligent digital battery charger	364	Additional tools series for automotive in foam tray	478
6g "go" isometric screw gauge	552	Adhesive abrasive discs	270
6h "go" & "no go" isometric thread plug gauge	552	Adjustable angle plate	104
7 drawers roller cabinet	323	Adjustable automatic wire stripper	463
7 drawers roller cabinet with tools	472	Adjustable height roller stand	64
7 Led pocket torch light	519	Adjustable height tripod	515
7 Pcs counterborer with solid pilot straight shank	194	Adjustable lock wrench	445
8 functions combine machine	79	Adjustable safety lanyard	529
80L 2 motors industrial wet and dry vacuum cleaner	348	Adjustable tailstock	102
80L 3 motors industrial wet and dry vacuum cleaner	349	Adjustable tap holder	219
9" epoxy seal caul king gun	470	Adjustable wrenches	388
9" epoxy seal caulking gun 345 ml and 235 ml	470	Air belt sander	496
9" heavy duty caulking gun	469	Air brad nailer	488
9" ratchet caul king gun barrel type	470	Air bradder for mini pins	489
9" reinforced caul king gun skeleton type exagonal rod	469	Air clean	510
90° air die grinder	493	Air die grinder	493
90° bent nose pipe wrench	446	Air die grinder set	495
90° block and clamp	560	Air impact wrench	490
90° external tool holder	133	Air impact wrench set	492
90° magnetic square	558	Air operated grease gun	507
		Air palm nailer	489
		Air ratchet wrench set	494

ART	PAG	ART	PAG
Air stapler	488	Automotive circuit tester	567
Alluminum case set	322	Axe with fibre-glass handle	463
Aluminium and plastic carbide tipped saw blade	239	Backing pad	280
Aluminium magnetic jaw pair	332	Backing pad for lambs wool discs	287
Aluminium magnetic jaw pair with rubber face	332	Backing pad with ventilation	273
Aluminium oxide cloth belts	267	Backing pads	270
Aluminium oxide cloth wheels with hole	265	Backing pads for orbital sanders	273
Aluminium oxide shaft-mounted cloth wheels	264	Backing pads with foam	273
Aluminium tool case	329	Backing pads without foam	273
Aluminum case	322	Bag set	349
Aluminum hand torch with 1 Led and manual zoom	520	Ball point colored hex key series	392
Aluminum hand truck with pneumatic wheels	371	Ball point hex key set , long type	392
Aluminum magnetic jaw couple	332	Ball point two way hex key with anatomic plastic handle	392
Aluminum nut rivet set	465	Ball point two way hex key with plastic handle	392
Aluminum ramps	362	Base	150
Aluminum torch	519	Base bracket screw kit	150
Anatomic plastic file handle	454	Batteries for digital instruments	469
Angle precision vice	96	Battery and charging system tester	566
Anti waste rolls	274	Belt and disc sander	91
Anti-vibration mountings	125	Belt oil filter wrench	396
Anti-waste sponge rolls	274	Bench chamfering machine	72
Anvil for concrete test hammer setting	573	Bench grinder	67
Arbor adapter for hole saws	191	Bench grinder safety guard with lexan screen	126
Arbor for carbide tipped masonry core drills bit hole saw	208	Bench grinder with belt	67
Arbor for milling cutter	114	Bench grinder with brush	67
Arbor for milling cutters	114	Bench lathe	24
Auto re-entering cable reel	523	Bench lathe stand	26
Auto repairing pliers set for cars zip ties	444	Bench lathe with variable speed inverter	24
Auto rewind air hose reel	501	Bench micro cleaner	346
Autolevelling laser level	562	Bench part washer	345
Automatic cable reel with lamp holder	523	Bench sandblast	340
Automatic center punch	450	Bench sandblast cabinet	340
Automatic diesel gun	513	Bending machine	74
Automatic lock wrench	445	Bent nose diamond needle file set	452
Automatic precision boring head	118	Bent nose pliers	441
Automatic snap-off utility knife blades included	455	Bent nose pliers 45°	441
Automatic snap-off utility knife, blades included	456	Bevel brushes	290
		Bevel brushes with shaft	292



ART	PAG	ART	PAG
Bevel square	557	C50 hardened steel anvil	335
Big brush for vacuum cleaner	349	Cabinet	319
Bi-hexagonal hand socket set in foam tray	478	Cable hoist	372
Bi-metal bandsaw blade for metal	238	Cable reel	523
Bi-metal hack saw blade	460	Cable wire stripper	463
Bimetal hole saws with variable teeth	189	Camp axe	463
Bit holder	434	Camp axe with fibre-glass handle	463
Bit set	434	Camping lantern	521
Blade	91	Car emergency digital tire gauge	571
Blade adapter	91	Car fuse set	468
Blade for wood	239	Car ramps set	362
Blade set	74	Carbide base left tool	150
Blades for wood	239	Carbide base right tool	150
Blades set	91	Carbide drill for granite and marble	207
Blind hole three point inside micrometer	549	Carbide rotary burrs	199
Blind hole three point inside micrometer set	549	Carbide rotary file set	205
Block for velcro discs	274	Carbide tipped dead center	121
Blow gun	496	Carbide tipped hammer twist drill and chisel set	208
Body harness	530	Carbide tipped lath e tool set	165
Bolt cutter	463	Carbide tipped masonry core drill bit hole saw	208
Bolt remover set	424	Carbide tipped masonry core drill bit hole saw set	208
Bore gauge set with dial indicator	546	Carbide tipped pilot drill for hole cutters for masonry	208
Boron carbide nozzle	344	Carbide tipped router bit set	213
Bottle jack	368	Carbide tipped sds plus shank type hammer twist drill	207
Bow handsaw for wood	459	Carbide tipped tool for blind holes	166
Brad point woodworking drills	212	Carbide tipped tool for cutting off	166
Brad point woodworking drills set	212	Carbide tipped tool for external thread	165
Brake cleaner, carburetors and throttle bodies	510	Carbide tipped tool for facing	166
Brass steel wire wheels	268	Carbide tipped tool for internal slots	166
Bricklaying trowel round nose	470	Carbide tipped tool for internal thread	165
Bricklaying trowels round nose	470	Carbide tipped tool for outside roughing	166
Brix refractometer	571	Carbon steel nut rivet set	465
BSF F-coil sti tap	235	Carpenter pincer	444
BSF thread repair F-coil set	227	Carpenter try square	557
BSP F-coil STI 2 Pcs taps	236	Cart with wooden shelf	371
BSP thread repair F-coil set	228	Cartridge rolls	277
Bsw F-coil STI tap	235	Carving chisel set	451
BSW thread repair F-coil set	227	Carving knife set	459
C nose automatic lock wrench	445		

ART	PAG
Cast iron anvil	335
CBN wheel	71
Center drill	179
Center drill set	179
Center punch	449
Centrifugal expanding wheel	268
Ceramic belts	267
Ceramic flap disc classic	261
Ceramic flap disc raptor	262
Ceramic mini flap disc	263
Ceramic nozzle set	344
Chain hoist	372
Chain slings	373
Chipping hammer	447
Chisel for metal	449
Chisel set for metal	450
Chisel set for wood	451
Chromed metal jointed tube for refrigerating liquids	126
Chromed outside micrometer	548
Chromed vernier caliper	538
Chromed verniere depth gauge	540
Chuck for lathe	108
Chuck holder	119
Chuck holder tiltable	119
Circlip pliers	443
Circuit tester screwdriver	566
Circular brushes	289
Circular brushes with shaft	291
Circular saw bench	83
Claw hammer	446
Clamping kit	105
Clamping set	105
Claw hammer italian type	447
Co-ax indicator	547
COB +1 Led Pocket torch light with magnet	519
Cob Led technology rechargeable lamp	521
Cobalt cylindrical twist drill	176
Cobalt twist drill set	176
Cold galvanizer	508

ART	PAG
Collet chuck	112
Colored torx key series	394
Combination pliers	440
Combination spanner	385
Combination spanner set	383
Combination spanner set in foam tray	476
Combined bench grinder	66
Combined planer and thicknesser	80
Composite nozzle	344
Concrete test hammer	573
Conical felt disc	285
Connecting plate and screw assortment	467
Contact and optical type digital tachometer	570
Contact type digital tachometer	571
Cooling hose	125
Copper grease	509
Copper tube bender	76
Copper tube cutter	462
Copper washer set	465
Copy device for wood lathe	77
Core drill with weldon shank	181
Corner for workshop modular furnitures	310
Corner slides	317
Corrugated discs	286
Cotter pin set	465
Counterborer with solid pilot straight shank medium type	193
Countersink set with hex shank	194
Countersink with hex shank	194
Couple jack stand	360
Couple of supports	120
Cow grain leather glove	525
Cow grain/split leather glove	525
Crimping plier and wire stripper	443
Crimping pliers for end sleeves terminals	443
Cross bits PH	437
Cross bits PH anti slip	437
Cross bits PZ	437
Cross bits PZ anti slip	437
Cross feed motor	125



ART	PAG	ART	PAG
Cross rim wrench	397	Diagonal side cutting nippers	441
Cross screwdriver ph with diamond tip	427	Dial depth gauge	547
Cross screwdriver PH, hanging package	428	Dial gauge stand	555
Cross screwdriver PZ with diamond tip	428	Dial indicator	544
Cross screwdriver PZ, hanging package	429	Dial indicator holder	553
Cross working table	103	Dial inside gauge	546
Crosstip screwdriver set in foam tray	477	Dial test indicator	545
Crosstip screwdriver set with diamond tip in foam tray	478	Dial test indicator with long contact point	545
Crystal lens	518	Dial thickness gauge	546
Crystal lens set	518	diamond core drill bit set	211
Cup brushes	289	Diamond cup wheel	305
Cup brushes with shaft	292	Diamond cut rotary burrs	198
Cut-off machine	64	Diamond drill bit and core drill with continuous edge set	209
Cutter head set for machine	213	Diamond drill bit set with continuous edge	211
Cutter holders	460	Diamond drill bits and core drills with continuous edge	209
Cutting band saw	63	Diamond drill bits with continuous edge	210
Cutting inserts	164	Diamond flat file	453
Cutting oil	510	Diamond mounted point and disc set	211
Cyclone filter	344	Diamond mounted point set	211
Cyclone for Sand blast cabinet	342	Diamond needle file set	452
Dead blow mallet	448	Diamond saw blades continuous rim	303
Dead blow nylon mallet	448	Diamond tip screwdriver set	428
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0190	393	0226	459	0277	436	0316	068
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0203	345	0242	055	0293	468	0334/0750	072
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0205	333	0245	432	0295	464	0338	520
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0367	459	0409	330	0456	423	0494-	400
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0386	512	0427-	331	0471	423	0507/Y	094
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0391	449	0430	366	0474/PA	513	0509/340	087
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0393	389	0432	364	0474/PP	513	0511	446
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0395	330	0439-	400	0478	364	0516	517
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0397	519	0442	389	0481/15	501	0517A	080
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0521	469	0563-	108	0600	372	063xI	443
0522	063	0564	090	0601	338	0640	436
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0526	213	0568	064	0602	372	0644	496
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0552	066	0585	488	0624	412	0656/254	083
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0553	066	0586	489	0626	434	0657	025
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0664	357	06x	373	0741-	453	0777/3	500
0665	082	0700-	382	0742-	453	0780	446
0666	562	0700/07P	382	0747	471	0781	446
0668	075	0700/12P	382	0748	471	0782	378
0670	460	0706	505	0749	080	0783-xF	500
0670/U	460	0708	025	0749/C	081	0783-xM	500
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0672	460	0711-	109	0750	055	0785-xM	500
0672/B	461	0712-	190	0750CM3	055	0786	492
0673	461	0712/002	190	0751	077	0787	519
0677	507	0712/005	190	0751/A4	108	0789	439
0677/500	507	0712/008	190	0751/P	108	0791-	375
0677/500CG	507	0712/009	190	0752	052	0792	456
0677/CG	507	0712/010	191	0752CM3	052	0792/L	457
0677/IA	507	0712/900	191	0753/A	091	0793	503
0677/SO	507	0712-x0	191	0753/L	091	0794-	447
0678	469	0712-x00	191	0754/230V	051	0795/1	411
0679	412	0713/15	516	0754/400V	051	0795/2	411
0682	329	0713/18	516	0755	513	0799-	212
0683	329	0713/27	516	0756	093	07x	238
0686/200	081	0714	388	0756/F	094	0801	463
0686/200C	081	0715-	125	0756/S	094	0803-	399
0687	339	0716	026	0756/T	094	0803/S080	399
0687/005	343	0716/B	026	0756/Y	094	0803/S210	399
0687/029	343	0716S	026	0757	043	0804	070
0687/041	344	0717A	089	0758	077	0804/MD	071
0687/102	344	0718	213	0758/C	077	0805/400	563
0688	122	0719	076	0759	093	0806/020	398
068x	329	0720	091	0759/F	094	0806/200	397
0690-	382	0720/L	091	0759/S	094	0808-	447
0690/07P	382	0721	075	0760	471	0809-	397
0690/12P	382	0722	076	0762-	238	0813	442
0691/400V	071	0723	076	0764	086	0814	442
0692/230V	061	0724/B	459	0764/455	086	0815-	398
0692/400V	061	0725	497	0765	091	0816	302
0693A	520	0725L	497	0773-	074	0817	302
0694	504	072x	448	0773/05L	074	0818/250	460
0696	456	0737-	453	0773/10L	074	0819-	470
0696/L	456	0738-	453	0775	074	0820-	470

ART	PAG	ART	PAG	ART	PAG	ART	PAG
0821/14	470	0876	467	A003/32CBN	071	A007S	312
0822	470	0877	468	A003/32SDC	071	A007T	313
0823	470	0878	339	A004/14	070	A007U	313
0824-	563	0880/307	430	A004/14CBN	071	A007UF	313
0826	443	0881/008	430	A004/14SDC	071	A007V	313
0827	084	0887	429	A004/20	070	A007-xP	316
0829	432	0888	432	A004/20CBN	071	A008A	309
0830	213	0889	520	A004/20SDC	071	A008B	309
0831-	444	0890	219	A005	569	A008C	309
0833	305	0890-	219	A007/01	315	A008D	309
0834-	444	0892	075	A007/02	314	A008E	310
0835/15	213	0893	076	A007/03	314	A008F	310
0836	571	0895-	386	A007/04	314	A008G	310
0839-	448	0896-	386	A007/05	314	A008H	310
0839-xT	448	08x	442	A007/06	314	A008I	311
0840	522	08xx	442	A007/07	315	A008L	311
0841	442	0900	522	A007/10	315	A008M	311
0842	463	0900/BL	522	A007/11	315	A008N	311
0843	442	165x	164	A007/16	315	A008P	312
0844	462	16Ax	114	A007/17	314	A008Q	312
0846/150	463	16-B	114	A007/18	314	A008R	312
0847	442	16-CM	114	A007/20	315	A008S	312
0849	322	16-D	114	A007/21	315	A008T	313
0855	088	16ERx	164	A007/21I	315	A008U	313
0855-	394	16IRx	164	A007/22	315	A008UF	313
0856-	392	1-xA	110	A007/23	314	A008V	313
0857	043	1-xD	110	A007/LED	316	A010-	523
0861	470	2622x	108	A007/LED/C	316	A010/20G	523
0862	463	2-xA	116	A007A	309	A010/30	523
0864	504	2-xB	116	A007B	309	A010/30T	523
0865	504	2-xD	117	A007C	309	A010-x	523
0869	459	3/B/40	112	A007D	309	A013/26	069
0870/250	084	3A40-	112	A007E	310	A013/26M	071
0871	084	3-CM	112	A007F	310	A0132A	069
0872/OPD	440	3D40-	112	A007G	310	A0132A/MB	071
0872/P	440	4-	115	A007H	310	A0132A/MR	071
0872/PCD	440	4-xB	115	A007I	311	A014-	195
0872/PDD	440	4-xD	116	A007L	311	A014/03-30S	195
0873/TF	441	A001-	111	A007M	311	A015-	551
0873/TL	440	A003/13A	069	A007N	311	A016-	546
0873-BC	440	A003/13ACBN	071	A007P	312	A017x	552
0873-BD	440	A003/13ASDC	071	A007Q	312	A018x	552
0873-U	440	A003/32	069	A007R	312	A019-	555

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A020	546	ACAS/009	349	B018	574	BN434Nx	405
A021	547	ACAS/010	349	B019	318	BN443Lx	409
A024/10	347	ACAS/011	349	B019/G030	318	BN443Nx	409
A024/602	348	ACAS/012	349	B021	574	BN444Lx	406
A025/30	347	ACAS/013	349	B022/10	317	BN444Nx	406
A040/30A	347	ACAS/014	349	B022/15	317	BN445Nx	403
A040/60A	348	ACAS/015	349	B025	555	BN4C3Lx	409
A040/802	348	ACAS/017	349	B031	574	BN4C4Lx	406
A040/8029	349	ADF-	281	B040-	556	BN4E2Nx	410
A040/803	348	ADLTx	161	B0x	550	BN4E3Lx	407
A040/8037	349	ADLTxA	161	B100	553	BN4E3Nx	407
A040/8040	349	ADLTxA1	161	B201/1	553	BN4E4Lx	404
A040/8046	349	ADR3/6	264	B201/2	553	BN4E4Nx	404
A040/8047S	349	AN2G/12/1	373	B201/3	553	BN4E5Lx	402
A040/8047U	349	AP01	490	B201/4	553	BN4E5Nx	402
A040/8048	349	AP02	490	B609	514	BN4P2Nx	410
A059	070	AP03	490	B610	514	BN4P3Lx	407
A059/M	071	AP04	490	BASECKJNL	150	BN4P3Nx	407
A100	319	AP05	491	BASECKJNR	150	BN4P4Nx	404
A12AL6	199	AP05/150	491	BGAx	288	BN4P5Nx	402
A162A	499	AP06	491	BI413L0x	417	BRAS4103x	166
A162C	499	APKTx	161	BI423Lx	417	BRAS4104x	166
A162DS	499	AxDC	198	BI433Mx	417	BRAS4109x	166
A208B-	192	AxSC	198	BI443Mx	417	BRAS4111x	166
A212-	192	B001-	118	BI4E1Lx	419	BRCIx	166
A300	319	B003/5/1	574	BI4E1Nx	419	BRFEx	165
A481/10	501	B004-	574	BI4E2Lx	418	BRFlix	165
A481/15	501	B004/150	575	BI4E2Nx	418	BSAx	288
A481/15H	501	B005-	165	BI4E3Lx	416	BSCL09	150
A481/30H	501	B006-	449	BI4E3Nx	416	BSCL12	150
A601A	498	B007-	133	BN413Lx	408	BSDJ11	150
A601DS	498	B009/A1	318	BN413Nx	408	BSER16	150
A602A	498	B009/A2	318	BN414Lx	405	BSNR16	150
A901A	499	B009/B1	318	BN414Nx	405	BSSS12	150
A902A	499	B009/B2	318	BN415Nx	402	BSTG16	150
ACAS/001	349	B010	555	BN423Lx	408	BSVJ16	150
ACAS/002	349	B012-	166	BN423Nx	408	BU3550	150
ACAS/003	349	B013-	167	BN424Lx	405	BU4050	150
ACAS/004	349	B014-	167	BN424Nx	405	BU4560	150
ACAS/005	349	B015	317	BN425Nx	403	BxAL	199
ACAS/006	349	B015/10	317	BN433Lx	408	BxDC	199
ACAS/007	349	B017	317	BN433Nx	408	BxDCxL	199
ACAS/008	349	B017/C	317	BN434Lx	405	BxSC	199

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BxSCxL	199	C046-	121	C182	371	C960/B7	324
C001-	206	C047-	537	C189	371	C960/B8	325
C002	544	C047-xB	537	C190	323	C960/CC01	474
C002/42	545	C048	545	C190C	472	C960/F6	323
C003-	206	C049/300	539	C245-	395	C960/F7	324
C004	544	C050-	121	C312	327	C960/F8	324
C005/150	537	C051	102	C313	327	C960C	472
C006-	538	C052	102	C315	327	C960CB	473
C007-	540	C053-	121	C360	327	C980	323
C009	370	C054	102	C371	327	C980/CC01	473
C010/200	540	C055-	121	C391-	395	CB01-	425
C010/200P	540	C056/200	539	C395-	395	CB01/04P	426
C011-	538	C057/150	538	C586	488	CB01/07P	426
C012-	449	C058	559	C589	489	CB01/11P	426
C014-	546	C058/52	559	C600	319	CB02-	425
C015	449	C060	544	C600-	320	CB02/04P	426
c015-	449	C061	547	C603	319	CB02/07P	426
C016	546	C062	547	C603-	320	CB02/11P	426
C017	544	C063	547	C648	328	CBF1-	425
C018-	538	C063/L	547	C650	370	CBF1/10P	426
C019/150	539	C064	544	C670	323	CCGx	286
C020-	540	C065/2	370	C700	320	CCMTx	154
C021-	539	C067	570	C750	370	CCMTxA	154
C022/100	073	C069	570	C800	319	CF08	541
C023	544	C070	570	C800-	320	CHERx	113
C023/N	544	C075/2	370	C855-	394	CI80/006	430
C023G	544	C076/30	075	c856-	392	CI82-	430
C025-	551	C080-	320	C880/006	429	CI83-	430
C025-3x	551	C085-	320	C881-	429	CKJNx	135
C026-	559	C086/01C	321	C881/006	429	CKUNR	139
C027-	559	C086/01T	321	C882-	428	CN450N0/0	400
C028-	560	C086/02C	321	C882/2038	428	CN450Nx	400
C029-	560	C086/02T	321	C883-	428	CNMGx	154
C030-	379	C086/04C	321	C884-	428	CNMGxF15	154
C031/150	536	C086/04C/D	321	C884/6038	428	CNMGxF25	154
C033-	536	C086/04T	321	C885-	428	CNMGxM25	155
C035-	536	C086/12C	321	C885/2038	429	CNMGxM35	155
C038/30	358	C086/12C/D	321	C900/A	325	CP05	524
C039/15	359	C087	322	C900/B	325	CP090S	524
C039/25	359	C090-	322	C900/CC01	474	CR20x	468
C041/150	536	C1102	371	C902/B	325	CRDxC	277
C043-	537	C163	327	C960/AM01	475	CRDxT	277
C044-	540	C165	327	C960/B6	324	CSCD-	281

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CSDS-	281	D883-	427	DFVx-xZ	269	E010E	223
CSF-	281	D884-	427	DLFx	283	E010-MxE1	229
CTFP10/12	150	D884/6038	427	DMV150	286	E010-MxE15	230
CTFPBASE25/32	150	D885-	427	DN2100-A	258	E010-MxE2	230
CTFPx	139	D885/2038	427	DN2100-Z	257	E010-MxE25	231
CTMTMC16/20	150	DC200	286	DN2300-Z	257	E010-MxE3	231
CTMTMC25/32	150	DCGx	286	DN4100-A	255	E010-MxExA	232
Cx	370	DCK100	285	DN4100-Z	253	E010-MxExC	226
CxAL	200	DCMTx	155	DN4300-A	255	E010-UNCxEx	233
CxDC	200	DCMTxA	155	DN4300-Z	253	E010-UNFxEx	233
CxSC	200	DCTx	285	DN4550-Z	253	E011/BSF	227
D001	573	DCVx	285	DN6100-A	251	E011/BSW	227
D003	100	DF2100-A	258	DN6100-Z	249	E011/M140X125B	226
D004-	102	DF2100-Z	256	DN6300-A	251	E011/M140X125MCB	226
D005-	101	DF2150-A	258	DN6300-Z	249	E011/MC	226
D006-	102	DF2150-Z	256	DN6550-Z	249	E011/UNC	228
D007/A	572	DF4100-A	255	DN8100-A	247	E011/UNF	228
D009/5-12	211	DF4100-Z	252	DN8100-Z	245	E011A	224
D009/5-85	211	DF4150-A	255	DN8300-A	247	E011-Ax	237
D010/0100	575	DF4150-Z	252	DN8300-Z	245	E011B	224
D010/0300	575	DF4600-Z	254	DN8550-Z	245	E011-BSFx	227
D010/0500	575	DF6100-A	251	DN9100-ZC	260	E011-BSFxM	235
D010/1000	575	DF6100-Z	248	DN9101-C	261	E011-BSPx	228
D011/A	572	DF6150-A	251	DNMGx	155	E011-BSPxM	236
D011/D	572	DF6150-Z	248	DNMGxM25	156	E011-BSWx	227
D012-	575	DF6600-Z	250	DNMGxM35	156	E011-BSWxM	235
D018	572	DF6700-Z	250	DNW100	286	E011C	224
D020	211	DF8100-A	247	DSCx	285	E011D	224
D023	100	DF8100-Z	244	DSK100	285	E011-Ex	237
D040-	305	DF8150-A	247	DSTx	285	E011-M140x125Ex	226
D045-	303	DF8150-Z	244	DxAL	200	E011-Mx1	225
D050	211	DF8600-Z	246	DxDC	200	E011-Mx2	225
D054-	304	DF8700-Z	246	DxSC	200	E011-MxC	226
D055-	304	DF9100-ZC	259	E001	423	E011-MxM	234
D059-	303	DF9101-C	261	E002-	111	E011-MxM2	234
D060-	303	DF9103-M	262	E003	423	E011-MxMC	235
D070-	303	DF9150-ZC	259	E005	423	E011-UMx	237
D100	302	DF9153-M	262	E010	223	E011-UNCx	228
D100/S	302	DF9800-ZC	260	E010-	223	E011-UNCxM	236
D17x	270	DF9801-C	261	E010B	223	E011-UNFx	229
D880/006	427	DFC115/M14	284	E010-BSFxEx	232	E011-UNFxM	236
D882-	427	DFFx	284	E010-BSPxEx	233	E011-Ux	237
D882/2038	427	DFVx-xA	269	E010-BSWxEx	232	E022/12	565



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E022/5	565	F015/007	187	F639	195	GCMX	164
E022/P	565	F015/008S	187	F68x	561	GCMXA	164
E023/5	565	F015-A	187	F80x	561	GL345-	525
E190-	424	F018	461	FC94/245	088	GL347-	525
E190-Bx	424	F019-	185	FC94/350	088	GL349-	525
E191-	424	F019/005	185	FCGx	286	GL365-	526
EN403Nx	409	F019/006	185	FD0x-	106	GL373-	526
EN404Nx	406	F019/007	185	FDCx	269	GL386-	527
EN405Nx	403	F019/008	185	FGx	558	GL396-	527
ERW100	267	F025	195	FGx-AI	558	GL398-	527
EW152	528	F050	032	FLIx	276	GL503-	527
EW154	528	F050I	032	FP120	529	GL516-	526
EW205	528	F050U	031	FP144	529	GL642-	525
EW207	528	F060	031	FP166	529	GL650-	525
EW210	528	F060I	030	FP190	529	GL711-	527
EW213	528	F060V	030	FP192	529	GL722-	526
EW249	528	F090-	400	FP194	529	GL762-	526
EW257	528	F121-	220	FPA120-	280	GL764-	526
ExAL	201	F122-	220	FRFx	265	GL814-	525
ExDC	201	F123	220	FSAx	288	Gx	318
ExSC	201	F23x	195	FTRx	275	GxAL	202
F001/10	197	F256-	148	FTx-1000	374	GxDC	202
F001/20	197	F256/644	150	FTx-2000	374	GxSC	202
F002-	182	F256/648	150	FTx-3000	374	HC001	524
F002/6	182	F2Gx	561	FW077-	533	HP205	531
F002/P	183	F300-	146	FW131-	533	HP207	531
F002/PL	183	F301-	146	FW542-	533	HP601	531
F002-xL	183	F302-	146	FxAL	201	HP603	531
F002-xP	182	F303-	148	FxDC	201	HT125	559
F002-xPL	183	F304-	147	FxSC	201	HxAL	202
F005-	196	F306-	146	G001-	220	HxDC	202
F006-	196	F307/16/22	149	G002-	219	HxSC	202
F007-	196	F308-	148	G003-	219	I002	568
F008-	205	F32x	561	G004-	564	I109	422
F008DC	205	F400-	147	G005	564	I217	421
F008SC	205	F401-	147	G006-	564	I306	421
F010	569	F402-	147	G007-	136	I340	420
F011-	181	F403-	149	G008	564	IS25-ESx	437
F011/6	181	F406-	149	G009	448	IS25-PHx	437
F011-xP	181	F407-	148	G030-	508	IS25-PHxAS	437
F015-	187	F430	195	G090-	400	IS25-PZx	437
F015/005	187	F585	488	G0x	113	IS25-PZxAS	437
F015/006S	187	F588/6	488	G900	521	IS25-TGx	437

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IS25-TXx	437	L085	563	M028-	095	M16x	300
IS50-ESx	437	L090A	563	M028-xG	096	M218	215
IS50-PHx	438	L10AL6	203	M028-xGR	096	M300/B	328
IS50-PZx	438	L150	564	M029	215	M312/C	214
IS50-TGx	438	L200	563	M030	215	M312/P	214
IS50-TXx	438	LBx	238	M032	214	M430/B	328
JI40xL	422	LN400N1/2A	409	M033	548	M449-	106
JI40xN	422	LN400N1/4A	403	M033-	548	M449-xGBD	108
JN402NA	410	LN400N3/4A	410	M033-x	548	M449-xST	108
JN403NA	409	LN400N3/8A	406	M034/120	098	M505/B	328
JN404NA	406	LxDC	203	M036	214	M530-	097
JN405NA	403	LxSC	203	M038	125	M540/BT	328
JxDC	204	M001-	098	M040	350	MBGxA	301
JxSC	204	M001-x	217	M040/CF	350	MBGxC	302
K001-	105	M001-xV	217	M040/CP	350	MBx	300
k002-	105	M002-	217	M040/D	350	MCDxZ	263
KICAN	140	M002-xV	217	M040/SA	350	MCG2050/06G	301
KISCLCR	136	M003-	218	M040/SP	350	MCGxA	301
KISER	140	M003-xV	218	M040/ST	350	MCGxC	301
KISNR	140	M003-xxV	218	M041	350	MCGxS	301
KISTCMT	136	M003-xxx	218	M042-	109	MCLNBASE25/32	150
KISTFCR	137	m004-	115	M049-	106	MCLNx	138
KITCKJ	133	M005-	107	M049-xGBD	107	MD01	570
KNUX	156	M006-	333	M049-xST	107	MDAxZT	270
KVx	150	M007-	333	M050/13	109	MDFx	283
KxDC	204	M009-	549	M051-	109	MDUx	282
KxSC	204	M010-	549	M052-	109	MFDxZ	263
L006	518	M011-	095	M055	546	MFDxZC	263
L007	454	M011-xG	096	M055/120	546	MFGx	284
L008	521	M012-	096	M057/16	081	MGx	300
L011	452	M013/0/100	549	M059-	117	ML40	567
L012	452	M014-	097	M060-	117	ML80A	567
L012/PIA	452	M015S	214	M061	096	MSCx	279
L013	452	M018-	333	M062	546	MSD4x	299
L014	570	M019-	549	M069	565	MSD6x	298
L018-	193	M019-x	549	M071	565	MSD7x	299
L018S	193	M020	214	M072	565	MSD8x	298
L019-	193	M021-	548	M080-	110	MTD4x	296
L019S	193	M022-	548	M081-	110	MTD6x	296
L020	194	M023-	097	M100	215	MTD7x	297
L020-	193	M024-	097	M101	215	MTFNBASE25/32	150
L020S	193	M026-	548	M10AL6	203	MTFNx	139
L080	563	M027-	098	M13x	328	MTP4x	296

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MTP6x	295	P012-LxP	351	P039/PR	352	P440	119
MTP7x	297	P012-N	351	P045	170	P444-	107
MTP8x	295	P012-NxP	351	P046	170	P450	119
MTP9x	297	P013	572	P049-	207	P4CS	120
MVx	300	P014	099	P04x	556	P880/06S	432
Mx	126	P015	099	P050-	207	P881-	431
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N7x	239	P020	352	P056-	179	P886-	431
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NAT100x	267	P023/19	172	P061	175	PC40/R	120
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NTxZ	278	P023-xC	173	P063-	207	PC50	120
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R015	361	RP120	532	S042/3	554	S401/11	509
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R608	514	RP126	532	S047	554	S401/14	510
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1. GENERAL REGULATIONS

Fervi SpA is a company that markets its own products such as machine tools, accessories, measurement instruments and products generically called hardware items. The general conditions of sale, reported below, are undertaken by Fervi SpA and are considered valid for any order received and to be applied to all sales of products by the same. Fervi reserves the right to modify these general conditions of sale at any time and without prior notice. Any amendments, exemptions and/or particular conditions in regards to these clauses deriving from the Client shall not be in any way binding for Fervi unless expressly agreed in writing and duly signed by both parties.

2. DEFINITIONS

For the purposes of these general conditions of the contract of sale (hereinafter referred to as "Conditions of Sale"), the following terms are understood as follows:

- "Fervi/The Vendor": Fervi SpA;
- "Client(s)/Purchaser(s)": any company, body or registered entity that purchases Fervi products;
- "Product(s)": the goods produced, assembled, sold and/or distributed by Fervi;
- "Order(s)": each and any written request and/or offer of purchase of the products forwarded from the Client to Fervi by fax, email, sales representative or by any other means recognised by Fervi;
- "Sale(s)": each contract of sale concluded by Fervi and the Client, also through a sales representative;
- "Goods": quantity and type of product contained in the Client order;
- "Catalogue": illustrative volume of the Fervi products;
- "Returns": all products and goods returned by means of the procedure provided by Fervi
- "Trademark(s)": all of the trademarks of which Fervi is owner, title holder and/or licensee;
- "Intellectual Property Rights": all intellectual and industrial property right of Fervi including, without any limitation, the rights pertaining to licences for inventions, drawings or models, utility models, trademarks, logos, knowhow, technical specifications, data, whether registered rights or not, in addition to any application or registration relative to said right and every other right or form of protection of a similar nature or having an equivalent effect.

3. PRODUCTS AND MODIFICATIONS

The weights, dimensions, prices, colours and any other characteristic and date even of a figurative nature inserted in the catalogue, price lists, brochures, illustrations, flyers, offers, advertising material in general and/or other illustrative documents by Fervi, are approximate indications and are not in any case binding for Fervi.

The Vendor reserves the right to vary its products' technical or manufacturing data at any time and without prior notice and to perform any modifications considered necessary.

The Vendor is not required to make modifications that have subsequently been agreed upon to an order should the products have been already produced or be in the process of production.

The type of products and their availability may vary at any time without this incurring any liability for Fervi.

Any modification to the products by Fervi does not give the client grounds to file complaints in any case.

4. PRICES

The price is expressed in Euros and the price for each individual product is indicated in the catalogue and/or on the Fervi website; it is merely indicative and can therefore be subject to change without prior notification to the client.

In the event of promotional offers by Fervi, the price will be that indicated in these offers and may be subject to change for certain products, where specified.

Unless agreed otherwise in writing between the parties, the goods will be invoiced at the prices applicable at the time of the order.

The prices are net of VAT, taxes, tolls, customs and tax charges or any type arising from the contract which are the exclusive responsibility of the Client.

The cost of packaging is included in the price while shipping costs are always excluded.

5. ORDERS

These conditions of sale are read and approved by the Client upon the submission of the order, which is in any case received by Fervi with the clause "Subject to Company Approval."

The order must be defined in all its parts and all of the technical and administrative indications must be completed, including any tax relief. The item code and the relative quantities must be specified.

The minimum order quantities for each item are indicated in the catalogue/website.

Orders that do not correspond to this, or multiples of these amounts, will be automatically adjusted by Fervi without prior client authorisation.

Unless otherwise agreed in writing between the parties, the order is deemed irrevocable pursuant to and in accordance with Article 1331 of the Italian Civil Code.

Fervi reserves the right, at its sole discretion, to refuse or accept, in whole or in part, any variations to the order proposed by the purchaser after the submission of the order.

Fervi confirms that the client is prohibited from unilaterally withdrawing from an order and sale. In the event that the client withdraws from the order confirmed by Fervi, the client is liable in any case for the full amount of the goods.

6. ORDER ACCEPTANCE/CONFIRMATION

Upon submission of the order, the client remains committed to the prices and conditions indicated in the catalogue applicable at the time of the order.

Fervi can accept the order by shipping the goods pursuant to Article 1327 of the Italian Civil Code, without any obligation to notify the client, notwithstanding the provision in the 2nd paragraph of the aforementioned article. Fervi has the right, following the acceptance of the order, if deemed appropriate, to send the client an order confirmation by way of acceptance.

7. PARTIAL PROCESSING OF THE ORDER

Fervi reserves the right to process the order in full or in part or in various batches, taking into account the availability of products, without guaranteeing the final balance.

The remaining products will be sent to the Client, based on Fervi's availability, in accordance with the terms and conditions agreed upon by the parties in writing.

8. RETURNS

The Client is required to inform Fervi (fax: +39 059 763 037; email: assistenza@fervi.com) if the goods are returned within 8 days of receipt.

Fervi shall accept any return of goods only if approved and authorised in advance by the vendor in writing and the relative costs are fully incurred of the client.

In any case the reason for the return, the authorisation number received and the purchase invoice must be specifically indicated in the accompanying document.

The goods must be returned in their original packaging.

Unauthorised returns or returns performed using different methods from those agreed upon will not be accepted by Fervi and will be returned to the clients at their own expense.

Damaged, altered and/or modified products will not be accepted.

The aforementioned returns must be sent to Fervi SpA, Via del Commercio No. 81, 41058 Vignola (MO) Italy.

9. CLAIMS/COMPLAINTS/NON-COMPLIANT PRODUCTS

The client, through the people assigned to receive the goods, is required to check the goods, the state of the packaging or any other faults that are evident at the time of delivery in the presence of the transporter in addition to verifying the integrity of the parcels delivered and their corresponding number.

If the packaging is damaged, goods are missing or other faults are detected, the purchaser is required to file a claim in writing with the transporter immediately upon receipt of the goods at the designated space provided on the transporter slip, specifying the grounds for the claim.

The aforementioned slip, duly signed with a legible signature, must be delivered directly to the transporter.

Upon completion of the aforementioned procedure, the client is required to inform the vendor about problems in writing by fax or email, upon penalty of expiry, within 4 days from the date of receipt of the goods, indicating the order number and the date of receipt of the goods.

Any complaints regarding defects that cannot be identified through a diligent check upon receipt of the goods (visible faults) must be reported in writing to the vendor by fax or email, under penalty of expiry, within 15 days from the date the fault is discovered and, in any case, no later than twelve months from the date of receipt of the goods.

The complaint must, in any case, specify the fault encountered, the products to which it refers and the details of the purchase invoice.

If the products delivered do not comply with the order, the purchaser is required to inform the vendor, in writing, under penalty of expiry, within 8 days from the date of receipt of the goods in order to arrange the replacement.

The goods returned must be accompanied by the corresponding delivery slip with the words "goods non-compliant with order".

The return of the goods to Fervi by the purchaser, regardless of the reason, is in any case subject to written authorisation by the vendor, which will report the return method and schedule.

The goods must be returned in their original packaging, accompanied by the authorisation number received from Fervi.

Any complaints and/or disputes do not give the purchaser the right to suspend or, in any way, delay payment of the products that are the subject of the complaint and/

or dispute or other supplies.

Unauthorised returns and/or returns carried out in a method that differs to those agreed will not be accepted by Fervi and the goods will be returned to the client at the client's expense.

Product returns will not be accepted if products have been tampered with, altered, modified or are old or no longer offered by Fervi.

If the claim is not submitted in accordance with the methods and timeframes specified above, the products shall be considered compliant with those ordered by the client and the client is required to pay for the goods.

10. PAYMENT CONDITIONS/OWNERSHIP OF GOODS

Payments must be made in accordance with the methods and under the terms indicated in the invoice issued by Fervi.

The purchaser is not required to authorise any deduction or modification to the price, unless previously agreed upon in writing with the vendor.

The purchaser shall acquire ownership of the goods only upon full payment of the invoice issued by the vendor. The purchaser will, however, assume all risks pertaining to it at the time of delivery to the courier.

In the case of late payments, the vendor shall unilaterally modify the terms of any other supply and/or suspend execution until obtaining the appropriate guarantee of payment (i.e. surety or bank guarantee).

11. SHIPPING AND TRANSPORT

The client is solely responsible for shipping and transportation costs.

Fervi reserves the right to choose the carrier, to whom Fervi is not required to report the value of the goods. If the client intends to insure the shipment, it is required to expressly request this insurance upon placing the order, assuming payment of all relative charges.

The transfer of risk for the goods takes place upon their delivery to the carrier: consequently the goods always travel at the full risk and peril of the client, even in the event of carriage paid by Fervi.

Shipping of the goods, as well as any order confirmation is subject to a minimum order of €1000. If the client purchases goods directly from the sales desk at the Fervi Distribution Centre, the minimum order amount is reduced to €500. Direct shipping to Client's Customers is excluded.

12. DELIVERY TERMS

Any terms to process the order, where provided, are calculated for business days and are understood in any case as purely indicative, not mandatory or legally binding for Fervi.

Therefore, in consideration of the purely indicative nature of the terms indicated above, Fervi is not liable for damages caused directly or indirectly by the delayed execution or delayed or non-delivery of the goods.

Fervi shall not in any case be held liable for delayed or non-delivery resulting from acts of God or force majeure.

13. PRODUCT GUARANTEE/TECHNICAL COMPLIANCE

All Fervi products are covered by a manufacturer's guarantee and have all the certifications and technical compliance certificates required by law.

This guarantee is time-specific and applies to the specific product sold, excluding any other service such as any indemnity and/or compensation. This guarantee shall be applied to the product that has compliance issues and/or malfunctions not detected at the time of purchase, provided that said product is used correctly, with due diligence and with respect for its uses provided in any technical documentation, with strict compliance with the utility function as described in the manuals.

The aforementioned guarantee shall not, however, be applicable in the case of negligence or negligent product use and maintenance. In all cases, Fervi cannot be held liable for the use, applications and/or operations of the product by the client or assistant in the event of use for purposes other than and not related to those set forth in the catalogue and/or in the instructions for use/technical manual.

14. REPAIRS/TECHNICAL INTERVENTIONS/ASSISTANCE

Fervi also carries out technical assistance and repair centre services for its products.

Clients requiring interventions are required to submit their intervention request to Fervi in writing by fax or email, expressly indicating the reason for the request, the product type, the date of purchase and any other information necessary for the purpose of determining the intervention methods.

Fervi's assistance department, having examined the request, shall inform the client about the intervention to be conducted and the corresponding timeframes.

The intervention costs shall be calculated following receipt of the request and may vary based on whether the product has a valid guarantee or not.

The guarantee is effective on the date indicated on the purchase invoice. The requesting party is required to provide proof of guarantee by submitting the purchase document.

Fervi shall provide an estimate of the repair costs if the guarantee does not apply; if the guarantee is applicable, Fervi is liable for the intervention costs.

In any case, intervention is subjected to authorisation by Fervi: the client, therefore, may not send the material without Fervi's prior acceptance unless accepting the risk of incurring return costs.

The goods shall be returned by the clients at the Fervi warehouse at their own costs.

15. CHANGE TO CLIENT OWNERSHIP CONDITIONS

Fervi shall have the right to withdraw from the contract, in addition to suspending fulfilment of the obligations deriving from the sale of the products, at no charge if it becomes aware of any changes to the ownership conditions that put the products' performance at serious risk unless a suitable guarantee is provided. Fervi has this right if it becomes aware, for example and without this list being exhaustive, of a dishonoured checks or bills, or the initiation of legal, summary, ordinary or insolvency proceedings, including in tort proceedings, filed by the client.

16. INTELLECTUAL PROPERTY RIGHTS

The intellectual property rights are the complete and exclusive property of Fervi and their communication or use in connection with the Conditions of Sale does not result in any right or claim for the client.

The client is required in all cases to refrain from performing any act that is not in line with ownership of the intellectual property rights.

The client hereby declares that: Fervi is the exclusive owner of the intellectual property rights; the client shall refrain from using and registering trademarks that are similar to and/or could be confused with the trademarks that Fervi owns and/or holds the licence for; said client shall use the trademarks exclusively in compliance with Fervi instructions and exclusively for the purposes contained in these Conditions of Sale.

In all cases, the Fervi's products catalogue is, for all intents and purposes, protected by the copyright laws and, therefore, any reproduction and/or use not expressly authorised in writing is prohibited.

17. APPLICABLE LAW AND COMPETENT COURT

This contract is regulated by Italian law and for any dispute regarding its validity, interpretation or execution, the client accepts the jurisdiction of the Italian state and, in any case, the application of the Italian law in effect at the moment the dispute arises, in addition to the applicable norms on sales regulated by articles 1470 and the following of the Italian Civil Code. Any dispute arising involving the interpretation, application, execution, termination of the contract and/or these general conditions of contract, or in any way related thereof, shall be under the exclusive jurisdiction of the Court of Modena.

18. PERSONAL DATA PROCESSING

Fervi guarantees that the data provided on this contract shall be processed with the utmost confidentiality and in full respect for the regulations in effect on the protection of personal data (Legislative Decree of 30 June 2003, No. 196). In any case, processing this data follows the principles of correctness, lawfulness and transparency. All data is processed by Fervi, the data controller, in order to send the catalogue (considered pre-contractual activity), acquire, manage and process orders for the post-contractual activities and comply with the administrative, legal and tax obligations and requirements.

Data processing can be carried out both in hardcopy and through automated methods and instruments, located in and outside Italy and with electronic tools at the data controller's offices. Upon submitting the purchase order, the client is required to provide the data for administrative, legal and tax purposes and requirements.

Any refusal to provide the data will hinder the order processing. The data will not be circulated but may be distributed to Fervi employees, partners and consultants, parties who are legally permitted to accept them based on legal provisions, regulations and EU regulations and, as strictly necessary, share them with subjects that, for the purposes indicated herein, need to supply goods and/or perform services in relation to Fervi services or work. The data may be transferred to European Union countries and third party countries within the scope indicated above.

At any time, the client may exercise the rights pursuant to article 7 of the Legislative Decree No. 196/2003 or access personal data in order to learn about the use of said data, request a cancellation, correction, modification, update or integration or object to the processing by writing by sending notice to the Fervi offices at Via del Commercio No. 81, 41058, Vignola (Mo).

**WARNING - ALWAYS CHECK THE INTEGRITY OF THE PARCELS AT THE TIME OF RECEIPT.
IN THE EVENT OF DAMAGE, INCLUDE AN INTELLIGIBLE CLAIM ON OUR DELIVERY SLIP OR INVOICE.
FERVISpA CANNOT BE HELD LIABLE FOR ANY DAMAGES CAUSED DURING TRANSPORT.**