



THE CATALOGUE

THE CATALOGUE FOR
MRO PROFESSIONALS
[MAINTENANCE,
REPAIR AND
OPERATIONS]

46



MACHINERY AND ACCESSORIES



CUTTING TOOLS



ABRASIVES



WORKSHOP EQUIPMENT



HARDWARE



GENERAL TOOLS



MEASURE



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FERVI ANSWERS 
+39 059.767172



CUSTOMER SERVICE

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



TECHNICAL DEPARTMENT

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



ENGLISH

www.fervi.com

 info@fervi.com



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PRICES

VAT NOT INCLUDED

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DYNAMOMETERS**

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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.

The logo features a white square with a black geometric pattern, followed by the word "FERVI" in a bold, white, sans-serif font. The background is a dark, industrial scene with a drill bit and various metal parts.

FIT FOR YOU

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



*THE CUSTOMER AT THE
HEART OF EVERYTHING*



*CONTINUOUS
IMPROVEMENT*



*TRANSPARENCY
IN BEHAVIOUR*



*TEAM
SPIRIT*

FERVI GROUP

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.



2012
3800 products



2014
4700 products



2016
5700 products



2018
6800 products

1991

Veprug evolved into the Fervi-branded business project.

2012

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

2015

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

1978

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

2011

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

2013

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

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.



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.



2020

8500+ products



2022

8600 products



2024

8600+ products

2019

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

2022 **FERVI GROUP**

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.

2018

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

2021

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

2023

Fervi achieves ESG certification AA- rating.

EXTENSIVE COVERAGE. INTERNATIONAL CONFIDENCE.

Our distribution and customer support.

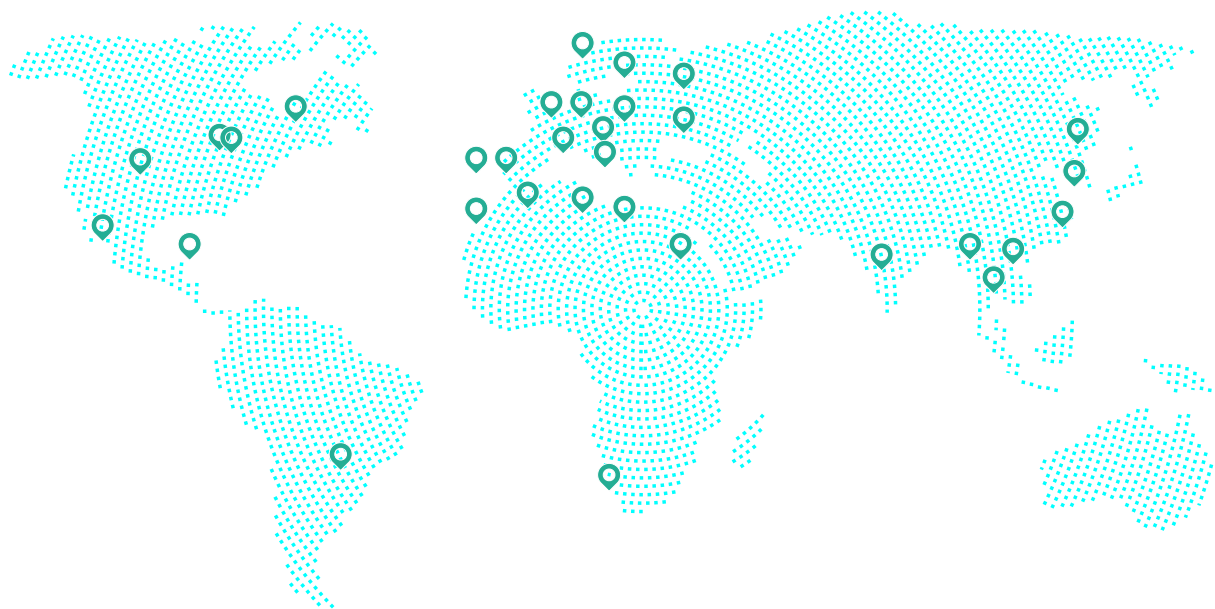
With over **4,500 points of sale in Italy, a presence in more than 50 countries around the world** and more than 8,000 customers, the Fervi Group has today assumed a clearly defined position: that of being ever closer to its customers, to guarantee them daily support for business development.

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

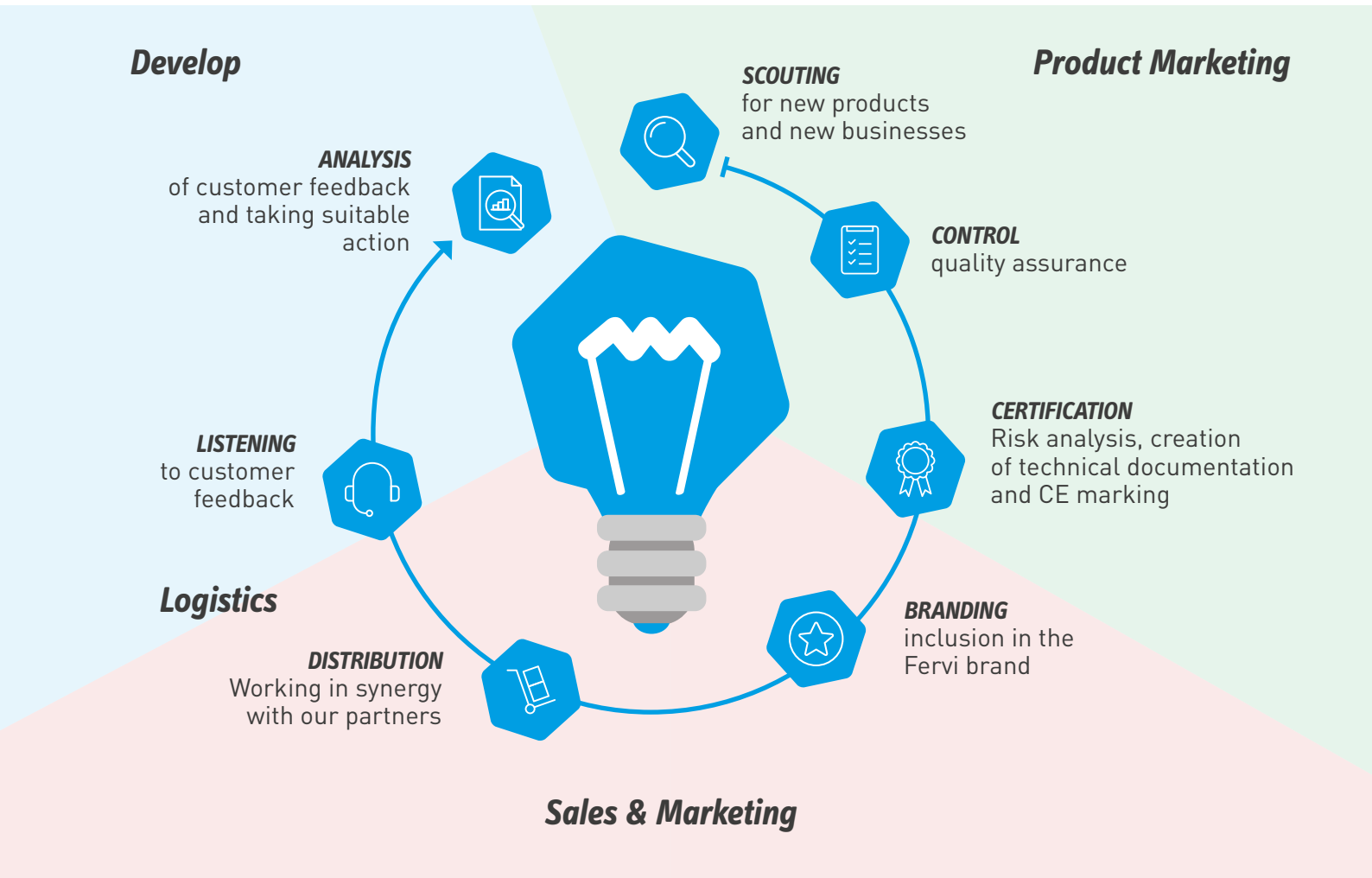


***A single address,
personalized solutions.***

The Group presents itself as One-Stop-Shop
able to keep the world working

Management, organization, method.

Quality the Fervi way.



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

Our quality

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

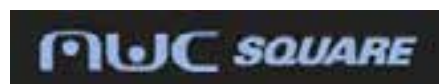


Our concern for environmental sustainability has prompted us to produce an eco-sustainable catalogue, using lighter and less treated PEFC paper, with a single goal in mind: to care for our planet by saving, in our own small way, as much CO2 as we possibly can.





FERVI FOR SPORT



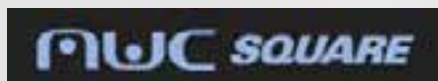


FERVI FOR THE UNIVERSITY





FERVI FOR SPORT



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.

WSBK



LBA



IHL



FERVI FOR THE UNIVERSITY

SKYWARD
Experimental Rocketry

 **DYNAMIS**
POLIMI REPARTO CORSE

DIGITAL FERVI

Quality for sharing

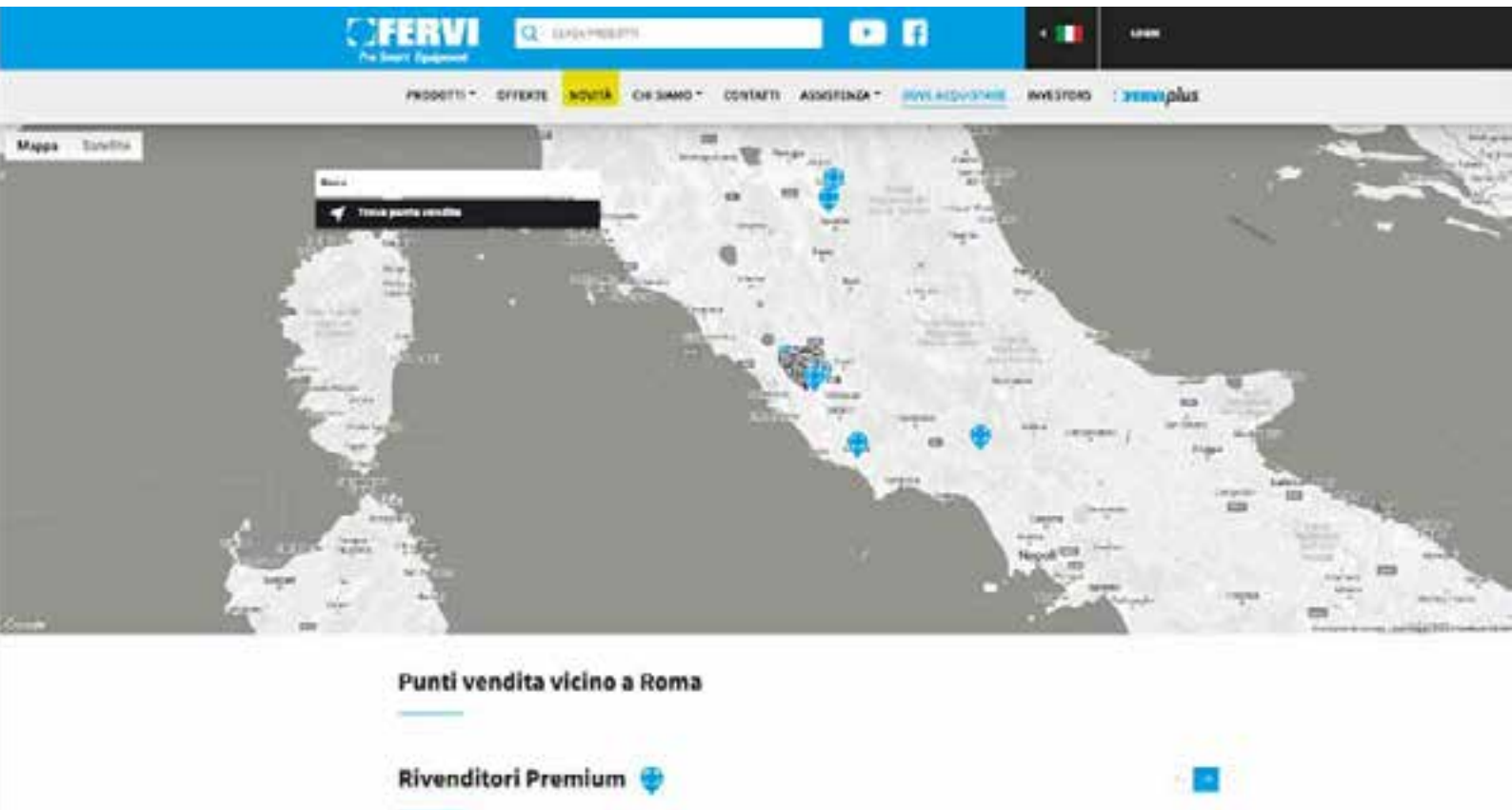
Fervi focuses more and more on digital and social platforms to showcase its products at their best and meet the needs of the community promptly, at any time of day.



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.

Offers Section - Don't miss the opportunity to immediately discover the Promotions that FERVI reserves for its customers. Easy, fast and visible with any device.

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

Display panels

Ideal for displaying manual tools



Sail banners

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



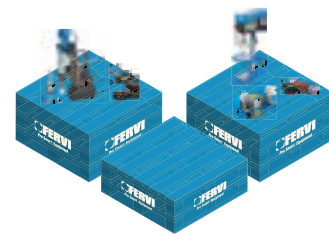
Gazebos

Ideal for indoor displays of machinery, workshop furniture and anything else that may require a covered, intimate 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.



Countertop Displays

The perfect way to present best runners to your customers



Pallbox

To be placed in front of the counter or near the cash register to facilitate purchase



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.

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








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LATHES

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MILLING MACHINES

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DRILL PRESSES

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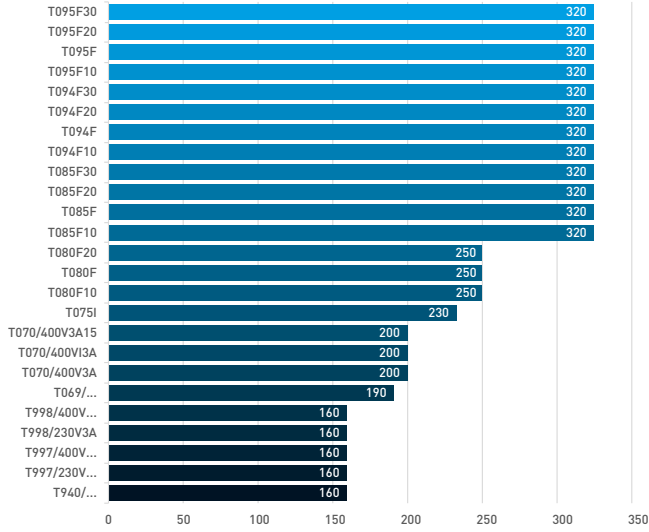
PROFESSIONAL LATHE



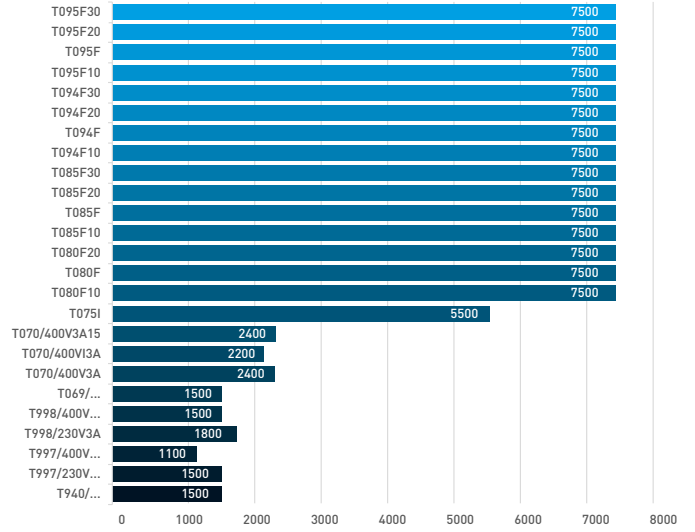


PROFESSIONAL LATHE

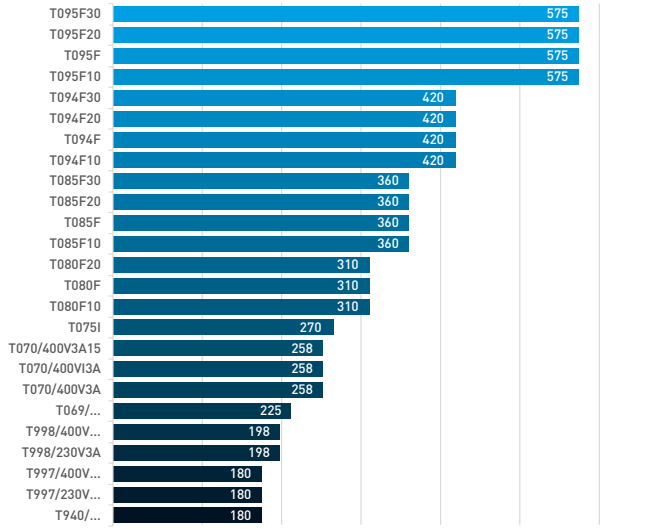
Spindle diameter (mm)



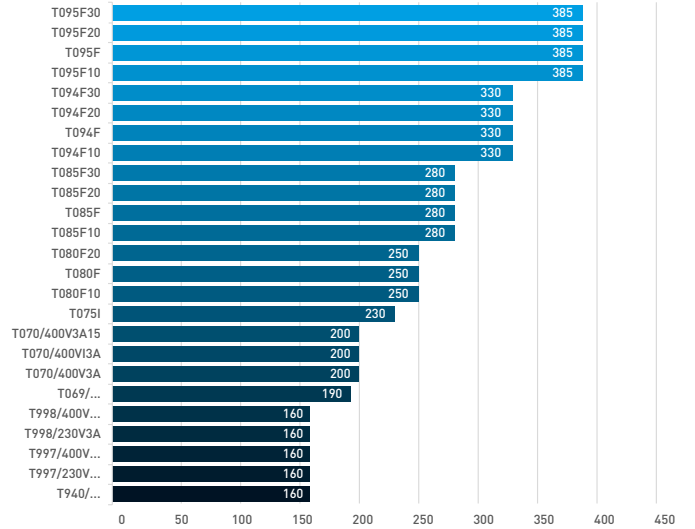
Power (W)



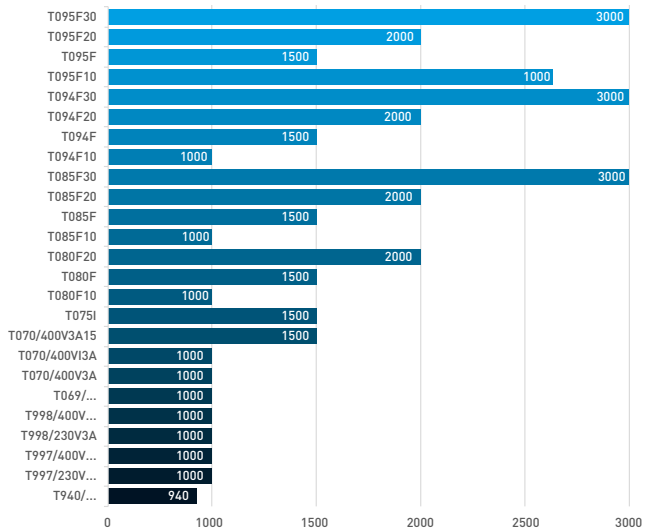
Max swing over the cross slide (mm)



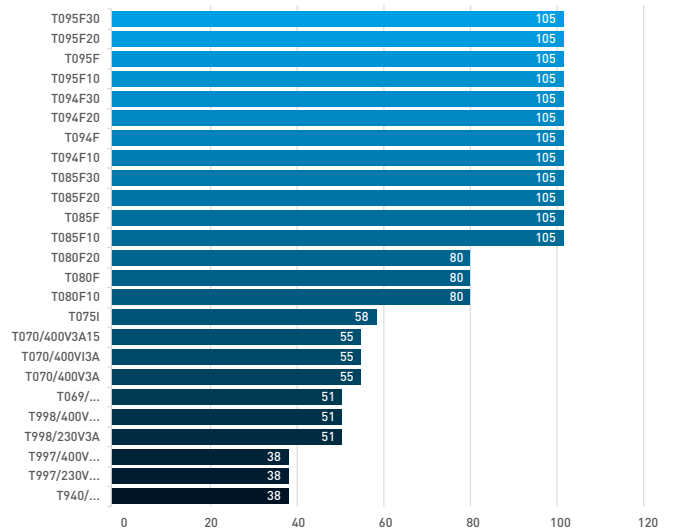
Centers height (mm)



Distance between centers (mm)

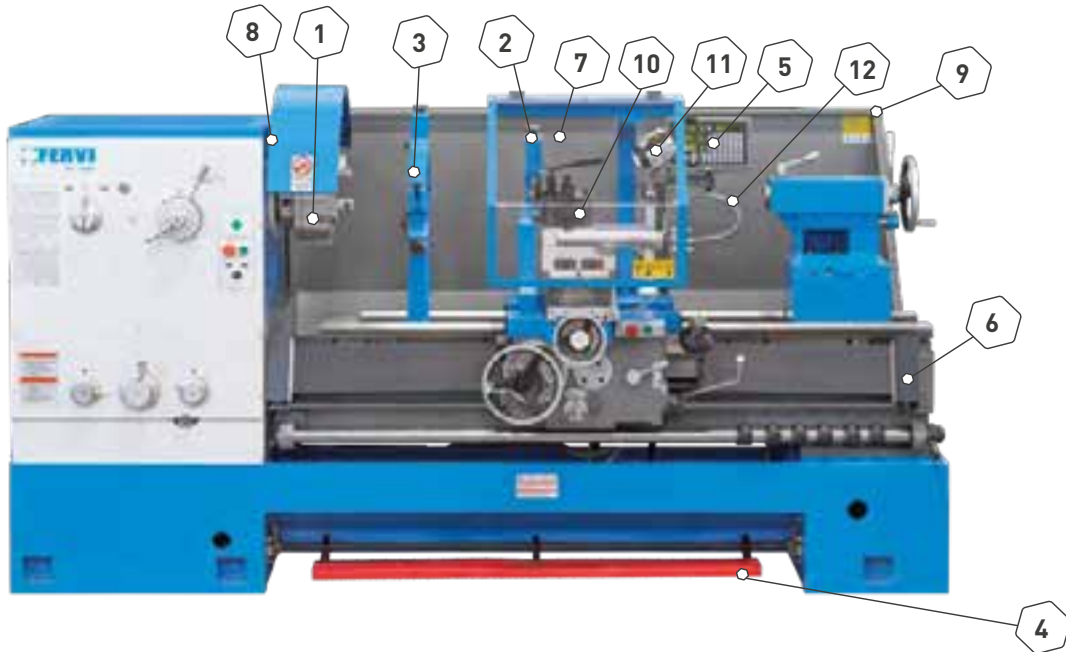


Spindle bore (mm)



T095Fx
NEW
GEAR HEAD LATHE WITH READOUT

With mechanical spindle clutch and 3 axis readout, semi norton gear box. Equipped with a joystick for the insertion of rapid advances. With cast iron monobloc base. Also available in 60 Hz version.



- 1** Self centering chuck 3+3
Ø 320 mm
- 2** Follow rest
- 3** Steady rest
- 4** Foot brake
- 5** 3 Axis readout

- 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

INCLUDED ACCESSORIES

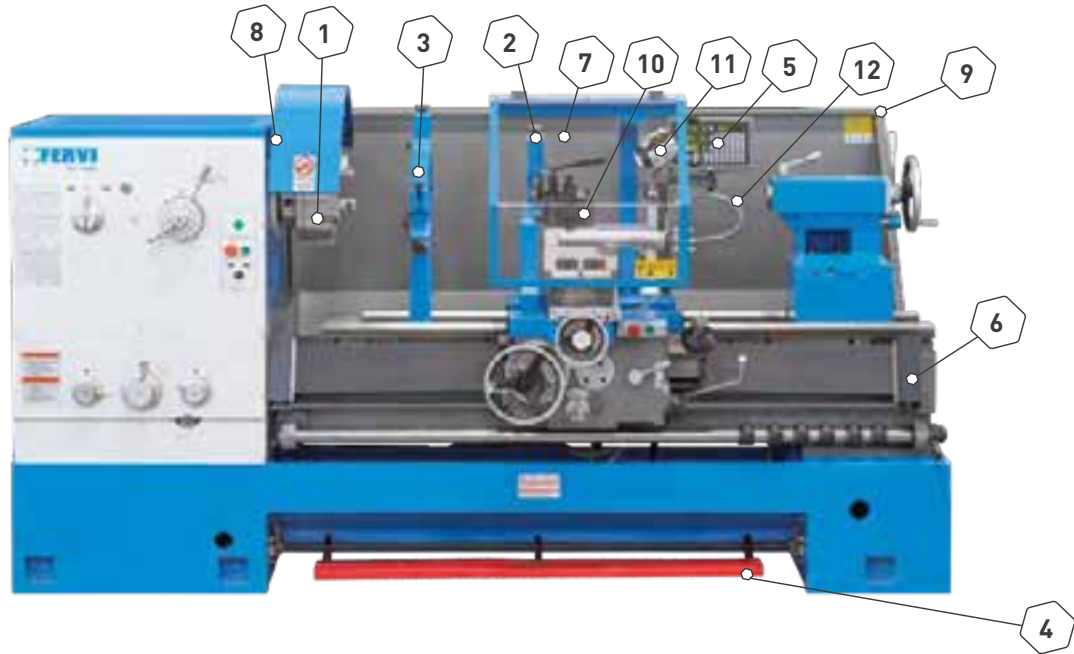
- 3 reversible jaw self centering chuck Ø 320 mm
- 4 independent jaw chuck Ø 400 mm
- Face plate Ø 600 mm
- Follow rest
- Steady rest
- Live center MT 5
- Thread dial
- Leadscrew hood
- Tool post guard
- Chuck safeguard
- Full length splash guard
- Italy style quick change tool post type C
- Working LED lamp
- Cooling system
- Electromechanical foot brake
- Tailstock carriage a quick locking
- Wagon gears in oil bath
- Adjustable leveling feet

Art.	T095F10 NEW	T095F	T095F20 NEW	T095F30 NEW
Centers height	385 mm	385 mm	385 mm	385 mm
Max swing over the bed	770 mm	770 mm	770 mm	770 mm
Max swing over the cross slide	575 mm	575 mm	575 mm	575 mm
Max swing over the gap	1050 mm	1050 mm	1050 mm	1050 mm
Tool height	32 mm	32 mm	32 mm	32 mm
Distance between centers	1000 mm	1500 mm	2000 mm	3000 mm
Spindle bore	105 mm	105 mm	105 mm	105 mm
Spindle nose Camlock	Camlock D1-8	Camlock D1-8	Camlock D1-8	Camlock D1-8
Spindle speed	(12) 36 ÷ 1600 rpm	(12) 36 ÷ 1600 rpm	(12) 36 ÷ 1600 rpm	(12) 36 ÷ 1600 rpm
Longitudinal feeds	0,063 ÷ 2,52 mm/rev	0,063 ÷ 2,52 mm/rev	0,063 ÷ 2,52 mm/rev	0,063 ÷ 2,52 mm/rev
Cross feeds	0,027 ÷ 1,07 mm/rev	0,027 ÷ 1,07 mm/rev	0,027 ÷ 1,07 mm/rev	0,027 ÷ 1,07 mm/rev
Metric threads	(22) 1 ÷ 14 mm	(22) 1 ÷ 14 mm	(22) 1 ÷ 14 mm	(22) 1 ÷ 14 mm
Inch threads	(26) 2 ÷ 28 TPI	(26) 2 ÷ 28 TPI	(26) 2 ÷ 28 TPI	(26) 2 ÷ 28 TPI
Tailstock taper MT	5	5	5	5
Motor	400V 50/60 Hz 7,5 kW	400V 50 Hz 7,5 kW	400V 50/60 Hz 7,5 kW	400V 50/60 Hz 7,5 kW
Cooling pump	400V 50/60 Hz 90 W	400V 50 Hz 90 W	400V 50/60 Hz 90 W	400V 50/60 Hz 90 W
Dimensions	2500 x 1550 x 1700 mm	3000 x 1550 x 1700 mm	3500 x 1550 x 1700 mm	4500 x 1550 x 1700 mm
Net weight	3250 Kg	3560 kg	3950 Kg	4050 Kg



T094Fx
NEW
GEAR HEAD LATHE WITH READOUT

With mechanical spindle clutch and 3 axis readout, semi norton gear box. Equipped with a joystick for the insertion of rapid advances. With cast iron monobloc base. Also available in 60 Hz version.


1 Self centering chuck 3+3
 \varnothing 320 mm

2 Follow rest
3 Steady rest
4 Foot brake
5 3 Axis readout
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
INCLUDED ACCESSORIES

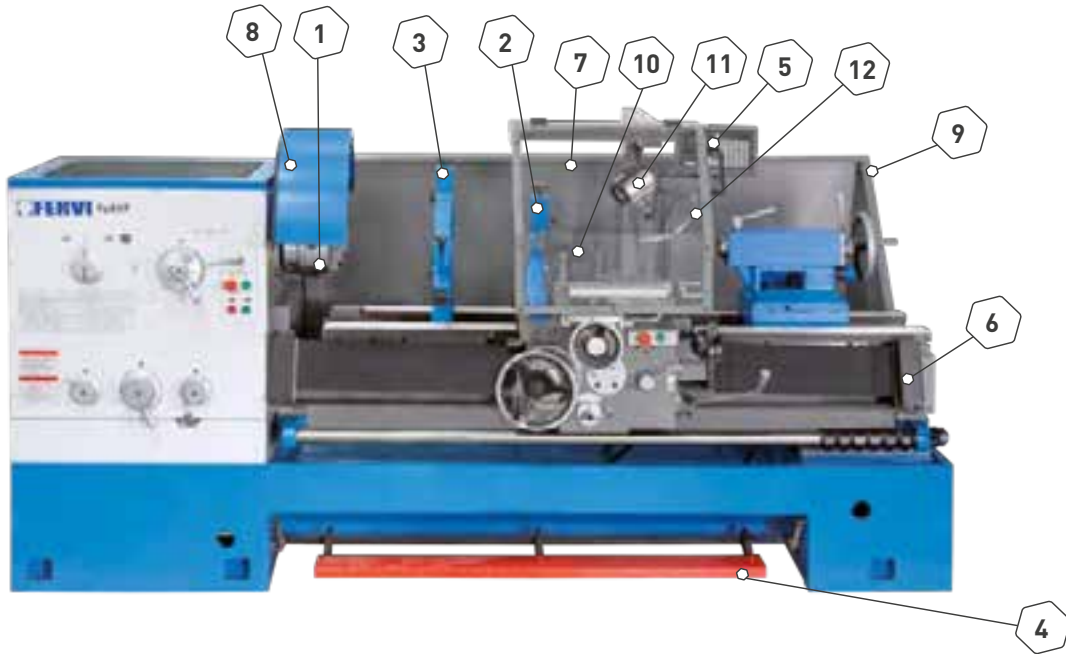
- 3 reversible jaw self centering chuck \varnothing 320 mm
- 4 independent jaw chuck \varnothing 400 mm
- Face plate \varnothing 600 mm
- Follow rest
- Follow rest
- Live center MT 5
- Thread dial
- Leadscrew hood
- Tool post guard
- Chuck safeguard
- Full length splash guard
- Italy style quick change 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

Art.	T094F10	NEW	T094F	NEW	T094F20	NEW	T094F30	NEW
Centers height	330 mm		330 mm		330 mm		330 mm	
Max swing over the bed	660 mm		660 mm		660 mm		660 mm	
Max swing over the cross slide	420 mm		420 mm		420 mm		420 mm	
Max swing over the gap	870 mm		870 mm		870 mm		870 mm	
Tool height	32 mm		32 mm		32 mm		32 mm	
Distance between centers	1000 mm		1500 mm		2000 mm		3000 mm	
Spindle bore	105 mm		105 mm		105 mm		105 mm	
Spindle nose Camlock	Camlock D1-8		Camlock D1-8		Camlock D1-8		Camlock D1-8	
Spindle speed	(12) 36 ÷ 1600 rpm		(12) 36 ÷ 1600 rpm		(12) 36 ÷ 1600 rpm		(12) 36 ÷ 1600 rpm	
Longitudinal feeds	0,063 ÷ 2,52 mm/giro		0,063 ÷ 2,52 mm/rev		0,063 ÷ 2,52 mm/giro		0,063 ÷ 2,52 mm/giro	
Cross feeds	0,027 ÷ 1,07 mm/rev		0,027 ÷ 1,07 mm/rev		0,027 ÷ 1,07 mm/rev		0,027 ÷ 1,07 mm/rev	
Metric threads	(22) 1 ÷ 14 mm		(22) 1 ÷ 14 mm		(22) 1 ÷ 14 mm		(22) 1 ÷ 14 mm	
Inch threads	(26) 2 ÷ 28 TPI		(26) 2 ÷ 28 TPI		(26) 2 ÷ 28 TPI		(26) 2 ÷ 28 TPI	
Tailstock taper MT	5		5		5		5	
Motor	400V 50 Hz 7,5 kW		400V 50 Hz 7,5 kW		400V 50 Hz 7,5 kW		400V 50 Hz 7,5 kW	
Cooling pump	400V 50 Hz 90 W		400V 50 Hz 90 W		400V 50 Hz 90 W		400V 50 Hz 90 W	
Dimensions	2500 x 1400 x 1600 mm		3000 x 1400 x 1600 mm		3500 x 1400 x 1600 mm		4500 x 1400 x 1600 mm	
Net weight	3040 Kg		3330 Kg		3700 Kg		3820 Kg	



T085Fx
NEW
GEAR HEAD LATHE WITH READOUT

With mechanical spindle clutch and 3 axis readout, semi norton gear box. Equipped with a joystick for the insertion of rapid advances. With cast iron monobloc base. Also available in 60 Hz version.



- 1** Self centering chuck 3+3
Ø 320 mm
- 2** Follow rest
- 3** Steady rest
- 4** Foot brake
- 5** 3 Axis readout
- 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

INCLUDED ACCESSORIES

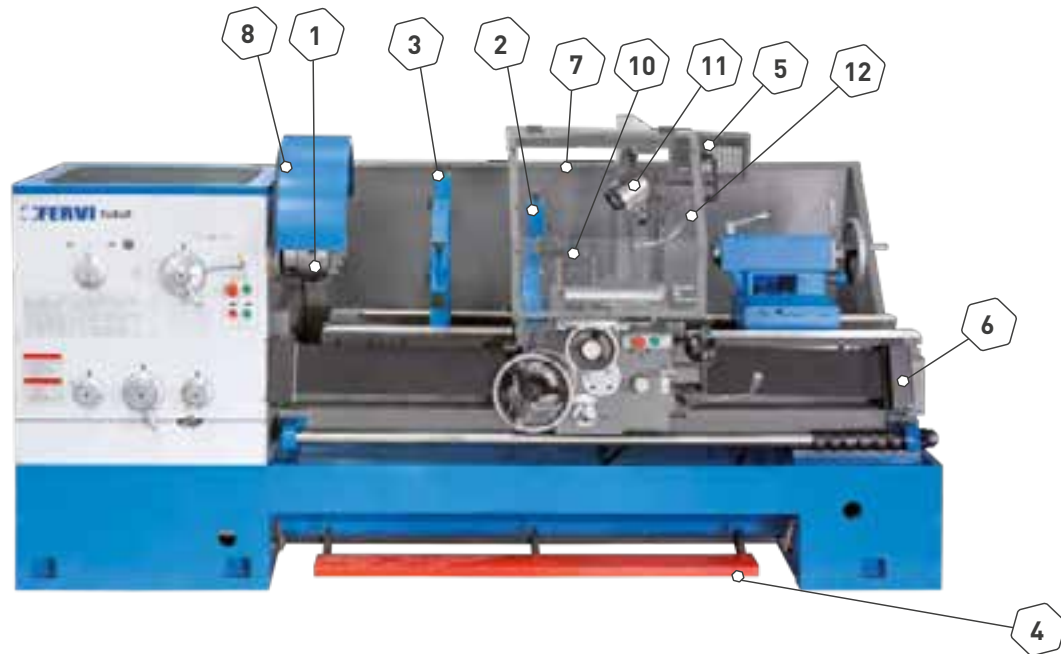
- 3 reversible jaw self centering chuck Ø 320 mm
- 4 independent jaw chuck Ø 400 mm
- Face plate Ø 600 mm
- Follow rest
- Steady rest
- Live center MT 5
- Thread dial
- Leadscrew hood
- Tool post guard
- Chuck safeguard
- Full length splash guard
- Italy style quick change tool post type C
- Working LED lamp
- Cooling system
- Electromechanical foot brake
- Tailstock carriage a quick locking
- Wagon gears in oil bath
- Adjustable leveling feet

Art.	T085F10	NEW	T085F	NEW	T085F20	NEW	T085F30	NEW
Centers height	280 mm		280 mm		280 mm		280 mm	
Max swing over the bed	560 mm		560 mm		560 mm		560 mm	
Max swing over the cross slide	360 mm		360 mm		360 mm		360 mm	
Max swing over the gap	770 mm		770 mm		770 mm		770 mm	
Tool height	32 mm		32 mm		32 mm		32 mm	
Distance between centers	1000 mm		1500 mm		2000 mm		3000 mm	
Spindle bore	105 mm		105 mm		105 mm		105 mm	
Spindle nose Camlock	Camlock D1-8		Camlock D1-8		Camlock D1-8		Camlock D1-8	
Spindle speed	(12) 36 ÷ 1600 rpm		(12) 36 ÷ 1600 rpm		(12) 36 ÷ 1600 rpm		(12) 36 ÷ 1600 rpm	
Longitudinal feeds	0,063 ÷ 2,52 mm/rev		0,063 ÷ 2,52 mm/rev		0,063 ÷ 2,52 mm/rev		0,063 ÷ 2,52 mm/rev	
Cross feeds	0,027 ÷ 1,07 mm/rev		0,027 ÷ 1,07 mm/rev		0,027 ÷ 1,07 mm/rev		0,027 ÷ 1,07 mm/rev	
Metric threads	(22) 1 ÷ 14 mm		(22) 1 ÷ 14 mm		(22) 1 ÷ 14 mm		(22) 1 ÷ 14 mm	
Inch threads	(26) 2 ÷ 28 TPI		(26) 2 ÷ 28 TPI		(26) 2 ÷ 28 TPI		(26) 2 ÷ 28 TPI	
Tailstock taper MT	5		5		5		5	
Motor	400V 50/60 Hz 7,5 kW		400V 50/60 Hz 7,5 kW		400V 50/60 Hz 7,5 kW		400V 50/60 Hz 7,5 kW	
Cooling pump	400V 50/60 Hz 90 W		400V 50/60 Hz 90 W		400V 50/60 Hz 90 W		400V 50/60 Hz 90 W	
Dimensions	2500 x 1400 x 1500 mm		3000 x 1400 x 1500 mm		3500 x 1400 x 1500 mm		4500 x 1400 x 1500 mm	
Net weight	2920 Kg		3210 Kg		3580 Kg		3700 Kg	



T080Fx
NEW
GEAR HEAD LATHE WITH READOUT

With mechanical spindle clutch and 3 axis readout, semi norton gear box. Equipped with a joystick for the insertion of rapid advances. With cast iron monobloc base. Also available in 60 Hz version.



- 1 **Self centering chuck 3+3**
Ø 250 mm
- 2 **Follow rest**
- 3 **Steady rest**
- 4 **Foot brake**
- 5 **3 Axis readout**

- 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**

INCLUDED ACCESSORIES

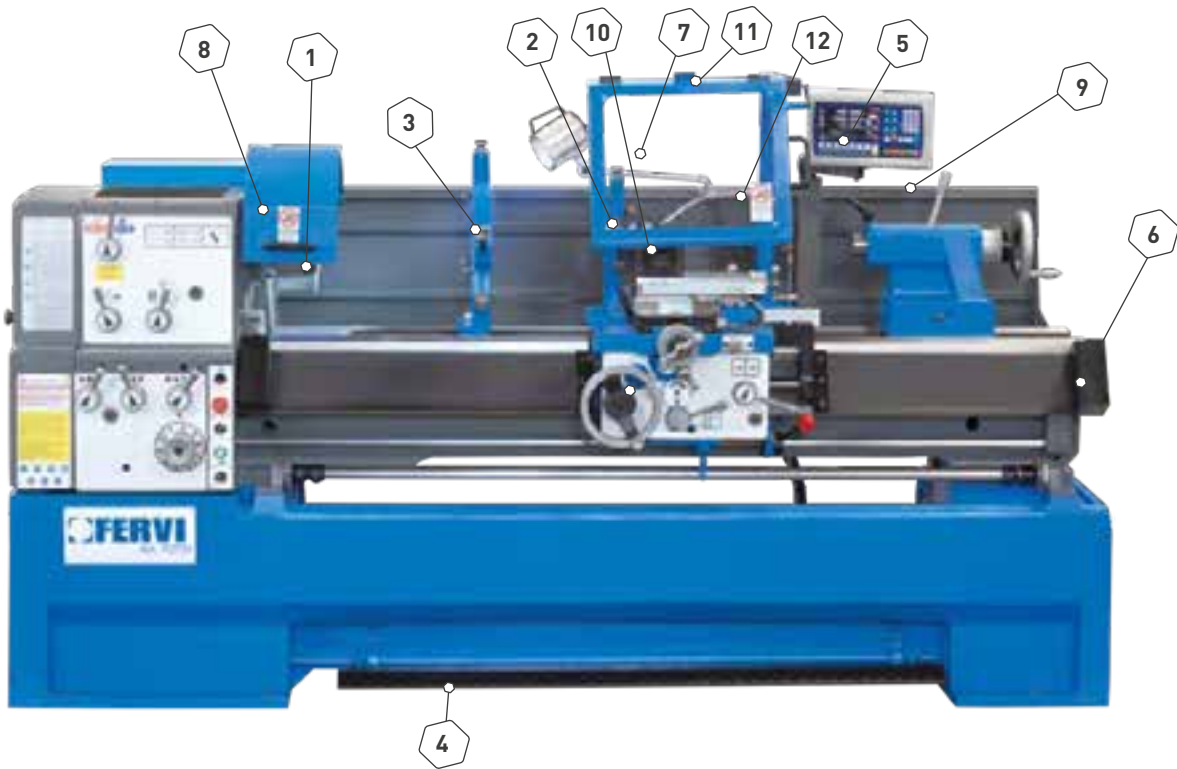
- 3 reversible jaw self centering chuck Ø 250 mm
- 4 independent jaw chuck Ø 320 mm
- Reduction sleeve MT 7/5
- Face plate Ø 400 mm
- Follow rest
- Steady rest
- 2 x Dead center MT 5
- Live center MT 5
- Thread dial
- Leadscrew hood
- Turret guard
- Chuck safeguard
- Full length splash guard
- Italy 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

Art.	T080F10	NEW	T080F	T080F20
Centers height	250 mm		250 mm	250 mm
Max swing over the bed	500 mm		500 mm	500 mm
Max swing over the cross slide	310 mm		310 mm	310 mm
Max swing over the gap	720 mm		720 mm	720 mm
Tool height	32 mm		32 mm	32 mm
Distance between centers	1000 mm		1500 mm	2000 mm
Spindle bore	80 mm		80 mm	80 mm
Spindle nose Camlock	Camlock D1-8		Camlock D1-8	Camlock D1-8
Spindle speed	(12) 36 ÷ 1600 rpm		(12) 36 ÷ 1600 rpm	(12) 36 ÷ 1600 rpm
Longitudinal feeds	0,063 ÷ 2,52 mm/giro		0,063 ÷ 2,52 mm/giro	0,063 ÷ 2,52 mm/giro
Cross feeds	0,063 ÷ 2,52 mm/rev		0,027 ÷ 1,07 mm/rev	0,027 ÷ 1,07 mm/rev
Metric threads	(22) 1 ÷ 14 mm		(22) 1 ÷ 14 mm	(22) 1 ÷ 14 mm
Inch threads	(26) 2 ÷ 28 TPI		(26) 2 ÷ 28 TPI	(26) 2 ÷ 28 TPI
Tailstock taper MT	5		5	5
Motor	400V 50/60 Hz 7,5 kW		400V 50/60 Hz 7,5 kW	400V 50/60 Hz 7,5 kW
Cooling pump	400V 50/60 Hz 90 W		400V 50/60 Hz 90 W	400V 50/60 Hz 90 W
Dimensions	2500 x 1400 x 1500 mm		3000 x 1400 x 1500 mm	3500 x 1400 x 1500 mm
Net weight	2840 Kg		3080 kg	3320 kg



T075I
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 readout
- 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
Tool height	25 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
Cooling pump	400V 50 Hz 90 W
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

GEAR HEAD LATHE WITH READOUT

With 2 speed motor and 3 axis readout, 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 T0AB 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
Tool height	20 mm
Distance between centers	1500 mm
Spindle bore	55 mm
Spindle bore	50 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	850 kg

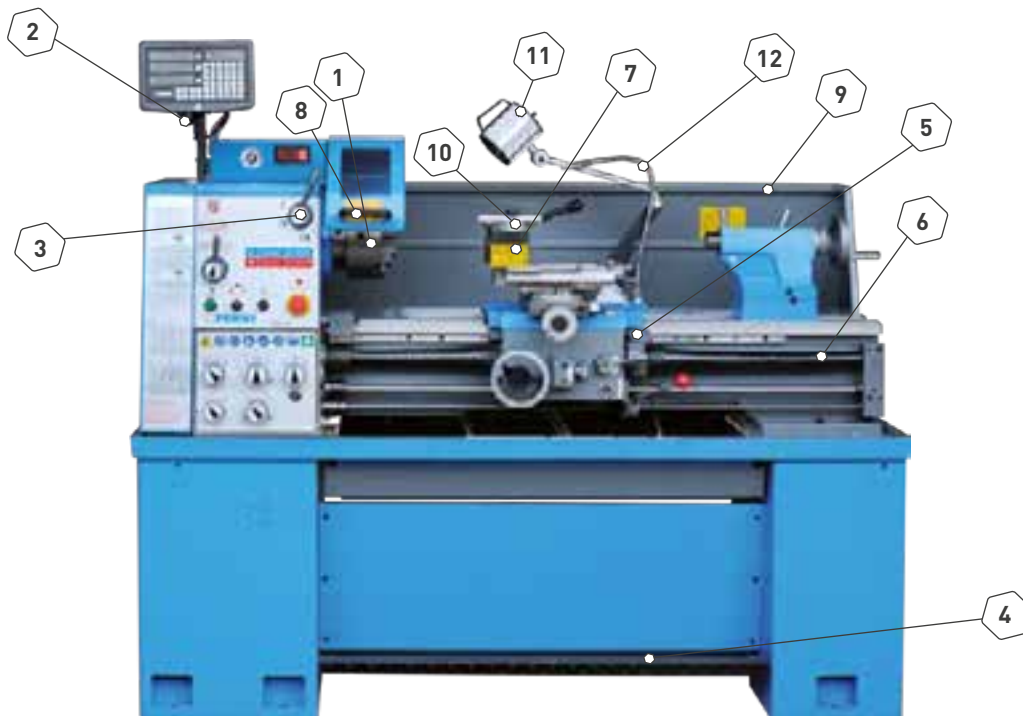
INCLUDED ACCESSORIES

- 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
- T0AB 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
GEAR HEAD LATHE WITH INVERTER AND READOUT

3 axis readout 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 readout
- 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
Tool height	20 mm
Distance between centers	1000 mm
Spindle bore	55 mm
Spindle bore	50 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

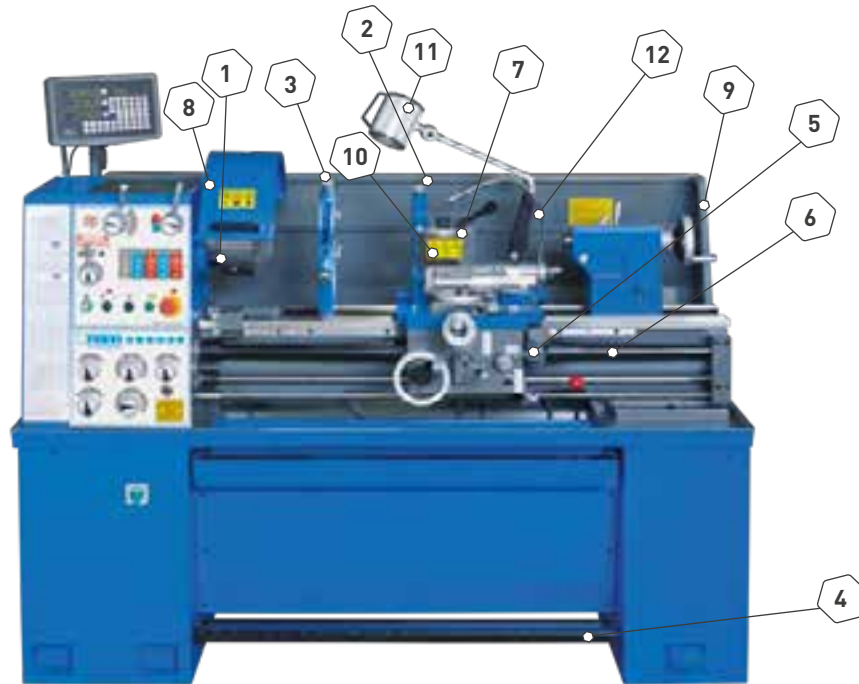
- 3+3 jaw self centering chuck Ø 200 mm
- 4 independent jaw chuck Ø 200 mm
- Reduction sleeve MT 6/4
- Face plate Ø 320 mm
- Follow rest
- Steady rest
- 2 x Dead center MT 4
- Live center MT 4
- Thread dial
- Leadscrew hood
- Turret guard
- Chuck safeguard
- TOAB quick change tool post
- Working lamp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



T070/400V3A

GEAR HEAD LATHE WITH READOUT

With 2 speed motor and 3 axis readout, 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
Tool height	20 mm
Distance between centers	1000 mm
Spindle bore	55 mm
Spindle bore	50 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

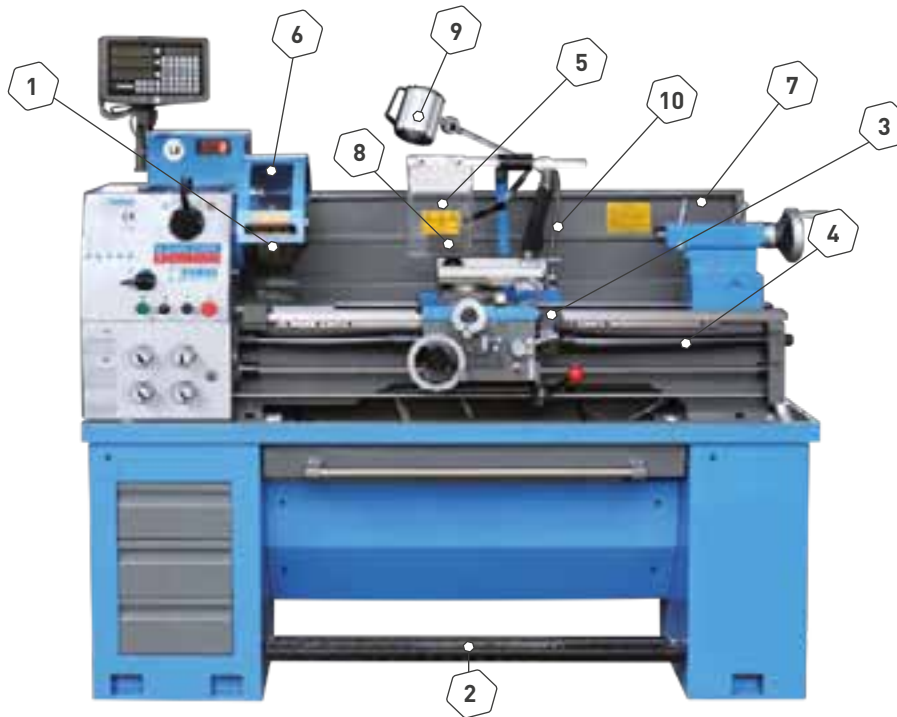
INCLUDED ACCESSORIES

- 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
GEAR HEAD LATHE WITH INVERTER AND READOUT

3 axis readout 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	190 mm
Max swing over the bed	380 mm
Max swing over the cross slide	225 mm
Max swing over the gap	503 mm
Tool height	20 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

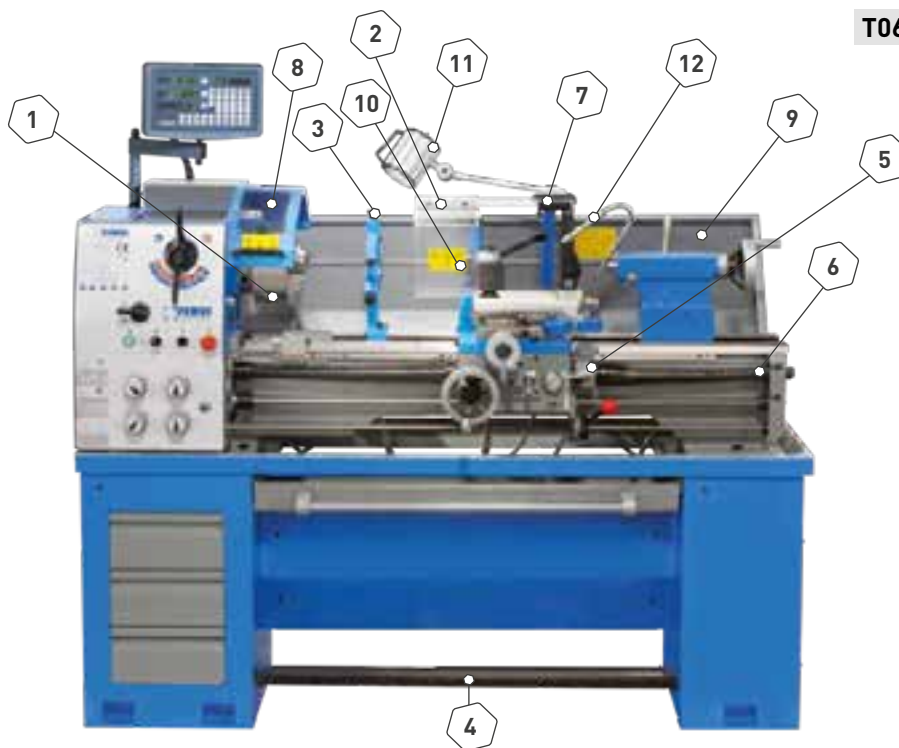
INCLUDED ACCESSORIES

- 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
- TOAE 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
GEAR HEAD LATHE WITH READOUT

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

T069/400V
WITHOUT READOUT


- 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	200 mm
Max swing over the bed	400 mm
Max swing over the cross slide	258 mm
Max swing over the gap	550 mm
Tool height	20 mm
Distance between centers	1000 mm
Spindle bore	55 mm
Spindle bore	50 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

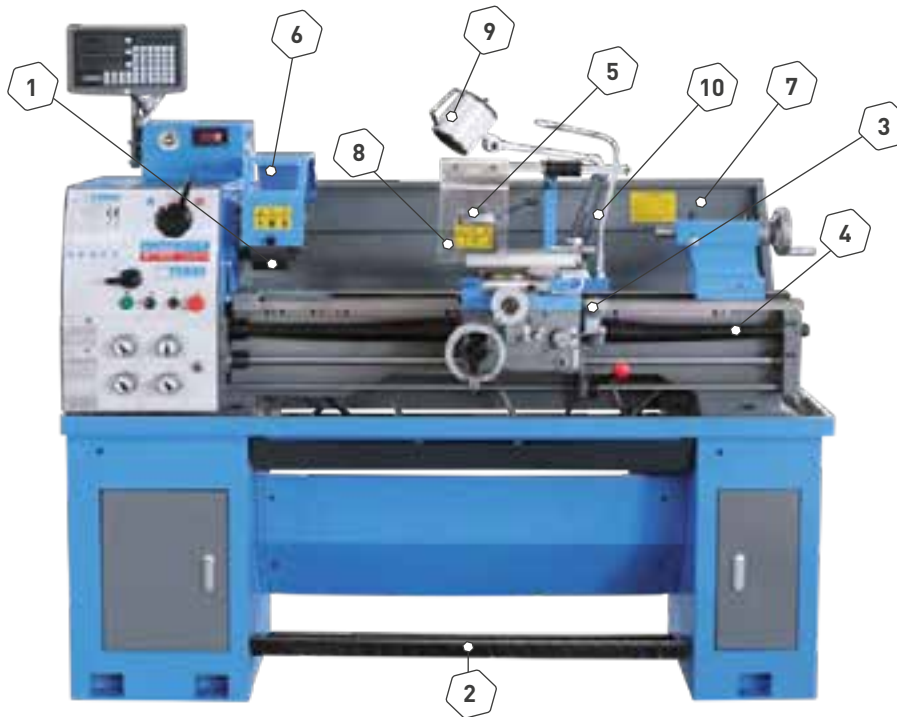
INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 200 mm
- 4 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
GEAR HEAD LATHE WITH INVERTER AND READOUT

3 axis readout 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
Tool height	20 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



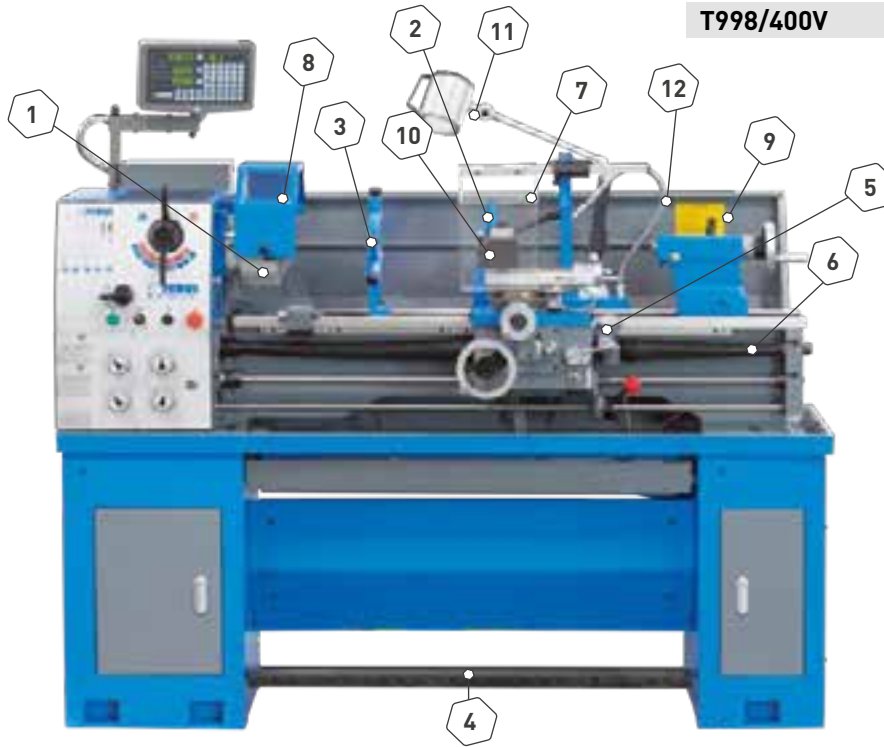
T998/230V3A & T998/400V3A

GEAR HEAD LATHE WITH READOUT

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

T998/400V

WITHOUT READOUT



- 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 **T0AE 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
Tool height	20 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
Dimensions	1820 x 800 x 1320 h mm
Net weight	630 kg

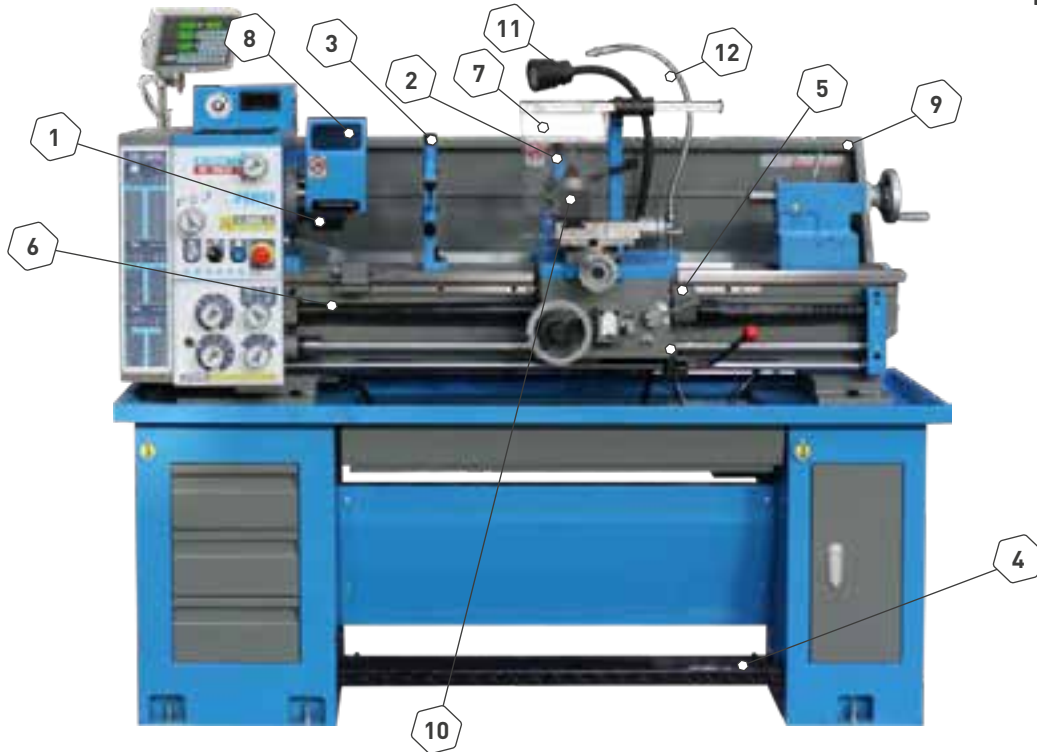
INCLUDED ACCESSORIES

- 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
- T0AE quick change tool post
- Working lamp
- Cooling system
- Clutch on turning bar
- Quick locking tailstock carriage
- Wagon gears in oil bath



T997/230VI3A
NEW
GEAR HEAD LATHE WITH INVERTER AND READOUT

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

T997/230VI
WITHOUT READOUT


- 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** T0AE 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	180 mm
Tool height	16 mm
Distance between centers	1000 mm
Spindle bore taper MT	5
Spindle bore	38 mm
Spindle nose Camlock	Camlock D1-4
Spindle speed	(3) 60-1750 rpm
Longitudinal feeds	(40) 0,053 - 1,291 mm/rev
Cross feeds	(40) 0,011 - 0,275 mm/rev
Metric threads	(32) 0,4 - 7 mm
Inch threads	(36) 4 - 60 TPI
Tailstock taper MT	3
Motor	230 V 50/60 Hz 1.5 kW
Dimensions	1850 x 700 x 1550 mm
Net weight	550 Kg

INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 160 mm
- 4 Reversible independent jaws chuck Ø 200 mm
- Face plate Ø 250 mm
- Follow rest
- Steady rest
- Reduction sleeve MT 5/3
- Dead center MT 3
- Dead center MT 5
- Live center MT 3
- Foot brake
- Thread dial
- Leadscrew protection
- Turret protection
- Chuck safeguard
- Full length splash guard
- T0AE quick change tool post
- Working lamp LED
- Quick locking tailstock carriage
- Cooling system
- Clutch on turning bar
- Wagon gears in oil bath



T997/400V3A & T997/230V3A

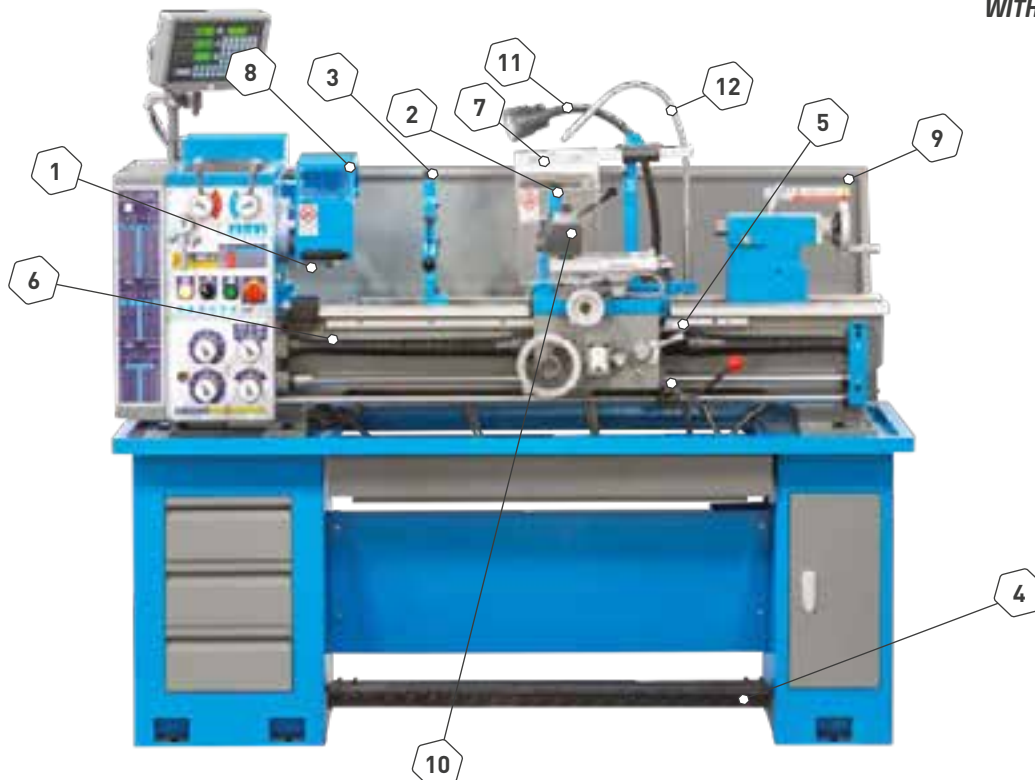
NEW

GEAR HEAD LATHE WITH READOUT

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

T997/400V & T997/230V

WITHOUT READOUT



- 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 T0AE 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	180 mm
Tool height	16 mm
Distance between centers	1000 mm
Spindle bore taper MT	5
Spindle bore	38 mm
Spindle nose Camlock	Camlock D1-4
Spindle speed	(18) 75-1800 rpm
Longitudinal feeds	(40) 0,053 - 1,291 mm/rev
Cross feeds	(40) 0,011 - 0,275 mm/rev
Metric threads	(32) 0,4 - 7 mm
Inch threads	(36) 4 - 60 TPI
Tailstock taper MT	3
Motor	400 V 50/60 Hz 1.1 kW
Dimensions	1850 x 700 x 1550 mm
Net weight	550 Kg

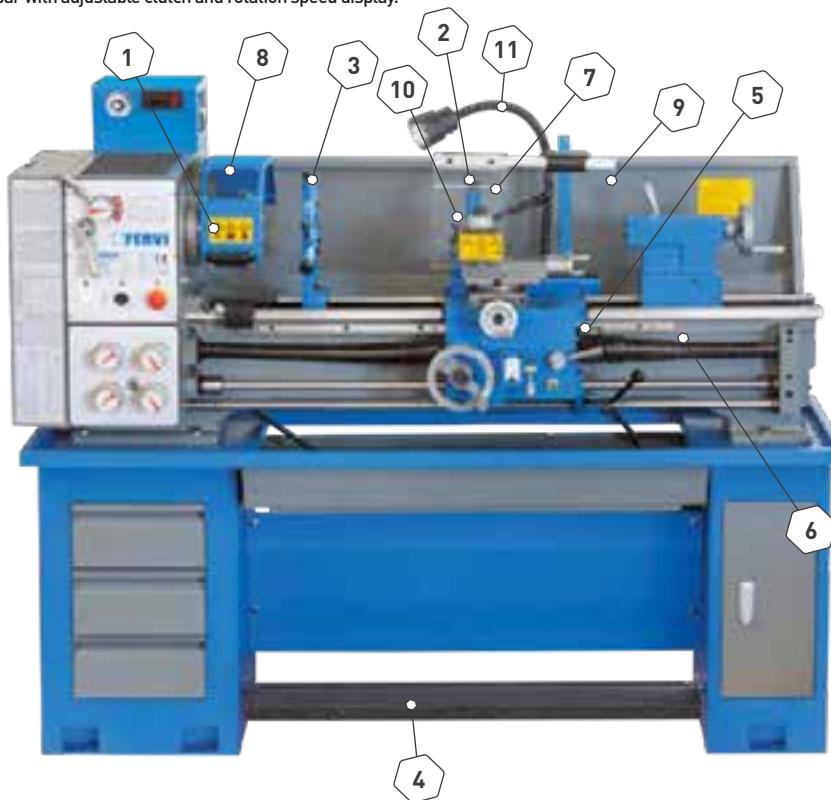
INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 160 mm
- 4 Reversible independent jaws chuck Ø 200 mm
- Face plate Ø 250 mm
- Follow rest
- Steady rest
- Reduction sleeve MT 5/3
- Dead center MT 3
- Dead center MT 5
- Live center MT 3
- Foot brake
- Thread dial
- Leadscrew protection
- Turret protection
- Chuck safeguard
- Full length splash guard
- T0AE quick change tool post
- Working lamp LED
- Quick locking tailstock carriage
- Cooling system
- Clutch on turning bar
- Wagon gears in oil bath



T940/230VI
GEAR HEAD LATHE WITH INVERTER

Semi norton gear box. Turning bar with adjustable clutch and rotation speed display.



- 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	320 mm
Max swing over the cross slide	180 mm
Tool height	16 mm
Distance between centers	940 mm
Spindle bore taper MT	5
Spindle bore	38 mm
Spindle nose Camlock	Camlock D1-4
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
Motor	230 V 50/60 Hz 1.5 kW
Dimensions	1770 x 1400 x 670 mm
Net weight	525 kg

INCLUDED ACCESSORIES

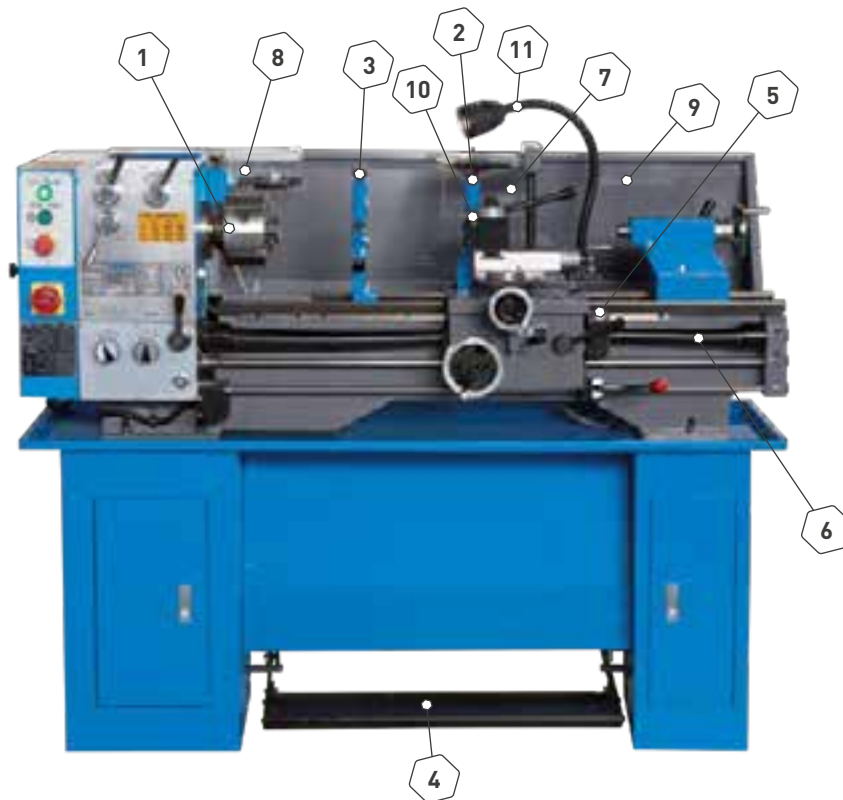
- 3+3 jaw self centering chuck Ø 160 mm
- 4 Reversible independent jaws chuck Ø 200 mm
- Reduction sleeve MT 5/3
- Face plate Ø 240 mm
- Face plate Ø 200 mm
- Follow rest
- Steady rest
- Dead center MT 3
- Dead center MT 5
- Live center MT 3
- Foot brake
- Thread dial
- Leadscrew hood
- Turret protection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



T940/230V

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
Tool height	16 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
Dimensions	600 x 1600 x 1270 h mm
Net weight	520 kg

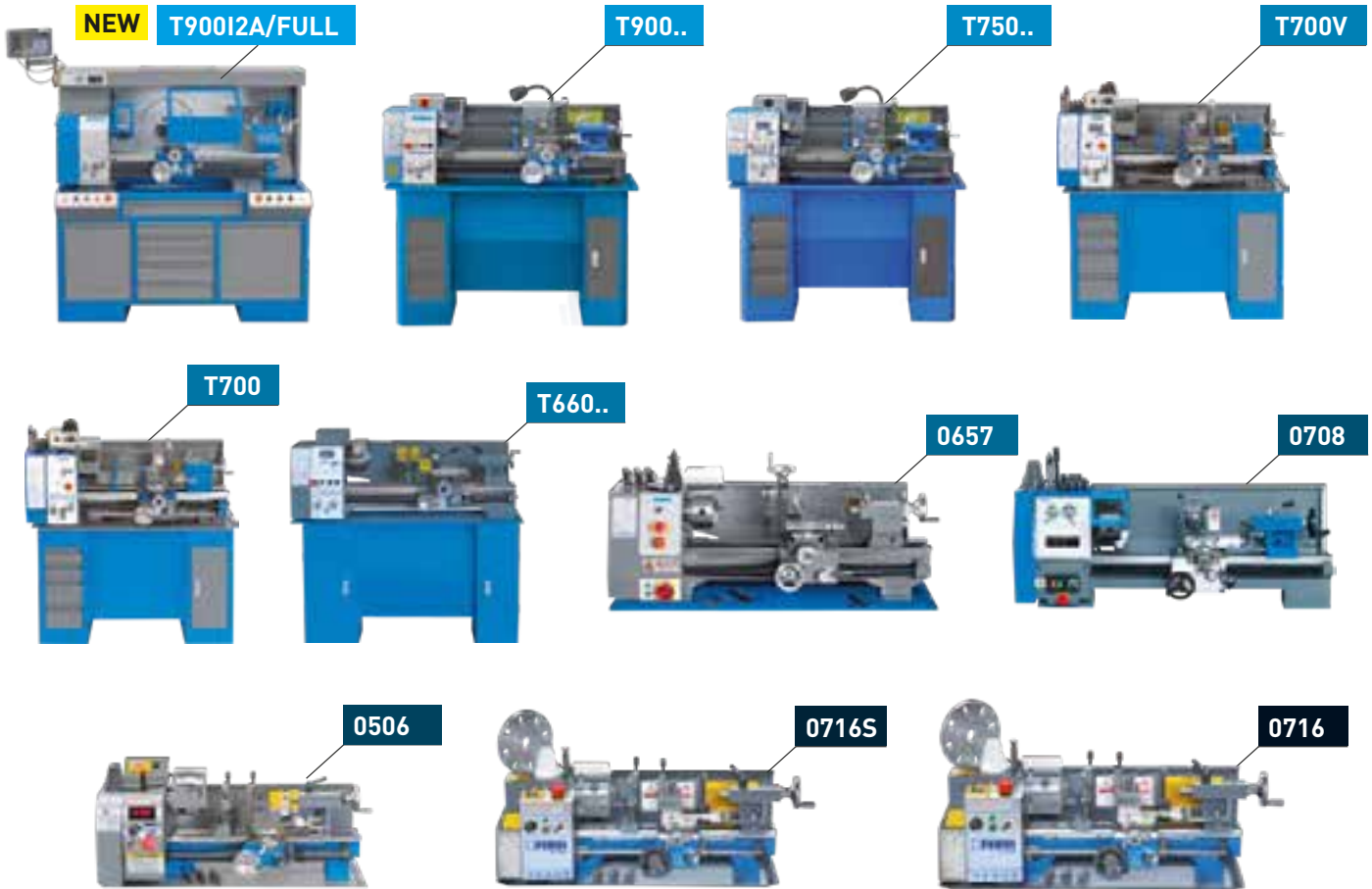
INCLUDED ACCESSORIES

- 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

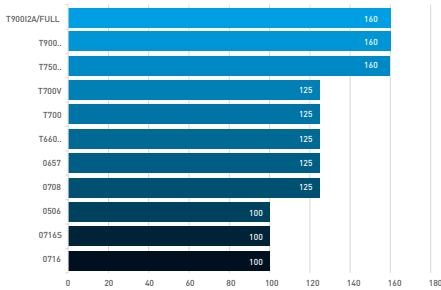
- Foot brake
- Thread dial
- Leadscrew hood
- Turret protection
- Chuck safeguard
- Full length splash guard
- TOAE quick change tool post
- LED Working lamp
- Quick locking tailstock carriage
- Wagon gears in oil bath



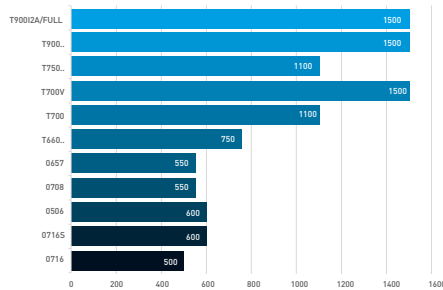
LATHES



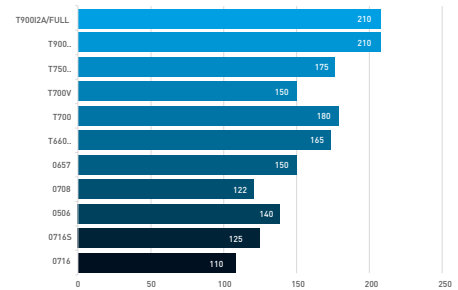
Spindle diameter (mm)



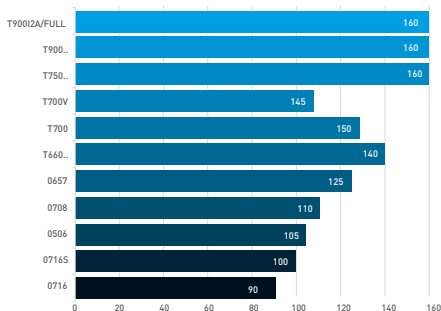
Power (W)



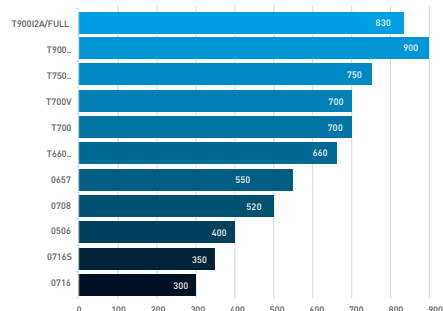
Max swing over the cross slide (mm)



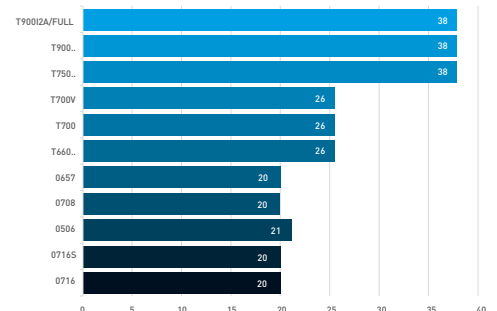
Centers height (mm)



Distance between centers (mm)



Spindle bore (mm)

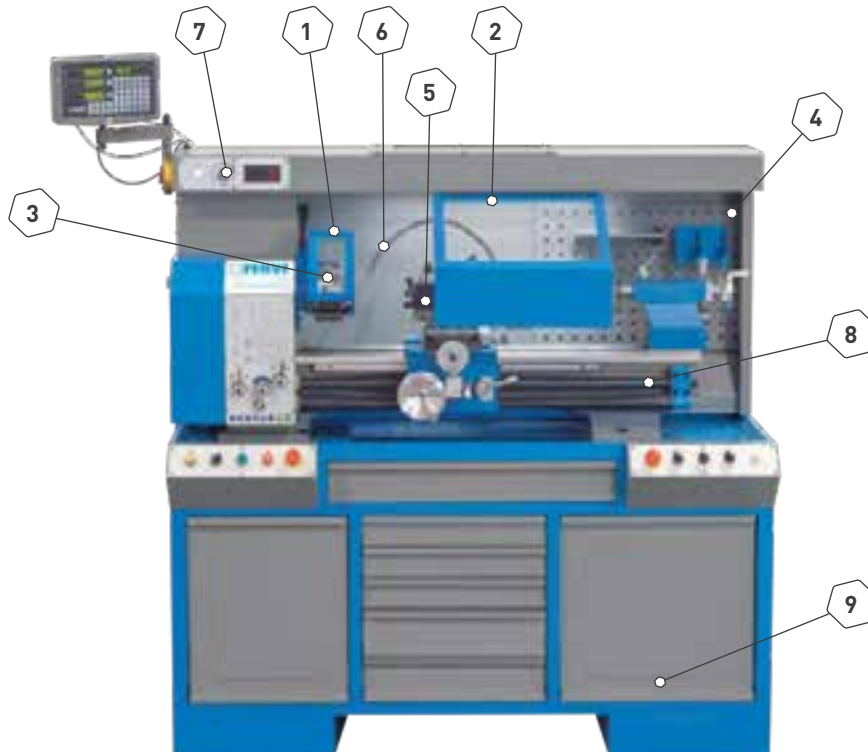


T90012A/FULL

NEW

GEAR HEAD LATHE WITH INVERTER AND READOUT

Bench lathe semi norton gear box and belt drive, longitudinal and cross feeds, turning, leadscrew, bench with drawers, cabinet and complete with accessories already included. Turning bar with adjustable clutch.



- 1 Chuck safeguard
- 2 Toolpost safeguard
- 3 Self centering chuck 3+3 Ø160mm
- 4 Full length splash guard
- 5 Tool post TOAE

- 6 Cooling system
- 7 Potentiometer
- 8 Leadscrew hood
- 9 Coolant pump seat

Centers height	160 mm
Max swing over the bed	320 mm
Max swing over the cross slide	210 mm
Tool height	20 mm
Distance between centers	830 mm
Spindle bore	38 mm
Spindle nose Camlock	Camlock D1-4
Spindle bore taper MT	5
Variable spindle speed	60 ÷ 1600 rpm
Longitudinal feeds	0,085 ÷ 0,832 mm / giro
Cross feeds	0,01 ÷ 0,10 mm/giro
Metric threads	(18) 0,2 ÷ 3,5 mm
Inch threads	(21) 8 ÷ 48 TPI
Tailstock taper MT	3
Motor	230 V 50/60 Hz 1,5 kW
Dimensions	1550 x 660 x 1790 mm
Net weight	500 kg

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
- Live center MT 3
- Keyless chuck with MT 3 connection
- Clutch on turning bar
- Selector negative electro-brake
- Leadscrew hood
- Slidable turret safeguard
- Chuck safeguard with micro switch
- Full length splash guard
- Quick change tool post TOAE
- LED light
- Quick locking tailstock carriage
- Refrigeration system with pump in sliding drawer
- Drawers with sponge and accessories included
- Set 7 Pcs tools 20 mm with turning inserts



T9001

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 TOAE
- LED light
- Quick locking tailstock carriage 75 mm
- Wagon gears in oil bath

Centers height	160 mm
Max swing over the bed	320 mm
Max swing over the cross slide	210 mm
Tool height	16 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
Motor	230V 50/60 Hz 1.5 kW
Dimensions	1600 x 750 x 1300 mm
Net weight	360 kg



T900

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 TOAE
- LED light
- Quick locking tailstock carriage 75 mm
- Wagon gears in oil bath

Centers height	160 mm
Max swing over the bed	320 mm
Max swing over the cross slide	210 mm
Tool height	16 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
Motor	230 V 50 Hz 1,5 kW
Dimensions	1600 x 750 x 1300 mm
Net weight	330 kg



T750I

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	160 mm
Max swing over the bed	290 mm
Max swing over the cross slide	175 mm
Tool height	20 mm
Distance between centers	750 mm
Spindle bore	38 mm
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
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

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	160 mm
Max swing over the bed	290 mm
Max swing over the cross slide	175 mm
Tool height	20 mm
Distance between centers	750 mm
Spindle bore	38 mm
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
Motor	230 V 50 Hz 1,5 kW
Dimensions	1450 x 720 x 1280 mm
Net weight	310 kg



T700V

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
- Saddle gears in oil

Centers height	145 mm
Max swing over the bed	290 mm
Max swing over the cross slide	150 mm
Tool height	12 mm
Distance between centers	700 mm
Spindle bore	26 mm
Spindle bore taper MT	4
Variable spindle speed	50 ÷ 1000 rpm 1110 ÷ 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 ÷ 48 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

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
Tool height	12 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
BENCH LATHE WITH VARIABLE SPEED INVERTER

Semi norton gear box, partially assembled bench.

INCLUDED ACCESSORIES

- 3+3 self centering chuck \varnothing 125 mm
- 4 Reversible independent jaw chuck \varnothing 160 mm
- Face plate \varnothing 200 mm
- Flange for 4-jaw chuck \varnothing 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
Tool height	14 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
BENCH LATHE

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

INCLUDED ACCESSORIES

- 3+3 self centering chuck \varnothing 125 mm
- 4 Reversible independent jaw chuck \varnothing 160 mm
- Face plate \varnothing 200 mm
- Flange for 4-jaw chuck \varnothing 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
Tool height	14 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

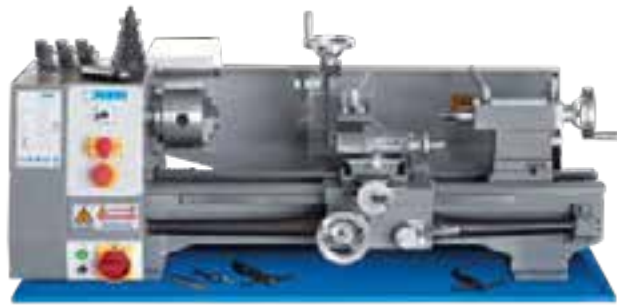


0657
BENCH LATHE

With mill table device, belt speed change

INCLUDED ACCESSORIES

- 3+3 self centering chuck \varnothing 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
Tool height	12 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
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 \varnothing 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
Tool height	12 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
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 \varnothing 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
Tool height	10 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
MINI LATHE

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

INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck \varnothing 100 mm
- Flange \varnothing 160 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
Tool height	10 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 60 Hz 0,6 kW
Dimensions	750 x 245 x 290 h mm
Net weight	46 kg


0716
MINI LATHE

With automatic longitudinal feeds and variable speed shown on digital display.

INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck \varnothing 100 mm
- Flange \varnothing 160 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
Tool height	10 mm
Distance between centers	300 mm
Spindle bore	20 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 60 Hz 0,5 kW
Dimensions	730 x 290 x 280 h mm
Net weight	40 kg


0657/B
UNIVERSAL BENCH LATHE STAND

Not assembled bench lathe stand. Adjustable in three positions. In the case of special dimensions, it is possible to drill the plate. Provided with 2 small doors and 2 shelves. Suitable for lathes

UPGRADE


Dimensions	90 ÷ 91.5 105 ÷ 106.5 118.5 ÷ 119.5 x 433 x 720h mm
Net weight	37,5 kg

0710
BENCH LATHE STAND

Partially assembled bench lathe stand.



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

0716/B
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	535 x 70 mm
Internal shelf height	300 mm
Net weight	23.50 kg

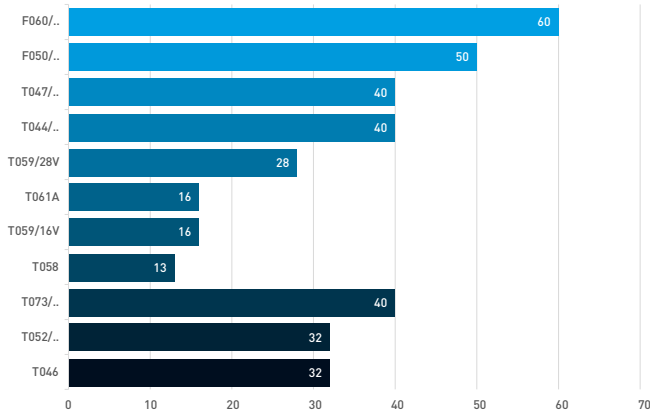
DRILLING MILLING MACHINES

F060/..**F050/..****T047/..****T044/..****T059/28V****T061A****T059/16V****T058****T073****T052/..****T046**

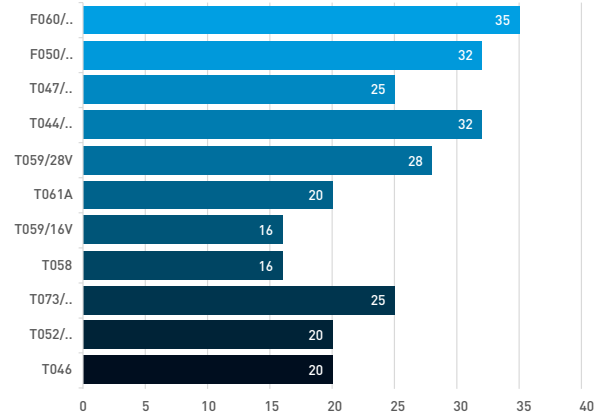


DRILLING MILLING MACHINES

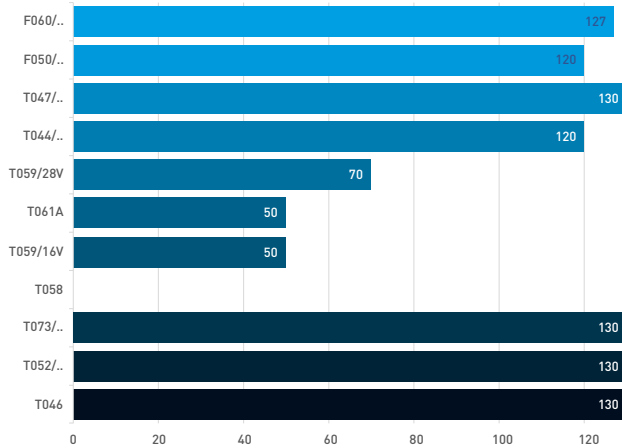
Max drilling capacity (mm)



End milling cutter max (mm)



Spindle travel (mm)



Junction

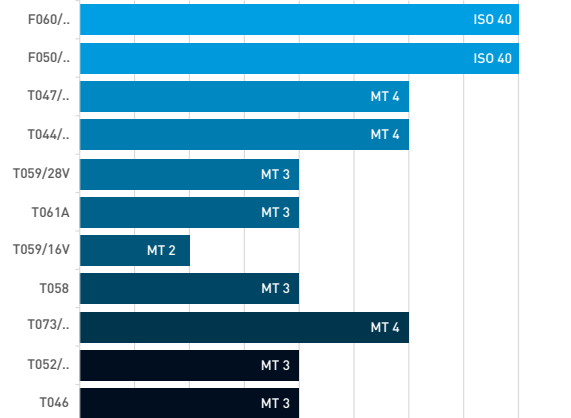
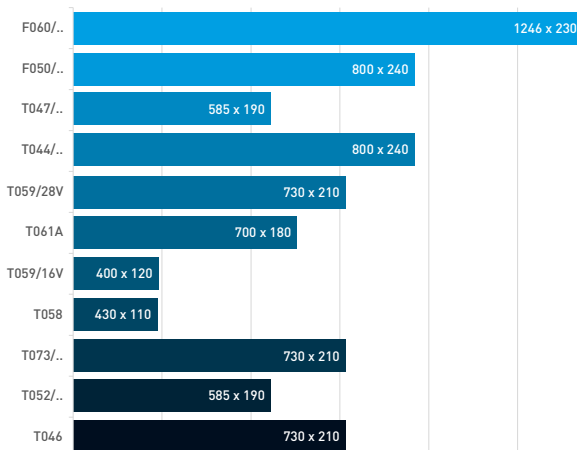
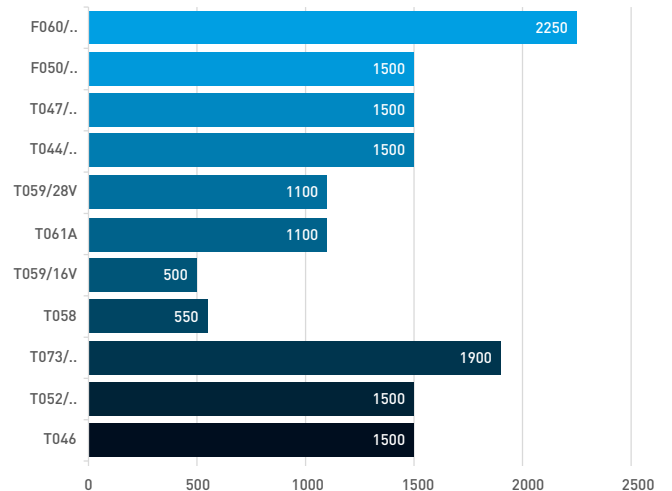


Table dimensions (mm)



Power (W)



F060I
INVERTER VERTICAL MILLING MACHINE

ISO 40, with automatic down feed, motorized cross table on all axes, 3 axis readout 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	(X,Y) 400V 50 Hz 180 W (Z) 400V 50 Hz 100W
Cooling pump	400V 50 Hz 90 W
Feed range	(3) 0.04 - 0.08 - 0.15 mm/rev
Surface speed	(X,Y) 42 - 76 - 164 - 262 mm/min (Z) 0 ÷ 457 mm/min
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
Maximum capacity	400 kg
Dimensions	1680 x 1500 x 2100 h mm
Net weight	1000 kg



F060V
VERTICAL MILLING MACHINE WITH MECHANICAL SPEED VARIATOR

Variable speed, ISO 40, with automatic down feed, motorized cross table on all axes, 3 axis readout.

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	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°
Vertical spindle speeds	(2) 60 ÷ 500 500 ÷ 3600 rpm
Motor	400 V 50 Hz 2.25 kW
Table movement motor	(X,Y) 400V 50 Hz 180 W (Z) 400V 50 Hz 100W
Cooling pump	400V 50 Hz 90 W
Feed range	(3) 0.04 - 0.08 - 0.15 mm/rev
Surface speed	(X,Y) 42 - 76 - 164 - 262 mm/min (Z) 0 ÷ 457 mm/min
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
Maximum capacity	400 kg
Dimensions	1680 x 1500 x 2100 h mm
Net weight	1000 kg




F060
VERTICAL MILLING MACHINE

ISO40, with automatic down feed, motorized cross table on all axes, 3 axis readout, 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 holes(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°
Vertical spindle speeds	[16] 80 ÷ 650 660 ÷ 5440 rpm
Motor	400 V 50 Hz 2,25 kW
Table movement motor	[X,Y] 400V 50 Hz 180 W [Z] 400V 50 Hz 100W
Cooling pump	400V 50 Hz 90 W
Feed range	[3] 0.04 - 0.08 - 0.15 mm/rev
Surface speed	[X,Y] 42 - 76 - 164 - 262 mm/min [Z] 0 ÷ 457 mm/min
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
Maximum capacity	400 kg
Dimensions	1680 x 1500 x 2100 h mm
Net weight	1000 kg


UPGRADE

F050U
UNIVERSAL MILLING MACHINE

Vertical and horizontal milling machine, ISO 40, motorized one axis cross table, 3 axis readout. 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 160 mm
- ISO40 ER32 8 Pcs Collet Chuck Set
- Reduction Sleeve ISO40 MT 3
- Key Type Drill Chuck 3-16 mm 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
Maximum capacity	300 kg
Dimensions	1380 x 1200 x 2100 h mm
Net weight	930 kg



F050I
INVERTER MILLING MACHINE

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

INCLUDED ACCESSORIES

- Base with chip tray
- Coolant system
- LED Lamp
- 3 Axis DRO
- Machine vise 160 mm
- ISO40 ER32 8Pcs Collet Chuck Set
- Reduction Sleeve ISO40 MT3
- Key Type Drill Chuck 3-16 mm/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	16 mm
Maximum capacity	300 kg
Dimensions	1380 x 1200 x 2100
Net weight	930 kg


F050
MILLING MACHINE

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

INCLUDED ACCESSORIES

- Base with chip tray
- Coolant system
- LED Lamp
- 3 Axis DRO
- Machine vise 160 mm
- ISO40 ER32 8Pcs Collet Chuck Set
- Reduction Sleeve ISO40 MT3
- Key Type Drill Chuck 3-16 mm/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
Maximum capacity	300 kg
Dimensions	1380 x 1200 x 2100
Net weight	930 kg



F050B
NEW
MILLING MACHINE

Vertical milling, ISO 40, motorized variable one axis cross table

INCLUDED ACCESSORIES

- Base with chip tray
- Coolant system
- LED Lamp
- ISO40 ER32 8Pcs Collet Chuck Set
- Reduction Sleeve ISO40 MT3
- Key Type Drill Chuck 3-16 mm/B18
- Drill Arbor ISO40 B18
- Draw Bar M16 ISO40 2 Pcs
- Variable speed motorized axis with rapid function
- 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	110V 50Hz 300W
Base dimensions	510 x 900 mm
Cooling pump	400 V 50 Hz 40W
Distance between spindle nose and table	45 - 395 mm
Distance spindle axis - column surface	215 - 450 mm
Table dimensions	800 x 240 mm
Longitudinal axis	380 mm
Cross axis	220 mm
Slot	14 mm
Maximum capacity	400 Kg
Dimensions	1680 x 1500 x 2100 h mm
Net weight	1000 Kg


T047/400VDA
GEARED MILLING DRILLING MACHINE

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

INCLUDED ACCESSORIES

- Self-locking chuck 1 ÷ 16 B16
- Keyed 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	MT 4
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
Table slots	12 mm
Longitudinal travel	360 mm
Cross travel	250 mm
Longitudinal axis	360 mm
Cross axis	250 mm
Base dimensions	648 x 412 mm
Base slot	14 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
GEARED MILLING DRILLING MACHINE

Reversible with coolant system and temporised tapping.

INCLUDED ACCESSORIES

- Self-locking chuck 1 ÷ 16 B16
- Keyed 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	MT 4
Spindle speed	(6) 75 ÷ 1600 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
Table slots	12 mm
Longitudinal axis	360 mm
Cross axis	250 mm
Base dimensions	648 x 412 mm
Base slot	14 mm
Motor	230 V 50 Hz 1,5 kW
Cooling pump	230v 50 Hz 0.4 KW
Dimensions	740 x 790 x 1960h mm
Net weight	355 kg


T044/230V & T044/400V
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	MT 4
Chuck sizes	1 - 13 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
Net weight	300 kg



T059/28V
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 holes(s235jr)	Ø 28 mm
Face milling cutter max	Ø 63 mm
End milling capacity	Ø 28 mm
Spindle taper	MT 3
Chuck sizes	3 - 16 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
GEARED DRILLING MILLING MACHINE

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

INCLUDED ACCESSORIES

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



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	MT 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	60 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 60 Hz 1,1 kW
Net weight	120 kg



T059/16V
GEARED DRILLING MILLING MACHINE

With variable speed.

INCLUDED ACCESSORIES

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



Max drilling capacity on steel with pre-drilling hole(≤235jr)	Ø 16 mm
Face milling cutter max	Ø 50 mm
End milling capacity	Ø 16 mm
Spindle taper	MT 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
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 hole(≤235jr)	Ø 13 mm
Face milling cutter max	Ø 30 mm
End milling capacity	Ø 16 mm
Spindle taper	MT 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
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	MT 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 75 W
Dimensions	850 x 1100 x 1900h mm
Net weight	420 kg


T073
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	MT 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 75 W
Dimensions	850 x 1100 x 1900h mm
Net weight	410 kg



T052/400VDA

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	MT 3
Chuck sizes	1 - 13 mm B16
Spindle speed	100 ÷ 2080 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

FLOOR DRILLING MILLING MACHINE

With rotation selection and drive belt.

INCLUDED ACCESSORIES

- Drill chuck with key 1 ÷ 13 B16
- Spindle drilled MT 3 B16
- 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	MT 3
Chuck sizes	1 - 13 mm B16
Spindle speed	100 ÷ 2080 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
DRILLING MILLING MACHINE

With rotation selection and drive belt.

INCLUDED ACCESSORIES

- Drill chuck with key 1 ÷ 13 B16
- Spindle drilled MT 3 B16
- Spindle taper shank MT 3 Ø 27 mm
- Reduction sleeve MT 3/2
- 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	MT 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


0599
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

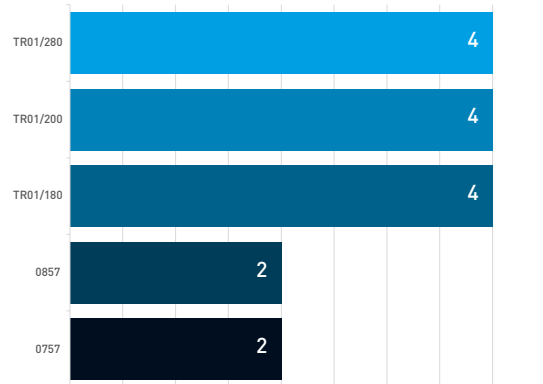
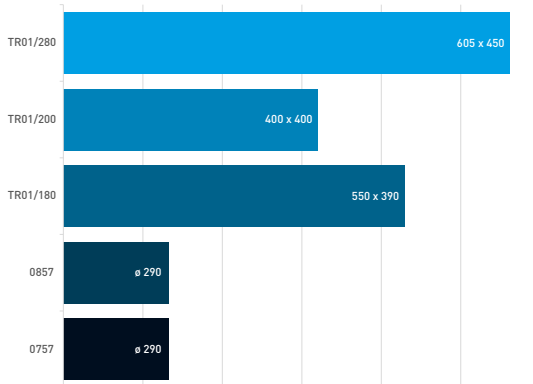


RADIAL DRILLING MACHINE



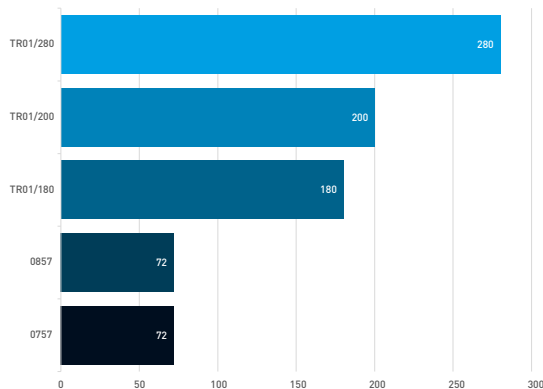
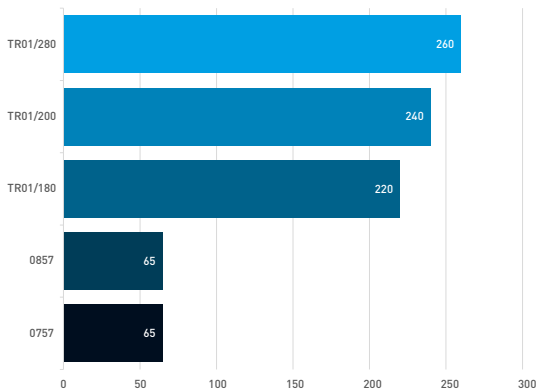
Table dimensions (mm)

MT



Spindle travel (mm)

Column diameter (mm)



TR01/280
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	
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 0,75 kW
Cooling pump	400 V 50 Hz 90 W
Dimensions	2050 x 820 x 2480 mm
Net weight	2100 kg



TR01/200
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 0,75 kW
Cooling pump	400 V 50 Hz 90 W
Dimensions	1760 x 770 x 2100h mm
Net weight	1250 kg



TR01/180

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
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 $\varnothing 16$ mm B16
- Chuck mount MT 2



Max drilling capacity on cast iron with pre-drilling hole	$\varnothing 20$ mm
Max drilling capacity on steel with pre-drilling hole(s235jr)	$\varnothing 16$ mm
Continuous drilling capacity	$\varnothing 12$ mm
Spindle taper	MT 2
Chuck sizes	1 - 16 mm B16
Spindle speed	(12) 300 ÷ 2550 rpm
Spindle travel	65 mm
Quill	$\varnothing 40$ mm
Column	$\varnothing 72$ 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	$\varnothing 290$ mm
Motor	230 V 50 Hz 0,375 kW
Dimensions	950 x 300 x 1600 mm
Net weight	60 kg


0757
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	$\varnothing 20$ mm
Max drilling capacity on steel with pre-drilling hole(s235jr)	$\varnothing 16$ mm
Continuous drilling capacity	$\varnothing 12$ mm
Spindle taper	MT 2
Chuck sizes	2 - $\varnothing 16$ mm
Spindle speed	(12) 300 ÷ 2550 rpm
Spindle travel	65 mm
Quill	$\varnothing 40$ mm
Column	$\varnothing 72$ 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	$\varnothing 290$ mm
Tilting table	$\pm 45^\circ$
Motor	230 V 50 Hz 0,375 kW
Dimensions	950 x 300 x 810h mm
Net weight	46 kg





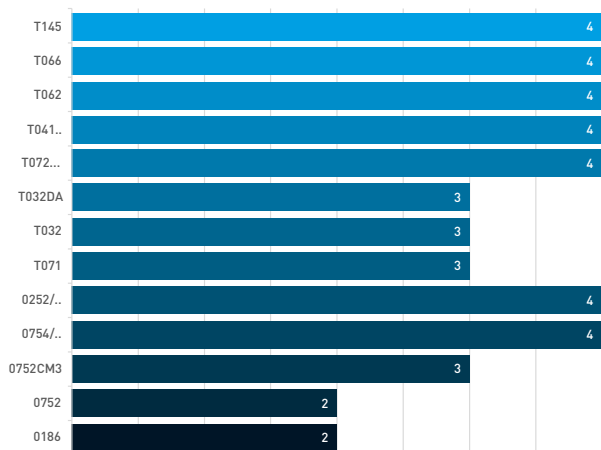
FLOOR DRILL PRESSES

T145**T066****T062****T041/..****T072...****T032DA****T032****T071****0252/...****0754/...****0752CM3****0752****0186**

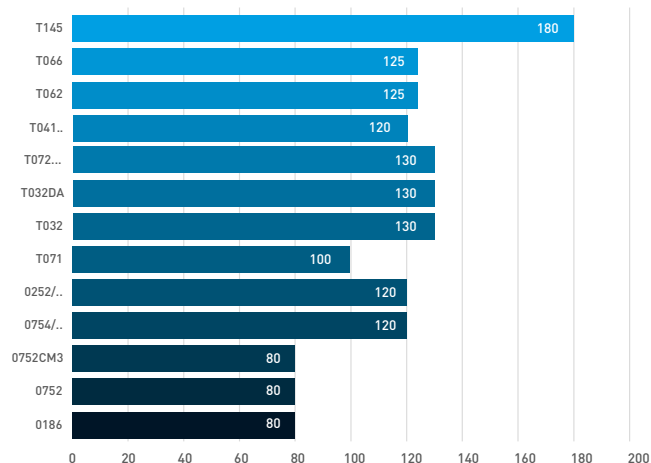


FLOOR DRILL PRESSES

MT



Spindle travel (mm)



Column diameter (mm)

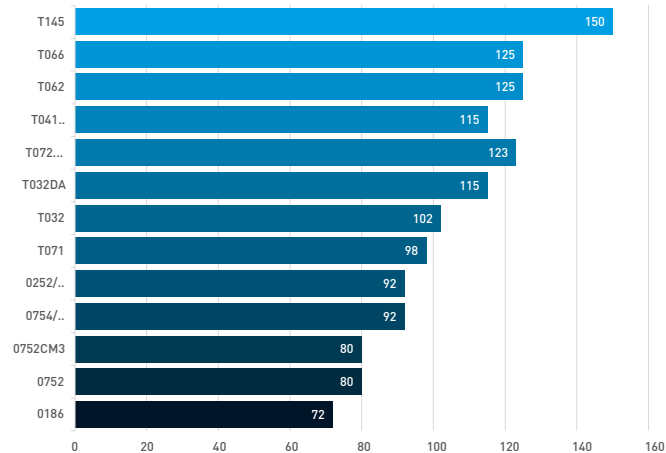
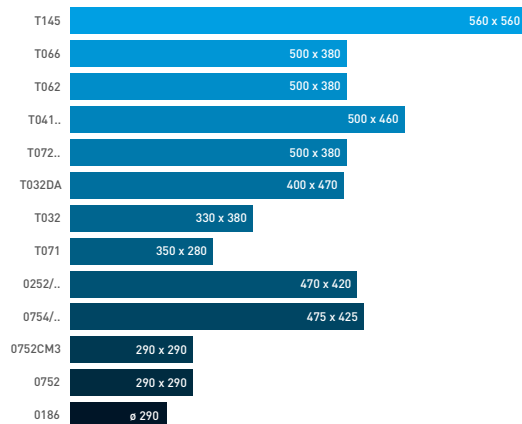


Table dimensions (mm)



T145
GEARED DRILLING MACHINE

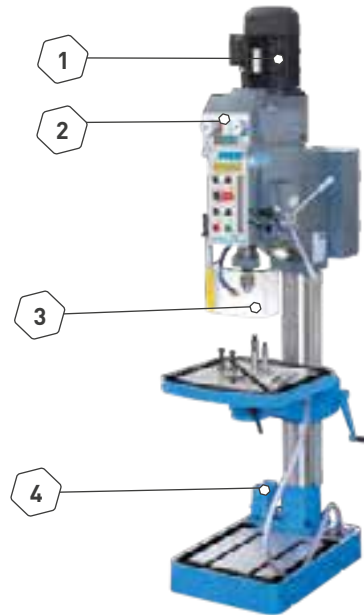
Reversible, with automatic feeding, coolant system and equipped with light, partially rotating table.

- 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 1,5 / 2,4 kW
Cooling pump	400 V 50 Hz 40 W
Dimensions	935 x 530 x 2280 mm
Net weight	550 kg


T066
GEARED DRILLING MACHINE

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

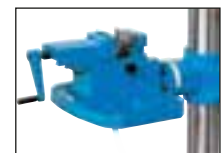
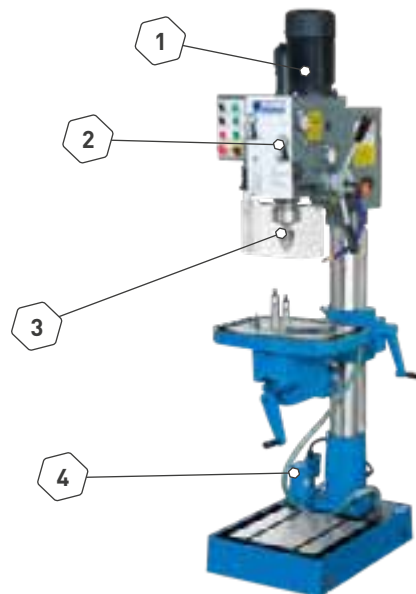
- 1** Induction motor
- 2** Gearbox levers
- 3** Chuck safeguard
- 4** Cooling pump

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 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
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 75 W
Dimensions	500 x 750 x 2000 mm
Net weight	400 kg



T062
GEARED DRILLING MACHINE

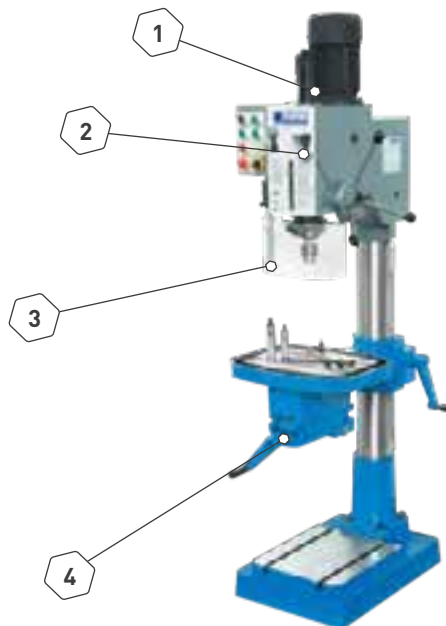
Reversible, table reversible with 145 mm vice, equipped with light.

- 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 holes(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
GEARED DRILLING MACHINE

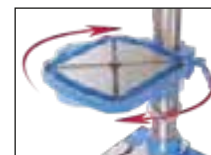
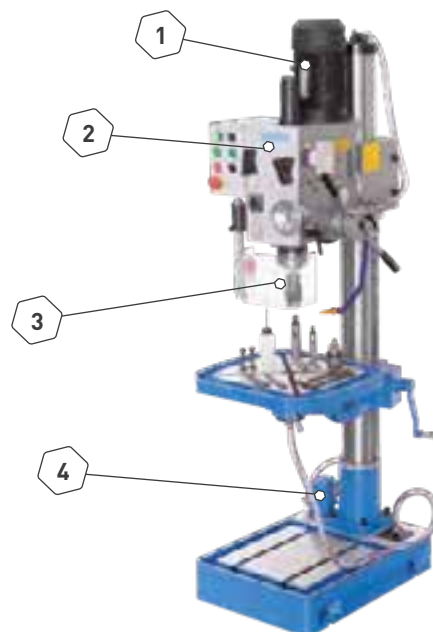
Reversible, tilting head, cooling system, timed tapping and automatic down feed, rotating table.

- 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 holes(s235jr)	Ø 35 mm
Continuous drilling capacity	Ø 30 mm
Tapping capacity	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
GEARED DRILLING MACHINE

Reversible, tilting head and timed tapping, partially rotating table

1 Induction motor

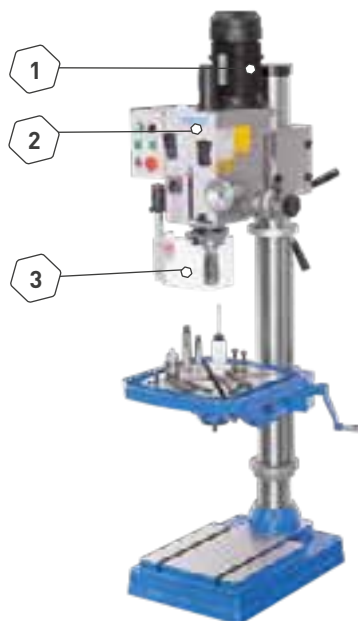
3 Included vice

2 Gearbox levers

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	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
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
FLOOR DRILLING MACHINE WITH DRIVE BELT

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

1 Induction motor

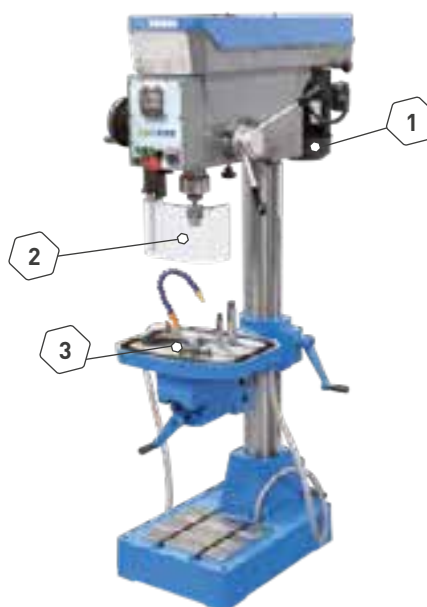
3 Tilting table with vice included

2 Chuck safeguard

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 75 W
Dimensions	700 x 1100 x 1900 mm
Net weight	385 kg



T072
FLOOR DRILLING MACHINE WITH BELT DRIVE

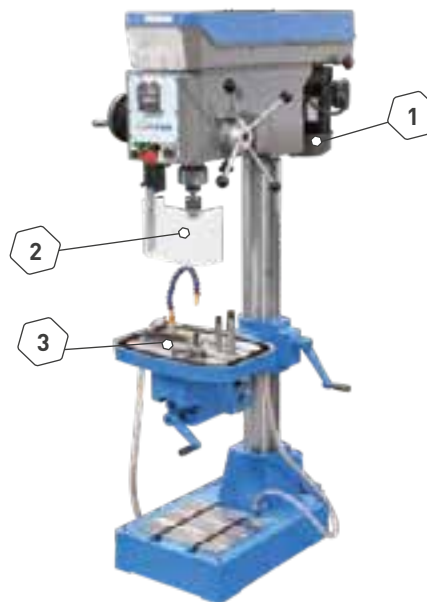
Reversible, table reversible with 140 mm vice, cooling system.

- 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	MT 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 75 W
Dimensions	700 x 1100 x 1900 mm
Net weight	375 kg


T032DA
FLOOR DRILL PRESS WITH DRIVE BELT

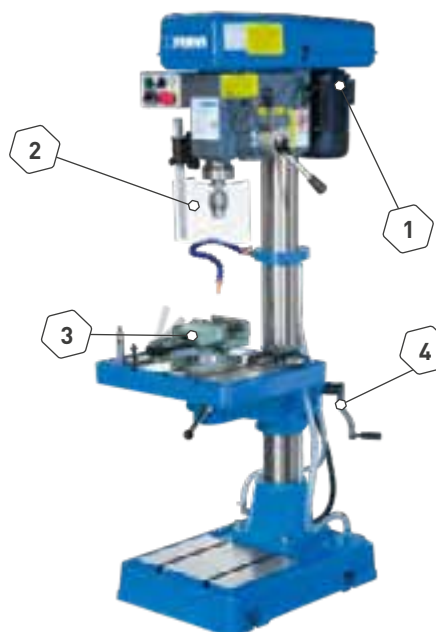
With autofee, coolant system, partially rotating table, with 125 mm vice.

- 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	340 kg



T032
FLOOR DRILL PRESS WITH DRIVE BELT

Partially rotating table, with 125 mm 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	280 kg


T071
FLOOR DRILLING MACHINE WITH DRIVE BELT

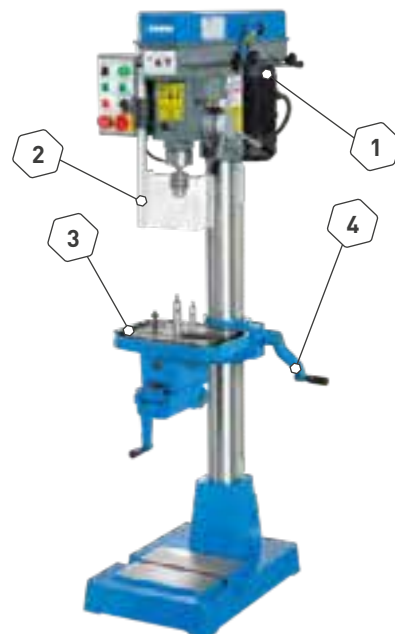
Reversible, with tapping function, reversible table with 120 mm vice.

- 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	MT 3
Chuck sizes	1 ÷ 16 mm B18
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
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 B18
- 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	MT 4
Chuck sizes	1 - 16 mm B18
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	460 x 425 mm
Distance between spindle nose and base	1220 mm
Slot	14 mm
Vice	210 x 165 mm
Motor	230 V 50 Hz 1,5 kW
Net weight	135 kg


0754/230V & 0754/400V
FLOOR DRILL PRESS WITH DRIVE BELT

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

- 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(s235jr)	Ø 28 mm
Continuous drilling capacity	Ø 20 mm
Spindle taper	MT 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	460 x 425 mm
Slot	14 mm
Tilting table	± 45°
Motor	230 V 50 Hz 1,5 kW
Net weight	125 kg



0752CM3
FLOOR DRILL PRESS WITH DRIVE BELT

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

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	MT 3
Chuck sizes	1 - 16 mm B18
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

0752
VERSION MT2 Ø 16 mm

0186
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	MT 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



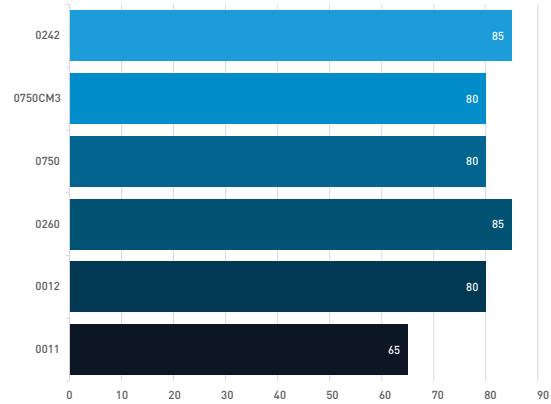


BENCH DRILL PRESSES



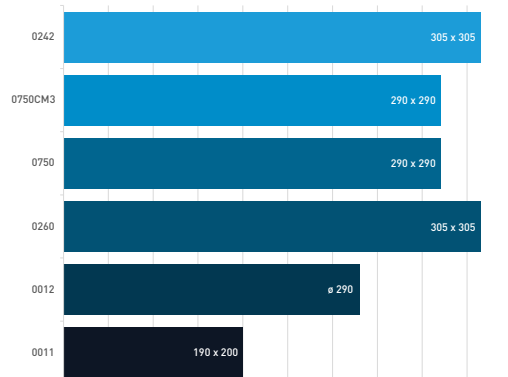
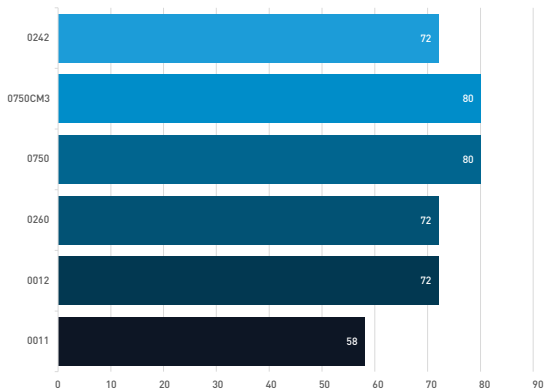
MT

Spindle travel (mm)



Column diameter (mm)

Table dimensions (mm)



0242
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	MT 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
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 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	MT 3
Chuck sizes	1 - 16 mm B18
Spindle speed	(16) 220 ÷ 2840 rpm
Spindle travel	80 mm
Quill	Ø 47 mm
Column	Ø 80 mm
Height	990 mm
Distance spindle axis - column surface	175 mm
Distance between spindle nose and table	420 mm
Distance between spindle nose and base	600 mm
Table dimensions	290 x 290 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
VERSION MT2 Ø 16 mm


0260
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 ÷ 13 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	MT 2
Chuck sizes	1 - 13 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	305 x 305 mm
Slot	16 mm
Tilting table	± 45°
Motor	230 V 50 Hz 0,55 kW
Net weight	50 kg


0012
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

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(s)235jr	Ø 10 mm
Chuck sizes	1 - 13 mm B16
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
MAGNETIC DRILL

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



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
MAGNETIC DRILL

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

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
MAGNETIC DRILL

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

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
MAGNETIC TAPPING/DRILL

With coolant system for core drills until 38 mm with weldon shank \varnothing 19.05 mm and conical drill bits until \varnothing 20 mm. Tapping capacity M4 - M16.

Continuous drilling capacity	\varnothing 20 mm
Spindle taper MT	2
Arbor	Weldon \varnothing 19,05 mm
Spindle travel	180 mm
Max working capacity	\varnothing 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
HORIZONTAL MAGNETIC DRILL

For core drills until 55 mm with weldon shank \varnothing 19.05 mm.

Arbor	Weldon \varnothing 19,05 mm
Spindle travel	55 mm
Max working capacity	\varnothing 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
MAGNETIC DRILL

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

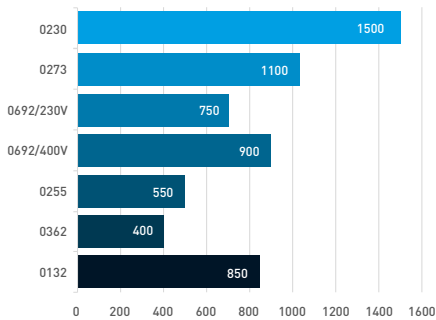
Continuous drilling capacity	\varnothing 20 mm
Spindle taper MT	3
Arbor	Weldon \varnothing 19,05 mm
Spindle travel	280 mm
Max. magnetic force	20000 N
Spindle speed	230 ÷ 770 rpm
Motor	230 V 50 Hz 1.8 kW
Base dimensions	215 x 110 mm
Dimensions	290 x 410 x 550h mm
Net weight	35 kg



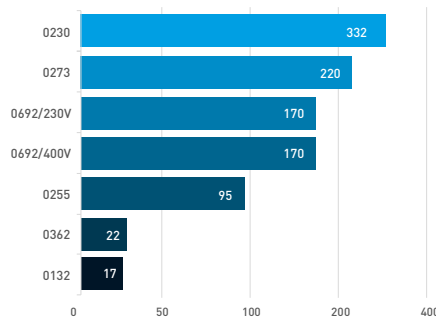
CUTTING BAND SAWS



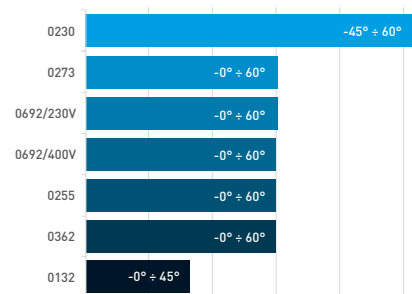
Power (kW)



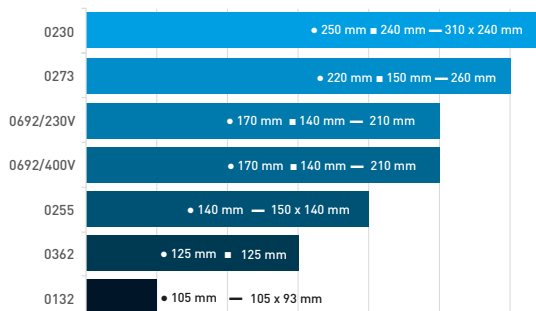
Net weight (Kg)



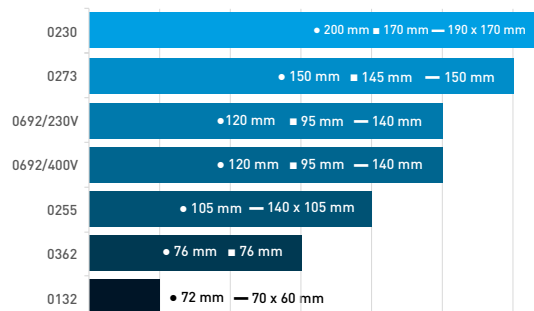
Cut range



Cutting depth at 90°



Cutting depth at 45°



0230

NEW

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	2715 x 27 x 0,9 mm
Motor	400V 50 Hz 0.75 / 1,5 kW
Cutting speed	36 - 72 m/min
Cut range	-45° ÷ 60°
Cutting depth at 90°	• 250 mm ■ 240 mm — 310 x 240 mm
Cutting depth at 45°	• 200 mm ■ 170 mm — 190 x 170 mm
Jaws	145 x 120h mm
Lateral stroke	380 mm
Vice opening	306 mm
Dimensions	1500 x 670 x 1520 mm
Net weight	332 Kg



0273

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
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
METAL BAND SAW

With coolant system, quick vice, base with cabinet tools.

INCLUDED ACCESSORIES

- Blade tension gauge
- Coolant pump
- Quick vice



Blade dimensions	1735 x 13 x 0,65 mm
Motor	230 V 50 Hz 0,55 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

ELECTRONIC CUTTING BAND SAW FOR BENCH

With inverter motor.



Blade dimensions	1435 x 12,7 x 0,65 mm
Motor	230 V 50 60 Hz 0,4 kW
Cutting speed	35 ÷ 80 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

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

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

ROLLER STAND



Roller shaft diameter	Ø 52 x 350 mm
Height	690 / 1200 mm
Maximum capacity	800 kg
Net weight	15 kg

R003/09
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	1000 x 460 mm	260 mm	Ø 60 x 360 mm M12	580 / 1030 mm	400 kg	23 kg
R001/07	2000 x 450 mm	250 mm	Ø 60 x 360 mm M12	590 / 1050 mm	400 kg	37 kg

0642
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**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**MULTI CUTTING POWER TOOLS SET**

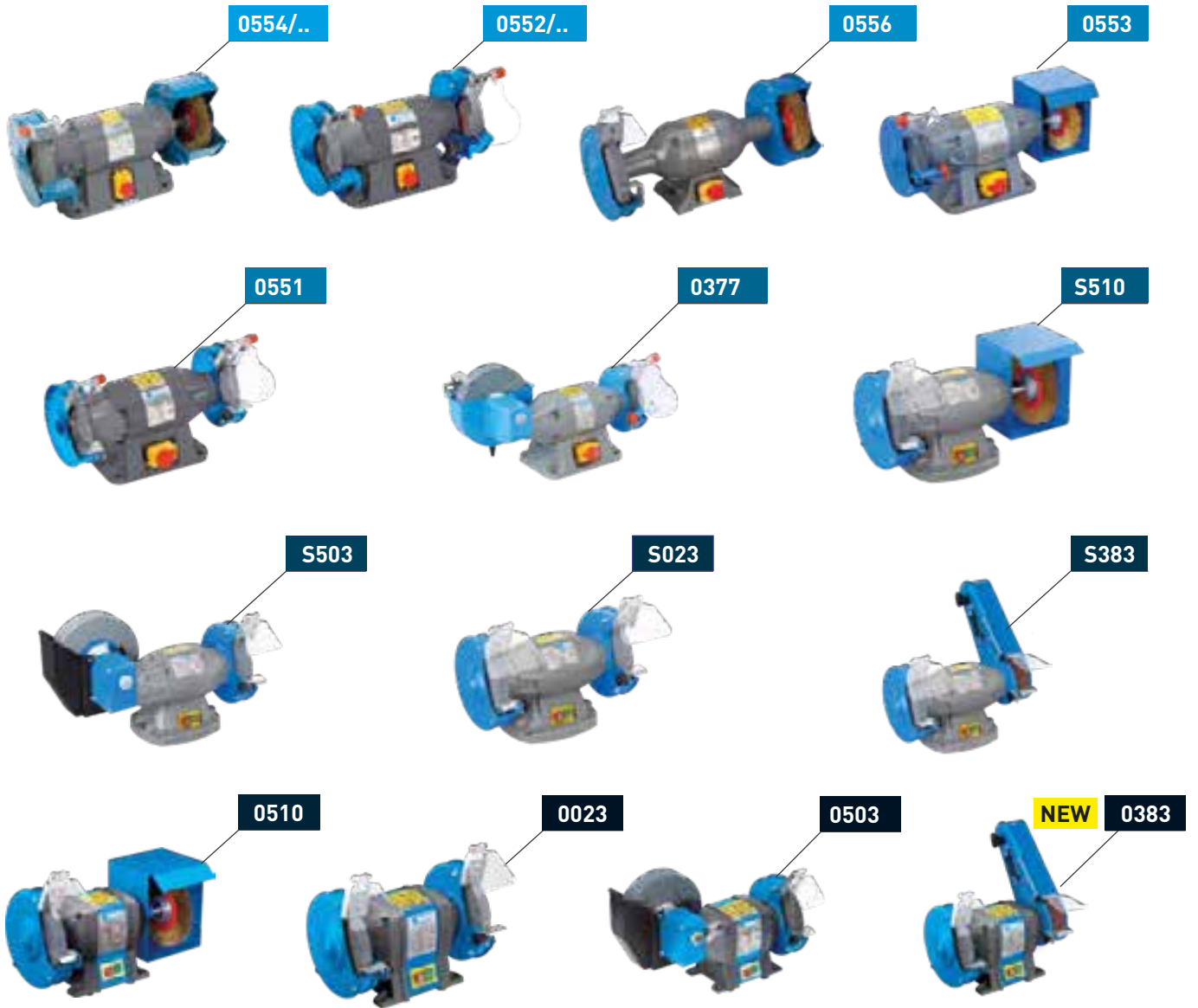
With adjustable stand and flexible shaft grinder.



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

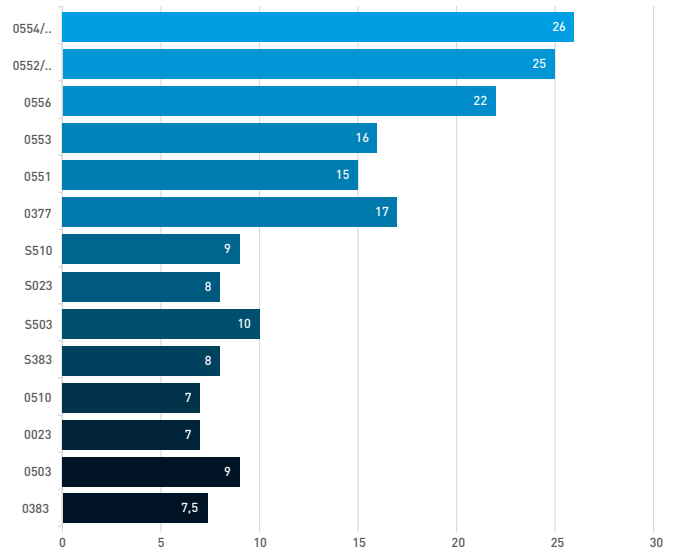
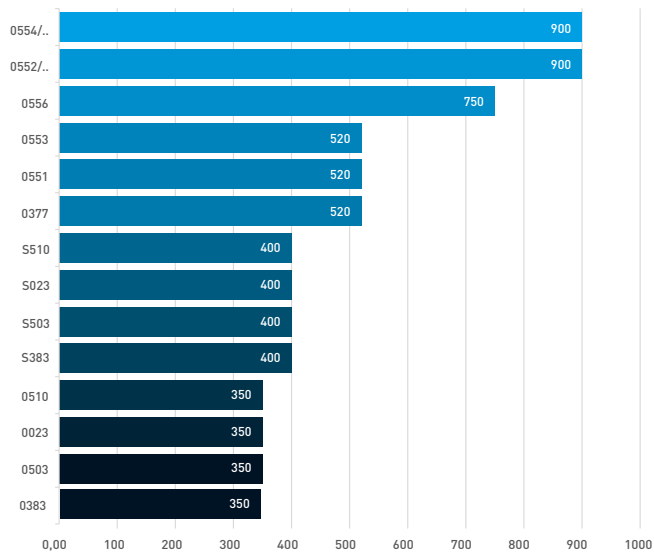


GRINDERS



Power (kW)

Weight (Kg)



0554 & 0554/400V

PROFESSIONAL COMBINED BENCH GRINDER

Grinding wheel guard. Workpiece support square.



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

PROFESSIONAL BENCH GRINDER

Grinding wheel guards. Workpiece support square.



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

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

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

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

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

S503
WET DRY BENCH GRINDER

With wet grinding wheel and dry grinding wheel.



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

S510
BENCH GRINDER WITH BRUSH

With brush and grinding wheel.



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

S023
BENCH GRINDER

With two grinding wheels of different grain.



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

S383
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
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
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	230 V 50 Hz 0,35 kW
Usage type	S2 - 10 min
Net weight	7 kg

0503

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

GRINDING WHEEL STAND



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

0316

POWER CHAINSAW SHARPENER

With chain feed lever. Grinding wheel protection screen.



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" - 3/25" - 3/8" - 4/4" - 3/4"
Motor	230 V 50 Hz 0,23 kW
Net weight	5 kg

0383

BENCH GRINDER WITH BELT

NEW



Dry grinding wheel	2950 rpm Ø150 X 20 X Ø12.7 mm GR36
Belt	50 x 686 mm GR100
Motor	230 V 50Hz 0,35kW
Usage type	S2 - 10 min
Net weight	7.5 kg

0106

GRINDING WHEEL STAND

Light duty.



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

0502

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
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.

A003/13A
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 ÷ 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



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

A0132A

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

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

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

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

A003/32CBN
CBN WHEEL

For HSS twist drills from 13.1 to 32 mm.



Dimensions 125 x 20 x 19 mm

A003/32SDC
SDC WHEEL

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



Dimensions 125 x 20 x 19 mm

A003/13ACBN
CBN WHEEL

For HSS twist drills from 3 to 13 mm.



Dimensions 78,50 x 10 x 12,7 mm

A003/13ASDC
SDC WHEEL

For hard metal twist drills from 3 to 13 mm.



Dimensions 78,50 x 10 x 12,7 mm

A013/26M
DIAMOND WHEEL

In CBN material for HSS twist drills.



Dimensions 85,3 x 22,8 x 25 mm

A0132A/MR
PINK GRINDING WHEEL

Thread m8, ø 40 x 38 mm inner ø 26 mm.


A0132A/MB
WHITE GRINDING WHEEL

Thread M8, ø 40 x 38 mm inner ø 26 mm.


0804/MD
DIAMOND WHEEL

125 x 10 x F32 x 8 mm.



Dimensions 125 x 10 x 8 x 32 mm

A059/M
GRINDER SET

A004/14CBN
CBN WHEEL

For HSS end mills from 4 to 14 mm.


A004/14SDC
SDC WHEEL

For hard metal end mills from 4 to 14 mm.


A004/20CBN
SET OF 2 CBN WHEELS

For HSS end mills from 4 to 20 mm.


A004/20SDC
SET OF 2 SDC WHEELS

For hard metal end mills from 4 to 20 mm.



0691/400V
TILTING BELT SANDER

The rubberized rollers and graphite support bearings provide an even torque throughout use and guarantee the belt's alignment, which can be corrected if necessary using the adjustment knob. The belt is easy to replace via the quick-change mechanism, avoiding unnecessary wasted time. The sander can be tilted quickly thanks to the quick-release lever, allowing you to carry out complex work in comfort.



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


0701
TILTING BELT SANDER

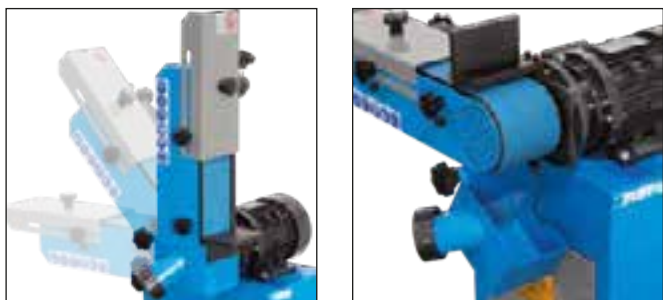
The rubberized rollers and graphite support bearings provide an even torque throughout use and guarantee the belt's alignment, which can be corrected if necessary using the adjustment knob. The belt is easy to replace via the quick-change mechanism, avoiding unnecessary wasted time. The sander can be tilted quickly thanks to the quick-release lever, allowing you to carry out complex work in comfort.



Belt dimensions	2000 x 150 mm GR80
Speed	(2) 15 / 30 mm/sec
Motor	400 V 50 Hz 1,8kW / 2,4kW
Dimensions	1000 x 540 x 610h mm
Net weight	84 Kg


NEW
0667/100
TILTING BELT SANDER

With bench, for horizontal and vertical operations

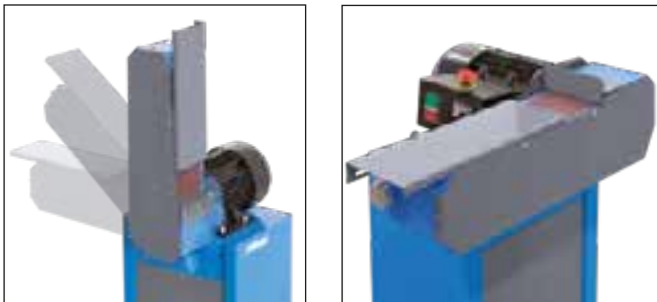


Belt dimensions	1000 x 100 mm
Speed	(2) 9 / 18 m/sec
Three-phase motor	400 V 50 Hz 1,8 - 1,3 kW
Dimensions	690 x 525 x 960h mm
Net weight	70 kg


NEW

0667/150
NEW
TILTING BELT SANDER

With bench, for horizontal and vertical operations



Belt dimensions	1500 x 120 mm
Speed	(2) 9 / 18 m/sec
Three-phase motor	400 V 50 Hz 0,85 / 1,1 kW
Dimensions	790 x 580 x 960h mm
Net weight	85 kg


0662
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 1000h mm
Motor	230 V 50 Hz 0,75 kW
Net weight	54 kg



0560

BENCH CHAMFERING MACHINE



SPUN13P
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

PORTABLE CHAMFERING MACHINE



SPUN13P
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

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

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

SHEAR PRESS BRAKE AND SLIP ROLL

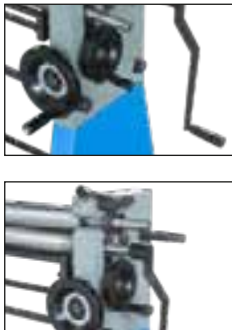
Versatile and strong machine, suitable for making prototypes.



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
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
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
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
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
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****BENDING MACHINE**

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

0483**MINI HAND BRAKE**

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



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

T034/105**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**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****BLADE SET****0773/05L****BLADE SET**

Art.	Dimensions	Base dimensions	Handle length	Blade length	Flat bar	Plate thicknesser	Round	Net weight
0773/05	290 x 120 x 240 mm	240 x 90 mm	410 mm	130 mm	38 x 3 mm	0,5 ÷ 3 mm	Ø 6 mm	10 kg
0773/10	420 x 120 x 390 mm	400 x 90 mm	800 mm	250 mm	70 x 3 mm	0,5 ÷ 3 mm	Ø 6 mm	19 kg

0892
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
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
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
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
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
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

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

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

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

HYDRAULIC PIPE 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

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 PIPE BENDER

0292



Art.	Sizes
0292	Ø 8 - 10 - 12 mm
0292/14	Ø 14 mm
0292/16	Ø 16 mm

0758
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
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
COPY DEVICE FOR WOOD LATHE


Distance between centers	1000 mm
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0648

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	MT 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	457 mm	125 mm	250 mm	230 V 50 Hz 0.37 kW	(5) 700 - 3000 rpm	1" - 8 TPI	MT 2	33 kg
0497/300	457 mm	150 mm	300 mm	230 V 50 Hz 0.55 kW	(5) 700 - 3000 rpm	1" - 8 TPI	MT 2	33 kg



0498
8 FUNCTIONS COMBINE MACHINE

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



Overall dimensions	1880 x 1500 x 1050 mm
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°


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


SLIDING CARRIAGE

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

SCORING BLADE

Blade dimensions	Ø 80 x 3,2 x 20 mm 8 Z
Blade speed	6300 rpm


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	4000 rpm


SPINDLE MOULDER

Arbor size	Ø 30 mm
Spindle travel	130 mm
Cutter arbor speed	1500 / 4000 / 6000 rpm


SANDING DRUM

Dimensions	Ø 100 x 100h mm
Spindle speed	1500 rpm



0499

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

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 - 50Hz - 1,5 kW
Net weight	155 kg



0517A

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
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
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
WESTCOTT CHUCK


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

M057/16
"WESTCOTT" CHUCK


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

0697
SET MAGNETIC QUICK PLANER KNIFE SETTING JIG


For planer blade with cutter arbor Ø 75 ÷ 125 mm

0499/C
KNIVES SET

For planer and thicknesser.



Sizes 310 x 30 x 3 mm

0749/C
SET OF KNIVES FOR PLANER

For thickness planer.



Sizes 250 x 30 x 3 mm

0517/59
KNIFE SET FOR THICKNESSER


Sizes 335 x 12 x 1.5 mm

0686/200C
SET OF KNIVES FOR PLANER

For thickness planer.



Sizes 210 x 22 x 2 mm

0559
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
SANDING DRUM

Abrasive belt not included


0504
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
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
PANEL SAW

Capacity 254 mm, 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
PANEL SAW

Capacity 315 mm, 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
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

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

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

PORTABLE UNIVERSAL MITRE SAW STAND

Foldable.

Working height	945 mm
Extension height	1030 - 1180 mm
Stand length	1360 mm
Extensions height operation length	1360 - 3040 mm
Clamp size	505 x 35 x 90 mm
Dimensions	1620 x 825 x 1075h mm
Capacity	220 kg
Net weight	17,5 kg



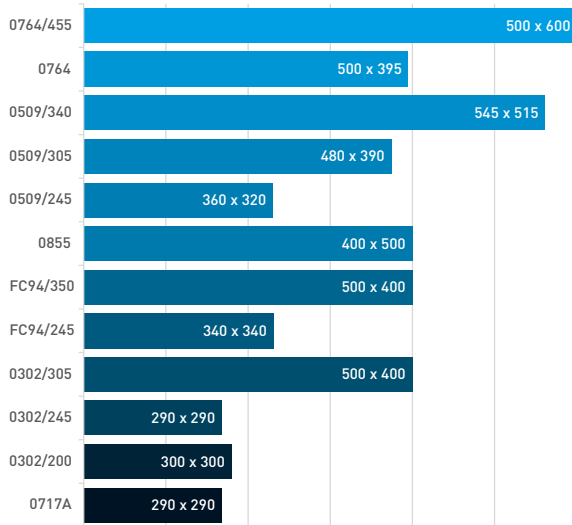
WOOD BAND SAW

0764/455**0764****0509/340****0509/305****0509/245****0855****FC94/350****FC94/245****0302/305****0302/245****0302/200****0717A**

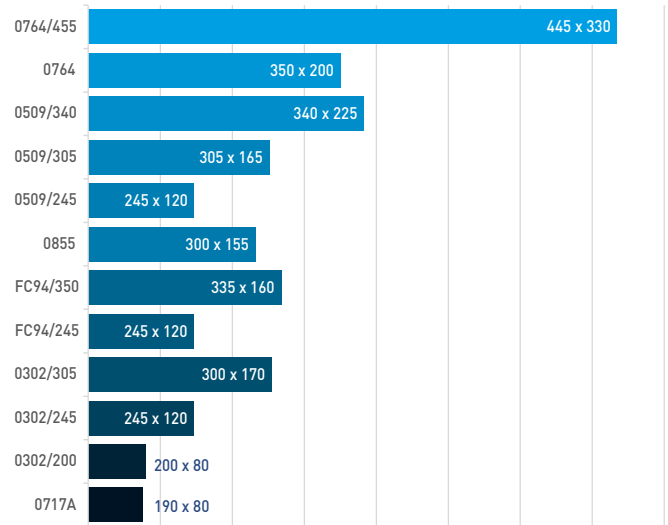


WOOD BAND SAW

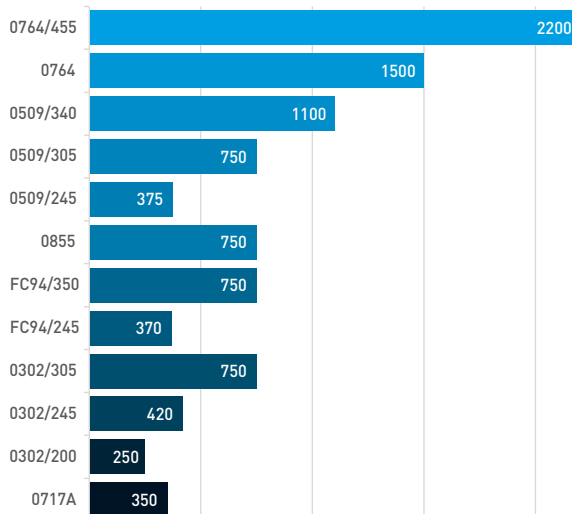
Table dimensions (mm)



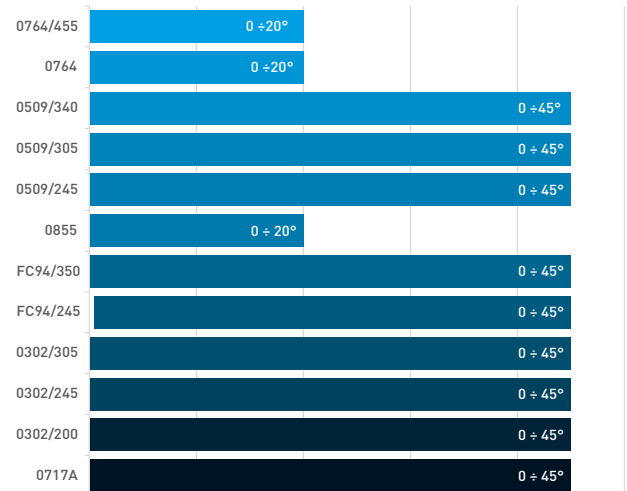
Cutting capacity (mm)



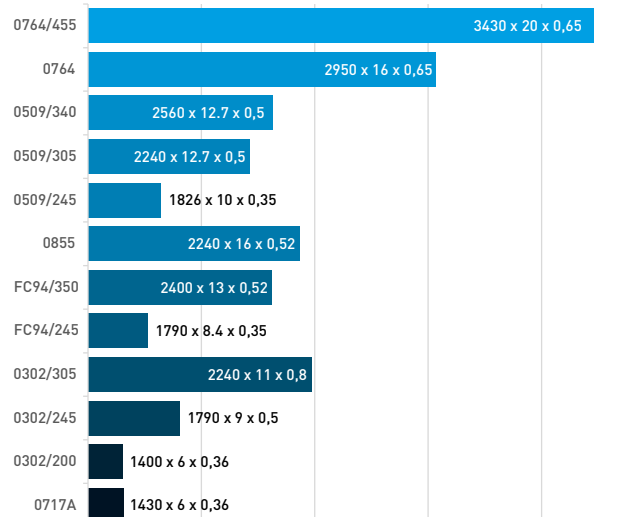
Power (W)



Tilting table



Blade dimensions



0764/455
WOOD BAND SAW

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



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
WOOD BAND SAW

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



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**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****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****WOOD BAND SAW**

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

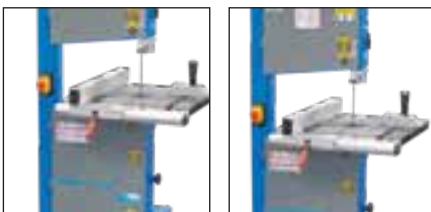


Saw wheel	Ø 254 mm
Cutting capacity	245 x 100 mm
Blade	1826 x 10 x 0.35 mm T6
Table dimensions	360 x 320 mm
Cutting speed	6.7 ÷ 13.3 m/s
Tilting table	0 ÷ 45°
Working height	925 mm
Motor	230V 50Hz 0.375kW
Dimensions	750 x 480 x 1420 mm
Net weight	37 kg

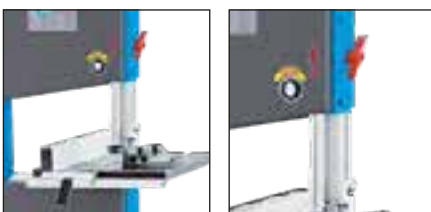


0855
WOOD BAND SAW


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
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
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****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	800 x 500 x 1580 h mm
Net weight	58 kg

0302/245**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**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**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
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. 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
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
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

TILTING BENCH BELT 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

0765

SCROLL SAW VARIABLE SPEED

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

0753/L

BLADES SET



0753/A

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

0144

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

BLADES SET



0753/A

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

0720

PRECISION MITRE SAW

With depth of cut adjustment, corner selection lever.

0720/L

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

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

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

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

DUST COLLECTOR

Partially assembled.



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

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

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

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
FILTER BAG



Dimensions \varnothing 510 mm x 855h mm

0759/S
PLASTIC BAG SET



10 Pcs



Dimensions \varnothing 510 mm x 855h mm

0756/F
FILTER BAG



Dimensions \varnothing 370 mm x 590h mm

0756/S
PLASTIC BAG SET



10 Pcs



Dimensions \varnothing 370 mm x 590h mm

0756/T
PLASTIC HOSE FITTING
With metal core.



Max length 2 m
Diameter 100 mm

0756/Y
Y FITTING



Diameter 100 mm

0507/Y
Y FITTING



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

0507/14
PLASTIC BAG SET



10 Pcs



Dimensions \varnothing 330 mm x 500h mm

0507/15
FILTER BAG



Dimensions \varnothing 320 mm x 590h mm

0507/07
PLASTIC HOSE FITTING
With metal core.



Length 2 m mm
Diameter 100 mm

0507/4R
FITTING WITH 4 DIAMETERS

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



Diameter 100 mm

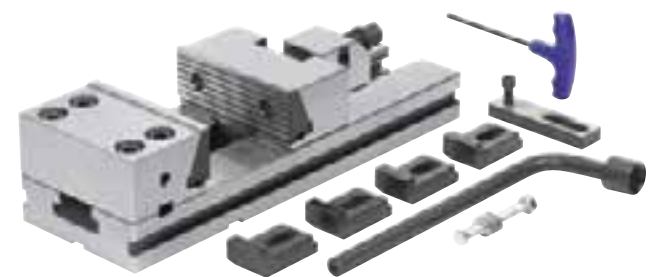
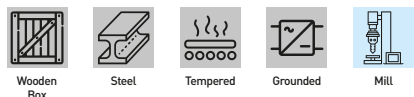
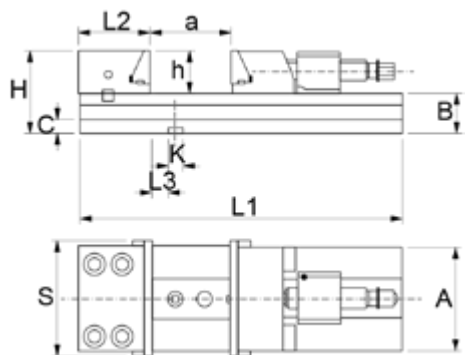
0495/24
FILTER BAG



Dimensions \varnothing 380 mm x 530h mm

M011-
HIGH PRECISION MODULAR VICE

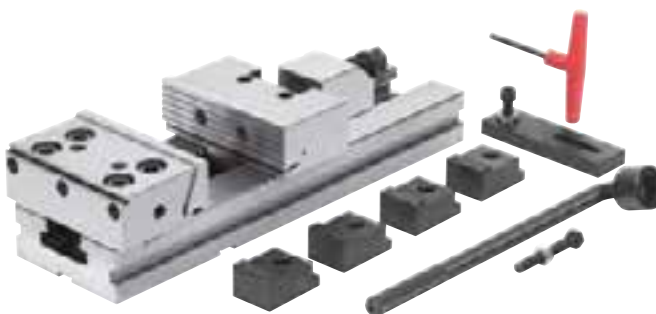
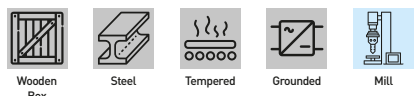
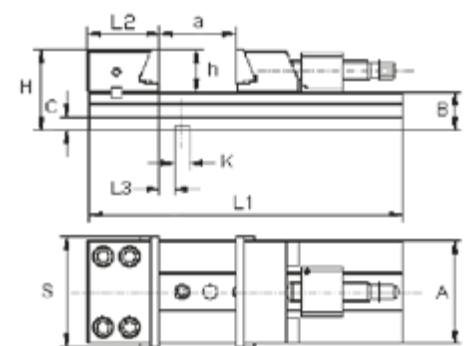
Suitable for jobs where precision, reliability, availability and secure locking are required. Suitable for precision milling and grinding work on both manual machines and CNC machining centers. Ground sliding surfaces. Equipped with prismatic descending jaws when tightening. With fasteners and adjustment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



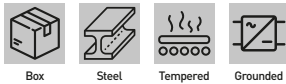
Art.	Jaw dimensions	S	A	B	C	H	L1	L2	L3	h	K h7	a	Net weight
M011/125/150	125 x 50h mm	125 mm	125 mm	40 mm	15 mm	90 mm	350 mm	80 mm	25,6 mm	50 mm	16 mm	150 mm	19 kg
M011/150/210	150 x 60h mm	150 mm	150 mm	50 mm	20 mm	110 mm	435 mm	93 mm	25,6 mm	60 mm	16 mm	210 mm	35 kg
M011/150/300	150 x 60h mm	150 mm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

M028-
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 0.02 mm and hardness 57-62 HRC.



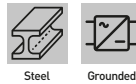
Art.	Jaw dimensions	S	A	B	C	H	L1	L2	L3	h	K h7	a	Net weight
M028/100/100	100 x 30h mm	100 mm	75 mm	35 mm	15 mm	65 mm	270 mm	77,9 mm	25,6 mm	30 mm	16 mm	100 mm	7 kg
M028/125/150	125 x 40h mm	125 mm	95 mm	40 mm	15 mm	80 mm	345 mm	77,9 mm	25,6 mm	40 mm	16 mm	150 mm	13 kg
M028/150/200	150 x 50h mm	150 mm	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	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	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	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	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	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	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	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	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	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	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
SPARE PART JAWS


Art.	Description	Jaw dimensions
M011/125GP	Prismatic jaw	125 x 40h mm
M011/125GR	Pair of striped jaws	125 x 40h mm
M011/150GP	Prismatic jaw	150 x 45h mm
M011/150GR	Pair of striped jaws	150 x 45h mm


M028-xG
SPARE PRISMATIC JAWS

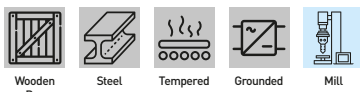

Art.	Dimensions
M028/100GP	100 x 24,5h mm
M028M029/125GP	125 x 32h mm
M028M029/150GP	150 x 40h mm
M028/175GP	175 x 43h mm
M028/200GP	200 x 53h mm

M028-xGR
SPARE RIBBED JAWS


Art.	Jaw dimensions
M028/100GR	100 x 30h mm
M028/125GR	125 x 40h mm
M028/150GR	150 x 50h mm
M028/175GR	175 x 60h mm
M028/200GR	200 x 65h mm

M061
ANGLE PRECISION VICE

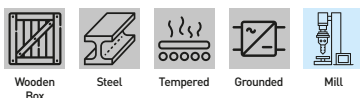
With screw closure, sine-bar with longitudinal opening. Couplings ground with high precision. Accuracy indicated on parallelism and quadrature. Ideal for grinding, EDM, milling and measuring systems.



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-
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.

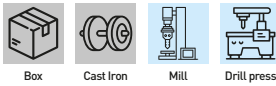
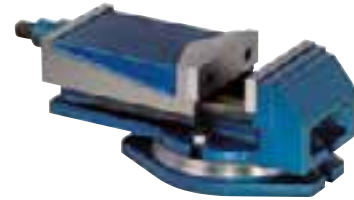


Art.	Dimensions	Opening	Jaw height	Accuracy
M012/038	38 x 105 x 45h mm	44 mm	25 mm	0,005 mm
M012/050	50 x 140 x 50h mm	65 mm	25 mm	0,005 mm
M012/080	73 x 190 x 67h mm	110 mm	35 mm	0,005 mm
M012/100	100 x 245 x 90h mm	125 mm	45 mm	0,005 mm



M023-
MILLING MACHINE VICE WITH 360° SWIVEL BASE

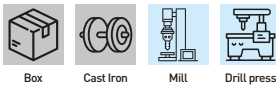
With interchangeable jaws in hardened and ground steel. Sliding parts ground. Fully covered screw. With crank.



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

M014-
MILLING MACHINE VICE WITH 360° SWIVEL BASE

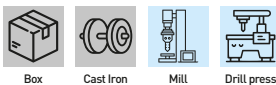
With interchangeable jaws in hardened and ground steel. Sliding parts ground. Fully covered screw. With crank.



Art.	Jaws	Opening	Dimensions	Base dimensions	Slot distance	Slot	Net weight
M014/080	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	100 x 35 mm	75 mm	242 x 129 x 106h mm	135 x 186 mm	160 mm	14 mm	9 kg
M014/125	125 x 40 mm	95 mm	285 x 166 x 126h mm	166 x 210 mm	185 mm	14 mm	14 kg
M014/160	160 x 52 mm	120 mm	390 x 218 x 166h mm	218 x 275 mm	245 mm	18 mm	28 kg
M014/200	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

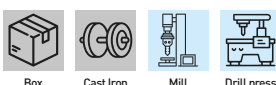
With interchangeable jaws in hardened and ground steel. Sliding parts ground. Uncovered vine. With crank and fixing screws.

M024/250


Art.	Jaws	Opening	Dimensions	Base dimensions	Slot distance	Slot	Net weight
M024/136	136 x 32 mm	170 mm	375 x 162 x 123h mm	223 x 165 mm	200 mm	14 mm	14 kg
M024/160	160 x 50 mm	180 mm	402 x 182 x 142h mm	252 x 182 mm	225 mm	14 mm	23 kg
M024/200	200 x 63 mm	220 mm	470 x 234 x 172h mm	290 x 222 mm	260 mm	18 mm	33 kg
M024/250	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	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	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	160 x 50 mm	125 mm	0° - 90°	443 x 270 x 194h mm	325 x 250 mm	300 mm	18 mm	35 kg

M017-
NEW
DRILL PRESS VICE HEAVY DUTY

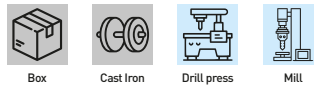
Equipped with prismatic jaws, with screw protection from dust and other residues.



Art.	Jaws	Jaw height	Opening	Base dimensions	Net weight
M017/080	80 mm	25 mm	87 mm	185 x 155 mm	4,3 Kg
M017/100	100 mm	32 mm	100 mm	230 x 200 mm	7,8 Kg

M027-
DRILL PRESS VICE

Equipped with scraped guides for greater precision and better sliding.



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

M016-
NEW
MACHINE VICE HORIZONTAL - VERTICAL

Equipped with a prismatic and a smooth jaw, constant overall length thanks to the screw inserted in the handle. Adjusted to 3 positions so that it can be fixed in horizontal, vertical and lateral positions.



Art.	Jaws	Jaw height	Opening	Base dimensions	Net weight
M016/075	75 mm	30 mm	70 mm	150 x 142 mm	3 Kg
M016/100	100 mm	30 mm	95 mm	175 x 160 mm	4,3 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	100 mm	80 mm	182 x 156 mm	4 kg
M001/120	120 mm	110 mm	200 x 175 mm	5 kg
M001/150	150 mm	135 mm	230 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	75 X 24 mm	55 mm	123 x 115 mm	1,5 kg
0142/100	100 x 25,5 mm	85 mm	160 x 155 mm	2,5 kg
0142/125	125 x 30 mm	100 mm	182 x 182 mm	4 kg

0698/100
TILTING VICE

Ideal for drilling with any angle of attack.



Box



Cast Iron



Drill press

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
QUICK ACTING DRILL PRESS VICE

With prismatic jaw and swivel base.



Box



Cast Iron



Drill press

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.



Box



Cast Iron



Drill press

Art.	Jaws	Opening	Base dimensions	Height	Longitudinal travel	Cross travel	Net weight
0188/100	100 x 25 mm	90 mm	240 x 140 mm	140 mm	130 mm	110 mm	7,5 kg
0188/125	125 x 40 mm	110 mm	255 x 160 mm	150 mm	170 mm	130 mm	13 kg
0188/150	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.



Box



Cast Iron



Drill press

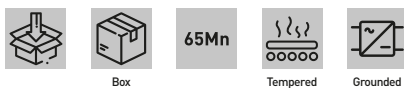
Art.	Jaws	Opening	Base dimensions	Height	Longitudinal travel	Cross travel	Slot	Net weight
0188/100G	100 X 25 mm	90 mm	210 x 150 mm	175 mm	130 mm	110 mm	18 mm	11,5 kg
0188/125G	125 X 40 mm	120 mm	230 x 175 mm	180 mm	150 mm	120 mm	20 mm	14,5 kg
0188/150G	150 X 45 mm	150 mm	235 x 195 mm	190 mm	170 mm	115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

0766-

NEW

MAGNETIC PARALLEL SERIES

Ground in pairs. Used as workpiece shims in a wide variety of machining operations, ensuring parallel clamping. Thanks to the magnetic coupling, clamping times are reduced.



Art.	Dimensions	Hardness	Accuracy
0766/090	90 x 2,5 x (15-22-25-30-32) mm	HRC 60	± 0,005 mm
0766/125	125 x 2,5 x (15-30-35-37-39) mm	HRC 60	± 0,005 mm
0766/150	150 x 2,5 x (25-35-40-45-47) mm	HRC 60	± 0,005 mm

P014

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

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

PARALLEL COUPLE SET

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

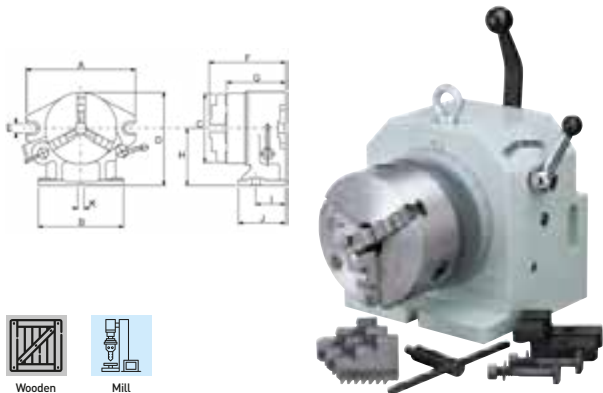


Dimensions	150 x 8 x (14-16-20-24-30-32-36-40-44) mm
Hardness	HRC 45
Accuracy	± 0,005 mm

D023

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.

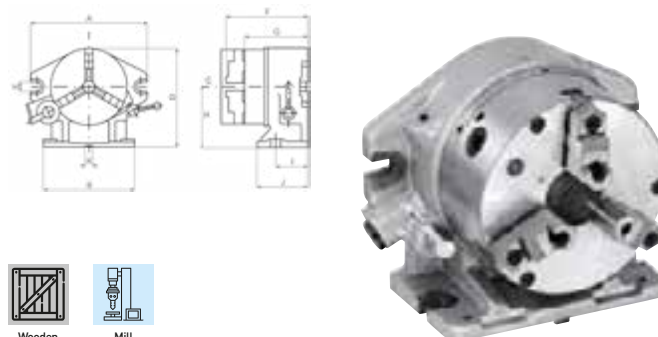


Dividing	2 - 3 - 4 - 6 - 8 - 12 - 24
A	230 mm
B	230 mm
C	160 mm
D	236 mm
E	18 mm
F	320 mm
G	285 mm
H	125 mm
I	- mm
J	210 mm
K	18 mm
Hole	30 mm
Hor. max load	50 kg
Ver. max load	10 kg
Net weight	66,5 kg

D003

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°.

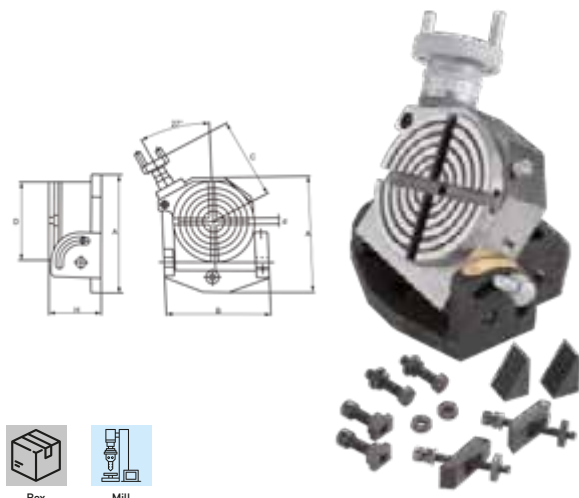


Dividing	2 - 3 - 4 - 6 - 8 - 12 - 24
A	310 mm
B	255 mm
C	210 mm
D	259,25 mm
E	18 mm
F	214 mm
G	171,5 mm
H	149,25 mm
I	80 mm
J	130 mm
K	16 mm
Hole	62 mm
Hor. max load	50 kg
Ver. max load	10 kg
Net weight	52 kg

T016/100

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.

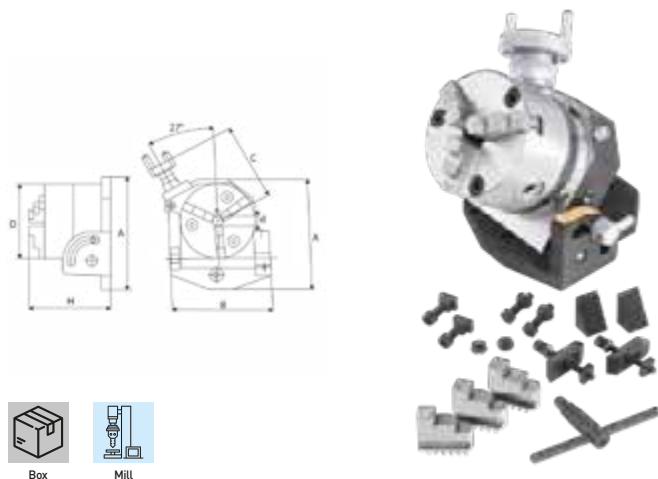


A	143 mm
B	130 mm
C	105 mm
D	102 mm
d	18 mm
H	68 mm
Revolution	360°
Tilting table	90°
Ratio	1:36
Slots	4 x 6.35 mm 5/16"
Horizontal height	102 mm
Net weight	5 kg

T017/100

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.

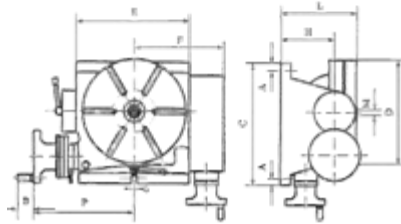
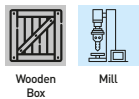


Chuck sizes	100 mm
A	143 mm
B	130 mm
C	105 mm
D	100 mm
d	20 mm
H	160 mm
Revolution	360°
Tilting table	90°
Ratio	1:36
Slots	4 x 8 mm
Horizontal height	102 mm
Net weight	11 kg

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	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	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

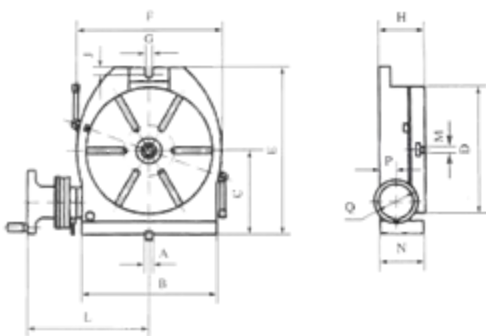
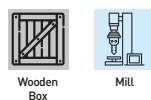


Art.	For rotary table	Ratio	Plates holes	Hole	External
D005	T001/250 - 320, T002/160 - 320	1:90	A: 34-37-38-39-41-43-44-50-52-56-6, B: 46-47-49-51-53-54-57-58-59-62-64	38 mm	130 mm
D005/400	T002/400	1:90	A: 34-37-38-39-41-43-44-50-52-56-61, B: 46-47-49-51-53-54-57-58-59-62-64	53 mm	170 mm
D005/500	T012/500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

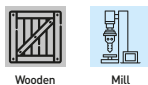


Art.	A	B	C	D	E	F	G	H	J	L	N	P	Q	MT	Ratio	Slots	Hor. max load	Ver. max load	Net weight
T002/160	12 mm	186 mm	125 mm	160 mm	242 mm	196 mm	12 mm	85 mm	12 mm	194 mm	82 mm	37 mm	125 mm	2	1:90	4/10 N° / mm	100 kg	50 kg	23 kg
T002/200	14 mm	208 mm	150 mm	200 mm	285 mm	236 mm	14 mm	100 mm	15 mm	211 mm	99 mm	48 mm	125 mm	3	1:90	4/12 N° / mm	150 kg	75 kg	30 kg
T002/250	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	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	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

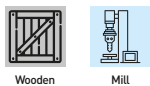
ADJUSTABLE TAILSTOCK



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

C051

ADJUSTABLE TAILSTOCK



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

C052

ADJUSTABLE TAILSTOCK

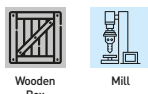
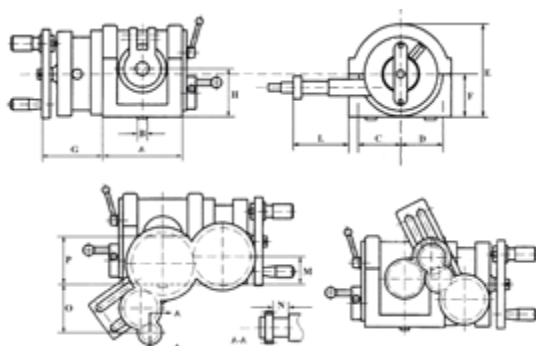


For rotary table	T002/320 - T001/320
MT	2
Centers height	180 - 224 mm
Net weight	20 kg

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.

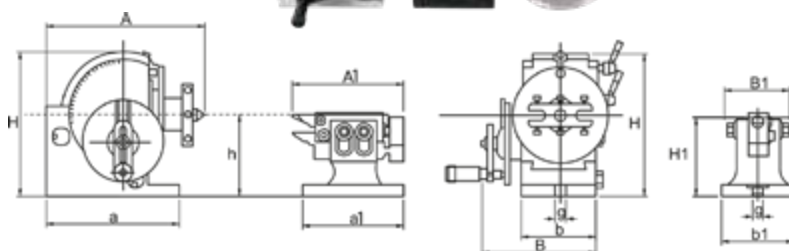


Art.	A	B	C	D	E	F	G	H	L	MT	N	P	Chuck sizes	Ratio	Capacity	Plates holes	Net weight
D004/125L	209 mm	18 mm	116 mm	98 mm	224 mm	117 mm	120 mm	125 mm	103 mm	4	34,5 mm	100 mm	Ø 160 mm	1:40	130 kg	24 - 25 - 28 - 30 - 34 - 37 - 38 - 39 - 41 - 42 - 43 - 46 - 47 - 49 - 51 - 53 - 54 - 57 - 58 - 59 - 62 - 66	119 kg
D004/160L	209 mm	18 mm	116 mm	98 mm	259 mm	152 mm	120 mm	160 mm	103 mm	4	34,5 mm	100 mm	Ø 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	193 mm	131 mm	173 mm	100 mm	166 mm	90 mm	16 mm	175 mm	87 mm	102 mm	100 mm	130 mm	82 mm	Ø 125 mm	16 mm	Ø 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	242 mm	168 mm	220 mm	128 mm	206 mm	113 mm	16 mm	183 mm	87 mm	137 mm	128 mm	158 mm	110 mm	Ø 160 mm	16 mm	Ø 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

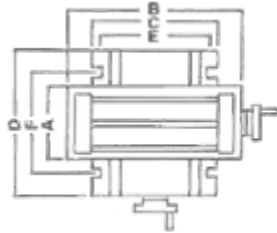
CROSS WORKING TABLE

With coolant channels. Adjustable handwheel graduation.



Wooden Box Cast Iron Mill

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

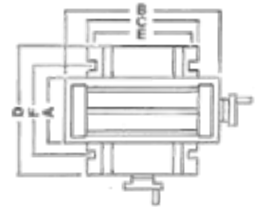
SWIVELING CROSS WORKING TABLE

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



Wooden Box Cast Iron Mill

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

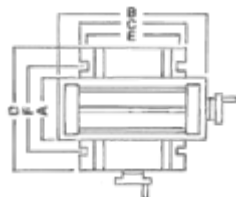
CROSS WORKING TABLE

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



Box Cast Iron Mill

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

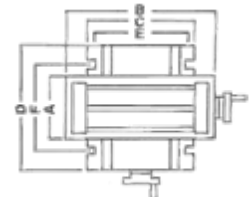
CROSS WORKING TABLE

With adjustable graduation of the handwheel.



Box Cast Iron Mill

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



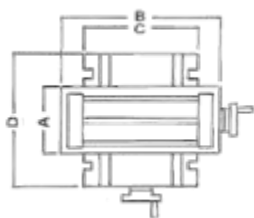


T008

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



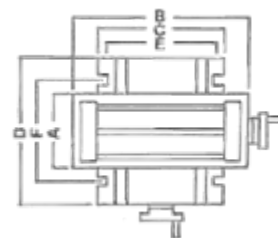
T018/350

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



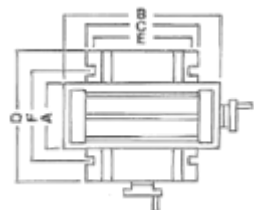
T018/330

CROSS WORKING TABLE

With fixed millimeter scale for longitudinal table movements.



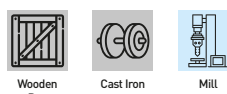
A	95 mm
B	330 mm
C	125 mm
D	145 mm
Height	82 mm
Slot	8 mm
Slot distance	36 mm
Travels	190 x 65 mm
Reading	0,05 mm
Overall dimensions	395 x 210 mm
Net weight	2,5 kg



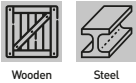
T004-

ADJUSTABLE ANGLE PLATE

With tilting regulation on both sides.



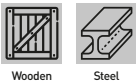
Art.	Dimensions	Slot	Tilting	Net weight
T004/250	255 x 180 x 135h mm	12 mm	± 36°	15 kg
T004/380	380 x 250 x 180h mm	16 mm	± 36°	45 kg
T004/600	610 x 305 x 253h mm	16 mm	± 36°	105 kg

P077-
PERMANENT MAGNETIC CHUCK


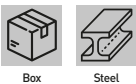
Art.	Dimensions	Magnetic force	Pole pitch	Net weight
P077/1525	250 x 150 x 60 mm	180 N/cm ²	3 + 12 mm	17 Kg
P077/1530	300 x 150 x 60 mm	180 N/cm ²	3 + 12 mm	20 Kg
P077/2040	400 x 200 x 60 mm	180 N/cm ²	3 + 12 mm	37 Kg
P077/3050	500 x 300 x 60 mm	180 N/cm ²	3 + 12 mm	65 Kg
P077/3060	600 x 300 x 60 mm	180 N/cm ²	3 + 12 mm	80 Kg


P078-
PERMANENT MAGNETIC CHUCK

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



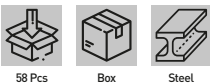
Art.	Dimensions	Magnetic force	Pole pitch	Net weight
P078/1525	250 x 150 x 48 mm	120 N/cm ²	0,5 + 1,5 mm	16 Kg
P078/1530	300 x 150 x 48 mm	120 N/cm ²	0,5 + 1,5 mm	17 Kg
P078/1535	350 x 150 x 48 mm	120 N/cm ²	0,5 + 1,5 mm	20 Kg
P078/1540	400 x 150 x 51 mm	120 N/cm ²	0,5 + 1,5 mm	24 Kg
P078/1545	450 x 150 x 51 mm	120 N/cm ²	0,5 + 1,5 mm	27 Kg
P078/2045	450 x 200 x 51 mm	120 N/cm ²	0,5 + 1,5 mm	38 Kg
P078/2050	500 x 200 x 58 mm	120 N/cm ²	0,5 + 1,5 mm	57 Kg
P078/2060	600 x 200 x 58 mm	120 N/cm ²	0,5 + 1,5 mm	55 Kg


P079-
MAGNETIC TOP WITH BREAST BAR


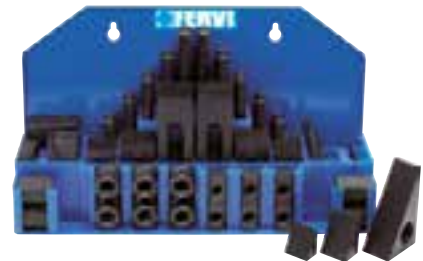
Art.	Dimensions	Magnetic force	Pole pitch	Tilting	Net weight
P079/1515	150 x 150 x 86 mm	120 N/cm ²	0,5 + 1,5 mm	0° - 60°	17 Kg
P079/1530	150 x 300 x 86 mm	120 N/cm ²	0,5 + 1,5 mm	0° - 60°	32 Kg


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	12 mm	M10
K001/14	14 mm	M12
K001/16	16 mm	M14
K001/18	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	25 x 25 x 42 mm	90 x 25 x 12 mm	M6 x 100 mm	8 mm
K002/10	25 x 25 x 42 mm	100 x 25 x 15 mm	M8 x 100 mm	10 mm
K002/12	25 x 25 x 42 mm	100 x 25 x 15 mm	M10 x 100 mm	12 mm
K002/14	25 x 25 x 42 mm	100 x 31 x 19 mm	M12 x 100 mm	14 mm





NEW FERVI SPINDLE RANGE

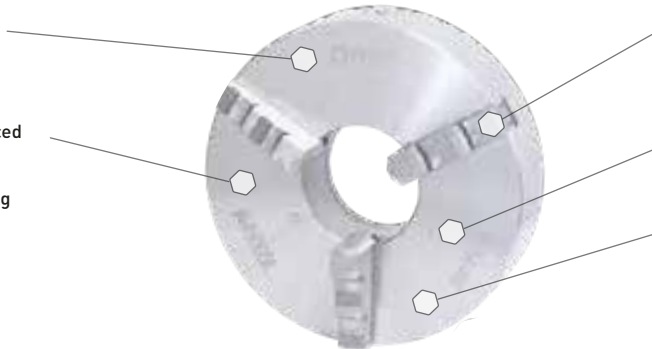


MAIN FEATURES

The new spindle line is compatible with all Fervi lathes.

Laser engraving with logo, model, and maximum RPM (revolutions per minute) number.

Single interchangeable body, balanced and well-balanced, made of heavy spheroidal cast iron with excellent rigidity, allowing for optimal gripping tolerance.



Durable jaws made of hardened, tempered, and ground steel.

Handy grease gun(s) for lubricating various parts.

The new Fervi chuck range allows for interchangeability of parts among items of the same size and with the same number of jaws.

FLANGE MOUNT

This range of spindles is designed for attachment by flange. Mechanical machining may be required to couple the spindle with the flange. They can also be applied to other mechanical parts (such as dividing tables or dividers), subject to mechanical adjustment.



INTEGRATED CAMLOCK ATTACHMENT

Camlock couplings allow faster changeover and, most importantly, prevent accidental unscrewing of the spindle. It does not require any preliminary machining for mounting on the machine.



SPINDLE SELECTION GUIDE

The choice of spindle is related to the type of machining to be performed.

3-JAW CHUCK (SELF CENTERING)



They allow solid circular or tubular, polygonal workpieces with a number of sides divisible by 3 to be clamped, centering them, by means of straight or reverse jaws.

4-JAW CHUCK (SELF-CENTERING)



They are used for fastening solid circular or tubular workpieces, with irregular or polygonal cross-section with a number of sides divisible by 4, by means of straight or reverse jaws.

INDEPENDENT JAW CHUCK



In this type of chuck, each jaw has independent movement in order to be able to clamp the workpiece with its axis off-center in the case of particular types of machining.

BASED ON THE LATHE



CENTER HEIGHT

This parameter indicates the height between the center of the spindle and the lathe bed. The tip height determines the maximum radius that can be machined on the bench. Multiplying the value by 2 will give us the maximum diameter that can be machined on the bench.

SPINDLE BORE

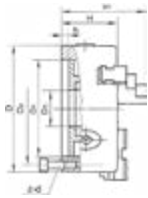
This is the diameter of the through-hole present on the lathe to be able to thread long bars to be turned by threading and clamping them between the jaws of the chuck.

SPINDLE NOSE CAMLOCK

Determined by the diameter of the lathe head flange pins or if available from machine technical data.

**M075A-****NEW****PRECISION SELF-CENTERING CHUCK 3 + 3 + 3 JAWS**

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 and 1 series consisting of 3 solid soft jaws. Metal's rear cover for Ø250 mm, Ø320 mm and Ø400 mm chucks



Box

Wooden
Box

Cast Iron

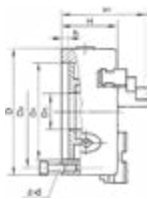


Lathe

Art.	D1	D2	D3	H1	H	h	z-d	Spanner square	A - A1	B - B1	C - C1	Net weight
M075A/080	55 mm	66 mm	16 mm	66 mm	50 mm	4 mm	3-M6	8 mm	2 - 22 mm	25 - 70 mm	22 - 63 mm	1,9 kg
M075A/100	72 mm	84 mm	22 mm	74,5 mm	55 mm	4 mm	3-M8	8 mm	2 - 30 mm	30 - 90 mm	30 - 80 mm	3,2 kg
M075A/125	95 mm	108 mm	30 mm	84 mm	58 mm	4 mm	3-M8	10 mm	2,5 - 40 mm	38 - 125 mm	38 - 110 mm	5 kg
M075A/160	130 mm	142 mm	45 mm	95 mm	65 mm	5 mm	3-M8	10 mm	3 - 55 mm	50 - 160 mm	55 - 145 mm	8,8 kg
M075A/200	165 mm	180 mm	65 mm	109 mm	75 mm	6 mm	3-M10	12 mm	4 - 85 mm	65 - 200 mm	65 - 200 mm	15,5 kg
M075A/250	206 mm	226 mm	80 mm	120 mm	80 mm	5 mm	3-M12	12 mm	6 - 110 mm	80 - 250 mm	90 - 250 mm	25,7 kg
M075A/320	270 mm	290 mm	100 mm	143,5 mm	95 mm	11 mm	3-M16	13 mm	11,5 - 145 mm	95 - 320 mm	110 - 320 mm	47,5 kg
M075A/400	340 mm	368 mm	145 mm	155 mm	101,5 mm	7 mm	3-M16	14 mm	15 - 210 mm	120 - 400 mm	120 - 400 mm	71 kg

M076A-**NEW****PRECISION SELF-CENTERING CHUCK 4+4+4 JAWS**

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 and 1 series consisting of 4 solid soft jaws.



Box

Wooden
Box

Cast Iron

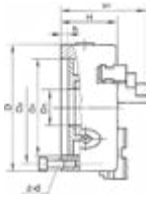


Lathe

Art.	D1	D2	D3	H1	H	h	z-d	Spanner square	A - A1	B - B1	C - C1	Net weight
M076A/080	55 mm	66 mm	16 mm	66 mm	50 mm	4 mm	3-M6	8 mm	2 - 22 mm	25 - 70 mm	22 - 63 mm	2,1 kg
M076A/100	72 mm	84 mm	22 mm	75 mm	55 mm	4 mm	3-M8	8 mm	2 - 30 mm	30 - 90 mm	30 - 80 mm	3,63 kg
M076A/125	95 mm	108 mm	30 mm	84 mm	58 mm	4,5 mm	3-M8	10 mm	2,5 - 40 mm	38 - 125 mm	38 - 110 mm	5,9 kg
M076A/160	130 mm	142 mm	45 mm	95 mm	65 mm	5 mm	3-M8	10 mm	3 - 55 mm	50 - 160 mm	55 - 145 mm	9,7 kg
M076A/200	165 mm	180 mm	65 mm	113 mm	75 mm	6 mm	3-M10	12 mm	4 - 85 mm	65 - 200 mm	65 - 200 mm	20,3 kg
M076A/250	206 mm	226 mm	80 mm	124 mm	80 mm	5 mm	3-M12	12 mm	6 - 110 mm	80 - 250 mm	90 - 250 mm	28,3 kg
M076A/320	270 mm	290 mm	100 mm	148,5 mm	95 mm	11 mm	3-M16	13 mm	11,5 - 145 mm	95 - 320 mm	110 - 320 mm	67 kg
M076A/400	340 mm	368 mm	145 mm	155 mm	101,5 mm	7 mm	3-M16	14 mm	15 - 210 mm	120 - 400 mm	120 - 400 mm	94 kg

M049A-
NEW
PRECISION SELF-CENTERING 3+3 JAWS CHUCK

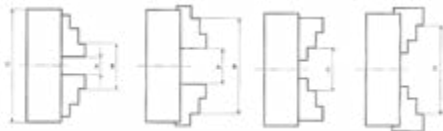
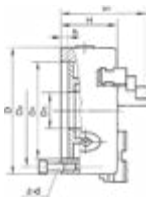
Single guide. Integral jaws, concentric clamping, equipped with 1 series consisting of 3 internal jaws, 1 series consisting of 3 external jaws and tightening key. Metal's rear cover for $\varnothing 250$ mm, $\varnothing 320$ mm and $\varnothing 400$ mm chucks



Art.	D1	D2	D3	H1	H	h	z-d	Spanner square	A - A1	B - B1	C - C1	Net weight
M049A/080	55 mm	66 mm	16 mm	66 mm	50 mm	4 mm	3-M6	8 mm	2 - 22 mm	25 - 70 mm	22 - 63 mm	1,71 kg
M049A/100	72 mm	84 mm	22 mm	74,5 mm	55 mm	4 mm	3-M8	8 mm	2 - 30 mm	30 - 90 mm	30 - 80 mm	2,94 kg
M049A/125	95 mm	108 mm	30 mm	84 mm	58 mm	5 mm	3-M8	10 mm	2,5 - 40 mm	38 - 125 mm	38 - 110 mm	4,74 kg
M049A/160	130 mm	142 mm	45 mm	95 mm	65 mm	6 mm	3-M8	10 mm	3 - 55 mm	50 - 160 mm	55 - 145 mm	8,1 kg
M049A/200	165 mm	180 mm	65 mm	114 mm	75 mm	6,5 mm	3-M10	12 mm	4 - 85 mm	65 - 200 mm	65 - 200 mm	14,42 kg
M049A/250	206 mm	226 mm	80 mm	125 mm	80 mm	5 mm	3-M12	12 mm	6 - 110 mm	80 - 250 mm	90 - 250 mm	25,6 kg
M049A/320	270 mm	290 mm	100 mm	143,5 mm	95 mm	11 mm	3-M16	13 mm	11,5 - 145 mm	95 - 320 mm	110 - 320 mm	47,4 kg
M049A/400	340 mm	368 mm	145 mm	155 mm	104 mm	6 mm	3-M16	14 mm	15 - 210 mm	120 - 400 mm	120 - 400 mm	78 kg

M449A-
NEW
PRECISION SELF-CENTERING 4+4 JAWS CHUCK

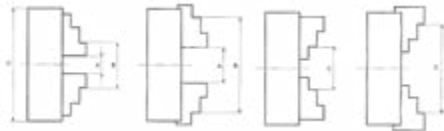
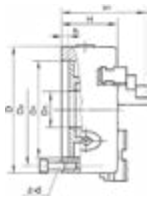
Single guide. Integral jaws, concentric clamping, equipped with 1 series consisting of 4 internal jaws, 1 series consisting of 4 external jaws and tightening key. Metal back cover for size $\varnothing 250$ mm, $\varnothing 300$ mm and $\varnothing 400$ mm.



Art.	D1	D2	D3	H1	H	h	z-d	Spanner square	A - A1	B - B1	C - C1	Net weight
M449A/080	55 mm	66 mm	16 mm	66 mm	50 mm	4 mm	3-M6	8 mm	2 - 22 mm	25 - 70 mm	22 - 63 mm	1,8 kg
M449A/100	72 mm	84 mm	22 mm	75 mm	55 mm	4 mm	3-M8	8 mm	2,5 - 30 mm	30 - 90 mm	30 - 80 mm	3,1 kg
M449A/125	95 mm	108 mm	30 mm	84 mm	58 mm	4 mm	3-M8	10 mm	2,5 - 40 mm	38 - 125 mm	38 - 110 mm	4,9 kg
M449A/160	130 mm	142 mm	45 mm	95 mm	65 mm	5 mm	3-M8	10 mm	3 - 55 mm	50 - 160 mm	55 - 145 mm	8,6 kg
M449A/200	165 mm	180 mm	65 mm	113 mm	75 mm	6 mm	3-M10	12 mm	4 - 85 mm	65 - 200 mm	65 - 200 mm	15,3 kg
M449A/250	206 mm	226 mm	80 mm	124 mm	80 mm	5 mm	3-M12	12 mm	6 - 110 mm	80 - 250 mm	90 - 250 mm	27,2 kg
M449A/320	270 mm	290 mm	100 mm	148,5 mm	95 mm	11 mm	3-M16	13 mm	11,5 - 145 mm	95 - 320 mm	110 - 320 mm	52,3 kg
M449A/400	340 mm	368 mm	145 mm	155 mm	101,5 mm	7 mm	3-M16	14 mm	15 - 210 mm	120 - 400 mm	120 - 400 mm	78,1 kg

**M078A-****NEW****PRECISION SELF-CENTERING 3+3 JAWS CHUCK CAMLOCK**

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.



Box

Wooden
Box

Cast Iron



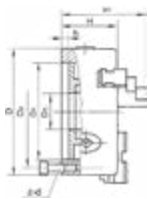
Lathe



Art.	D1	D2	D3	H1	H	h	z-d	Spanner square	A - A1	B - B1	C - C1	Net weight
M078A/160/D1-4	63,513 mm	82,6 mm	40 mm	100,5 mm	71 mm	13 mm	3-M10	10 mm	3 - 55 mm	50 - 160 mm	55 - 145 mm	10,6 kg
M078A/200/D1-4	63,513 mm	82,6 mm	50 mm	124 mm	86 mm	13 mm	3-M10	12 mm	4 - 85 mm	65 - 200 mm	65 - 200 mm	17 kg
M078A/200/D1-5	82,563 mm	104,8 mm	50 mm	124 mm	86 mm	15 mm	6-M12	12 mm	4 - 85 mm	65 - 200 mm	65 - 200 mm	20,1 kg
M078A/250/D1-5	82,563 mm	104,8 mm	70 mm	139 mm	95 mm	15 mm	6-M12	12 mm	6 - 110 mm	80 - 250 mm	90 - 250 mm	32 kg
M078A/250/D1-6	106,375 mm	133,4 mm	80 mm	142 mm	98 mm	16 mm	6-M16	12 mm	6 - 110 mm	80 - 250 mm	90 - 250 mm	32 kg
M078A/250/D1-8	139,719 mm	171,4 mm	80 mm	142 mm	98 mm	18 mm	6-M20	12 mm	6 - 110 mm	80 - 250 mm	90 - 250 mm	32 kg
M078A/320/D1-6	106,375 mm	133,4 mm	102 mm	158 mm	103,5 mm	16 mm	6-M16	13 mm	11,5 - 145 mm	95 - 320 mm	110 - 320 mm	51 kg
M078A/320/D1-8	139,719 mm	171,4 mm	102 mm	158 mm	103,5 mm	18 mm	6-M20	13 mm	11,5 - 145 mm	95 - 320 mm	110 - 320 mm	51 kg
M078A/400/D1-8	139,719 mm	171,4 mm	130 mm	173 mm	118 mm	18 mm	6-M20	14 mm	15 - 210 mm	120 - 400 mm	120 - 400 mm	82 kg

M079A-**NEW****PRECISION SELF-CENTERING 4+4 JAWS CHUCK CAMLOCK**

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.



Box

Wooden
Box

Cast Iron



Lathe



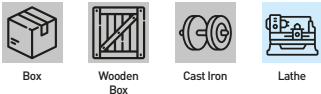
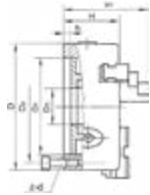
Art.	D1	D2	D3	H1	H	h	z-d	Spanner square	A - A1	B - B1	C - C1	Net weight
M079A/160/D1-4	63,513 mm	82,6 mm	40 mm	100,5 mm	71 mm	13 mm	3-M10	10 mm	3 - 55 mm	50 - 160 mm	55 - 145 mm	11 kg
M079A/200/D1-4	63,513 mm	82,6 mm	50 mm	124 mm	86 mm	13 mm	3-M10	12 mm	4 - 85 mm	65 - 200 mm	65 - 200 mm	19 kg
M079A/200/D1-5	82,563 mm	104,8 mm	50 mm	124 mm	86 mm	15 mm	6-M12	12 mm	4 - 85 mm	65 - 200 mm	65 - 200 mm	19 kg
M079A/250/D1-5	82,563 mm	104,8 mm	70 mm	139 mm	95 mm	15 mm	6-M12	12 mm	6 - 110 mm	80 - 250 mm	90 - 250 mm	35 kg
M079A/250/D1-6	106,375 mm	133,4 mm	80 mm	142 mm	98 mm	16 mm	6-M16	12 mm	6 - 110 mm	80 - 250 mm	90 - 250 mm	35 kg
M079A/250/D1-8	139,719 mm	171,4 mm	80 mm	142 mm	98 mm	18 mm	6-M20	12 mm	6 - 110 mm	80 - 250 mm	90 - 250 mm	35 kg
M079A/320/D1-6	106,375 mm	133,4 mm	102 mm	158 mm	103,5 mm	16 mm	6-M16	13 mm	11,5 - 145 mm	95 - 320 mm	110 - 320 mm	56 kg
M079A/320/D1-8	139,719 mm	171,4 mm	102 mm	158 mm	103,5 mm	18 mm	6-M20	13 mm	11,5 - 145 mm	95 - 320 mm	110 - 320 mm	56 kg
M079A/400/D1-8	139,719 mm	171,4 mm	130 mm	173 mm	118 mm	18 mm	6-M20	14 mm	15 - 210 mm	120 - 400 mm	120 - 400 mm	90 kg

M005A-

NEW

PRECISION SELF CENTERING 3 REVERSIBLE JAWS CHUCK

With single guide, single guide, equipped with 3 internal - external reversible hard jaws, clamping key and jaw-fixing screws., tightening wrench and jaw fixing screws. Plastic back cover for size Ø200 mm.



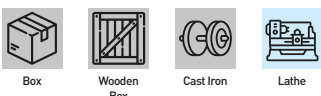
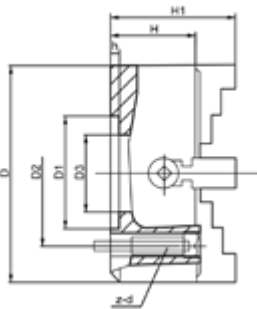
Art.	D1	D2	D3	H1	H	h	z-d	Spanner square	A - A1	B - B1	C - C1	Net weight
M005A/200	165 mm	180 mm	65 mm	122 mm	75 mm	5 mm	3-M10	12 mm	4 - 85 mm	65 - 200 mm	65 - 200 mm	14 kg
M005A/250	206 mm	226 mm	80 mm	136 mm	80 mm	5 mm	3-M12	12 mm	6 - 110 mm	80 - 250 mm	90 - 250 mm	23,4 kg
M005A/320	270 mm	290 mm	100 mm	153,5 mm	95 mm	11 mm	3-M16	13 mm	11,5 - 145 mm	95 - 320 mm	110 - 320 mm	42,4 kg
M005A/400	340 mm	368 mm	145 mm	175 mm	101,5 mm	7 mm	3-M16	14 mm	15 - 210 mm	120 - 400 mm	120 - 400 mm	71 kg
M005A/500	440 mm	465 mm	210 mm	197 mm	115 mm	7 mm	6-M16	17 mm	25 - 280 mm	150 - 500 mm	150 - 500 mm	119 kg
M005A/630	560 mm	595 mm	280 mm	218 mm	135 mm	8 mm	6-M16	19 mm	50 - 350 mm	170 - 630 mm	170 - 630 mm	208 kg

P444A-

NEW

4 JAW INDEPENDENT CHUCK

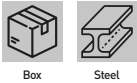
With screw control, flange connection, reversible simple guide jaws for internal and external gripping. Equipped with jaw key and fixing screws.



Art.	D	D1	D2	D3	H1	H	h	z-d	Spanner square	Net weight
P444A/125	125 mm	95 mm	108 mm	30 mm	78 mm	56 mm	6 mm	4-M8	7 mm	4,8kg
P444A/160	160 mm	65 mm	95 mm	55 mm	103 mm	75 mm	5 mm	4-M10	10 mm	10 kg
P444A/200	200 mm	80 mm	112 mm	70 mm	119 mm	80 mm	6 mm	4-M10	10 mm	14,5 kg
P444A/250	250 mm	110 mm	130 mm	100 mm	131 mm	90 mm	6 mm	4-M12	12 mm	23 kg
P444A/320	320 mm	140 mm	165 mm	115 mm	152 mm	102 mm	16 mm	4-M16	14 mm	43 kg
P444A/400	400 mm	160 mm	185 mm	125 mm	157 mm	110 mm	13 mm	4-M16	14 mm	71 kg

**M049A-xST****NEW****3 SOLID SOFT JAWS SET**

For self-centering chucks with simple guide.



Art.	Chuck sizes
M049A/080ST	Ø 80 mm
M049A/100ST	Ø 100 mm
M049A/125ST	Ø 125 mm
M049A/160ST	Ø 160 mm

M049A-xGBD**NEW****3 SOFT JAWS SET**

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



Art.	Chuck sizes
M049A/200GBD	Ø 200 mm
M049A/250GBD	Ø 250 mm
M049A/320GBD	Ø 320 mm
M049A/400GBD	Ø 400 mm

M449A-xST**NEW****4 SOLID SOFT JAWS SET**

For self-centering chucks with simple guide.



Art.	Chuck sizes
M449A/080ST	Ø 80 mm
M449A/100ST	Ø 100 mm
M449A/125ST	Ø 125 mm
M449A/160ST	Ø 160 mm

M449A-xGBD**NEW****4 SOFT JAWS SET**

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



Art.	Chuck sizes
M449A/200GBD	Ø 200 mm
M449A/250GBD	Ø 250 mm
M449A/320GBD	Ø 320 mm
M449A/400GBD	Ø 400 mm

2622x**SOFT TOP JAW FOR CHUCKS**

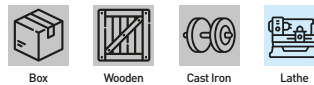
Applicable on hard jaws.



Art.	Ø	Slot distance
M075/160T	160 mm	38,1 mm
M075/200T	200 mm	44,50 mm
M075/250T	250 mm	54 mm
M075/315T	315 mm	63,5 mm
262206R	400 mm	76,2 mm
262207R	500 - 630 mm	76,2 mm

FD0x-**NEW****MOUNTING WITH STUD**

Camlock DIN 55029 to short cone with raw spindle side.



Art.	Cam lock Type	Size	Thickness	Pins
FD04/125	4"	Ø 125 mm	26 mm	Ø 15,9 mm
FD04/160	4"	Ø 160 mm	26 mm	Ø 15,9 mm
FD04/200	4"	Ø 200 mm	28 mm	Ø 15,9 mm
FD05/200	5"	Ø 200 mm	30 mm	Ø 19 mm
FD05/250	5"	Ø 250 mm	30 mm	Ø 19 mm
FD06/250	6"	Ø 250 mm	30 mm	Ø 22 mm
FD06/380	6"	Ø 400 mm	30 mm	Ø 22 mm
FD08/250	8"	Ø 250 mm	30 mm	Ø 25,4 mm
FD08/320	8"	Ø 320 mm	30 mm	Ø 25,4 mm
FD08/380	8"	Ø 400 mm	30 mm	Ø 25,4 mm
FD08/500	8"	Ø 500 mm	36 mm	Ø 25,4 mm
FD11/320	11"	Ø 320 mm	45 mm	Ø 30,0 mm
FD11/400	11"	Ø 400 mm	30 mm	Ø 30,0 mm
FD11/500	11"	Ø 500 mm	36 mm	Ø 30 mm

0563-**LATHE CHUCK KEY**

For spindles, with safety spring.



Art.	Spanner square	Dimensions
0563/08	8 mm	61 x 120 mm
0563/10	10 mm	120 x 210 mm
0563/12	12 mm	155 x 300 mm
0563/13	13 mm	120 x 300 mm
0563/14	14 mm	130 x 350 mm
0563/17	17 mm	130 x 400 mm
0563/19	19 mm	200 x 500 mm

0751/A4

CHUCK FOR LATHE



Box Steel

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

Ø 125 mm
1" - 8 TPI
ø 22 mm

0751/P

CHUCK FOR LATHE



Box Steel

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

Ø 150 mm
1" - 8 TPI
ø 22 mm

0425-

4 JAW SELF-CENTERING CHUCK

For wood lathe, ø 125 mm.



Box Steel

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

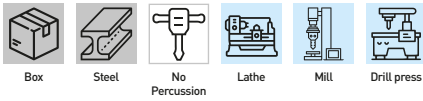




M051-

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.

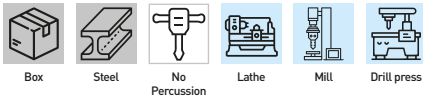


Art.	Capacity	DIN	Dimensions
M051/08	0,5 ÷ 8 mm	B 12	Ø 39 x 80 mm
M051/10	1 ÷ 10 mm	B 12	Ø 44.5 x 82 mm
M051/13	1 ÷ 13 mm	B 16	Ø 49.5 x 91 mm
M051/16	1 ÷ 16 mm	B 18	Ø 54 x 102.5 mm
M051/20	1 ÷ 20 mm	B 22	Ø 59 x 119 mm



M042-

LIGHT DUTY PROFESSIONAL SELF-TIGHTENING KEYLESS DRILL CHUCKS

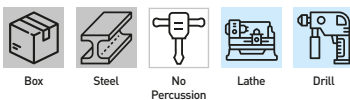


Art.	Capacity	DIN	Dimensions
M042/08	0.5 ÷ 8 mm	B12	Ø 36 x 71 mm
M042/10	1 ÷ 10 mm	B12	Ø 39 x 80 mm
M042/13	1 ÷ 13 mm	B16	Ø 41 x 87 mm
M042/16	3 ÷ 16 mm	B18	Ø 49 x 98 mm
M042/20	5 ÷ 20 mm	B22	Ø 53 x 106 mm



M052-

KEY TYPE TAPER HOLE DRILL CHUCKS



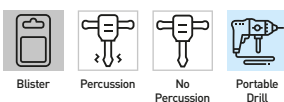
Art.	Capacity	DIN	Dimensions
M052/10	1 ÷ 10 mm	B12	Ø 43 x 57 mm
M052/13	1 ÷ 13 mm	B16	Ø 53 x 65 mm
M052/16	3 ÷ 16 mm	B18	Ø 53 x 74 mm
M052/20	5 ÷ 20 mm	B22	Ø 64 x 83 mm



M080/13

KEYLESS CHUCK WITH LOCK

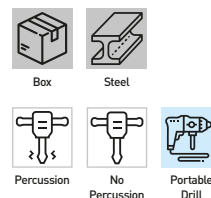
For double rotation and percussion use. Keyless quick locking with radial locking by rotating the spindle body. Body covered in synthetic material and operating parts in steel. with left fixing screw.



Capacity	Shank
2 ÷ 13 mm	1/2 20 UNF

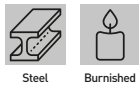
M081-

KEY TYPE TAPER HOLE DRILL CHUCKS



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



0711-
DRILL CHUCKS KEYS


Art.	L	A
0711/06	56 mm	5 mm
0711/10	56 mm	5 mm
0711/13	80 mm	6 mm
0711/16	90 mm	7 mm
0711/20	120 mm	8 mm

1-xB
NEW
MORSE TAPER ADAPTER

DIN 2080. Balanced chuck body, with extraction slot for tools. Balancing 12.000 rpm.



Art.	ISO	MT	D	L
1/1B40	40	1	25 mm	50 mm
1/2B40	40	2	32 mm	50 mm
1/3B40	40	3	40 mm	65 mm
1/4B40	40	4	48 mm	95 mm
1/1B50	50	1	25 mm	45 mm
1/2B50	50	2	32 mm	60 mm
1/3B50	50	3	40 mm	65 mm
1/4B50	50	4	48 mm	70 mm
1/5B50	50	5	63 mm	100 mm

1-xA
MORSE TAPER ADAPTER

DIN 69871/A, balanced chuck body, with extraction slot for tools. Balancing 12.000 rpm.



Art.	ISO	MT	D	L
1/1A40	40	1	25 mm	45 mm
1/2A40	40	2	32 mm	60 mm
1/3A40	40	3	40 mm	75 mm
1/4A40	40	4	50 mm	98 mm
1/2A50	50	2	32 mm	40 mm
1/3A50	50	3	40 mm	50 mm
1/4A50	50	4	48 mm	95 mm
1/5A50	50	5	63 mm	110 mm

1-xD
MORSE TAPER ADAPTER

MAS-403 BT, balanced chuck body, with extraction slot for tools. Balancing 12.000 rpm.



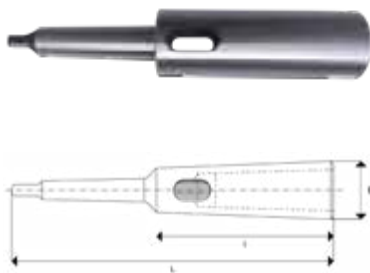
Art.	BT	MT	D	L
1/1D40	40	1	25 mm	45 mm
1/2D40	40	2	32 mm	60 mm
1/3D40	40	3	40 mm	75 mm
1/4D40	40	4	50 mm	98 mm
1/2D50	50	2	32 mm	40 mm
1/3D50	50	3	40 mm	75 mm
1/4D50	50	4	50 mm	80 mm
1/5D50	50	5	63 mm	110 mm



ST45-xL

EXTENDED MORSE TAPER ADAPTERS

For mounting tools with tapered shank vices.



Art.	MT External	MT Internal	L	l	D
ST45/2/1L	2	1	160 mm	85 mm	20 mm
ST45/2/2L	2	2	175 mm	90 mm	30 mm
ST45/2/3L	2	3	196 mm	121 mm	36 mm
ST45/3/1L	3	1	175 mm	81 mm	20 mm
ST45/3/2L	3	2	194 mm	100 mm	30 mm
ST45/3/3L	3	3	215 mm	121 mm	36 mm
ST45/3/4L	3	4	240 mm	146 mm	48 mm
ST45/4/1L	4	1	200 mm	82,5 mm	20 mm
ST45/4/2L	4	2	215 mm	97,5 mm	30 mm
ST45/4/3L	4	3	240 mm	122,5 mm	36 mm
ST45/4/4L	4	4	265 mm	147,5 mm	48 mm
ST45/4/5L	4	5	300 mm	182,5 mm	63 mm
ST45/5/1L	5	1	232 mm	82,5 mm	20 mm
ST45/5/2L	5	2	247 mm	97,5 mm	30 mm
ST45/5/3L	5	3	268 mm	118,5 mm	36 mm
ST45/5/4L	5	4	300 mm	150,5 mm	48 mm
ST45/5/5L	5	5	335 mm	185,5 mm	63 mm
ST45/5/6L	5	6	396 mm	247 mm	82 mm

A001-

PRECISION DRILL CHUCK SHANK

For spindles with taper shank.



Art.	MT	DIN
A001/2/12	2	B12
A001/2/16	2	B16
A001/2/18	2	B18
A001/3/12	3	B12
A001/3/16	3	B16
A001/3/18	3	B18
A001/3/22	3	B22
A001/4/16	4	B16
A001/4/18	4	B18
A001/4/22	4	B22

ST45-

PRECISION MORSE TAPER REDUCTION SLEEVE

For mounting tools with tapered shank vices.



Art.	MT External	MT Internal
ST45/2/1	2	1
ST45/3/1	3	1
ST45/3/2	3	2
ST45/4/1	4	1
ST45/4/2	4	2
ST45/4/3	4	3
ST45/5/3	5	3
ST45/5/4	5	4

E002-

DRIFT SLEEVES

For cone extraction.



Art.	MT
E002/12	1-2
E002/3	3
E002/4	4

3-CM

COLLET CHUCK

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

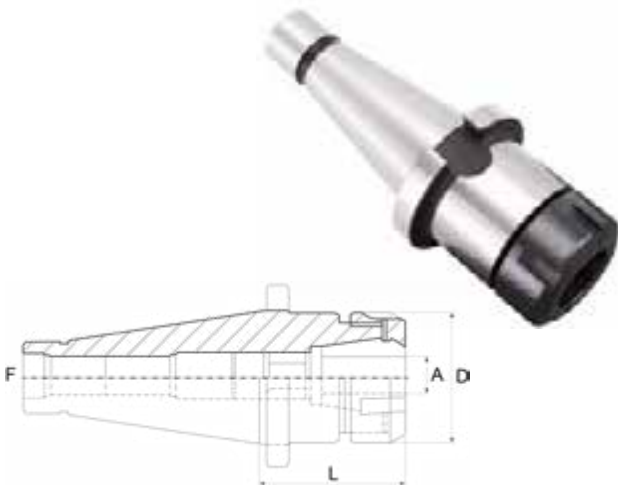


Art.	Pliers	D	L	L1	F	A
3/CM2	ER 32	50 mm	135 mm	60 mm	M 10	3 / 20 mm
3/CM3	ER 32	50 mm	146 mm	60 mm	M 12	3 / 20 mm
3/CM4	ER 32	50 mm	166 mm	58 mm	M 16	3 / 20 mm

3/B/40

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

3A40-

COLLET CHUCK

DIN 69871/A, for mounting tools with cylindrical shank on DIN 6499 (ER) collets. Supplied with locking ferrule. Balancing 12.000 rpm.

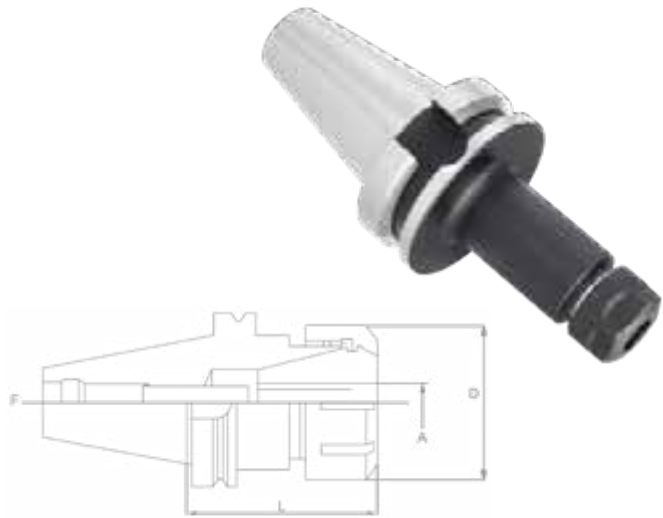


Art.	Pliers	A	D	L	F
3A40/16	ER 16	1 / 10 mm	28 mm	100 mm	M 16
3A40/20	ER 20	2 / 13 mm	34 mm	100 mm	M 16
3A40/25	ER 25	2 / 16 mm	42 mm	100 mm	M 16
3/A/40	ER 32	3/20 mm	50 mm	72 mm	M 16

3D40-

COLLET CHUCK

MAS-403 BT, for mounting tools with cylindrical shank on DIN 6499 (ER) collets. Supplied with locking ferrule. Balancing 12.000 rpm.



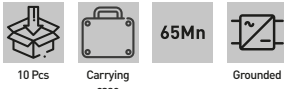
Art.	Pliers	A	D	L	F
3D40/16	ER 16	1 / 10 mm	28 mm	100 mm	M 16
3D40/20	ER 20	2 / 13 mm	34 mm	100 mm	M 16
3D40/25	ER 25	2 / 16 mm	42 mm	100 mm	M 16
3/D/40	ER 32	3/20 mm	50 mm	63 mm	M 16



PR16/10P

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

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

SPRING COLLET SET

ER25 DIN 6499/B, usable with collet chucks.

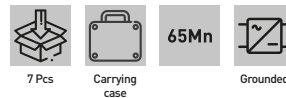


Sizes \emptyset 2-3-4-5-6-7-8-9-10-11-12-13-14-15-16 mm

P032/7P

SPRING COLLET SET

ER32 DIN 6499/B, usable with collet chucks.

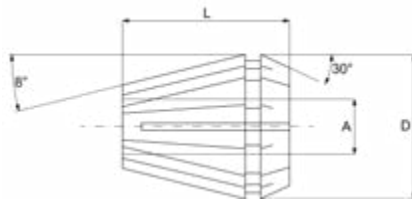


Sizes 4-6-8-10-12-16-20 mm

P032-

SPRING COLLET

ER32 DIN 6499/B, usable with collet chucks.



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

P032/18P

SPRING COLLET SET

ER32 DIN 6499/B, usable with collet chucks.



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.	Plier
G016	ER16
G020	ER20
G025	ER25
G032	ER32



CHERx

LOCK RING DRIVING KEY

ER DIN 6499.



Art.
CHER25
CHER32



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	MT	F	H
16/CM3	16 mm	3	M 12	40 mm
16/CM4	16 mm	4	M 16	55 mm
22/CM3	22 mm	3	M 12	50 mm
22/CM4	22 mm	4	M 16	55 mm
27/CM3	27 mm	3	M 12	50 mm
27/CM4	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. Balancing 12.000 rpm.



Art.	ISO	d-h6	L	L1	Balancing rpm
16A40	40	16 mm	27 mm	35 mm	12000
22A40	40	22 mm	31 mm	41 mm	12000
27A40	40	27 mm	33 mm	41 mm	12000
32A40	40	32 mm	38 mm	45 mm	12000
16A50	50	16 mm	27 mm	35 mm	12000
22A50	50	22 mm	31 mm	35 mm	12000
27A50	50	27 mm	33 mm	35 mm	12000
32A50	50	32 mm	38 mm	40 mm	12000
40A50	50	40 mm	41 mm	40 mm	12000

16-B
ARBOR FOR MILLING CUTTERS

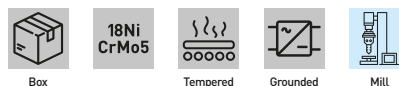
DIN 2080, balanced chuck body, for cylindrical end mills according to DIN 481, for milling cutters with longitudinal groove DIN 1880 and for insert milling cutters DIN 1830. Supplied with cross screw, drive ring and key. Balancing 2.000 rpm.



Art.	ISO	d - h6	L	L1
16/B40	40	16 mm	27 mm	35 mm
22/B40	40	22 mm	31 mm	39 mm
27/B40	40	27 mm	33 mm	40 mm
32/B40	40	32 mm	38 mm	40 mm
16/B50	50	16 mm	27 mm	35 mm
22/B50	50	22 mm	31 mm	35 mm
27/B50	50	27 mm	33 mm	35 mm
32/B50	50	32 mm	38 mm	40 mm
40/B50	50	40 mm	41 mm	40 mm

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. Balancing 12.000 rpm.



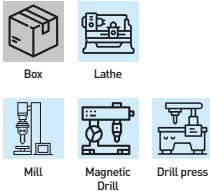
Art.	BT	d - h6	L	L1
16/D40	40	16 mm	27 mm	35 mm
22/D40	40	22 mm	31 mm	35 mm
27/D40	40	27 mm	33 mm	35 mm
32/D40	40	32 mm	38 mm	40 mm
16/D50	50	16 mm	27 mm	35 mm
22/D50	50	22 mm	31 mm	35 mm
27/D50	50	27 mm	33 mm	35 mm
32/D50	50	32 mm	38 mm	40 mm
40/D50	50	40 mm	41 mm	40 mm



M004-

HOLE CUTTER SHANK WITH COOLANT SYSTEM AND WELDON SHANK

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

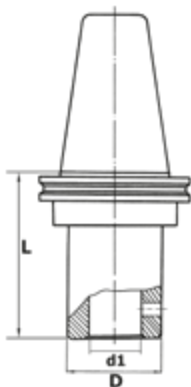


Art.	MT	Total length	Female junction
M004/2	2	170,5 mm	Weldom 19,05 mm
M004/3	3	190,5 mm	Weldom 19,05 mm

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. Balancing 12.000 rpm.

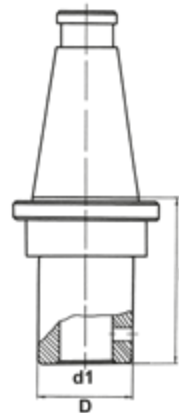


Art.	ISO	d1 - h6	D	L
4/06A40	40	6 mm	25 mm	60 mm
4/08A40	40	8 mm	28 mm	60 mm
4/10A40	40	10 mm	35 mm	50 mm
4/12A40	40	12 mm	42 mm	60 mm
4/14A40	40	14 mm	42 mm	70 mm
4/16A40	40	16 mm	48 mm	70 mm
4/18A40	40	18 mm	48 mm	70 mm
4/20A40	40	20 mm	52 mm	63 mm
4/25A40	40	25 mm	40 mm	100 mm
4/32A40	40	32 mm	72 mm	100 mm
4/06A50	50	6 mm	25 mm	65 mm
4/08A50	50	8 mm	28 mm	65 mm
4/10A50	50	10 mm	35 mm	70 mm
4/12A50	50	12 mm	42 mm	75 mm
4/14A50	50	14 mm	42 mm	75 mm
4/16A50	50	16 mm	48 mm	80 mm
4/18A50	50	18 mm	48 mm	80 mm
4/20A50	50	20 mm	52 mm	80 mm
4/25A50	50	25 mm	65 mm	100 mm
4/32A50	50	32 mm	72 mm	105 mm
4/40A50	50	40 mm	80 mm	120 mm

4-xB

WELDON SHANK TOOL HOLDER

DIN 2080, balanced chuck body, for milling cutters (Weldon) according to DIN 1835 B and DIN 6535 HB. Supplied with tightening screw. Balancing 2.000 rpm.



Art.	ISO	d1 - h6	D	L
4/06B40	40	6 mm	25 mm	50 mm
4/08B40	40	8 mm	28 mm	50 mm
4/10B40	40	10 mm	35 mm	50 mm
4/12B40	40	12 mm	42 mm	50 mm
4/16B40	40	16 mm	48 mm	63 mm
4/18B40	40	18 mm	48 mm	50 mm
4/20B40	40	20 mm	52 mm	63 mm
4/25B40	40	25 mm	65 mm	100 mm
4/32B40	40	32 mm	72 mm	80 mm
4/06B50	50	6 mm	25 mm	50 mm
4/08B50	50	8 mm	28 mm	50 mm
4/10B50	50	10 mm	35 mm	50 mm
4/12B50	50	12 mm	42 mm	50 mm
4/16B50	50	16 mm	48 mm	50 mm
4/20B50	50	20 mm	52 mm	63 mm
4/25B50	50	25 mm	65 mm	80 mm
4/32B50	50	32 mm	72 mm	80 mm
4/40B50	50	40 mm	90 mm	90 mm

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. Balancing 12.000 rpm.



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

2-xA
MORSE TAPER ADAPTER WITH THREAD

DIN 69871/A, balanced chuck body. Balancing 12.000 rpm.



Art.	ISO	MT	D	L
2/1A40	40	1	25 mm	45 mm
2/2A40	40	2	32 mm	60 mm
2/3A40	40	3	40 mm	75 mm
2/4A40	40	4	50 mm	98 mm
2/2A50	50	2	32 mm	40 mm
2/3A50	50	3	40 mm	50 mm
2/4A50	50	4	50 mm	80 mm
2/5A50	50	5	63 mm	110 mm

2-xB
MORSE TAPER ADAPTER WITH THREAD

DIN 2080, balanced chuck body. Balancing 2.000 rpm.



Art.	ISO	MT	D	L
2/1B40	40	1	25 mm	15 mm
2/2B40	40	2	32 mm	30 mm
2/3B40	40	3	40 mm	64 mm
2/4B40	40	4	50 mm	94 mm
2/2B50	50	2	32 mm	20 mm
2/3B50	50	3	40 mm	30 mm
2/4B50	50	4	50 mm	65 mm
2/5B50	50	5	63 mm	105 mm

**2-xD****MORSE TAPER ADAPTER WITH THREAD**

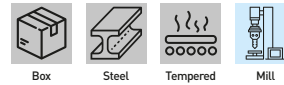
MAS-403 BT, balanced chuck body. Balancing 12.000 rpm.



Art.	BT	MT	D	L
2/1D40	40	1	25 mm	45 mm
2/2D40	40	2	32 mm	60 mm
2/3D40	40	3	40 mm	75 mm
2/4D40	40	4	50 mm	98 mm
2/2D50	50	2	32 mm	40 mm
2/3D50	50	3	40 mm	75 mm
2/4D50	50	4	50 mm	80 mm
2/5D50	50	5	63 mm	110 mm

TIPAx**TIP**

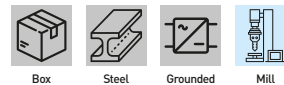
DIN 69871/A.



Art.	ISO
TIPA40	40
TIPA50	50

**TIPDx****TIP**

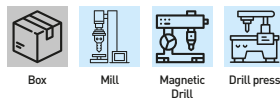
MAS-403 BT.



Art.	ISO
TIPD40	40
TIPD50	50

**M059-****REVERSIBLE TAPPING CHUCK WITH ADJUSTABLE CLUTCH**

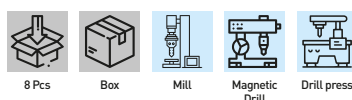
The adjustable safety device with friction reduces the possibility of breaking the male during the execution of the thread. Built-in rotation inverter, immediately active when the feed device is changed. Adjustable clutch in 4 positions. Equipped with 2 flexible pliers and keys for use.



Art.	Tapping range	Dimensions w/o MT	MT	DIN
M059/07	M 2 - 7	Ø 55 x 130h mm	2	B16
M059/12	M 5 - 12	Ø 75 x 162h mm	3	B16
M059/20	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 19 mm connection. Sockets per square: N°1 3.5x2.7 mm - N°1 4.5x3.4 mm - N°2 6x4.9 mm - N°1 8x6.2 mm - N°1 10x8 mm - N°1 9x7 mm.

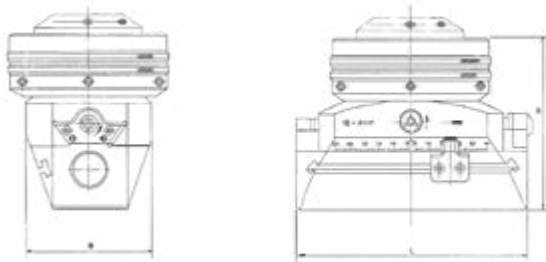
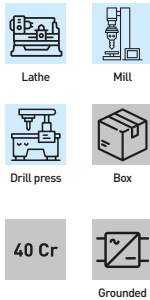


Art.	Tapping range	Arbor length with and without holder	MT
M060/2	M 3 - 12	213 - 175 - Ø 46 mm	2
M060/3	M 3 - 12	228 - 190 - Ø 46 mm	3
M060/4	M 3 - 12	253 - 215 - Ø 46 mm	4



T021-
AUTOMATIC PRECISION BORING HEAD

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



Art.
T021/030
T021/030CM3
T021/050
T021/100
T021/100/50

	T021/030 T021/030CM3	T021/050	T021/100 T021/100/50
Max facing and boring \varnothing	150 mm	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
\varnothing of tool post holes in head	18 mm	22 mm	22 mm
Max \varnothing 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	$\varnothing 6$ mm	$\varnothing 10$ mm	$\varnothing 10$ 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	$\varnothing 50$ mm	MT3-DIN228A	$\varnothing 12$ mm	15 mm	75 mm
T010/5004	$\varnothing 50$ mm	MT4-DIN228A	$\varnothing 12$ mm	15 mm	75 mm
T010/5040	$\varnothing 50$ mm	ISO 40-DIN2080	$\varnothing 12$ mm	15 mm	81 mm
T010/7540	$\varnothing 75$ mm	ISO 40-DIN2080	$\varnothing 18$ 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	T010/50	12 \varnothing mm	60 mm	KV250	TCMT110204N
B001/18	T010/75	18 \varnothing mm	99 mm	KV250	TCMT110204N

S007-

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.



Box

Steel

Art.	Dimensions	Base	Taper
S007/30	230 x h150 mm	Ø 150 mm	ISO 30 DIN 2080 - SK30 DIN 69871 - BT30 - CAT30 - HSK50A - CAPTO C5
S007/40	235 x h155 mm	Ø 150 mm	ISO 40 DIN 2080 - SK40 DIN 69871 - BT40 - CAT40 - HSK63A - CAPTO C6
S007/50	265 x h200 mm	Ø 180 mm	ISO 50 DIN 2080 - SK50 DIN 69871 - BT50 - CAT50 - HSK100A - CAPTO C10

S014-

CHUCK HOLDER

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



Wooden Box

Art.	Chuck sizes
S014/40BT	BT 40 ISO 40
S014/40DIN	DIN 69871.40 ISO 40
S014/50BT	BT 50 ISO 50
S014/50DIN	DIN 69871.50 ISO 50

P450A

NEW

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.



Box

Dimensions	1080 x 656 x 830h mm
Taper	ISO 50

P440A

NEW

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.



Box

Dimensions	1080 x 656 x 830h mm
Taper	ISO 40

P350A

NEW

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 15 cone holders.



Box

Dimensions	620 x 453 x 350h mm
Taper	ISO 50

P340A

NEW

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.



Box

Dimensions	620 x 453 x 350h mm
Taper	ISO 40

PC50A NEW

TOOL HOLDER SHELF

Equipped with handles for handling. Supplied with 5 cone holders.



Box

Dimensions	620 x 140 x 90h mm
Taper	ISO 50

PC40A NEW

TOOL HOLDER SHELF

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



Box

Dimensions	620 x 145 x 65h mm
Taper	ISO 40

PC50A/R NEW

TOOL HOLDER SET

Pin fixing.



10 Pcs



Box

Plastic

Dimensions	140 x 105 mm
Taper	ISO 50

PC40A/R NEW

SET OF 10 CONE HOLDER BUSHINGS

Pin fixing.



10 Pcs



Box

Plastic

Dimensions	140 x 80 mm
Taper	ISO 40

P4ACS NEW

COUPLE OF SUPPORTS

For tool rolling cabinet.

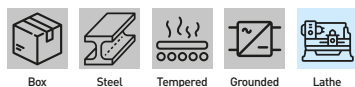


Steel



**C046-****ROTARY LIVE CENTER**

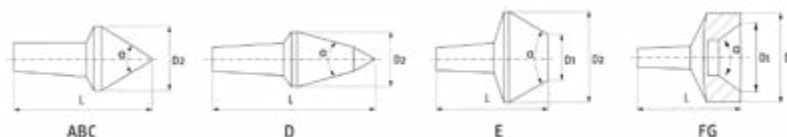
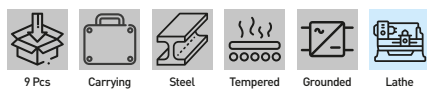
Mainly used in lathes with the aim of stabilizing long and thin pieces, more subject to bending or uncontrolled oscillation caused by the forces generated during machining.



Art.	MT	Center	Body	Length	rpm max	Maximum capacity
C046/2	2	60° - max Ø21mm	Ø 45 mm	152 mm	2500 g/min	50 kg
C046/3	3	60° - max Ø27 mm	Ø 53 mm	180 mm	2500 g/min	75 kg
C046/4	4	60° - max Ø29 mm	Ø 63 mm	218 mm	2000 g/min	150 kg
C046/5	5	60° - max Ø37 mm	Ø 80 mm	276 mm	2000 g/min	200 kg

C050-**PRECISION LIVE CENTER SET**

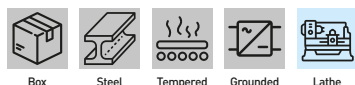
Mainly used in lathes with the aim of stabilizing long and thin pieces, more subject to bending or uncontrolled oscillation caused by the forces generated during machining. Complete with 7 interchangeable inserts and extractor for the inserts.



Art.	MT	A	B	C	D	E	F	G
C050/2	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	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	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.	MT	Ø	Length	rpm max	Maximum capacity
C055/3	3	60° - 30 ÷ 100 mm	170 mm	2500 g/min	200 kg
C055/4	4	60° - 40 ÷ 160 mm	230 mm	1600 g/min	350 kg
C055/5	5	60° - 66 ÷ 200 mm	290 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.	MT	Carbide center max	Length
C053/2	2	60° - max Ø 8 mm	100 mm
C053/3	3	60° - max Ø 11 mm	125 mm
C053/4	4	60° - max Ø 13 mm	160 mm
C053/5	5	60° - max Ø 17 mm	200 mm

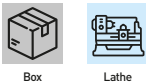
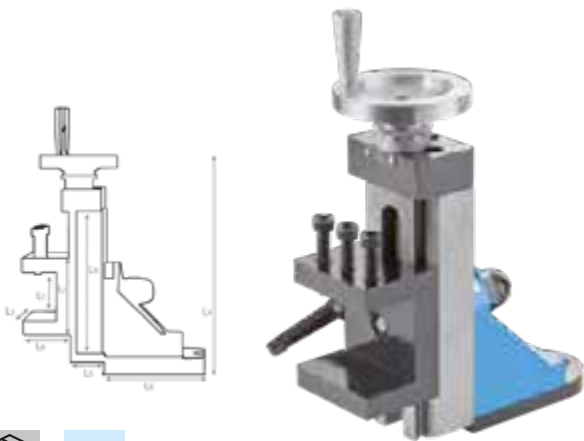
HOW TO CHOOSE YOUR TOOL POST

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

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.

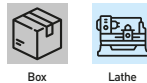


L1	52 mm
L2	80 mm
L3	65 mm
L4	220 mm
L5	37 mm
L6	110 mm
L8	46 mm
L9	150 mm

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.

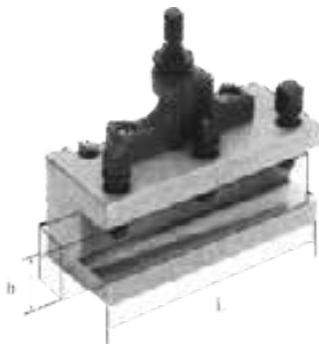


Art.	R max	S max	P	H	X min
T00A	100 mm	54 mm	48 mm	16 mm	30 mm
T00B	150 mm	75 mm	71 mm	25 mm	37 mm
T00C	202 mm	105 mm	102 mm	32 mm	47 mm
T00E	125 mm	68 mm	60 mm	20 mm	35 mm

T00x-D

FLAT TYPE TOOL HOLDERS

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

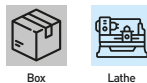
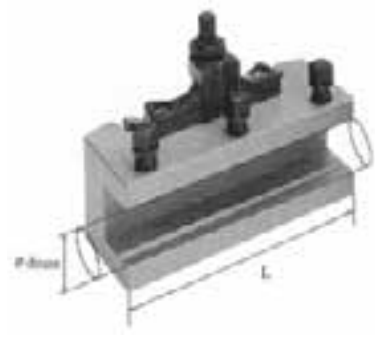


Art.	L	h
T00A/D	80 mm	16 mm
T00B/D	120 mm	25 mm
T00C/D	150 mm	32 mm
T00E/D	100 mm	20 mm

T00x-B

PRISMATIC TYPE TOOL HOLDERS

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



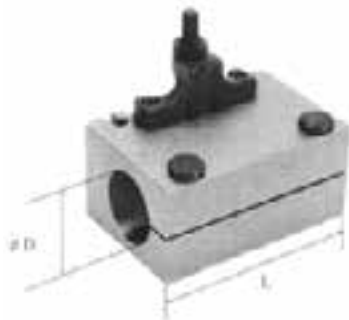
Art.	L	d max
T00A/B	80 mm	20 mm
T00B/B	130 mm	32 mm
T00C/B	160 mm	32 mm
T00E/B	100 mm	30 mm



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	80 mm	30 mm
T00B/S	120 mm	40 mm
T00C/S	150 mm	40 mm
T00E/S	100 mm	30 mm

T0Ax

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 height
T0AA	57 mm	64 mm	56 mm	14,4 mm	14 mm
T0AB	95 mm	85 mm	76 mm	19,9 mm	20 mm
T0AC	100 mm	100 mm	92 mm	22,22 mm	25 mm
T0AE	76,5 mm	76,5 mm	90 mm	16,5 mm	20 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.

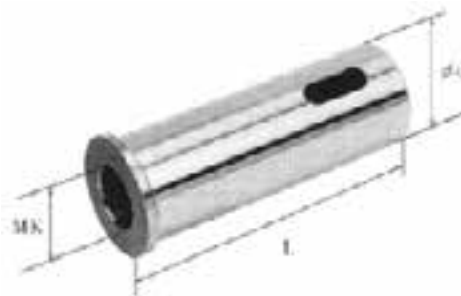


Art.	Length	Width	Height	Hole	Tool height
T00A0	60 mm	50 mm	30 mm	10 mm	12 mm
T00A0L	60 mm	50 mm	40 mm	10 mm	12 mm
T00A1R	68 mm	68 mm	47 mm	10 mm	19 mm

T00x-LC

REDUCTION SLEEVE

For housing tools with MT attachment.



Art.	L	d	MT
T00AE/LCM1	80 mm	30 mm	1
T00AE/LCM2	95 mm	30 mm	2
T00BC/LCM2	105 mm	36 mm	2
T00BC/LCM3	120 mm	40 mm	3
T00BC/L 4	150 mm	40 mm	4

T0Ax-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
T0AA/D	76 mm	25,5 mm	38 mm	14 mm
T0AB/D	108 mm	35 mm	54 mm	20 mm
T0AC/D	125 mm	40 mm	63 mm	25 mm
T0AE/D	89 mm	29 mm	45 mm	20 mm

T00Ax-PP

FLAT TYPE TOOL HOLDERS

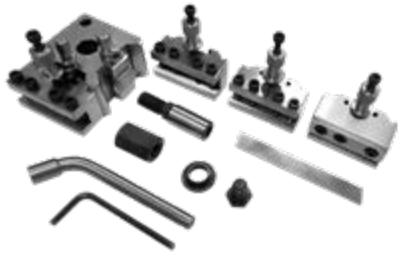
Quick change with flat seat equipped with screw for height adjustment and 2 tightening screws.



Art.	Length	Width	Height	Tool height
T00A0/PP	50 mm	22 mm	24 mm	12 mm
T00A1R/PP	66 mm	27 mm	46 mm	19 mm

T00A1
QUICK CHANGE TOOL POST

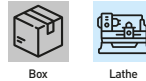
For quick tool changes thanks to the locking / unlocking pin. Composition of the set: - 1 tool holder turret - 3 tool holders with flat seat.



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

T00A1/PP
FLAT TYPE TOOL HOLDERS

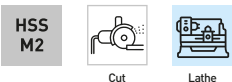
Quick change with flat seat equipped with screw for height adjustment and 4 tightening screws.



Length	58 mm
Width	28,5 mm
Height	25 mm
Tool height	12 mm

T00A1/LR
NEW
BLADE TOOL

For cutting operations. For T00A1/PL blade holder.



Length	101,6 mm
Height	12,7 mm
Thickness	2,38 mm

T00A1/PL
NEW
BLADE TOOL HOLDER

Quick-change. Equipped with height adjustment screw and 3 blade clamping screws.



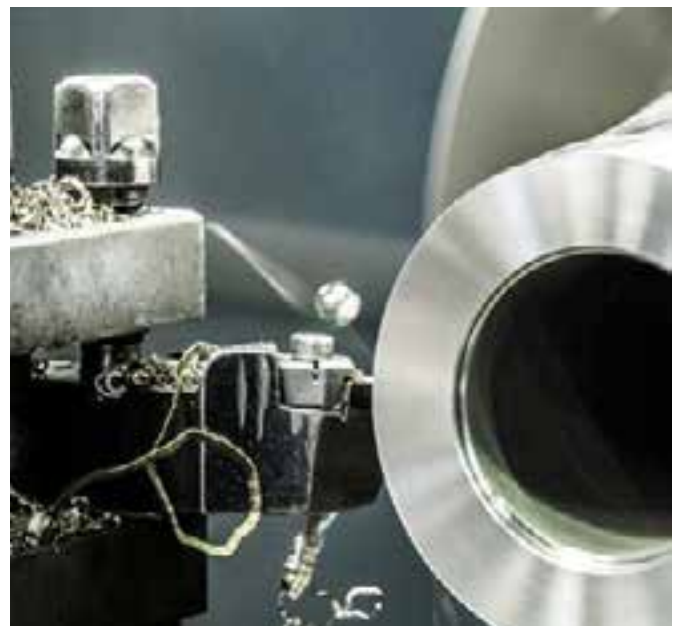
Length	58 mm
Width	30,5 mm
Height	25 mm
Tool height	13 mm

T00A1/SP
NEW
TOOL HOLDER PRISMATIC SEAT

Quick-change. Equipped with height adjustment screw and 4 clamping screws.



Length	58 mm
Width	28,5 mm
Height	25 mm
Tool height	12 mm





M038

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.



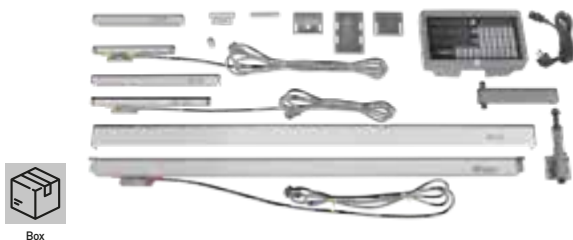
Art.	Power	Tank capacity	Pump capacity
P018/230V	230V - 50Hz - 40W	10 l	22 l/min
P018/400V	400V - 50Hz - 40W	10 l	22 l/min



T999/3A

LATHE DISPLAY KIT

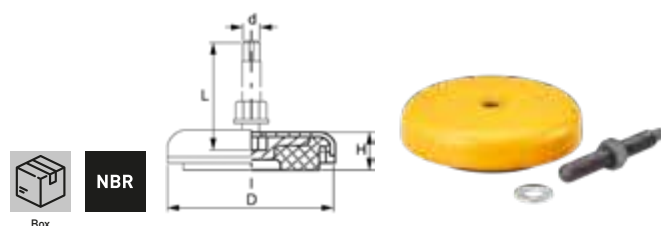
Equipped with 3-axis display, measuring lines and connection cables.



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

0715-

ANTI-VIBRATION MOUNTINGS



Art.	D	d	L	H	Capacity
0715/0080	40 mm	M5	40 mm	15 mm	80 Kg
0715/0400	80 mm	M10	95 mm	25 mm	400 Kg
0715/1100	120 mm	M12	125 mm	33 mm	1100 Kg
0715/2000	160 mm	M16	145 mm	35 mm	2000 Kg

T200

COOLING HOSE

Suitable for liquids and air, resistant to vibrations, internal diameter of 6 mm and connection of 1/4". completely hermetic, constant internal diameter in any position, unalterable to normal chemicals. Composed of: n. 20 segments, n.1 nozzle: hole Ø1,5 mm, n.1 nozzle: hole Ø3 mm, n.1 nozzle: hole Ø7 mm, n.1 fitting: 1/8", n.1 fitting: 1/4" and n.1 plain nozzle.

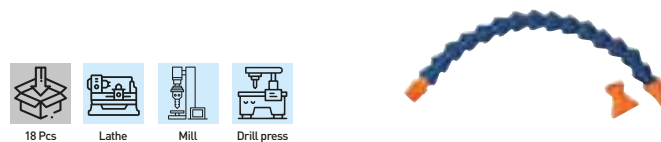


Total length	330 mm
Hose diameter	6 mm - 1/4"

T201

COOLING HOSE

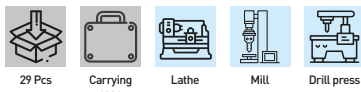
Suitable for liquids and air, resistant to vibrations, internal diameter of 12 mm and connection of 1/2". Completely hermetic, constant internal diameter in any position, unalterable to normal chemicals. Composed of: n.12 segments n.1 nozzle - hole: Ø6 mm, n.1 nozzle - hole: Ø9.5 mm, n.1 nozzle - hole: Ø12.5 mm, n.1 fitting 1/2", n.1 fitting 3/8", n.1 plain nozzle.



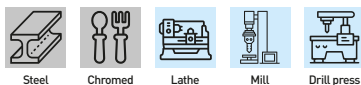
Total length	320 mm
Hose diameter	12 mm - 1/2"


T202
NEW
ARTICULATED MODULAR HOSE SET FOR REFRIGERANT LIQUIDS

Suitable for liquid and air mounting and unalterable to normal chemical agents, internal diameter of 6 mm and 1/4" connection. Consisting of: 1 hose clamp, 1 Y fitting, 2 fittings: 1/8", n.2 fittings: 1/4", n.1 tap with 1/4" fitting, n.1 tap with hose connection, n.6 nozzles (2pcs 1/16", 2pcs 1/8" and 2pcs 1/4"), 3 spatula nozzles, 2 spatula nozzles with holes, 3 90° nozzles, 1 90° nozzle with holes, 6 pipes l=150 mm consisting of 10 segments the one.



Hose diameter 6 mm - 1/4"

T338-
CHROMED METAL JOINTED TUBE FOR REFRIGERATING LIQUIDS


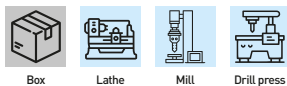
Art.	Total length	Thread
T338/500	500 mm	3/8"
T338/600	600 mm	3/8"

Tx
LATHE CHUCK SAFETY GUARD STEEL FRAME WITH LEXAN SCREEN


Art.	Dimensions
T400	Ø 400 x 200 mm
T500	Ø 500 x 220 mm
T600	Ø 600 x 280 mm

P100/250
MACHINE TOOL SAFETY GUARD

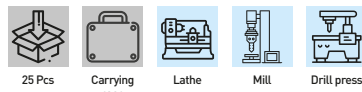
With safety microswitch, adjustable height.



Spindle 400 mm
Shield 150x250 H x L mm

T203
NEW
ARTICULATED MODULAR HOSE SET FOR REFRIGERANT LIQUIDS

Suitable for liquids and air and unalterable to normal chemical agents, internal diameter of 12 mm and 1/2" connection. Composed of: no.1 hose assembly pliers, no.1 Y-connector, no.2 fittings: 1/2", no.2 fittings: 3/8", no.1 tap with hose connection, no.1 tap with 1/2" connection, no.1 1/2" articulated connection, no.6 nozzles (2pcs with Ø6 mm hole, 2pcs with Ø9.5 mm hole and 2pcs with Ø12.5 mm hole), no.3 90° nozzles, no.3 90° nozzles with holes, no.6 pipes l=160 mm composed of 7 segments each.



Hose diameter 12 mm - 1/2"

S100
BENCH GRINDER SAFETY GUARD WITH LEXAN SCREEN

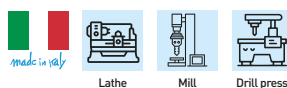

Dimensions 110 x 120 mm

Mx
UNIVERSAL SUPPORT UNIT FOR LATHE WITH CHUCK SAFETY GUARD WITH MICROSWITCH


Art.	Spindle	Length
M400	ø 30 mm	350 mm
M500	ø 30 mm	400 mm
M600	ø 30 mm	450 mm

P101-
MACHINE TOOL SAFETY GUARD

Adjustable and tilting height, lexan screen, safety microswitch.



Art.	Spindle	Shield
P101/300	400L mm	150 x 350 H x L mm
P101/350	500L mm	150 x 400 H x L mm
P101/400	600L mm	200 x 500 H x L mm



0531A

LED LIGHT MACHINE OPERATION LAMP

Articulated, without transformer.



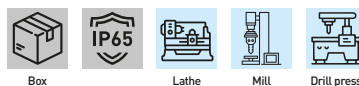
Power	24 V 13 W AC/DC
Luminous flux	1800 lm
Color temperature	6500 K
LED number	9
Height	110 mm
Diameter	125 mm
Joints	1



0532A

LED LIGHT MACHINE OPERATION LAMP

Articulated, without transformer.



Power	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

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

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



0537A

LED LIGHT MACHINE OPERATION LAMP

Articulated, without transformer.



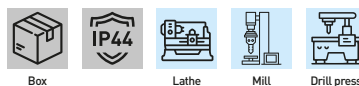
Power	24V 7W
Luminous flux	700 lm
Color temperature	6500 K
LED number	7
Height	100 mm
Diameter	90 mm
Joints	1



0538A

LED LIGHT MACHINE OPERATION LAMP

Articulated, without transformer.



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



0536

MACHINE TOOL OPERATION LAMP

Flexible, with transformer and magnetic base.



Height max	620 mm
With transformer	230 V / 12 V 25 W



0536A

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. 146  External tool holders
- p. 152  Internal tool holders
- p. 155  Tools for threading and cutting off
- p. 160  Milling cutters
- p. 164  Tool accessories








INSERTS, LATHE TOOLS AND TOOL BITS

- p. 168  Insert for lathe
- p. 175  Milling inserts
- p. 178  Tapping inserts
- p. 178  Inserts for cutting off
- p. 179  Lathe tools
- p. 181  Tool bits


TWIST DRILLS AND CUTTERS FOR METAL

- p. 184  Straight shank twist drills
- p. 193  Conical and center drills
- p. 195  Weldon shank
- p. 199  Hole saw
- p. 206  Machine reamers
- p. 207  Counterborers
- p. 208  Stepped cutters & countersinks
- p. 210  End mills
- p. 212  Tungsten carbide rotary burrs
- p. 220  Disc shaper cutters


BUILDING AND WOOD DRILLS AND CUTTERS

- p. 221  Straight shank twist drills
- p. 221  Sds Plus shank
- p. 222  Hole saw
- p. 223  Diamond tools
- p. 226  Wood drill bits and hole saws
- p. 227  End mills for wood


TAPS AND DIES

- p. 228  Tap and die sets
- p. 231  HSS taps
- p. 234  Dies


THREAD REPAIR

- p. 237  Thread repair set
- p. 242  Thread repair insert
- p. 246  Taps for thread repair
- p. 249  Thread repair tools


BANDSAW BLADES AND SAW BLADES

- p. 250  Bandsaw blades
- p. 251  Saw blades



IDENTIFICATION OF TURNING TOOLS FOR EXTERNAL PROCESSING

S	T	G	C	R	16
1	2	3	4	5	6

3 - Type of tool

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
1	2	3	4	5	6

3 - Type of tool

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
		Roughing	Finish	Roughing	Finish			
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

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

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)

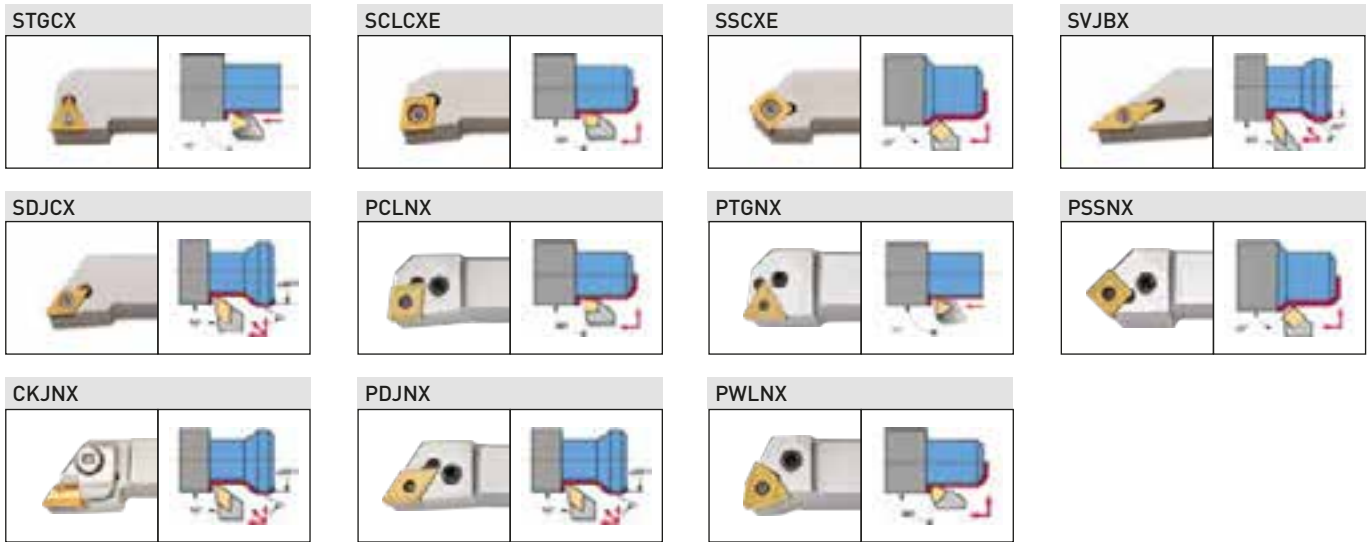
Fz : Tool feed (per tooth) per revolution in millimetres (mm/revolution)

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

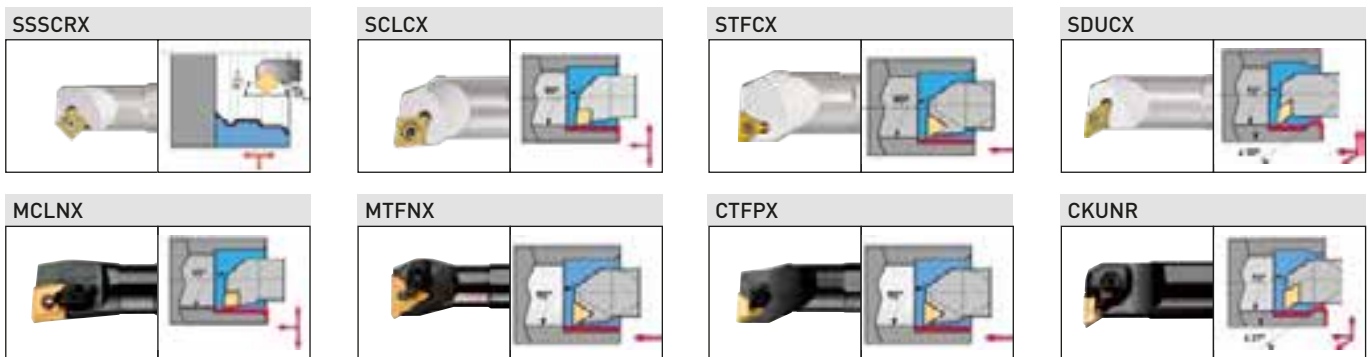
π : its value is 3.14



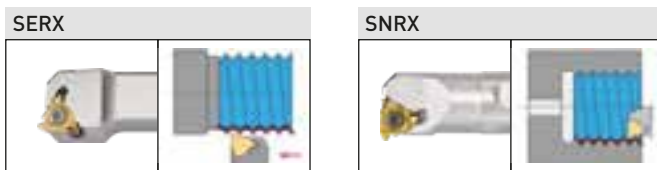
TPOLOGY OF TOOLS FOR EXTERNAL TURNING



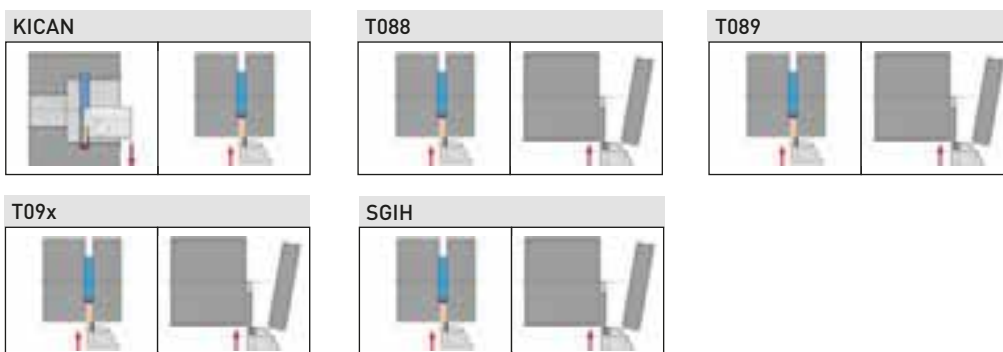
TPOLOGY OF TOOLS FOR INTERNAL TURNING



TPOLOGY OF THREADING TOOLS



TPOLOGY OF TOOLS FOR GROOVING AND PARTING OFF

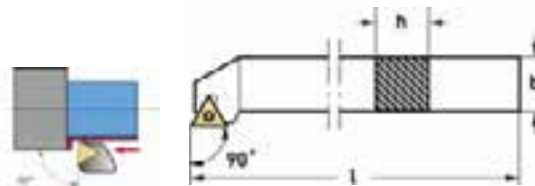



B007-
NEW
INDEXABLE CARBIDE TOOL HOLDER SET

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



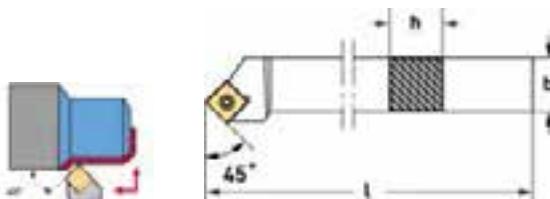
Art.	Ext. shank / Insert	Int. shank / Insert	Length	Screw
B007/10	10 mm / TCMT110204...	8 mm / TCMT090204...	Ext: 63 mm / Int: 100 mm	KV250
B007/12	12 mm / TCMT110204...	10 mm / TCMT110204...	Ext: 88 mm / Int: 125 mm	KV250
B007/16	16 mm / TCMT16T304...	12 mm / TCMT110204...	Ext: 100 mm / Int: 150 mm	Ext: KV400 / Int: KV250
B007/20	20 mm / TCMT16T304...	16 mm / TCMT110204...	Ext: 115 mm / Int: 200 mm	Ext: KV400 / Int: KV250
B007/25	25 mm / TCMT16T304...	20 mm / TCMT110204...	Ext: 150 mm / Int: 250 mm	Ext: KV400 / Int: KV250
B007/32	32 mm / TCMT16T304...	25 mm / TCMT16T304...	Ext: 170 mm / Int: 250 mm	KV400

KITSTGXC
NEW
EXTERNAL TOOL HOLDER WITH INSERTS


Art.	Ext. tool holder	Bits	b	h	l
KITSTGCR16	STGCR16/11	TCMT110204N x 10 Pcs	16 mm	16 mm	100 mm
KITSTGCR20	STGCR20	TCMT16T304N x 10 Pcs	20 mm	20 mm	125 mm
KITSTGCR25	STGCR25	TCMT16T304N x 10 Pcs	25 mm	25 mm	150 mm

KITSCLCXE
NEW
EXTERNAL TOOL HOLDER WITH INSERTS


Art.	Ext. tool holder	Bits	b	h	l
KITSCLCR12E	SCLCR12E	CCMT09T304N x 10 Pcs	12 mm	12 mm	80 mm
KITSCLCR16E	SCLCR16E	CCMT09T304N x 10 Pcs	16 mm	16 mm	100 mm
KITSCLCR20E	SCLCR20E	CCMT120408N x 10 Pcs	20 mm	20 mm	125 mm
KITSCLCR25E	SCLCR25E	CCMT120408N x 10 Pcs	25 mm	25 mm	150 mm

KITSSSCXE
NEW
EXTERNAL TOOL HOLDER WITH INSERTS


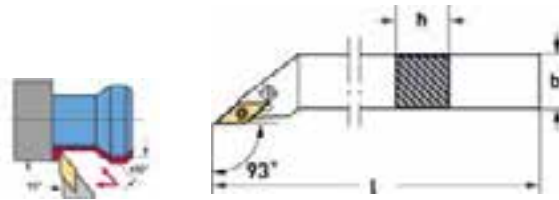
Art.	Ext. tool holder	Bits	b	h	l
KITSSSCR20E	SSSCR20E x 10 Pcs	SCMT120408N	20 mm	20 mm	125 mm
KITSSSCR25E	SSSCR25E x 10 Pcs	SCMT120408N	25 mm	25 mm	150 mm



KITSVJBX

NEW

EXTERNAL TOOL HOLDER WITH INSERTS

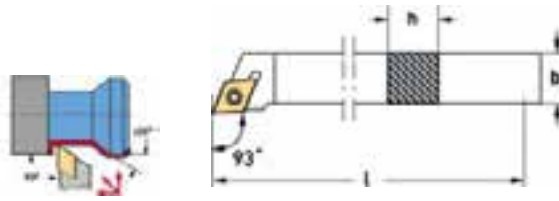


Art.	Ext. tool holder	Bits	b	h	l
KITSVJBR20	SVJBR20	VBMT160404N x 10 Pcs	20 mm	20 mm	125 mm
KITSVJBR25	SVJBR25	VBMT160404N x 10 Pcs	25 mm	25 mm	150 mm

KITSDJCX

NEW

EXTERNAL TOOL HOLDER WITH INSERTS

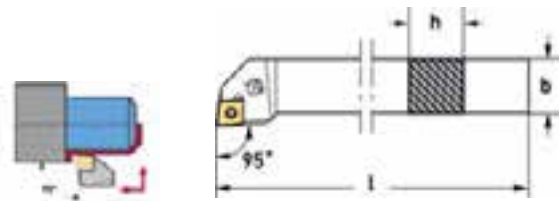


Art.	Ext. tool holder	Bits	b	h	l
KITSDJCR10	SDJCR10	DCMT070204N x 10 Pcs	10 mm	10 mm	70 mm
KITSDJCR12	SDJCR12	DCMT070204N x 10 Pcs	12 mm	12 mm	80 mm
KITSDJCR16	SDJCR16	DCMT070204N x 10 Pcs	16 mm	16 mm	100 mm
KITSDJCR20	SDJCR20	DCMT11T304N x 10 Pcs	20 mm	20 mm	125 mm
KITSDJCR25	SDJCR25	DCMT11T304N x 10 Pcs	25 mm	25 mm	150 mm

KITPCLNX

NEW

EXTERNAL TOOL HOLDER WITH INSERTS

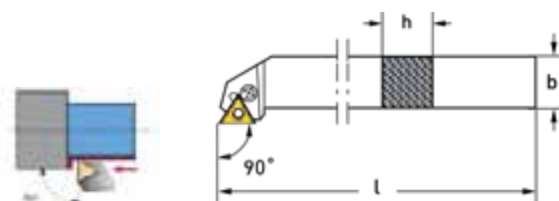


Art.	Ext. tool holder	Bits	b	h	l
KITPCLNR16	PCLNR16	CNMG120404N x 10 Pcs	16 mm	16 mm	100 mm
KITPCLNR20	PCLNR20	CNMG120404N x 10 Pcs	20 mm	20 mm	125 mm
KITPCLNR25	PCLNR25	CNMG120404N x 10 Pcs	25 mm	25 mm	150 mm

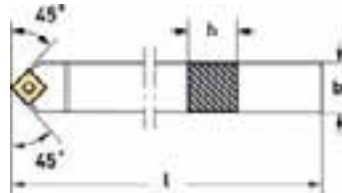
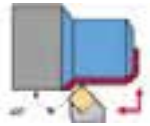
KITPTGNX

NEW

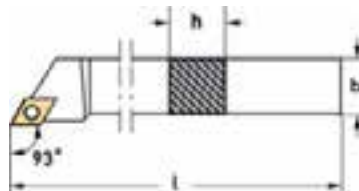
EXTERNAL TOOL HOLDER WITH INSERTS



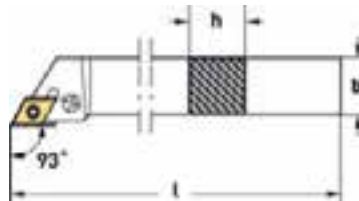
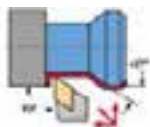
Art.	Ext. tool holder	Bits	b	h	l
KITPTGNR16	PTGNR16	TNMG160404N x 10 Pcs	16 mm	16 mm	100 mm
KITPTGNR20	PTGNR20	TNMG160404N x 10 Pcs	20 mm	20 mm	125 mm
KITPTGNR25	PTGNR25	TNMG160404N x 10 Pcs	25 mm	25 mm	150 mm


KITPSSNX
NEW
EXTERNAL TOOL HOLDER WITH INSERTS


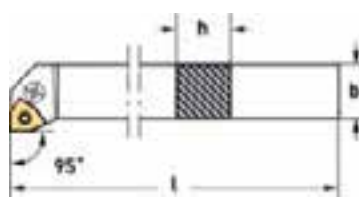
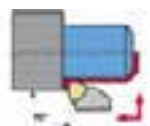
Art.	Ext. tool holder	Bits	b	h	l
KITPSSNR16	PSSNR16	SNMG120404F15 x 10 Pcs	16 mm	16 mm	100 mm
KITPSSNR20	PSSNR20	SNMG120404F15 x 10 Pcs	20 mm	20 mm	125 mm
KITPSSNR25	PSSNR25	SNMG120404F15 x 10 Pcs	25 mm	25 mm	150 mm

KITCKJ
NEW
EXTERNAL TOOL HOLDER WITH INSERTS


Art.	Ext. tool holder	Bits	b	h	l
KITCKJ16	CKJNR16	KNUX160405RN x 10 Pcs	20 mm	16 mm	100 mm
KITCKJ20	CKJNR20	KNUX160405RN x 10 Pcs	20 mm	20 mm	125 mm
KITCKJ25	CKJNR25	KNUX160405RN x 10 Pcs	25 mm	25 mm	150 mm

KITPDJNX
NEW
EXTERNAL TOOL HOLDER WITH INSERTS


Art.	Ext. tool holder	Bits	b	h	l
KITPDJNR20	PDJNR20	DNMG150608N x 10 Pcs	20 mm	20 mm	125 mm
KITPDJNR25	PDJNR25	DNMG150608N x 10 Pcs	25 mm	25 mm	150 mm

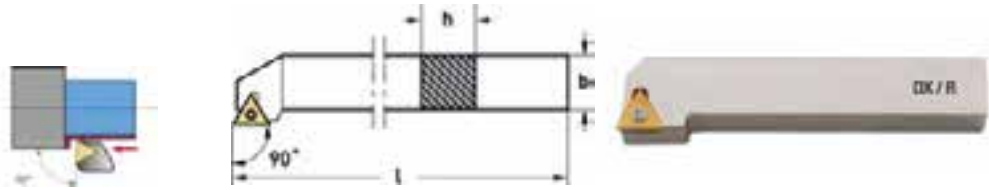
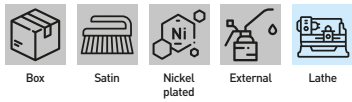
KITPWLNX
NEW
EXTERNAL TOOL HOLDER WITH INSERTS


Art.	Ext. tool holder	Bits	b	h	l
KITPWLNR20	PWLNR20	WNMG080408N x 10 Pcs	20 mm	20 mm	125 mm
KITPWLNR25	PWLNR25	WNMG080408N x 10 Pcs	25 mm	25 mm	150 mm



STGCX

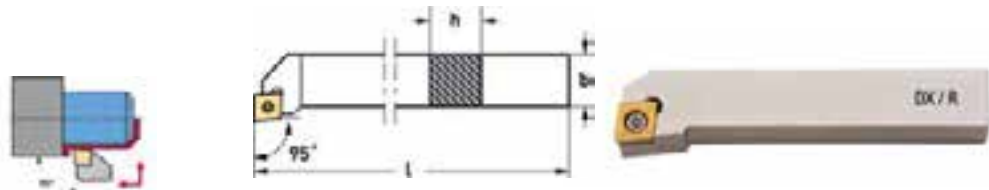
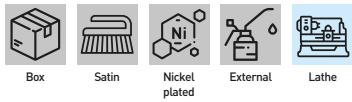
90° EXTERNAL TOOL HOLDER



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

SCLCXE

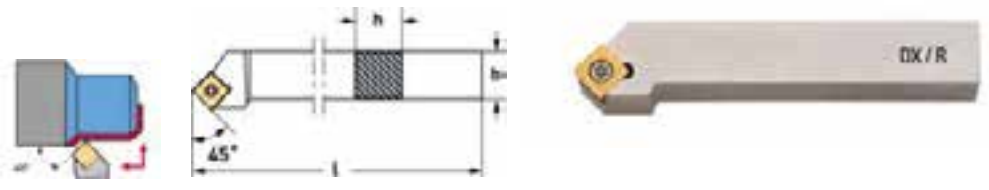
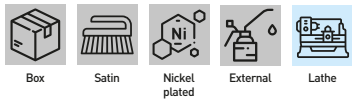
95° EXTERNAL TOOL HOLDER



Art.	Side	b	h	l	Screw	Bushing	Base	Insert (not included)
SCLCR12E	Dx/R	12 mm	12 mm	80 mm	KV350	-----	-----	CCMT09T3...
SCLCL12E	Sx/L	12 mm	12 mm	80 mm	KV350	-----	-----	CCMT09T3...
SCLCR16E	Dx/R	16 mm	16 mm	100 mm	KV350	BU3550	BSCL09	CCMT09T3...
SCLCL16E	Sx/L	16 mm	16 mm	100 mm	KV350	BU3550	BSCL09	CCMT09T3...
SCLCR20E	Dx/R	20 mm	20 mm	125 mm	KV401	BU4560	BSCL12	CCMT1204...
SCLCL20E	Sx/L	20 mm	20 mm	125 mm	KV401	BU4560	BSCL12	CCMT1204...
SCLCR25E	Dx/R	25 mm	25 mm	150 mm	KV401	BU4560	BSCL12	CCMT1204...
SCLCL25E	Sx/L	25 mm	25 mm	150 mm	KV401	BU4560	BSCL12	CCMT1204...

SSSCXE

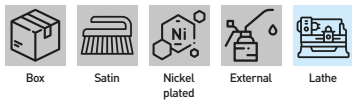
45° EXTERNAL TOOL HOLDER



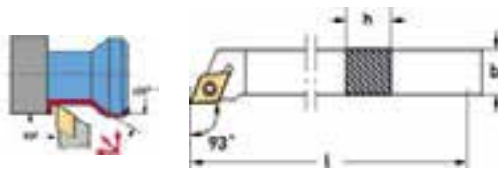
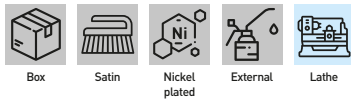
Art.	Side	b	h	l	Screw	Bushing	Base	Insert (not included)
SSSCR20E	Dx/R	20 mm	20 mm	125 mm	KV400	BU4560	BSSS12	SCMT1204...
SSSCL20E	Sx/L	20 mm	20 mm	125 mm	KV400	BU4560	BSSS12	SCMT1204...
SSSCR25E	Dx/R	25 mm	25 mm	150 mm	KV450	BU4560	BSSS12	SCMT1204...
SSSCL25E	Sx/L	25 mm	25 mm	150 mm	KV450	BU4560	BSSS12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

SVJBX

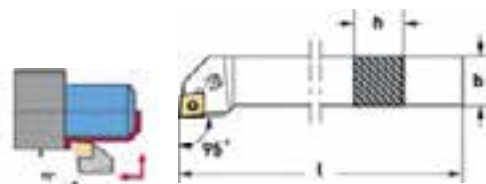
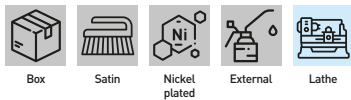
93° EXTERNAL TOOL HOLDER



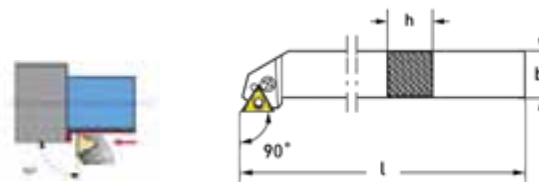
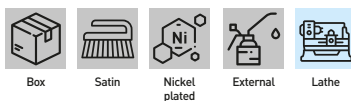
Art.	Side	b	h	l	Screw	Bushing	Base	Insert (not included)
SVJBR20	Dx/R	20 mm	20 mm	125 mm	KV350	BU3550	BSVJ16	VBMT1604...
SVJBL20	Sx/L	20 mm	20 mm	125 mm	KV350	BU3550	BSVJ16	VBMT1604...
SVJBR25	Dx/R	25 mm	25 mm	150 mm	KV350	BU3550	BSVJ16	VBMT1604...
SVJBL25	Sx/L	25 mm	25 mm	150 mm	KV350	BU3550	BSVJ16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


SDJCX
93° EXTERNAL TOOL HOLDER


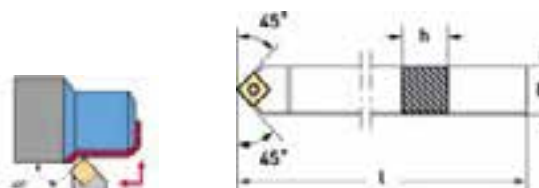
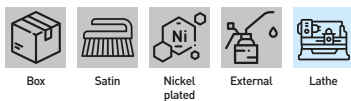
Art.	Side	b	h	l	Screw	Bushing	Base	Insert (not included)
SDJCR10	Dx/R	10 mm	10 mm	70 mm	KV250	-----	-----	DCMT0702...
SDJCR12	Dx/R	12 mm	12 mm	80 mm	KV250	-----	-----	DCMT0702...
SDJCR16	Dx/R	16 mm	16 mm	100 mm	KV250	-----	-----	DCMT0702...
SDJCR20	Dx/R	20 mm	20 mm	125 mm	KV350	BU3550	BSDJ11	DCMT11T3...
SDJCL20	Sx/L	20 mm	20 mm	125 mm	KV350	BU3550	BSDJ11	DCMT11T3...
SDJCR25	Dx/R	25 mm	25 mm	150 mm	KV350	BU3550	BSDJ11	DCMT11T3...
SDJCL25	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	Dx/R	16 mm	16 mm	100 mm	RICAPCLN	CNMG1204...
PCLNR20	Dx/R	20 mm	20 mm	125 mm	RICAPCLN	CNMG1204...
PCLNL20	Sx/L	20 mm	20 mm	125 mm	RICAPCLN	CNMG1204...
PCLNR25	Dx/R	25 mm	25 mm	150 mm	RICAPCLN	CNMG1204...
PCLNL25	Sx/L	25 mm	25 mm	150 mm	RICAPCLN	CNMG1204...

PTGNX
90° EXTERNAL TOOL HOLDER


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

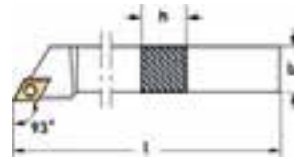
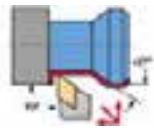
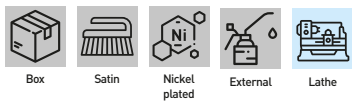
PSSNX
45° EXTERNAL TOOL HOLDER


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



CKJNX

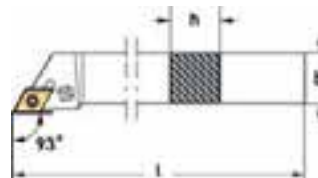
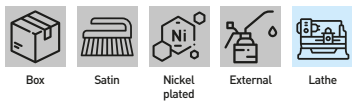
93° EXTERNAL TOOL HOLDER



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

PDJNX

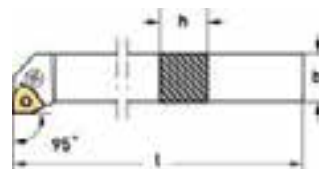
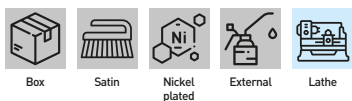
93° EXTERNAL TOOL HOLDER



Art.	Side	b	l	h	Spare parts	Insert (not included)
PDJNR20	Dx/R	20 mm	20 mm	125 mm	PDJNRKIT	DNMG1506...
PDJNR25	Dx/R	25 mm	25 mm	150 mm	PDJNRKIT	DNMG1506...
PDJNL25	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	Dx/R	20 mm	20 mm	125 mm	PWLNKIT	WNMG0804...
PWLN25	Dx/R	25 mm	25 mm	150 mm	PWLNKIT	WNMG0804...
PWLN25	Sx/L	25 mm	25 mm	150 mm	PWLNKIT	WNMG0804...

G007-

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

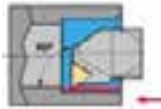
Diamond-shaped 45° for the execution of knurling for deformation in turning. Equipped with 2 spare wheels 0.8 mm pitch.



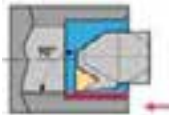
Art.	Spindle	Pitch
G007/16	16 mm	0,8 - 1,2 - 1,8 mm
G007/20	20 mm	0,8 - 1,2 - 1,8 mm

KISCLCR
SOLID BORING BAR SET 95°

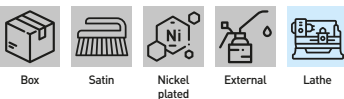

Int. tool holder	SCLCR08; SCLCR10; SCLCR12; SCLCR16
Bits	CCMT060204N x 10 Pcs
Torx key	T7 x 2 Pcs
Screw	T7 x 2,5 mm x 4 Pcs

KISTCMT
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°


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

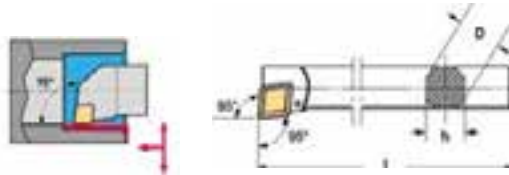
SSSCRX
45° INTERNAL TOOL HOLDER


Art.	D	h	t	Screw	Insert (not included)
SSSCR16	16 mm	15 mm	200 mm	KV400	SCMT09T3...
SSSCR20	20 mm	18 mm	250 mm	KV400	SCMT09T3...
SSSCR25	25 mm	22.5 mm	300 mm	KV400	SCMT09T3...



SCLCX

95° SOLID BORING BAR



Art.	Side	D	h	l	Screw	Insert (not included)
SCLCR08	Dx/R	8 mm	7 mm	125 mm	KV250	CCMT0602...
SCLCL08	Sx/L	8 mm	7 mm	125 mm	KV250	CCMT0602...
SCLCR10	Dx/R	10 mm	9 mm	140 mm	KV250	CCMT0602...
SCLCL10	Sx/L	10 mm	9 mm	140 mm	KV250	CCMT0602...
SCLCR12	Dx/R	12 mm	11 mm	160 mm	KV250	CCMT0602...
SCLCL12	Sx/L	12 mm	11 mm	160 mm	KV250	CCMT0602...
SCLCR16	Dx/R	16 mm	14,5 mm	180 mm	KV400	CCMT09T3...
SCLCL16	Sx/L	16 mm	14,5 mm	180 mm	KV400	CCMT09T3...
SCLCR20	Dx/R	20 mm	18 mm	200 mm	KV400	CCMT09T3...
SCLCL20	Sx/L	20 mm	18 mm	200 mm	KV400	CCMT09T3...
SCLCR25	Dx/R	25 mm	22,5 mm	250 mm	KV400	CCMT09T3...
SCLCL25	Sx/L	25 mm	22,5 mm	250 mm	KV400	CCMT09T3...
SCLCR32	Dx/R	32 mm	29 mm	300 mm	KV400	CCMT09T3...
SCLCL32	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	Dx/R	8 mm	7 mm	125 mm	KV250	TCMT1102...
STFCL08	Sx/L	8 mm	7 mm	125 mm	KV250	TCMT1102...
STFCR10	Dx/R	10 mm	9 mm	150 mm	KV250	TCMT1102...
STFCL10	Sx/L	10 mm	9 mm	150 mm	KV250	TCMT1102...
STFCR12	Dx/R	12 mm	11 mm	150 mm	KV250	TCMT1102...
STFCL12	Sx/L	12 mm	11 mm	150 mm	KV250	TCMT1102...
STFCR16	Dx/R	16 mm	14,5 mm	200 mm	KV250	TCMT1102...
STFCL16	Sx/L	16 mm	14,5 mm	200 mm	KV250	TCMT1102...
STFCR20	Dx/R	20 mm	18,5 mm	250 mm	KV250	TCMT1102...
STFCL20	Sx/L	20 mm	18,5 mm	250 mm	KV250	TCMT1102...
STFCR25	Dx/R	25 mm	22,5 mm	250 mm	KV350	TCMT16T3...
STFCL25	Sx/L	25 mm	22,5 mm	250 mm	KV350	TCMT16T3...
STFCR32	Dx/R	32 mm	29 mm	300 mm	KV350	TCMT16T3...
STFCL32	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	Dx/R	10 mm	9 mm	140 mm	KV250	DCMT0702...
SDUCL10	Sx/L	10 mm	9 mm	140 mm	KV250	DCMT0702...
SDUCR12	Dx/R	12 mm	11 mm	160 mm	KV250	DCMT0702...
SDUCL12	Sx/L	12 mm	11 mm	160 mm	KV250	DCMT0702...
SDUCR16	Dx/R	16 mm	15 mm	180 mm	KV250	DCMT0702...
SDUCL16	Sx/L	16 mm	15 mm	180 mm	KV250	DCMT0702...
SDUCR20	Dx/R	20 mm	18 mm	200 mm	KV350	DCMT11T3...
SDUCL20	Sx/L	20 mm	18 mm	200 mm	KV350	DCMT11T3...
SDUCR25	Dx/R	25 mm	23 mm	250 mm	KV350	DCMT11T3...
SDUCL25	Sx/L	25 mm	23 mm	250 mm	KV350	DCMT11T3...
SDUCR32	Dx/R	32 mm	30 mm	300 mm	KV350	DCMT11T3...
SDUCL32	Sx/L	32 mm	30 mm	300 mm	KV350	DCMT11T3...


MCLNX
95° SOLID BORING BAR


Box



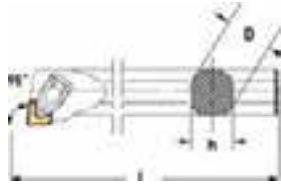
Burnished



External



Lathe



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

MTFNX
90° SOLID BORING BAR


Box



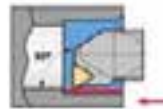
Burnished



External



Lathe



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

CTFPX
90° SOLID BORING BAR


Box



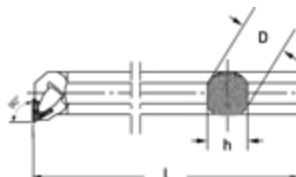
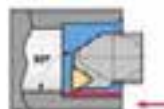
Burnished



External



Lathe

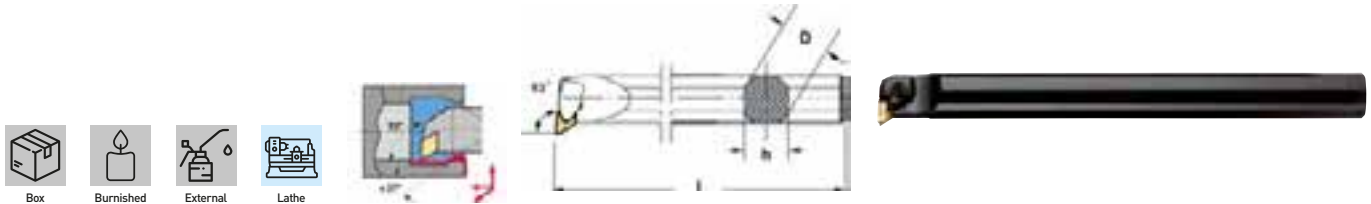


Art.	Side	D	h	l	Bracket	Base	Insert (not included)
CTFPR12	Dx/R	12 mm	11 mm	150 mm	CTFP10/12	-----	TPMR1103...
CTFPL12	Sx/L	12 mm	11 mm	150 mm	CTFP10/12	-----	TPMR1103...
CTFPR16	Dx/R	16 mm	15 mm	210 mm	CTMTMC16/20	-----	TPMR1103...
CTFPL16	Sx/L	16 mm	15 mm	210 mm	CTMTMC16/20	-----	TPMR1103...
CTFPR20	Dx/R	20 mm	18 mm	255 mm	CTMTMC16/20	-----	TPMR1603...
CTFPL20	Sx/L	20 mm	18 mm	255 mm	CTMTMC16/20	-----	TPMR1603...
CTFPR25	Dx/R	25 mm	23 mm	300 mm	CTMTMC25/32	CTFPBASE25/32	TPMR1603...
CTFPL25	Sx/L	25 mm	23 mm	300 mm	CTMTMC25/32	CTFPBASE25/32	TPMR1603...
CTFPR32	Dx/R	32 mm	30 mm	355 mm	CTMTMC25/32	CTFPBASE25/32	TPMR1603...
CTFPL32	Sx/L	32 mm	30 mm	355 mm	CTMTMC25/32	CTFPBASE25/32	TPMR1603...



CKUNR

93° SOLID BORING BAR

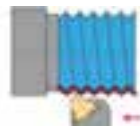


Art.	Side	D	h	l	Bracket	Screw	Base	Insert (not included)
CKUNR25	Dx/R	25 mm	23 mm	300 mm	STAFCKJNR	VITECKJN	BASECKJNR	KNUX1604...
CKUNR32	Dx/R	32 mm	30 mm	350 mm	STAFCKJNR	VITECKJN	BASECKJNR	KNUX1604...
CKUNR40	Dx/R	40 mm	37 mm	400 mm	STAFCKJNR	VITECKJN	BASECKJNR	KNUX1604...

KISER

EXTERNAL THREAD TOOL HOLDER

Consisting of external threading tool (1 Pc), M3.5 X 12 mm spare screw (1 Pc), 2.5 mm 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 - 3.00 mm (1 Pc each).

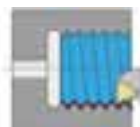


Art.	Ext. tool holder	Insert	Torx key	Screw	b	l	h
KISER	SER20	16ER...	T15	M3,5 x 12 mm	20 mm	20 mm	125 mm
KISER25	SER25	16ER...	T15	M3,5 x 12 mm	25 mm	25 mm	150 mm

KISNR

INTERNAL THREAD TOOL HOLDER

Consisting of internal threading tool (1 Pc), spare M3.5 X 12 mm screw (1 Pc), 2.5 mm 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 - 3.00 mm (1 Pc each).

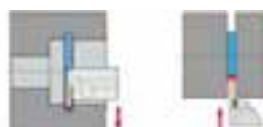


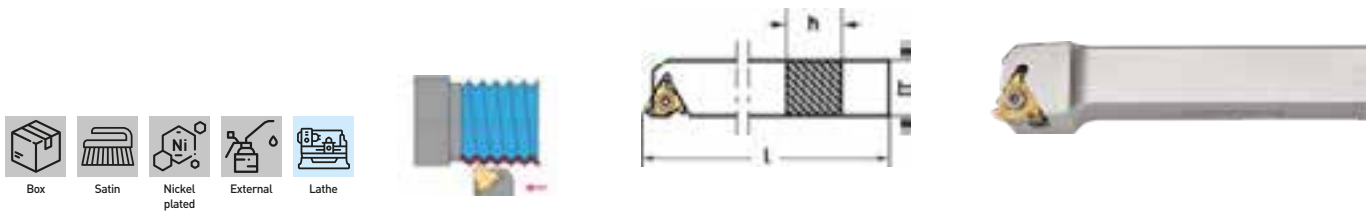
Art.	Int. tool holder	Insert	Torx key	Screw	D	h	l
KISNR	SNR20	16IR...	T15	M3.5 x 12 mm	20 mm	18 mm	200 mm
KISNR25	SNR25	16IR...	T15	M3.5 x 12 mm	25 mm	23 mm	200 mm

KICAN

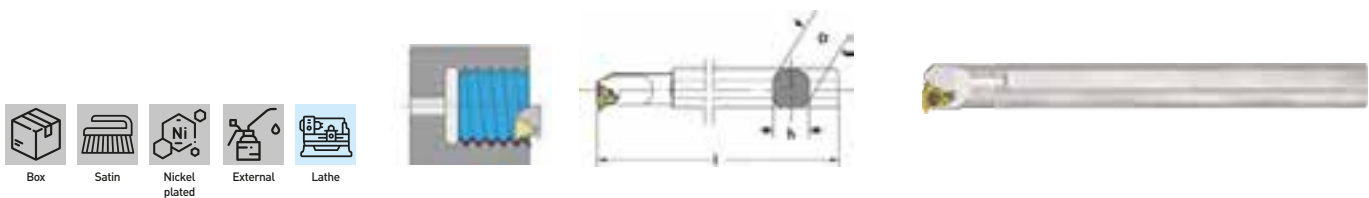
INTERNAL AND EXTERNAL GROOVING TOOL HOLDER SET

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

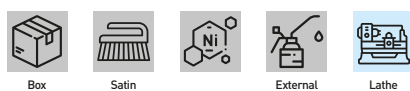
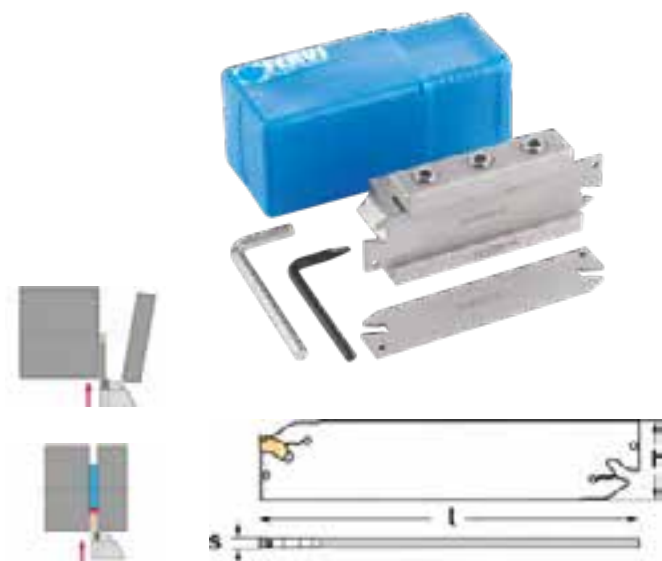



SERX
EXTERNAL THREAD TOOL HOLDER


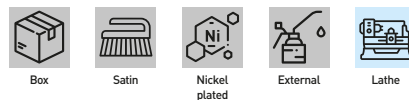
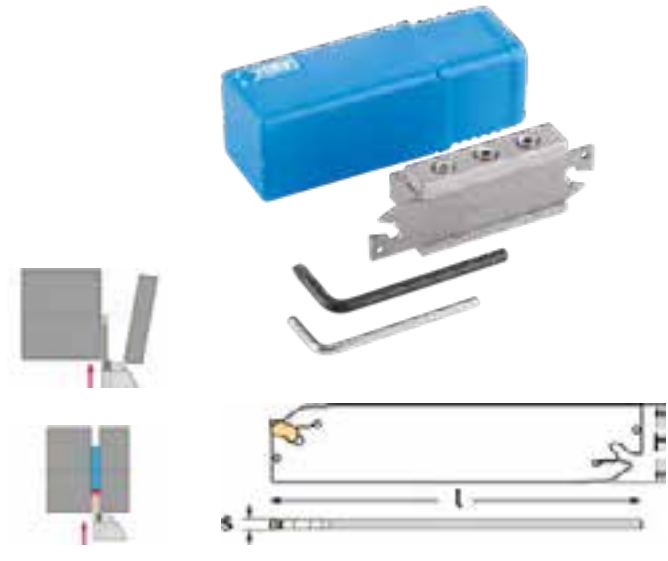
Art.	b	h	l	Base	Bushing	Screw	Insert (not included)
SER16	16 mm	16 mm	100 mm	-----	-----	KV350	16ER...
SER20	20 mm	20 mm	125 mm	BSER16	BU3550	KV350	16ER...
SER25	25 mm	25 mm	150 mm	BSER16	BU3550	KV350	16ER...

SNRX
INTERNAL THREAD TOOL HOLDER


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

T088
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

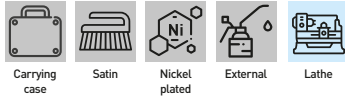
T089
TOOL CUTTING SET


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



T09X

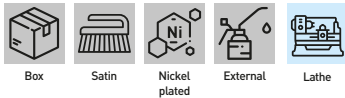
TOOL CUTTING SET



Art.	Set composition	S	h	l	Insert (not included)
T090	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	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	2 mm	25.75 mm	109 mm	GCMX2N...
SGIH26/3	3 mm	25.75 mm	109 mm	GCMX3N...
SGIH32/3	3 mm	31.75 mm	150 mm	GCMX3N...
SGIH32/4	4 mm	31 mm	150 mm	GCMX4N...
SGIH32/5	5 mm	31.75 mm	150 mm	GCMX5N...
SGIH19/2	2 mm	19.5 mm	85 mm	GCMX2N...

SGTBK

TOOL FOR EXTERNAL CUTTING - BLADE TOOL HOLDER



Art.	Spindle	Dimensions	Blade
SGTBK10	10 x 10 mm	56 x 25 x 30 mm	19 mm
SGTBK16	16 x 16 mm	87 x 38 x 33 mm	26 mm
SGTBK20	20 x 20 mm	100 x 38 x 45h mm	26 mm
SGTBK25	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 4 mm/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

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

Key

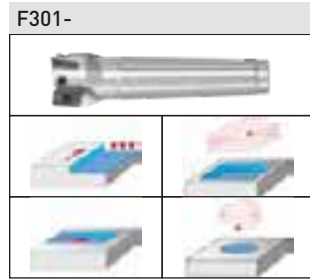
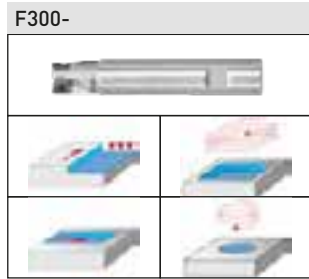
D_{cap} : Cutting diameter at effective cutting depth doc (mm)
 F_z : Feed per tooth (mm/tooth)
 Z_c : Number of effective milling machine teeth
 V_f : Table feed (mm/min)
 F_n : Feed per revolution (mm/tooth)
 doc : Cutting depth (mm)
 V_c : Cutting speed (m/min)
 n : Spindle rotation speed (mm/min)
 π : its value is 3.14



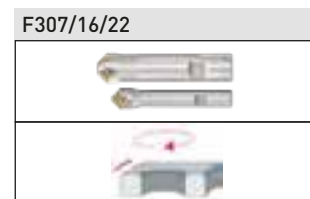
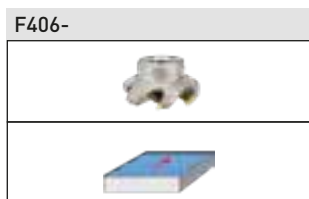


FERVI MILLING TOOLS TYPOLOGY

90° MILLING CUTTER



45° MILLING MACHINE

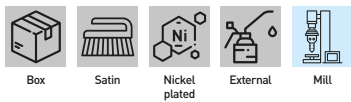


MILLING MACHINE FOR CONTOURING AND FLATTENING ROUND INSERTS

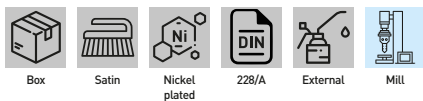



F300-
STRAIGHT SHANK FACE MILLING CUTTER

With cylindrical shank.



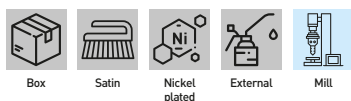
Art.	D	d	Z	L1	L2	Screw	Insert (not included)
F300/12	12 mm	12 mm	1	27 mm	120 mm	KV250	APKT1003...
F300/14	14 mm	12 mm	1	27 mm	120 mm	KV250	APKT1003..
F300/16	16 mm	16 mm	2	27 mm	120 mm	KV250	APKT1003...
F300/18	18 mm	16 mm	2	27 mm	120 mm	KV250	APKT1003...
F300/20	20 mm	20 mm	3	27 mm	120 mm	KV250	APKT1003...
F300/22	22 mm	20 mm	3	27 mm	120 mm	KV250	APKT1003...
F300/25	25 mm	20 mm	4	27 mm	120 mm	KV250	APKT1003...
F300/25/16	25 mm	20 mm	2	44 mm	120 mm	KV400	APKT1604...
F300/25/16L	25 mm	20 mm	2	44 mm	200 mm	KV400	APKT1604...
F300/32/16	32 mm	25 mm	3	50 mm	120 mm	KV400	APKT1604...
F300/32/16L	32 mm	32 mm	3	55 mm	200 mm	KV400	APKT1604...

F301-
STRAIGHT SHANK FACE MILLING CUTTER


Art.	D	MT	Z	L1	L2	Screw	Insert (not included)
F301/25	25 mm	3	2	40 mm	125 mm	KV400	APKT1604...
F301/32	32 mm	3	3	40 mm	125 mm	KV400	APKT1604...
F301/40	40 mm	3	4	35 mm	125 mm	KV400	APKT1604...
F301/32CM4	32 mm	4	3	45 mm	150 mm	KV400	APKT1604...
F301/40CM4	40 mm	4	4	40 mm	150 mm	KV400	APKT1604...

F306-
FACE MILLING CUTTER

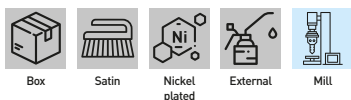
With front perforating cut for making slots, with cylindrical attachment. It allows you to make slots from solid.



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.



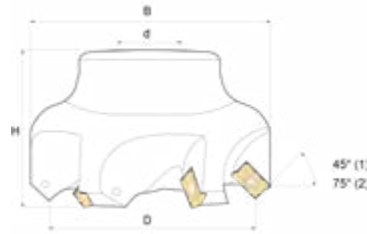
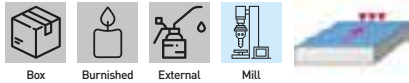
Art.	D	L	d	Z	Screw	Insert (not included)
F302/040	40 mm	40 mm	16 mm	4	KV400	APKT1604...
F302/050	50 mm	45 mm	22 mm	4	KV400	APKT1604...
F302/063	63 mm	50 mm	22 mm	6	KV400	APKT1604...
F302/080	80 mm	50 mm	27 mm	7	KV400	APKT1604...
F302/100	100 mm	50 mm	32 mm	8	KV400	APKT1604...



F304-

FACE MILLING CUTTER FOR BLIND SIDE'S INSERT

With sleeve connection.



Art.	D	H	B	d	Z	Screw	Insert (not included)
F304/063	63 mm	42 mm	71.2 mm	22 mm	6	KV250	APKT1003...
F304/080	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	25 mm	20 mm	2	35 mm	110 mm	KV400	ADLT1503...
F402/32	32 mm	25 mm	3	35 mm	120 mm	KV400	ADLT1503...
F402/25L	25 mm	25 mm	2	35 mm	200 mm	KV400	ADLT1503...
F402/32L	32 mm	25 mm	3	35 mm	200 mm	KV400	ADLT1503...

F401-

FACE MILLING CUTTER



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

F400-

FACE MILLING CUTTER

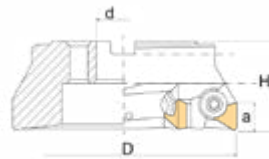
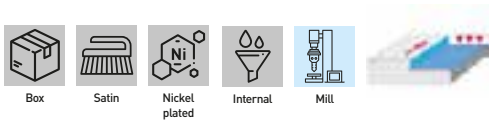
With sleeve connection, recommended for use on machines with medium power



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


F256-
FACE MILLING

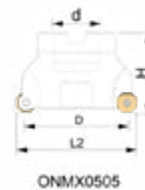
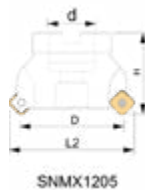
With sleeve connection, recommended for use on machines with medium power.



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

F407-
MILLING CUTTER WITH NEGATIVE INSERTS FOR FACE MILLING

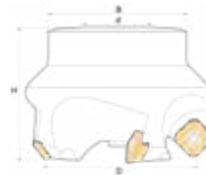
With sleeve connection, recommended for use on machines with medium/high power.



Art.	D	H	L2	d	Z	Screw	Insert (not included)
F407/050	50	40	63	22	4	KV401	ONMX1205... - SNMX1205...
F407/100	100	50	113	32	8	KV401	ONMX1205... - SNMX1205...

F303-
FACE MILLING CUTTER

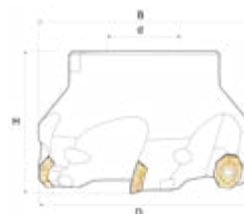
With sleeve connection, recommended for use on machines with medium power.



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



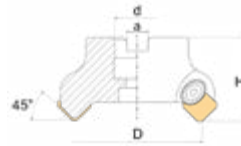
Art.	D	H	L2	d	Z	Screw	Insert (not included)
F308/063	63 mm	40 mm	68 mm	22 mm	5	KV400	OFEX05T3...
F308/080	80 mm	50 mm	86 mm	27 mm	6	KV400	OFEX05T3...
F308/100	100 mm	50 mm	106 mm	32 mm	7	KV400	OFEX05T3...



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	40 mm	48 mm	8,4 mm	16 mm	3	VT00440	WSSP	SEKN1203...
F406/50	50 mm	48 mm	10,4 mm	22 mm	4	VT00440	WSSP	SEKN1203...
F406/63	63 mm	48 mm	12,4 mm	22 mm	5	VT00440	WSSP	SEKN1203...
F406/80	80 mm	50 mm	14,4 mm	27 mm	5	VT00440	WSSP	SEKN1203...
F406/100	100 mm	50 mm	16,4 mm	32 mm	6	VT00440	WSSP	SEKN1203...

F307/16/22

INSERTS COUNTER SINKS SET

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



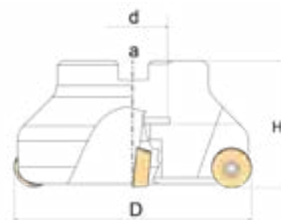
D	16 / 22 mm
d	12 / 20 mm
L1	7 mm
L2	90 / 100 mm
Z	1 / 2
Screw	KV250
Insert (not included)	TCMT1102



F403-

FACE MILLING CUTTER

With sleeve connection.



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


BSTG16

SET 5 BASES
16 MM


BU3550

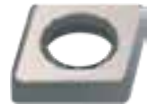
5 BUSHING
SET


BSCL09

SET 5 BASES
9 MM


BSCL12

SET 5 BASES
12 MM


BU4560

5 BUSHING
SET


BSSS12

5 SQUARE
BASES 12 MM


BSVJ16

SET 5 BASES
16 MM


BSDJ11

5 RHOMBIC
BASES 11MM


BU4050

5 BUSHING
SET


RICAPCLN

BASE
BRACKET
SCREW KIT


RICAPTGN

BASE
BRACKET
SCREW KIT


RICAPSSN

BASE
BRACKET
SCREW KIT


STAFCKJNR

RIGHT TOOL
BRACKET


STAFCKJNL

LEFT TOOL
BRACKET


BASECKJNR

CARBIDE BASE
RIGHT TOOL


BASECKJNL

CARBIDE BASE
LEFT TOOL


VITECKJN

TOOL SCREW


PDJNRKIT

KIT PARTS


PWLNRRKIT

BASE
BRACKET
SCREW KIT


MCLNBASE25/32

BASE


CTMTMC16/20

TOOL
BRACKET 16
- 20


CTMTMC25/32

TOOL
BRACKET 25
- 32


MTFNBASE25/32

BASE


CTFP10/12

TOOL
BRACKET


CTFPBASE25/32

BASE
For 25 - 32.


BSER16

5 CARBIDE
BASE 16 MM


VT00440

5 PCS MILL
SCREWS


BSNR16

5 CARBIDES
16 mm.


F256/648

MILL SCREW
080/125


KVX

SCREWS 10 PCS


F256/644

MILL SCREW
040/063


WSSP

BASE



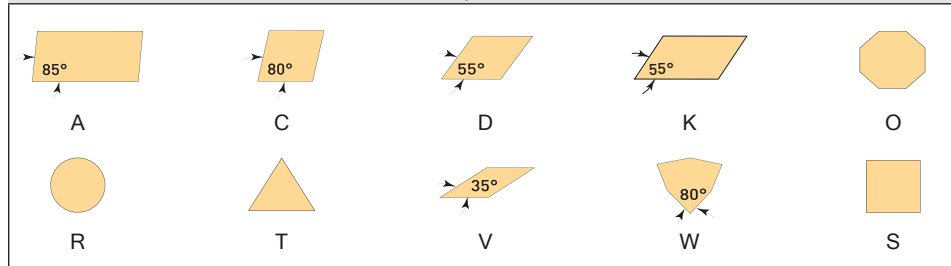
Art.	Screw
KV200	T8 / M2
KV250	T8 / M2,5
KV300	T15 / M3
KV350	T15 / M3,5
KV400	T15 / M4
KV401	T20 / M4
KV450	T15 / M4,5
KV500	T20 / M5



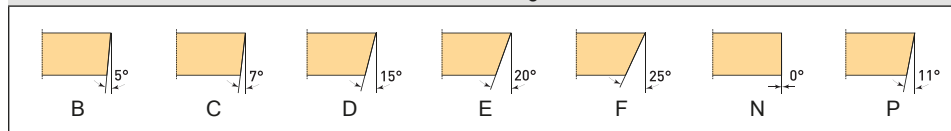
IDENTIFICATION OF TURNING AND MILLING INSERTS

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

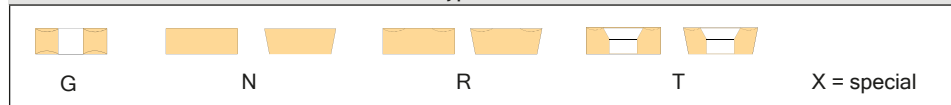
1 - Shape of insert



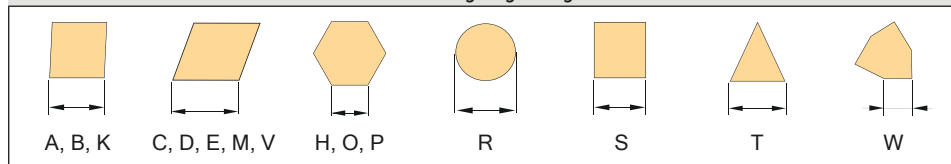
2 - Relief angle



4 - Type of insert



5 - Cutting edge length



7 - Radius

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

3 - Tolerance

	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 - 3 mm
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 - 3 mm)	(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

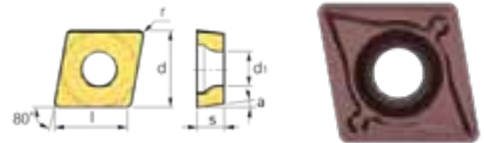
Positive.



Art.	Dimensions	d	l	S	r	d1	a°	Pack
CCMT060204N	6 mm	6.35 mm	6.30 mm	2.38 mm	0.40 mm	2.80 mm	7°	10
CCMT09T304N	9 mm	9.52 mm	9.70 mm	3.97 mm	0.40 mm	4.40 mm	7°	10
CCMT09T308N	9 mm	9.52 mm	9.70 mm	3.97 mm	0.80 mm	4.40 mm	7°	10
CCMT120408N	12 mm	12.70 mm	12.90 mm	4.76 mm	0.80 mm	5.50 mm	7°	10

CCMTXA
TURNING INSERTS

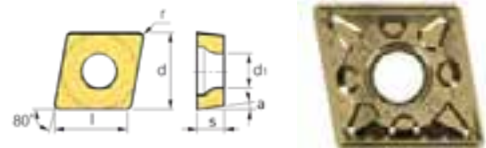
Positive.



Art.	Dimensions	d	l	S	r	d1	a°	Pack
CCMT06020420A	6 mm	6.35 mm	6.30 mm	2.38 mm	0.40 mm	2.80 mm	7°	10
CCMT09T30420A	9 mm	9.52 mm	9.70 mm	3.97 mm	0.40 mm	4.40 mm	7°	10
CCMT09T30820A	9 mm	9.52 mm	9.70 mm	3.97 mm	0.80 mm	4.40 mm	7°	10
CCMT12040820A	12 mm	12.70 mm	12.90 mm	4.76 mm	0.80 mm	5.50 mm	7°	10

CNMGX
TURNING INSERTS

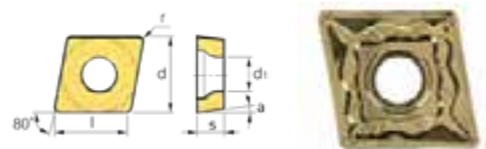
Negative.



Art.	Dimensions	d	l	S	r	d1	a°	Pack
CNMG120404N	12 mm	12.70 mm	12.90 mm	4.76 mm	0.40 mm	5.16 mm	-	10
CNMG120408N	12 mm	12.70 mm	12.90 mm	4.76 mm	0.80 mm	5.16 mm	-	10

CNMGXF15
TURNING INSERTS

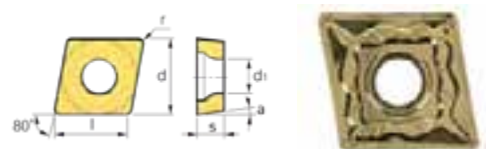
Negative.



Art.	Dimensions	d	l	S	r	d1	a°	Pack
CNMG120404F15	12 mm	12.70 mm	12.90 mm	4.76 mm	0.40 mm	5.16 mm	-	10

CNMGXF25
TURNING INSERTS

Negative.



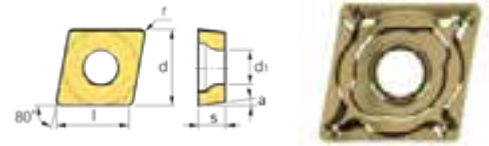
Art.	Dimensions	d	l	S	r	d1	a°	Pack
CNMG120404F25	12 mm	12.70 mm	12.90 mm	4.76 mm	0.40 mm	5.16 mm	-	10



CNMGXM25

TURNING INSERTS

Negative.

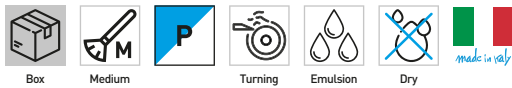
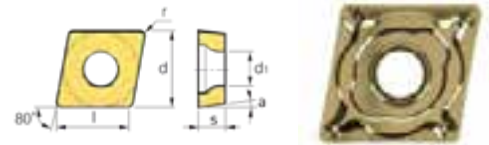


Art.	Dimensions	d	l	S	r	d1	a°	Pack
CNMG120408M25	12 mm	12.70 mm	12.90 mm	4.76 mm	0.80 mm	5.16 mm	-	10

CNMGXM35

TURNING INSERTS

Negative.

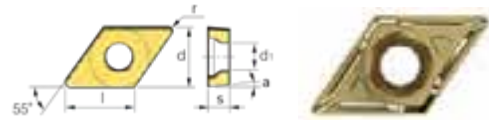


Art.	Dimensions	d	l	S	r	d1	a°	Pack
CNMG120408M35	12 mm	12.70 mm	12.90 mm	4.76 mm	0.80 mm	5.16 mm	-	10

DCMTX

TURNING INSERTS

Positive.

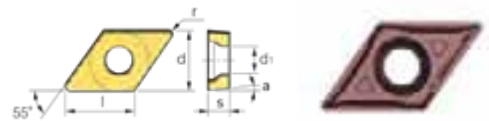


Art.	Dimensions	d	l	S	r	d1	a°	Pack
DCMT070204N	7 mm	6.35 mm	7.70 mm	2.38 mm	0.40 mm	2.80 mm	7°	10
DCMT11T304N	11 mm	9.52 mm	11.60 mm	3.97 mm	0.40 mm	2.20 mm	7°	10

DCMTXA

TURNING INSERTS

Positive.

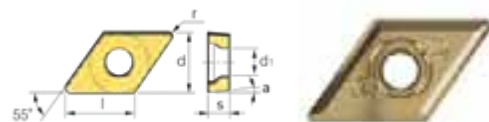


Art.	Dimensions	d	l	S	r	d1	a°	Pack
DCMT07020420A	7 mm	6.35 mm	7.70 mm	2.38 mm	0.40 mm	2.80 mm	7°	10
DCMT11T30420A	11 mm	9.52 mm	11.60 mm	3.97 mm	0.40 mm	2.20 mm	7°	10

DNMGX

TURNING INSERTS

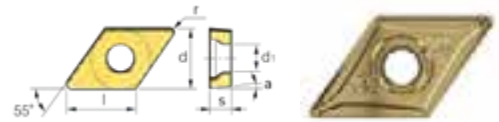
Negative.



Art.	Dimensions	d	l	S	r	d1	a°	Pack
DNMG150608N	15 mm	12.70 mm	15.50 mm	6.35 mm	0.80 mm	5.20 mm	-	10

DNMGXM25
TURNING INSERTS

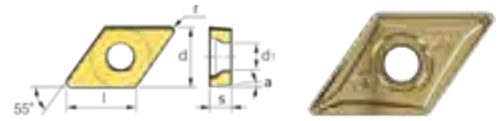
Negative.



Art.	Dimensions	d	l	S	r	d1	a°	Pack
DNMG150608M25	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	15 mm	12.70 mm	15.50 mm	6.35 mm	0.80 mm	5.20 mm	-	10

KNUX
TURNING INSERTS

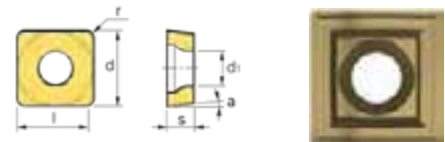
Positive.



Art.	Dimensions	d	l	S	r	a°	Pack
KNUX160405RN	16 mm	9.52 mm	19.72 mm	4.76 mm	0.50 mm	-	10
KNUX160410RN	16 mm	9.52 mm	19.72 mm	4.76 mm	1.00 mm	-	10
KNUX160405LN	16 mm	9.52 mm	19.72 mm	4.76 mm	0.50 mm	-	10
KNUX160410LN	16 mm	9.52 mm	19.72 mm	4.76 mm	1.00 mm	-	10

SCMTX
TURNING INSERTS

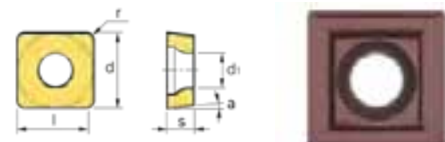
Positive.



Art.	Dimensions	d	l	S	r	d1	a°	Pack
SCMT09T304N	9 mm	9.52 mm	9.52 mm	3.97 mm	0.40 mm	4.40 mm	7°	10
SCMT09T308N	9 mm	9.52 mm	9.52 mm	3.97 mm	0.80 mm	4.40 mm	7°	10
SCMT120408N	12 mm	12.70 mm	12.70 mm	4.76 mm	0.80 mm	5.50 mm	7°	10

SCMTXA1
TURNING INSERTS

Positive.



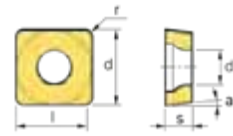
Art.	Dimensions	d	l	S	r	d1	a°	Pack
SCMT09T30420A	9 mm	9.52 mm	9.52 mm	3.97 mm	0.40 mm	4.40 mm	7°	10



SCMTXA2

TURNING INSERTS

Positive.

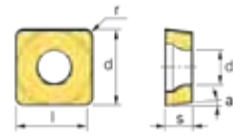


Art.	Dimensions	d	l	S	r	d1	a°	Pack
SCMT09T30820A	9 mm	9.52 mm	9.52 mm	3.97 mm	0.80 mm	4.40 mm	7°	10

SCMTXA3

TURNING INSERTS

Positive.

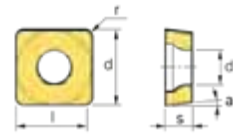


Art.	Dimensions	d	l	S	r	d1	a°	Pack
SCMT12040820A	12 mm	12.70 mm	12.70 mm	4.76 mm	0.80 mm	5.50 mm	7°	10

SNMGXF15

TURNING INSERTS

Negative.

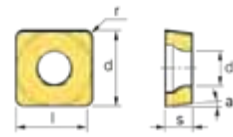


Art.	Dimensions	d	l	S	r	d1	a°	Pack
SNMG120404F15	12 mm	12.70 mm	12.70 mm	4.76 mm	0.40 mm	5.16 mm	-	10

SNMGXF25

TURNING INSERTS

Negative.

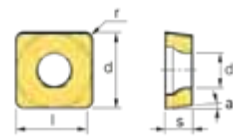


Art.	Dimensions	d	l	S	r	d1	a°	Pack
SNMG120404F25	12 mm	12.70 mm	12.70 mm	4.76 mm	0.40 mm	5.16 mm	-	10

SNMGXM25

TURNING INSERTS

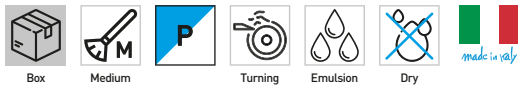
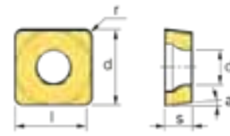
Negative.



Art.	Dimensions	d	l	S	r	d1	a°	Pack
SNMG120408M25	12 mm	12.70 mm	12.70 mm	4.76 mm	0.80 mm	5.16 mm	-	10

SNMGXM35
TURNING INSERTS

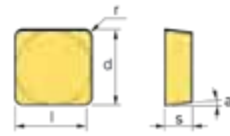
Negative.



Art.	Dimensions	d	l	S	r	d1	a°	Pack
SNMG120408M35	12 mm	12.70 mm	12.70 mm	4.76 mm	0.80 mm	5.16 mm	-	10

SPMRX
TURNING INSERTS

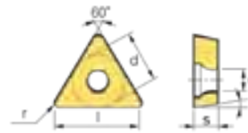
Positive.



Art.	Dimensions	d	l	S	r	d1	a°	Pack
SPMR120304N	12 mm	12.70 mm	12.70 mm	3.18 mm	0.40 mm	11°	10	
SPMR120308N	12 mm	12.70 mm	12.70 mm	3.18 mm	0.80 mm	11°	10	

TCMTX
TURNING INSERTS

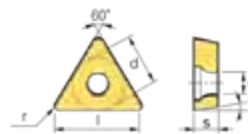
Positive.



Art.	Dimensions	d	l	S	r	d1	a°	Pack
TCMT090204N	9 mm	3.40 mm	9.63 mm	2.38 mm	0.40 mm	2.50 mm	7°	10
TCMT110204N	11 mm	6.35 mm	11.00 mm	2.38 mm	0.40 mm	2.80 mm	7°	10
TCMT16T304N	16 mm	9.52 mm	16.50 mm	3.97 mm	0.40 mm	4.40 mm	7°	10
TCMT16T308N	16 mm	9.52 mm	16.50 mm	3.97 mm	0.80 mm	4.40 mm	7°	10

TCMTXA
TURNING INSERTS

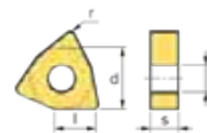
Positive.



Art.	Dimensions	d	l	S	r	d1	a°	Pack
TCMT09020420A	9 mm	3.40 mm	9.63 mm	2.38 mm	0.40 mm	2.50 mm	7°	10
TCMT11020420A	11 mm	6.35 mm	11.00 mm	2.38 mm	0.40 mm	2.80 mm	7°	10
TCMT16T30420A	16 mm	9.52 mm	16.50 mm	3.97 mm	0.40 mm	4.40 mm	7°	10
TCMT16T30820A	16 mm	9.52 mm	16.50 mm	3.97 mm	0.80 mm	4.40 mm	7°	10

WNMGX
TURNING INSERTS

Negative.



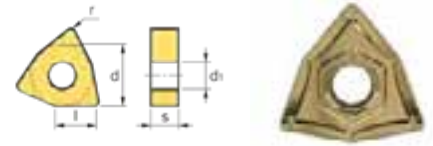
Art.	Dimensions	d	l	S	r	d1	a°	Pack
WNMG080408N	8 mm	12.70 mm	8.70 mm	4.76 mm	0.80 mm	5.10 mm	-	10



WNMGXM25

TURNING INSERTS

Negative.

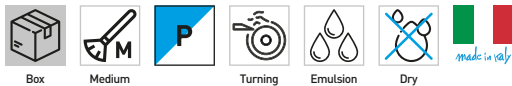
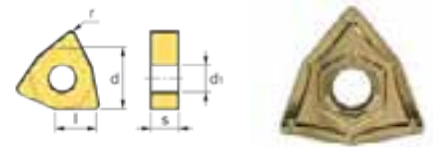


Art.	Dimensions	d	l	S	r	d1	a°	Pack
WNMG080408M25	8 mm	12.70 mm	8.70 mm	4.76 mm	0.80 mm	5.10 mm	-	10

WNMGXM35

TURNING INSERTS

Negative.

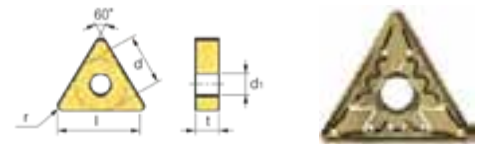


Art.	Dimensions	d	l	S	r	d1	a°	Pack
WNMG080408M35	8 mm	12.70 mm	8.70 mm	4.76 mm	0.80 mm	5.10 mm	-	10

TNMGX

TURNING INSERTS

Negative.

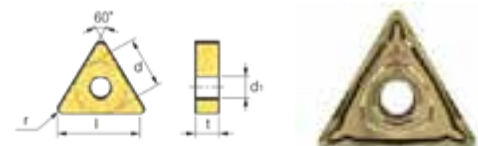


Art.	Dimensions	d	l	S	r	d1	a°	Pack
TNMG160404N	16 mm	9.52 mm	16.50 mm	4.76 mm	0.40 mm	3.81 mm	-	10
TNMG160408N	16 mm	9.52 mm	16.50 mm	4.76 mm	0.80 mm	3.81 mm	-	10
TNMG220408N	22 mm	12.70 mm	18.25 mm	4.76 mm	0.80 mm	5.16 mm	-	10

TNMGXF15

TURNING INSERTS

Negative.

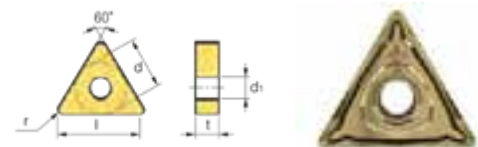


Art.	Dimensions	d	l	S	r	d1	a°	Pack
TNMG160404F15	16 mm	9.52 mm	16.50 mm	4.76 mm	0.40 mm	3.81 mm	-	10

TNMGXF25

TURNING INSERTS

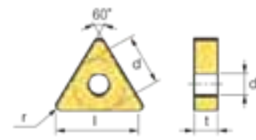
Negative.



Art.	Dimensions	d	l	S	r	d1	a°	Pack
TNMG160404F25	16 mm	9.52 mm	16.50 mm	4.76 mm	0.40 mm	3.81 mm	-	10

TNMGXM25
TURNING INSERTS

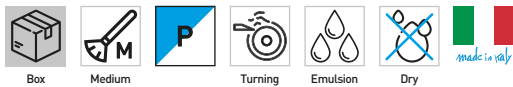
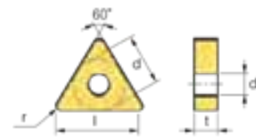
Negative.



Art.	Dimensions	d	l	S	r	d1	a°	Pack
TNMG160408M25	16 mm	9.52 mm	16.50 mm	4.76 mm	0.80 mm	3.81 mm	-	10

TNMGXM35
TURNING INSERTS

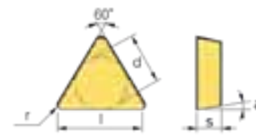
Negative.



Art.	Dimensions	d	l	S	r	d1	a°	Pack
TNMG160408M35	16 mm	9.52 mm	16.50 mm	4.76 mm	0.80 mm	3.81 mm	-	10

TPMRX
TURNING INSERTS

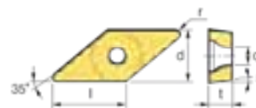
Positive.



Art.	Dimensions	d	l	S	r	a°	Pack
TPMR110304N	11 mm	5.98 mm	10.37 mm	3.18 mm	0.40 mm	11°	10
TPMR110308N	11 mm	5.98 mm	10.37 mm	3.18 mm	0.80 mm	11°	10
TPMR160304N	16 mm	9.23 mm	16 mm	3.18 mm	0.40 mm	11°	10
TPMR160308N	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	16 mm	9.52 mm	16.60 mm	4.76 mm	0.40 mm	4.40 mm	5°	10

VBMTXA

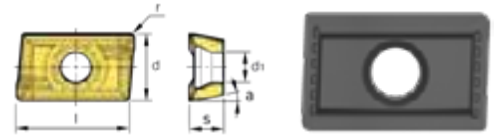

Art.	Dimensions	d	l	S	r	d1	a°	Pack
VBMT16040420A	16 mm	9.52 mm	16.60 mm	4.76 mm	0.40 mm	4.40 mm	5°	10



ADLTXA

MILLING INSERTS

90°.

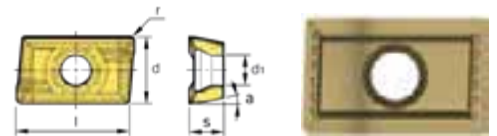


Art.	Dimensions	d	l	S	r	d1	a°	Pack
ADLT150308R20A	15 mm	9.52 mm	14.5 mm	3.18 mm	0.80 mm	4.50 mm	15°	10

ADLTX

MILLING INSERTS

90°.

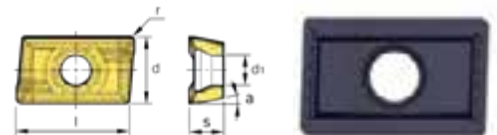


Art.	Dimensions	d	l	S	r	d1	a°	Pack
ADLT1503ZZR234	15 mm	9.52 mm	14.50 mm	3.18 mm	0.80 mm	4.50 mm	15°	10

ADLTXA1

MILLING INSERTS

90°.

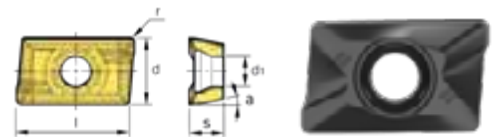


Art.	Dimensions	d	l	S	r	d1	a°	Pack
ADLT1503ZZR20A	15 mm	9.52 mm	14.50 mm	3.18 mm	0.80 mm	4.50 mm	15°	10

APKTX

MILLING INSERTS

90°.



Art.	Dimensions	d	l	S	r	d1	a°	Pack
APKT1003PDER20A	10 mm	6.70 mm	10.00 mm	3.18 mm	0.50 mm	3.20 mm	11°	10
APKT1604PDER20A	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	5 mm	12.80 mm	3.70 mm	3.97 mm	0.50 mm	4.56 mm	25°	10

OFEXXA
MILLING INSERTS

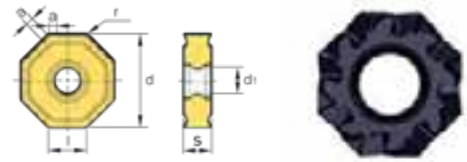
45°.



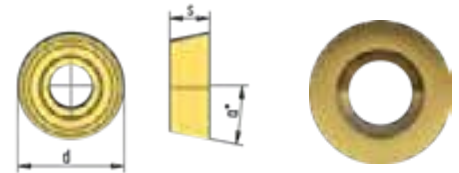
Art.	Dimensions	d	l	S	r	d1	a°	Pack
OFEX05T30520A	5 mm	12.80 mm	3.70 mm	3.97 mm	0.50 mm	4.56 mm	25°	10

ONMXXA
MILLING INSERTS

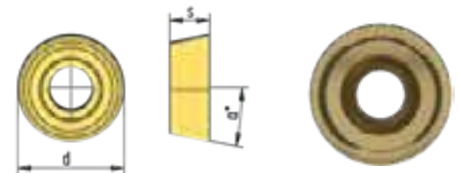
45°.



Art.	Dimensions	d	l	S	d1	a°	Pack
ONMX120520A	12 mm	12.70 mm	1.50 mm	5.56 mm	6.00 mm	-	10

RDHTX
MILLING INSERTS


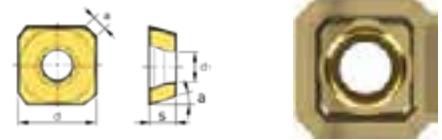
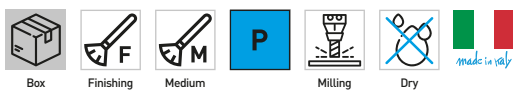
Art.	Dimensions	d	S	a°	Pack
RDHT10T3M0-N	10 mm	10 mm	3.97 mm	15°	10

RPMTX
MILLING INSERTS


Art.	Dimensions	d	S	a°	Pack
RPMT1204N	12 mm	12 mm	4.76 mm	11°	10

SEHTX
MILLING INSERTS

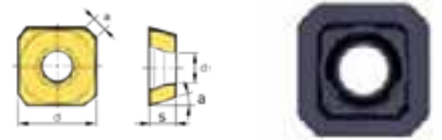
45°.



Art.	Dimensions	d	a	S	d1	a°	Pack
SEHT1204AFN234	12 mm	12.70 mm	1.80 mm	4.76 mm	5.50 mm	20°	10

SEHTXA
MILLING INSERTS

45°.



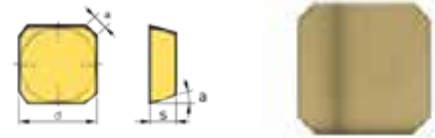
Art.	Dimensions	d	a	S	d1	a°	Pack
SEHT1204AFN20A	12 mm	12.70 mm	1.80 mm	4.76 mm	5.50 mm	20°	10



SEKNX

MILLING INSERTS

45°.

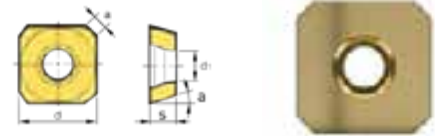


Art.	Dimensions	d	a	S	a°	Pack
SEKN1203AFN25	12 mm	12.70 mm	1.80 mm	3.18 mm	20°	10

SEHXX

MILLING INSERTS

45°.

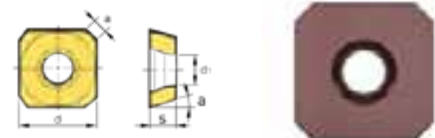


Art.	Dimensions	d	a	S	d1	a°	Pack
SEHX1204234	12 mm	12.70 mm	1.80 mm	4.76 mm	5.50 mm	20°	10

SEHXXA

MILLING INSERTS

45°.



Art.	Dimensions	d	a	S	d1	a°	Pack
SEHX120420A	12 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 mm	12.70 mm	1.80 mm	5.56 mm	6.00 mm	-	10

SPKNX

MILLING INSERTS



Art.	Dimensions	l	a	S	a°	Pack
SPKN1203R25	12 mm	12.7 mm	1.40 mm	3.18 mm	11°	10

TPKNX

MILLING INSERTS



Art.	Dimensions	d	l	a	S	a°	Pack
TPKN1603R25	16 mm	9.52 mm	16.50 mm	1.47 mm	3.18 mm	11°	10
TPKN2204R25	22 mm	12.70 mm	22.00 mm	1.47 mm	4.76 mm	11°	10

16IRX
INTERNAL THREAD INSERTS

ISO 9



Art.	Thread	Pack
11IRA55134	Whitworth 28 - 11 TPI	10
11IRA60134	Metric 0.2 - 3 mm	10
16IR100ISO134	P. Metric 1 mm	10
16IR125ISO134	P. Metric 1.25 mm	10
16IR150ISO134	P. Metric 1.50 mm	10
16IR175ISO134	P. Metric 1.75 mm	10
16IR200ISO134	P. Metric 2.00 mm	10
16IR250ISO134	P. Metric 2.50 mm	10
16IR300ISO134	P. Metric 3.00 mm	10
16IRAG60134	Metric 0.2 - 3 mm	10
16IR14W134	Whitworth 14 TPI	10
16IR11W134	Whitworth 11 TPI	10
16IRAG55134	Whitworth 28 - 11 TPI	10

GCMX
CUTTING INSERTS

ISO 6



Art.	d	r	Pack
GCMX2N134	2.20 mm	0.20 mm	10
GCMX3N134	3.10 mm	0.20 mm	10
GCMX4N134	4.10 mm	0.20 mm	10
GCMX5N134	5.10 mm	0.30 mm	10

165X
GROOVE INSERTS


Art.	Thickness	Pack
165110134	1.10 mm	10
165130134	1.30 mm	10
165160134	1.60 mm	10
165185134	1.85 mm	10
165215134	2.15 mm	10
165265134	2.65 mm	10
165315134	3.15 mm	10

16ERX
EXTERNAL THREAD INSERTS


Art.	Thread	Pack
16ER100ISO134	P. Metric 1 mm	10
16ER125ISO134	P. Metric 1.25 mm	10
16ER150ISO134	P. Metric 1.50 mm	10
16ER175ISO134	P. Metric 1.75 mm	10
16ER200ISO134	P. Metric 2.00 mm	10
16ER250ISO134	P. Metric 2.50 mm	10
16ER300ISO134	P. Metric 3.00 mm	10
16ERAG60134	Metric 0.2 - 3 mm	10
16ER14W134	Whitworth 14 TPI	10
16ER11W134	Whitworth 11 TPI	10
16ERAG55134	Whitworth 28 - 11 TPI	10

GCMXA
CUTTING INSERTS

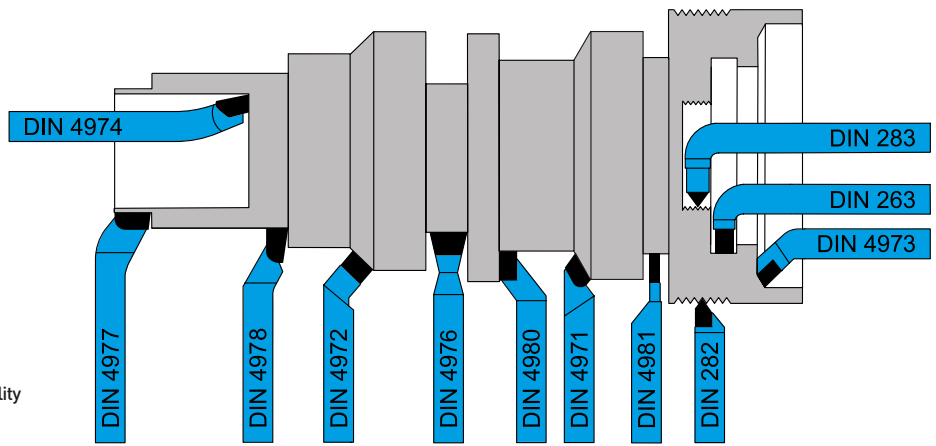
ISO 2



Art.	d	r	Pack
GCMX2N20A	2.20 mm	0.20 mm	10
GCMX3N20A	3.10 mm	0.20 mm	10
GCMX4N20A	4.10 mm	0.20 mm	10
GCMX5N20A	5.10 mm	0.30 mm	10

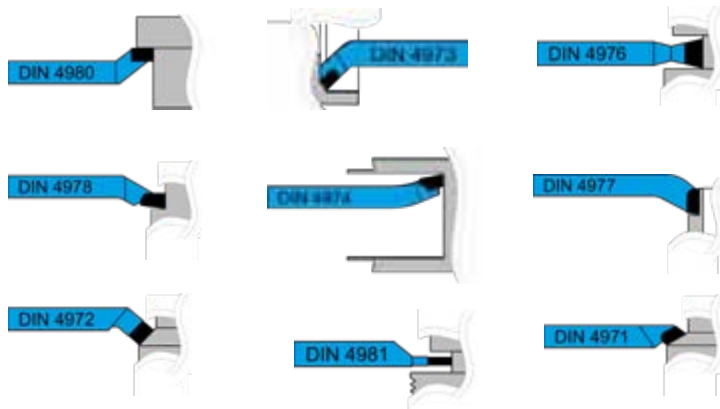


FERVI CARBIDE TIPPED LATHE IDENTIFICATION



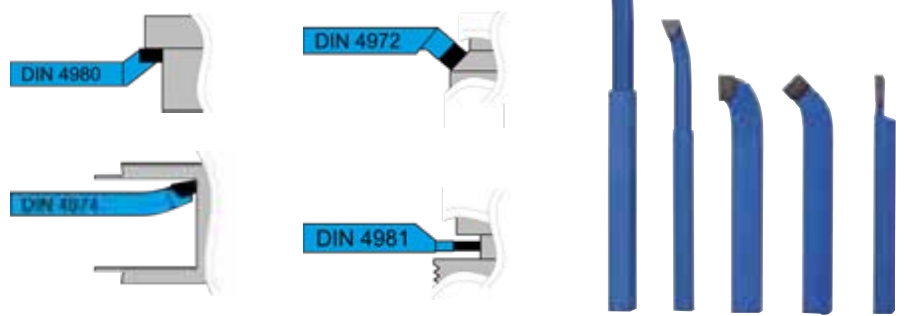
Explore our wide selection of brazed with heat-welded inserts and select the most suitable model based on the specific processing you need to perform. With our comprehensive range, we guarantee versatile, high-quality solutions to meet your needs.

BR10- CARBIDE TIPPED LATHE TOOL SET NEW



Art.	Dimensions
BR10/10	10 x 10 x L150 mm (ISO 8 DIN 4973, ISO 9 DIN 4974) 10 x 10 x L90 mm (ISO 1 DIN 4971, ISO 2 DIN 4972, ISO 6R DIN 4980, ISO 6L DIN 4980, ISO 7 DIN 4981) 6 x 10 x L90 mm (ISO 3R DIN 4978, ISO 4 DIN 4976, ISO 5 DIN 4977)
BR10/12	12 x 12 x L180 mm (ISO 8 DIN 4973, ISO 9 DIN 4974) 12 x 12 x L100 mm (ISO 1 DIN 4971, ISO 2 DIN 4972, ISO 6R DIN 4980, ISO 6L DIN 4980) 8 x 12 x L100 mm (ISO 3R DIN 4978, ISO 4 DIN 4976, ISO 5 DIN 4977, ISO 7 DIN 4981)

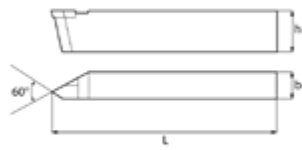
B005- CARBIDE TIPPED LATHE TOOL SET



Art.	Kit
B005	1BRAS411108RP - 1BRAS411110RP - 1BRAS410312RP - 1BRAS410412RP - 1BRAS410912RP
B005/16	1BRAS411110RP - 1BRAS411112RP - 1BRAS410316RP - 1BRAS410416RP - 1BRAS410916RP
B005/20	1BRAS411112RP - 1BRAS411116RP - 1BRAS410320RP - 1BRAS410420RP - 1BRAS410920RP

BRFEX
CARBIDE TIPPED TOOL FOR EXTERNAL THREAD

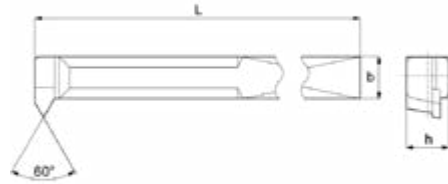
For the execution of all external 60° threads.



Art.	L	b	h
BRFE12RP	90 mm	12 mm	12 mm
BRFE16RP	100 mm	16 mm	16 mm
BRFE20RP	125 mm	20 mm	20 mm
BRFE25RP	140 mm	25 mm	25 mm

BRFIX
CARBIDE TIPPED TOOL FOR INTERNAL THREAD

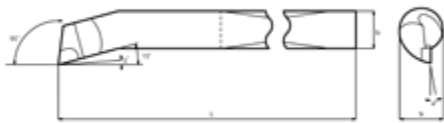
For the execution of all internal 60° threads.



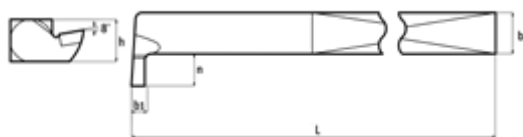
Art.	€	L	b	h
BRFI10RP	€ 9,60	150 mm	10 mm	10 mm
BRFI12RP	€ 10,40	180 mm	12 mm	12 mm
BRFI16RP	€ 12,90	210 mm	16 mm	16 mm
BRFI20RP	€ 13,40	250 mm	20 mm	20 mm
BRFI25RP	€ 16,70	300 mm	25 mm	25 mm

BRAS4111X
CARBIDE TIPPED TOOL FOR BLIND HOLES

ISO 9



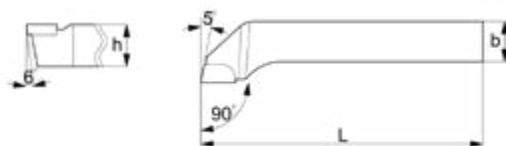
Art.	L	b	h
BRAS411108RP	125 mm	8 mm	8 mm
BRAS411110RP	150 mm	10 mm	10 mm
BRAS411112RP	180 mm	12 mm	12 mm
BRAS411116RP	210 mm	16 mm	16 mm
BRAS411120RP	250 mm	20 mm	20 mm
BRAS411125RP	300 mm	25 mm	25 mm
BRAS411132RP	355 mm	32 mm	32 mm

BRCIX
CARBIDE TIPPED TOOL FOR INTERNAL SLOTS


Art.	L	b	h	b1	N
BRCI10RP	150 mm	10 mm	10 mm	3 mm	8 mm
BRCI12RP	180 mm	12 mm	12 mm	4 mm	10 mm
BRCI16RP	210 mm	16 mm	16 mm	5 mm	12 mm
BRCI20RP	210 mm	20 mm	20 mm	6 mm	16 mm
BRCI25RP	300 mm	25 mm	25 mm	8 mm	20 mm

BRAS4104X
CARBIDE TIPPED TOOL FOR FACING

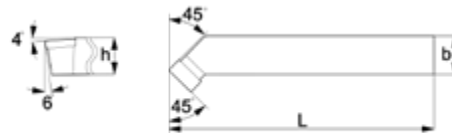
ISO 6



Art.	L	b	h
BRAS410410LP	90 mm	10 mm	10 mm
BRAS410410RP	90 mm	10 mm	10 mm
BRAS410412LP	100 mm	12 mm	12 mm
BRAS410412RP	100 mm	12 mm	12 mm
BRAS410416LP	110 mm	16 mm	16 mm
BRAS410416RP	110 mm	16 mm	16 mm
BRAS410420LP	125 mm	20 mm	20 mm
BRAS410420RP	125 mm	20 mm	20 mm
BRAS410425RP	140 mm	25 mm	25 mm

BRAS4103X
CARBIDE TIPPED TOOL FOR OUTSIDE ROUGHING

ISO 2



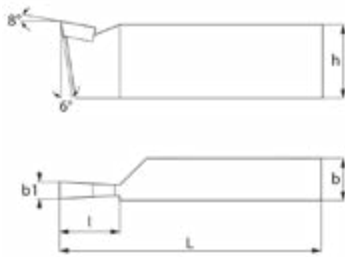
Art.	L	b	h
BRAS410310RP	90 mm	10 mm	10 mm
BRAS410312LP	100 mm	12 mm	12 mm
BRAS410312RP	100 mm	12 mm	12 mm
BRAS410316LP	110 mm	16 mm	16 mm
BRAS410316RP	110 mm	16 mm	16 mm
BRAS410320LP	125 mm	20 mm	20 mm
BRAS410320RP	125 mm	20 mm	20 mm
BRAS410325RP	140 mm	25 mm	25 mm



BRAS4109X

CARBIDE TIPPED TOOL FOR CUTTING OFF

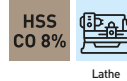
ISO 7



Art.	L	l	b	h	b1
BRAS410912RP	100 mm	12 mm	8 mm	12 mm	3 mm
BRAS410916RP	110 mm	14 mm	10 mm	16 mm	3,5 mm
BRAS410920RP	125 mm	16 mm	12 mm	20 mm	5 mm
BRAS410925RP	140 mm	20 mm	16 mm	25 mm	6 mm

B012-

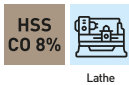
HARDENED AND GROUNDED TOOL BITS



Art.	ø	Length	Tolerance
B012/04	4 mm	200 mm	h9
B012/05	5 mm	200 mm	h9
B012/06	6 mm	200 mm	h9
B012/08	8 mm	200 mm	h9
B012/10	10 mm	200 mm	h9
B012/12	12 mm	200 mm	h9
B012/13	13 mm	135 mm	h9
B012/16	16 mm	200 mm	h9
B012/20	20 mm	200 mm	h9

B013-

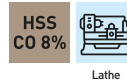
HARDENED AND GROUNDED TOOL BITS



Art.	Sides dimension	Length	Tolerance
B013/04X04	4 x 4 mm	200 mm	h13
B013/05X05	5 x 5 mm	200 mm	h13
B013/06X06	6 x 6 mm	200 mm	h13
B013/08X08	8 x 8 mm	200 mm	h13
B013/10X10	10 x 10 mm	200 mm	h13
B013/12X12	12 x 12 mm	200 mm	h13
B013/14X14	14 x 14 mm	200 mm	h13
B013/16X16	16 x 16 mm	200 mm	h13
B013/20X20	20 x 20 mm	200 mm	h13

B014-







HARDENED AND GROUNDED TOOL BITS



Art.	Sides dimension	Length	Tolerance
B014/20X04	20 x 04 mm	200 mm	h13
B014/20X05	20 x 05 mm	200 mm	h13
B014/20X06	20 x 06 mm	200 mm	h13
B014/20X08	20 x 08 mm	200 mm	h13
B014/20X10	20 x 10 mm	200 mm	h13
B014/20X12	20 x 12 mm	200 mm	h13
B014/25X06	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 Vc (m/min)	Tip diameter				Coolant
			2	5	8	12	
			Feed (mm/revolution)				
Non-alloy structural steel R<600N/mm2	HSS	20 - 25	0,05	0,12	0,20	0,25	Emulsion
	HSS-Tin	25 - 30					
Low alloy construction steel R< 700÷900N/mm2	HSS	10 - 12	0,03	0,07	0,10	0,16	Emulsion
	HSS-Tin	15 - 18					
Alloy steel R< 1100÷1300N/mm2	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	



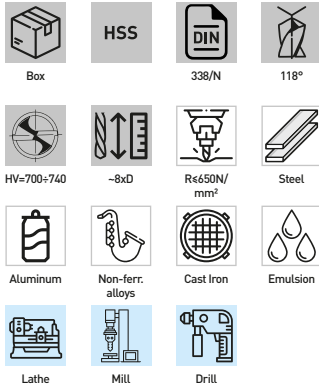
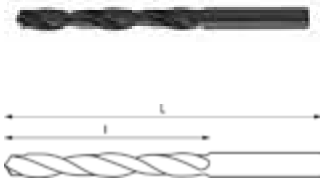
THEORETICAL NUMBER OF RPM FOR THE USE OF HELICAL TIPS ACCORDING TO THE CHOSEN V_c

∅	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

10 mm reduced shank rolled twist drill, right hand, black finish.



Art.	∅	L	l	Pack
ST1A01	1,00 mm	34 mm	12 mm	10
ST1A01.25	1,25 mm	38 mm	16 mm	10
ST1A01.50	1,50 mm	40 mm	18 mm	10
ST1A01.75	1,75 mm	46 mm	22 mm	10
ST1A02	2,00 mm	49 mm	24 mm	10
ST1A02.25	2,25 mm	53 mm	27 mm	10
ST1A02.50	2,50 mm	57 mm	30 mm	10
ST1A02.75	2,75 mm	61 mm	33 mm	10
ST1A03	3,00 mm	61 mm	33 mm	10
ST1A03.25	3,25 mm	65 mm	36 mm	10
ST1A03.50	3,50 mm	70 mm	39 mm	10
ST1A03.75	3,75 mm	70 mm	39 mm	10
ST1A04	4,00 mm	75 mm	43 mm	10
ST1A04.25	4,25 mm	75 mm	43 mm	10
ST1A04.50	4,50 mm	80 mm	47 mm	10
ST1A04.75	4,75 mm	80 mm	47 mm	10
ST1A05	5,00 mm	86 mm	52 mm	10
ST1A05.25	5,25 mm	86 mm	52 mm	10
ST1A05.50	5,50 mm	93 mm	57 mm	10
ST1A05.75	5,75 mm	93 mm	57 mm	10
ST1A06	6,00 mm	93 mm	57 mm	10
ST1A06.25	6,25 mm	101 mm	63 mm	10
ST1A06.50	6,50 mm	101 mm	63 mm	10
ST1A06.75	6,75 mm	109 mm	69 mm	10
ST1A07	7,00 mm	109 mm	69 mm	10
ST1A07.25	7,25 mm	109 mm	69 mm	10
ST1A07.50	7,50 mm	109 mm	69 mm	10
ST1A07.75	7,75 mm	117 mm	75 mm	10
ST1A08	8,00 mm	117 mm	75 mm	10
ST1A08.25	8,25 mm	117 mm	75 mm	5
ST1A08.50	8,50 mm	117 mm	75 mm	5
ST1A08.75	8,75 mm	125 mm	81 mm	5
ST1A09	9,00 mm	125 mm	81 mm	5
ST1A09.25	9,25 mm	125 mm	81 mm	5
ST1A09.50	9,50 mm	125 mm	81 mm	5
ST1A09.75	9,75 mm	133 mm	87 mm	5
ST1A10	10,00 mm	133 mm	87 mm	5
ST1A10.25	10,25 mm	133 mm	87 mm	5
ST1A10.50	10,50 mm	133 mm	87 mm	5
ST1A10.75	10,75 mm	142 mm	94 mm	5
ST1A11	11,00 mm	142 mm	94 mm	5
ST1A11.25	11,25 mm	142 mm	94 mm	5
ST1A11.50	11,50 mm	142 mm	94 mm	5
ST1A11.75	11,75 mm	142 mm	94 mm	5
ST1A12	12,00 mm	151 mm	101 mm	5
ST1A12.25	12,25 mm	151 mm	101 mm	5
ST1A12.50	12,50 mm	151 mm	101 mm	5
ST1A12.75	12,75 mm	151 mm	101 mm	5
ST1A13	13,00 mm	151 mm	101 mm	5

P046
TWIST DRILL SET

Right hand, black finish.



Size (step 0,5 mm)

1 ÷ 13 mm

P045
TWIST DRILL SET

Right hand, black finish.



Size (step 0,5 mm)

1÷10 mm

ST1AXC
STRAIGHT SHANK TWIST DRILL

Rolled, right hand, short length, black finish.



Art.	∅	L	l	Pack
ST1A02.00C	2,00 mm	38 mm	12 mm	10
ST1A02.50C	2,50 mm	43 mm	14 mm	10
ST1A03.00C	3,00 mm	46 mm	16 mm	10
ST1A03.25C	3,25 mm	49 mm	18 mm	10
ST1A03.50C	3,50 mm	52 mm	20 mm	10
ST1A03.75C	3,75 mm	52 mm	20 mm	10
ST1A04.00C	4,00 mm	55 mm	22 mm	10
ST1A04.25C	4,25 mm	55 mm	22 mm	10
ST1A04.50C	4,50 mm	58 mm	24 mm	10
ST1A05.00C	5,00 mm	62 mm	26 mm	10
ST1A05.50C	5,50 mm	66 mm	28 mm	10
ST1A06.00C	6,00 mm	66 mm	28 mm	10



ST1AXR10

STRAIGHT SHANK TWIST DRILL

10 mm reduced shank rolled twist drill, right hand, black finish.



Art.	ϕ	L	l	Pack
ST1A10.25R10	10,25 mm	133 mm	87 mm	5
ST1A10.50R10	10,5 mm	133 mm	87 mm	5
ST1A10.75R10	10,75 mm	142 mm	94 mm	5
ST1A11.00R10	11,00 mm	142 mm	94 mm	5
ST1A11.25R10	11,25 mm	142 mm	94 mm	5
ST1A11.50R10	11,5 mm	142 mm	94 mm	5
ST1A11.75R10	11,75 mm	142 mm	94 mm	5
ST1A12.00R10	12 mm	151 mm	101 mm	5
ST1A12.25R10	12,25 mm	151 mm	101 mm	5
ST1A12.50R10	12,50 mm	151 mm	101 mm	5
ST1A12.75R10	12,75 mm	151 mm	101 mm	5
ST1A13.00R10	13 mm	151 mm	101 mm	5
ST1A13.25R10	13,25 mm	160 mm	108 mm	5
ST1A13.50R10	13,5 mm	160 mm	108 mm	5
ST1A13.75R10	13,75 mm	160 mm	108 mm	5
ST1A14.00R10	14,00 mm	160 mm	108 mm	5
ST1A14.25R10	14,25 mm	169 mm	114 mm	5
ST1A14.50R10	14,5 mm	169 mm	114 mm	5
ST1A14.75R10	14,75 mm	169 mm	114 mm	5
ST1A15.00R10	15 mm	169 mm	114 mm	5
ST1A15.25R10	15,25 mm	178 mm	120 mm	5
ST1A15.50R10	15,50 mm	178 mm	120 mm	5
ST1A15.75R10	15,75 mm	178 mm	120 mm	5
ST1A16.00R10	16 mm	178 mm	120 mm	5

ST1AXR13

STRAIGHT SHANK TWIST DRILL

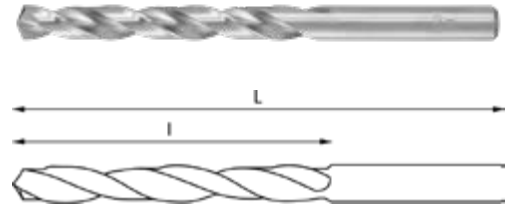
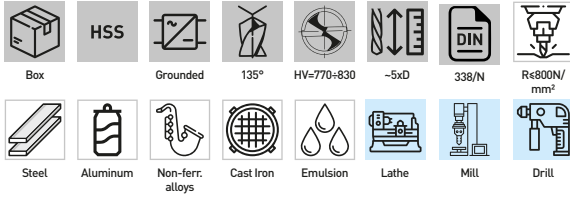
13 mm reduced shank rolled twist drill, right hand, black finish.



Art.	ϕ	L	l	Pack
ST1A13.25R13	13,25 mm	160 mm	108 mm	5
ST1A13.50R13	13,50 mm	160 mm	108 mm	5
ST1A13.75R13	13,75 mm	160 mm	108 mm	5
ST1A14.00R13	14,00 mm	160 mm	108 mm	5
ST1A14.25R13	14,25 mm	169 mm	114 mm	5
ST1A14.50R13	14,50 mm	169 mm	114 mm	5
ST1A14.75R13	14,75 mm	169 mm	114 mm	5
ST1A15.00R13	15,00 mm	169 mm	114 mm	5
ST1A15.25R13	15,25 mm	178 mm	120 mm	5
ST1A15.50R13	15,50 mm	178 mm	120 mm	5
ST1A15.75R13	15,75 mm	178 mm	120 mm	5
ST1A16.00R13	16,00 mm	178 mm	120 mm	5

P023-
STRAIGHT SHANK TWIST DRILL

Right hand, rectified



Art.	Ø	L	l	Pack	Art.	Ø	L	l	Pack	Art.	Ø	L	l	Pack
P023/00.30	0.30 mm	19 mm	3 mm	10	P023/03.80	3.80 mm	75 mm	43 mm	10	P023/07.80	7.80 mm	117 mm	75 mm	10
P023/00.35	0.35 mm	19 mm	4 mm	10	P023/03.90	3.90 mm	75 mm	43 mm	10	P023/07.90	7.90 mm	117 mm	75 mm	10
P023/00.40	0.40 mm	20 mm	5 mm	10	P023/04.00	4.00 mm	75 mm	43 mm	10	P023/08.00	8.00 mm	117 mm	75 mm	5
P023/00.45	0.45 mm	20 mm	5 mm	10	P023/04.10	4.10 mm	75 mm	43 mm	10	P023/08.10	8.10 mm	117 mm	75 mm	5
P023/00.50	0.50 mm	22 mm	6 mm	10	P023/04.20	4.20 mm	75 mm	43 mm	10	P023/08.20	8.20 mm	117 mm	75 mm	5
P023/00.55	0.55 mm	24 mm	7 mm	10	P023/04.25	4.25 mm	75 mm	43 mm	10	P023/08.25	8.25 mm	117 mm	75 mm	5
P023/00.60	0.60 mm	24 mm	7 mm	10	P023/04.30	4.30 mm	80 mm	47 mm	10	P023/08.30	8.30 mm	117 mm	75 mm	5
P023/00.65	0.65 mm	26 mm	8 mm	10	P023/04.40	4.40 mm	80 mm	47 mm	10	P023/08.40	8.40 mm	117 mm	75 mm	5
P023/00.70	0.70 mm	28 mm	9 mm	10	P023/04.50	4.50 mm	80 mm	47 mm	10	P023/08.50	8.50 mm	117 mm	75 mm	5
P023/00.75	0.75 mm	28 mm	9 mm	10	P023/04.60	4.60 mm	80 mm	47 mm	10	P023/08.60	8.60 mm	125 mm	81 mm	5
P023/00.80	0.80 mm	30 mm	10 mm	10	P023/04.70	4.70 mm	80 mm	47 mm	10	P023/08.70	8.70 mm	125 mm	81 mm	5
P023/00.85	0.85 mm	30 mm	10 mm	10	P023/04.75	4.75 mm	80 mm	47 mm	10	P023/08.75	8.75 mm	125 mm	81 mm	5
P023/00.90	0.90 mm	32 mm	11 mm	10	P023/04.80	4.80 mm	86 mm	52 mm	10	P023/08.80	8.80 mm	125 mm	81 mm	5
P023/00.95	0.95 mm	32 mm	11 mm	10	P023/04.90	4.90 mm	86 mm	52 mm	10	P023/08.90	8.90 mm	125 mm	81 mm	5
P023/01.00	1.00 mm	34 mm	12 mm	10	P023/05.00	5.00 mm	86 mm	52 mm	10	P023/09.00	9.00 mm	125 mm	81 mm	5
P023/01.10	1.10 mm	36 mm	14 mm	10	P023/05.10	5.10 mm	86 mm	52 mm	10	P023/09.10	9.10 mm	125 mm	81 mm	5
P023/01.20	1.20 mm	38 mm	16 mm	10	P023/05.20	5.20 mm	86 mm	52 mm	10	P023/09.20	9.20 mm	125 mm	81 mm	5
P023/01.25	1.25 mm	38 mm	16 mm	10	P023/05.25	5.25 mm	86 mm	52 mm	10	P023/09.25	9.25 mm	125 mm	81 mm	5
P023/01.30	1.30 mm	38 mm	16 mm	10	P023/05.30	5.30 mm	86 mm	52 mm	10	P023/09.30	9.30 mm	125 mm	81 mm	5
P023/01.40	1.40 mm	40 mm	18 mm	10	P023/05.40	5.40 mm	93 mm	57 mm	10	P023/09.40	9.40 mm	125 mm	81 mm	5
P023/01.50	1.50 mm	40 mm	18 mm	10	P023/05.50	5.50 mm	93 mm	57 mm	10	P023/09.50	9.50 mm	125 mm	81 mm	5
P023/01.60	1.60 mm	43 mm	20 mm	10	P023/05.60	5.60 mm	93 mm	57 mm	10	P023/09.60	9.60 mm	133 mm	87 mm	5
P023/01.70	1.70 mm	43 mm	20 mm	10	P023/05.70	5.70 mm	93 mm	57 mm	10	P023/09.70	9.70 mm	133 mm	87 mm	5
P023/01.75	1.75 mm	46 mm	22 mm	10	P023/05.75	5.75 mm	93 mm	57 mm	10	P023/09.75	9.75 mm	133 mm	87 mm	5
P023/01.80	1.80 mm	46 mm	22 mm	10	P023/05.80	5.80 mm	93 mm	57 mm	10	P023/09.80	9.80 mm	133 mm	87 mm	5
P023/01.90	1.90 mm	46 mm	22 mm	10	P023/05.90	5.90 mm	93 mm	57 mm	10	P023/09.90	9.90 mm	133 mm	87 mm	5
P023/02.00	2.00 mm	49 mm	24 mm	10	P023/06.00	6.00 mm	93 mm	57 mm	10	P023/10.00	10.00 mm	133 mm	87 mm	5
P023/02.10	2.10 mm	49 mm	24 mm	10	P023/06.10	6.10 mm	101 mm	63 mm	10	P023/10.25	10.25 mm	133 mm	87 mm	5
P023/02.20	2.20 mm	53 mm	27 mm	10	P023/06.20	6.20 mm	101 mm	63 mm	10	P023/10.30	10.30 mm	133 mm	87 mm	5
P023/02.25	2.25 mm	53 mm	27 mm	10	P023/06.25	6.25 mm	101 mm	63 mm	10	P023/10.40	10.40 mm	133 mm	87 mm	5
P023/02.30	2.30 mm	53 mm	27 mm	10	P023/06.30	6.30 mm	101 mm	63 mm	10	P023/10.50	10.50 mm	133 mm	87 mm	5
P023/02.40	2.40 mm	57 mm	30 mm	10	P023/06.40	6.40 mm	101 mm	63 mm	10	P023/10.75	10.75 mm	142 mm	94 mm	5
P023/02.50	2.50 mm	57 mm	30 mm	10	P023/06.50	6.50 mm	101 mm	63 mm	10	P023/11.00	11.00 mm	142 mm	94 mm	5
P023/02.60	2.60 mm	57 mm	30 mm	10	P023/06.60	6.60 mm	101 mm	63 mm	10	P023/11.25	11.25 mm	142 mm	94 mm	5
P023/02.70	2.70 mm	61 mm	33 mm	10	P023/06.70	6.70 mm	101 mm	63 mm	10	P023/11.40	11.40 mm	142 mm	94 mm	5
P023/02.75	2.75 mm	61 mm	33 mm	10	P023/06.75	6.75 mm	109 mm	69 mm	10	P023/11.50	11.50 mm	142 mm	94 mm	5
P023/02.80	2.80 mm	61 mm	33 mm	10	P023/06.80	6.80 mm	109 mm	69 mm	10	P023/11.75	11.75 mm	142 mm	94 mm	5
P023/02.90	2.90 mm	61 mm	33 mm	10	P023/06.90	6.90 mm	109 mm	69 mm	10	P023/12.00	12.00 mm	151 mm	101 mm	5
P023/03.00	3.00 mm	61 mm	33 mm	10	P023/07.00	7.00 mm	109 mm	69 mm	10	P023/12.25	12.25 mm	151 mm	101 mm	5
P023/03.10	3.10 mm	65 mm	36 mm	10	P023/07.10	7.10 mm	109 mm	69 mm	10	P023/12.30	12.30 mm	151 mm	101 mm	5
P023/03.20	3.20 mm	65 mm	36 mm	10	P023/07.20	7.20 mm	109 mm	69 mm	10	P023/12.40	12.40 mm	151 mm	101 mm	5
P023/03.25	3.25 mm	65 mm	36 mm	10	P023/07.25	7.25 mm	109 mm	69 mm	10	P023/12.50	12.50 mm	151 mm	101 mm	5
P023/03.30	3.30 mm	65 mm	36 mm	10	P023/07.30	7.30 mm	109 mm	69 mm	10	P023/12.75	12.75 mm	151 mm	101 mm	5
P023/03.40	3.40 mm	70 mm	39 mm	10	P023/07.40	7.40 mm	109 mm	69 mm	10	P023/13.00	13.00 mm	151 mm	101 mm	5
P023/03.50	3.50 mm	70 mm	39 mm	10	P023/07.50	7.50 mm	109 mm	69 mm	10	P023/14.30	14.30 mm	165 mm	115 mm	5
P023/03.60	3.60 mm	70 mm	39 mm	10	P023/07.60	7.60 mm	117 mm	75 mm	10	P023/14.40	14.40 mm	165 mm	115 mm	5
P023/03.70	3.70 mm	70 mm	39 mm	10	P023/07.70	7.70 mm	117 mm	75 mm	10	P023/16.40	16.40 mm	170 mm	115 mm	5
P023/03.75	3.75 mm	70 mm	39 mm	10	P023/07.75	7.75 mm	117 mm	75 mm	10					

P023/19
STRAIGHT SHANK TWIST DRILL SET

Right hand, rectified.



19 Pcs

Size (step 0,5 mm) 1 ÷ 10 mm


P023/25
STRAIGHT SHANK TWIST DRILL SET

Right hand, rectified.



25 Pcs

Size (step 0,5 mm) 1 ÷ 13 mm





P023-XC

DRILL BIT CYLINDRICAL SHORT SERIES

Right hand, rectified.



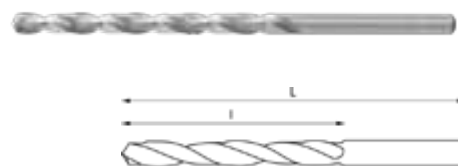
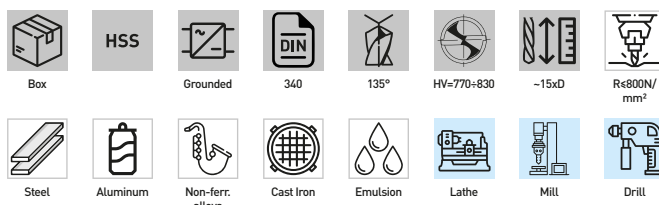
Art.	∅	L	l	Pack
P023/03.00C	3,00 mm	46 mm	16 mm	10
P023/03.25C	3,25 mm	49 mm	18 mm	10
P023/03.50C	3,50 mm	52 mm	20 mm	10
P023/03.75C	3,75 mm	52 mm	20 mm	10
P023/04.00C	4,00 mm	55 mm	22 mm	10

Art.	∅	L	l	Pack
P023/04.25C	4,25 mm	55 mm	22 mm	10
P023/04.50C	4,50 mm	58 mm	24 mm	10
P023/05.00C	5,00 mm	62 mm	26 mm	10
P023/05.50C	5,50 mm	66 mm	28 mm	10
P023/06.00C	6,00 mm	66 mm	28 mm	10

P023-XL

LONG TYPE STRAIGHT SHANK TWIST DRILL

Right hand, rectified.



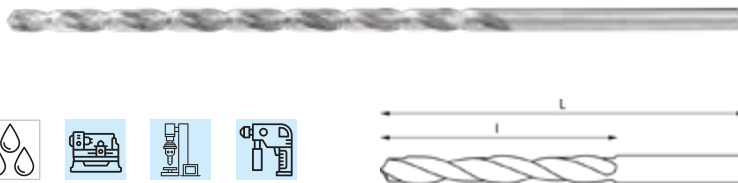
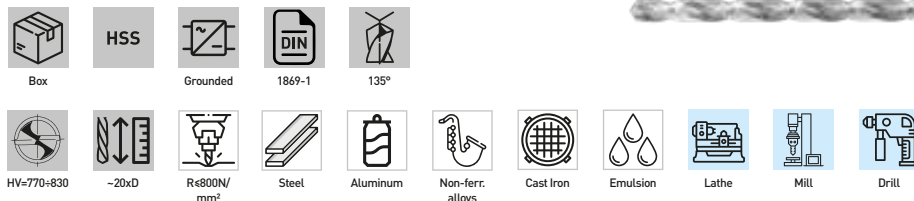
Art.	∅	L	l	Pack
P023/01.00L	1,00 mm	56 mm	33 mm	10
P023/01.25L	1,25 mm	65 mm	40 mm	10
P023/01.50L	1,50 mm	70 mm	45 mm	10
P023/01.75L	1,75 mm	80 mm	53 mm	10
P023/02.00L	2,00 mm	85 mm	56 mm	10
P023/02.25L	2,25 mm	90 mm	59 mm	10
P023/02.50L	2,50 mm	95 mm	62 mm	10
P023/02.75L	2,75 mm	100 mm	66 mm	10
P023/03.00L	3,00 mm	100 mm	66 mm	10
P023/03.25L	3,25 mm	106 mm	69 mm	10
P023/03.50L	3,50 mm	112 mm	73 mm	10
P023/03.75L	3,75 mm	112 mm	73 mm	10
P023/04.00L	4,00 mm	119 mm	78 mm	10
P023/04.25L	4,25 mm	119 mm	78 mm	10
P023/04.50L	4,50 mm	126 mm	82 mm	10
P023/04.75L	4,75 mm	126 mm	82 mm	10
P023/05.00L	5,00 mm	132 mm	87 mm	10
P023/05.25L	5,25 mm	132 mm	87 mm	10
P023/05.50L	5,50 mm	139 mm	91 mm	10
P023/05.75L	5,75 mm	139 mm	91 mm	10
P023/06.00L	6,00 mm	139 mm	91 mm	10
P023/06.25L	6,25 mm	148 mm	97 mm	10

Art.	∅	L	l	Pack
P023/06.50L	6,50 mm	148 mm	97 mm	10
P023/06.75L	6,75 mm	148 mm	97 mm	10
P023/07.00L	7,00 mm	156 mm	102 mm	10
P023/07.25L	7,25 mm	156 mm	102 mm	10
P023/07.50L	7,25 mm	156 mm	102 mm	10
P023/07.75L	7,75 mm	165 mm	109 mm	10
P023/08.00L	8,00 mm	165 mm	109 mm	5
P023/08.25L	8,25 mm	165 mm	109 mm	5
P023/08.50L	8,50 mm	165 mm	109 mm	5
P023/08.75L	8,75 mm	175 mm	115 mm	5
P023/09.00L	9,00 mm	175 mm	115 mm	5
P023/09.25L	9,25 mm	175 mm	115 mm	5
P023/09.50L	9,50 mm	175 mm	115 mm	5
P023/09.75L	9,75 mm	184 mm	121 mm	5
P023/10.00L	10,00 mm	184 mm	121 mm	5
P023/10.25L	10,25 mm	184 mm	121 mm	5
P023/10.50L	10,50 mm	184 mm	121 mm	5
P023/11.00L	11,00 mm	195 mm	128 mm	5
P023/11.50L	11,50 mm	195 mm	128 mm	5
P023/12.00L	12,00 mm	205 mm	134 mm	5
P023/12.50L	12,50 mm	205 mm	134 mm	5
P023/13.00L	13,00 mm	205 mm	134 mm	5

P023-XL1

EXTRA LONG SERIES CYLINDRICAL DRILL BIT

Right hand, rectified.



Art.	∅	L	l
P023/02.00L1	2,00 mm	125 mm	85 mm
P023/02.50L1	2,50 mm	140 mm	95 mm
P023/03.00L1	3,00 mm	150 mm	100 mm
P023/03.50L1	3,50 mm	165 mm	115 mm
P023/04.00L1	4,00 mm	175 mm	120 mm
P023/04.50L1	4,50 mm	185 mm	125 mm
P023/05.00L1	5,00 mm	195 mm	135 mm
P023/05.50L1	5,50 mm	205 mm	140 mm
P023/06.00L1	6,00 mm	205 mm	140 mm
P023/06.50L1	6,50 mm	215 mm	150 mm
P023/07.00L1	7,00 mm	225 mm	155 mm
P023/07.50L1	7,50 mm	225 mm	155 mm

Art.	∅	L	l
P023/08.00L1	8,00 mm	240 mm	165 mm
P023/08.50L1	8,50 mm	240 mm	165 mm
P023/09.00L1	9,00 mm	250 mm	175 mm
P023/09.50L1	9,50 mm	250 mm	175 mm
P023/10.00L1	10,00 mm	265 mm	185 mm
P023/10.50L1	10,50 mm	265 mm	185 mm
P023/11.00L1	11,00 mm	280 mm	195 mm
P023/11.50L1	11,50 mm	280 mm	195 mm
P023/12.00L1	12,00 mm	295 mm	205 mm
P023/12.50L1	12,50 mm	295 mm	205 mm
P023/13.00L1	13,00 mm	295 mm	205 mm

P023-XL2
EXTRA LONG SERIES CYLINDRICAL DRILL BIT

Right hand, rectified.



Art.	∅	L	l
P023/02.00L2	2,00 mm	160 mm	110 mm
P023/02.50L2	2,50 mm	180 mm	120 mm
P023/03.00L2	3,00 mm	190 mm	130 mm
P023/03.50L2	3,50 mm	210 mm	145 mm
P023/04.00L2	4,00 mm	220 mm	150 mm
P023/04.50L2	4,50 mm	235 mm	160 mm
P023/05.00L2	5,00 mm	245 mm	170 mm
P023/05.50L2	5,50 mm	260 mm	180 mm
P023/06.00L2	6,00 mm	260 mm	180 mm
P023/06.50L2	6,50 mm	275 mm	190 mm
P023/07.00L2	7,00 mm	290 mm	200 mm
P023/07.50L2	7,50 mm	290 mm	200 mm
P023/08.00L2	8,00 mm	305 mm	210 mm
P023/08.50L2	8,50 mm	305 mm	210 mm
P023/09.00L2	9,00 mm	320 mm	220 mm
P023/09.50L2	9,50 mm	320 mm	220 mm
P023/10.00L2	10,00 mm	340 mm	235 mm
P023/10.50L2	10,50 mm	340 mm	235 mm
P023/11.00L2	11,00 mm	365 mm	250 mm
P023/11.50L2	11,50 mm	365 mm	250 mm
P023/12.00L2	12,00 mm	375 mm	260 mm
P023/12.50L2	12,50 mm	375 mm	260 mm
P023/13.00L2	13,00 mm	375 mm	260 mm

P023-XL3
EXTRA LONG SERIES CYLINDRICAL DRILL BIT

Right hand, rectified.



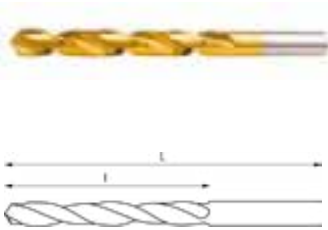
Art.	∅	L	l
P023/02.00L3	02,00 mm	200 mm	135 mm
P023/02.50L3	02,50 mm	225 mm	150 mm
P023/03.00L3	03,00 mm	240 mm	160 mm
P023/03.50L3	03,50 mm	265 mm	180 mm
P023/04.00L3	04,00 mm	280 mm	190 mm
P023/04.50L3	04,50 mm	295 mm	200 mm
P023/05.00L3	05,00 mm	315 mm	210 mm
P023/05.50L3	05,50 mm	330 mm	225 mm
P023/06.00L3	06,00 mm	330 mm	225 mm
P023/06.50L3	06,50 mm	350 mm	235 mm
P023/07.00L3	07,00 mm	370 mm	250 mm
P023/07.50L3	07,50 mm	370 mm	250 mm
P023/08.00L3	08,00 mm	390 mm	265 mm
P023/08.50L3	08,50 mm	390 mm	265 mm
P023/09.00L3	09,00 mm	410 mm	280 mm
P023/09.50L3	09,50 mm	410 mm	280 mm
P023/10.00L3	10,00 mm	430 mm	295 mm
P023/10.50L3	10,50 mm	430 mm	295 mm
P023/11.00L3	11,00 mm	455 mm	310 mm
P023/11.50L3	11,50 mm	455 mm	310 mm
P023/12.00L3	12,00 mm	480 mm	330 mm
P023/12.50L3	12,50 mm	480 mm	330 mm
P023/13.00L3	13,00 mm	480 mm	330 mm



P058-

STRAIGHT SHANK TWIST DRILL

Right hand, long durability thanks to the titanium coating.



Art.	Ø	L	l	Pack
P058/01.00	1 mm	34 mm	12 mm	10
P058/01.25	1,25 mm	38 mm	16 mm	10
P058/01.50	1,50 mm	40 mm	18 mm	10
P058/01.75	1,75 mm	46 mm	22 mm	10
P058/02.00	2 mm	49 mm	24 mm	10
P058/02.25	2,25 mm	53 mm	27 mm	10
P058/02.50	2,50 mm	57 mm	30 mm	10
P058/02.75	2,75 mm	61 mm	33 mm	10
P058/03.00	3 mm	61 mm	33 mm	10
P058/03.25	3,25 mm	65 mm	36 mm	10
P058/03.50	3,50 mm	70 mm	39 mm	10
P058/03.75	3,75 mm	70 mm	39 mm	10
P058/04.00	4 mm	75 mm	43 mm	10
P058/04.25	4,25 mm	75 mm	43 mm	10
P058/04.50	4,50 mm	80 mm	47 mm	10
P058/04.75	4,75 mm	80 mm	47 mm	10
P058/05.00	5 mm	86 mm	52 mm	10
P058/05.25	5,25 mm	86 mm	52 mm	10
P058/05.50	5,50 mm	93 mm	57 mm	10
P058/05.75	5,75 mm	93 mm	57 mm	10
P058/06.00	6 mm	93 mm	57 mm	10
P058/06.25	6,25 mm	101 mm	63 mm	10
P058/06.50	6,50 mm	101 mm	63 mm	10
P058/06.75	6,75 mm	109 mm	69 mm	10
P058/07.00	7 mm	109 mm	69 mm	10
P058/07.25	7,25 mm	109 mm	69 mm	10
P058/07.50	7,50 mm	109 mm	69 mm	10
P058/07.75	7,75 mm	117 mm	75 mm	10
P058/08.00	8 mm	117 mm	75 mm	10
P058/08.25	8,25 mm	117 mm	75 mm	5
P058/08.50	8,50 mm	117 mm	75 mm	5
P058/08.75	8,75 mm	125 mm	81 mm	5
P058/09.00	9 mm	125 mm	81 mm	5
P058/09.25	9,25 mm	125 mm	81 mm	5
P058/09.50	9,50 mm	125 mm	81 mm	5
P058/09.75	9,75 mm	133 mm	87 mm	5
P058/10.00	10 mm	133 mm	87 mm	5
P058/10.25	10,25 mm	133 mm	87 mm	5
P058/10.50	10,50 mm	133 mm	87 mm	5
P058/10.75	10,75 mm	142 mm	94 mm	5
P058/11.00	11 mm	142 mm	94 mm	5
P058/11.25	11,25 mm	142 mm	94 mm	5
P058/11.50	11,50 mm	142 mm	94 mm	5
P058/11.75	11,75 mm	142 mm	94 mm	5
P058/12.00	12 mm	151 mm	101 mm	5
P058/12.25	12,25 mm	151 mm	101 mm	5
P058/12.50	12,50 mm	151 mm	101 mm	5
P058/12.75	12,75 mm	151 mm	101 mm	5
P058/13.00	13 mm	151 mm	101 mm	5

Box	HSS	Grounded	TiN
338/N	135°	HV=740-780	-8xD
Rc700N/mm²	Steel	Aluminum	Non-ferr. alloys
Cast Iron	Emulsion	Lathe	Mill

P058/170

TWIST DRILL SET

Right hand, long durability thanks to the titanium coating.



170 Pcs
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

SERIES OF CYLINDRICAL TIPS TO THE TENTH

Right hand, long durability thanks to the titanium coating.



51 Pcs
Size (step 0,1 mm) 1 ÷ 6 mm

P010/41

SERIES OF CYLINDRICAL TIPS TO THE TENTH

Right hand, long durability thanks to the titanium coating.



41 Pcs
Size (step 0,1 mm) 6 ÷ 10 mm

P062

TWIST DRILL SET

Right hand, long durability thanks to the titanium coating.



25 Pcs
Size (step 0,5 mm) 1 ÷ 13 mm

P061

STRAIGHT SHANK TWIST DRILL SET

Right hand, long durability thanks to the titanium coating.



19 Pcs
Size (step 0,5 mm) 1 ÷ 10 mm

P068

TWIST DRILL SET

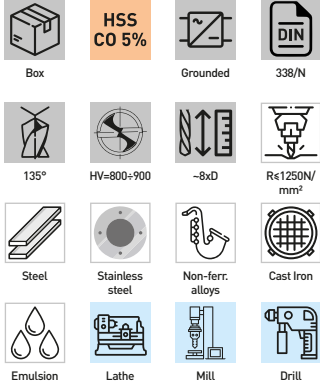
Right hand, long durability thanks to the titanium coating.



20 Pcs
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

Self-centering, right, with great thermal resistance.



Art.	Ø	Total length	Flute length	Pack
P065/01.00	1 mm	34 mm	12 mm	10
P065/01.25	1,25 mm	38 mm	16 mm	10
P065/01.50	1,50 mm	40 mm	18 mm	10
P065/01.75	1,75 mm	46 mm	22 mm	10
P065/02.00	2 mm	49 mm	24 mm	10
P065/02.25	2,25 mm	53 mm	27 mm	10
P065/02.50	2,50 mm	57 mm	30 mm	10
P065/02.75	2,75 mm	61 mm	33 mm	10
P065/03.00	3 mm	61 mm	33 mm	10
P065/03.25	3,25 mm	69 mm	39 mm	10
P065/03.50	3,50 mm	70 mm	39 mm	10
P065/03.75	3,75 mm	70 mm	39 mm	10
P065/04.00	4 mm	75 mm	43 mm	10
P065/04.25	4,25 mm	75 mm	43 mm	10
P065/04.50	4,50 mm	80 mm	47 mm	10
P065/04.75	4,75 mm	80 mm	47 mm	10
P065/05.00	5 mm	86 mm	52 mm	10
P065/05.25	5,25 mm	86 mm	52 mm	10
P065/05.50	5,50 mm	93 mm	57 mm	10
P065/05.75	5,75 mm	93 mm	57 mm	10
P065/06.00	6 mm	93 mm	57 mm	10
P065/06.25	6,25 mm	101 mm	63 mm	10
P065/06.50	6,50 mm	101 mm	63 mm	10
P065/06.75	6,75 mm	109 mm	69 mm	10
P065/07.00	7 mm	109 mm	69 mm	10
P065/07.25	7,25 mm	109 mm	69 mm	10
P065/07.50	7,50 mm	109 mm	69 mm	10
P065/07.75	7,75 mm	117 mm	75 mm	10
P065/08.00	8 mm	117 mm	75 mm	5
P065/08.25	8,25 mm	117 mm	75 mm	5
P065/08.50	8,50 mm	117 mm	75 mm	5
P065/08.75	8,75 mm	125 mm	81 mm	5
P065/09.00	9 mm	125 mm	81 mm	5
P065/09.25	9,25 mm	125 mm	81 mm	5
P065/09.50	9,50 mm	125 mm	81 mm	5
P065/09.75	9,75 mm	133 mm	87 mm	5
P065/10.00	10 mm	133 mm	87 mm	5
P065/10.25	10,25 mm	133 mm	87 mm	5
P065/10.50	10,50 mm	133 mm	87 mm	5
P065/10.75	10,75 mm	142 mm	94 mm	5
P065/11.00	11 mm	142 mm	94 mm	5
P065/11.25	11,25 mm	142 mm	94 mm	5
P065/11.50	11,50 mm	142 mm	94 mm	5
P065/11.75	11,75 mm	142 mm	94 mm	5
P065/12.00	12 mm	151 mm	101 mm	5
P065/12.25	12,25 mm	151 mm	101 mm	5
P065/12.50	12,50 mm	151 mm	101 mm	5
P065/12.75	12,75 mm	151 mm	101 mm	5
P065/13.00	13 mm	151 mm	101 mm	5

P067
COBALT TWIST DRILL SET

Self-centering, right, with great thermal resistance.



19 Pcs

Size (step 0,5 mm)

1 ÷ 10 mm

P069
COBALT TWIST DRILL SET

Self-centering, right, with great thermal resistance.



25 Pcs

Size (step 0,5 mm)

1 ÷ 13 mm





P064-

FULLY GROUND FROM THE SOLID TWIST DRILL

Self-centering, right, with great thermal resistance.



Art.	ø	L	l	Pack
P064/01.00	01.00 mm	34 mm	12 mm	10
P064/01.25	01.25 mm	38 mm	16 mm	10
P064/01.50	01.50 mm	40 mm	18 mm	10
P064/01.75	01.75 mm	46 mm	22 mm	10
P064/02.00	02.00 mm	49 mm	24 mm	10
P064/02.25	02.25 mm	53 mm	27 mm	10
P064/02.50	02.50 mm	57 mm	30 mm	10
P064/02.75	02.75 mm	61 mm	33 mm	10
P064/03.00	03.00 mm	61 mm	33 mm	10
P064/03.25	03.25 mm	69 mm	39 mm	10
P064/03.50	03.50 mm	70 mm	39 mm	10
P064/03.75	03.75 mm	70 mm	39 mm	10
P064/04.00	04.00 mm	75 mm	43 mm	10
P064/04.25	04.25 mm	75 mm	43 mm	10
P064/04.50	04.50 mm	80 mm	47 mm	10
P064/04.75	04.75 mm	80 mm	47 mm	10
P064/05.00	05.00 mm	86 mm	52 mm	10
P064/05.25	05.25 mm	86 mm	52 mm	10
P064/05.50	05.50 mm	93 mm	57 mm	10
P064/05.75	05.75 mm	93 mm	57 mm	10
P064/06.00	06.00 mm	93 mm	57 mm	10
P064/06.25	06.25 mm	101 mm	63 mm	10
P064/06.50	06.50 mm	101 mm	63 mm	10
P064/06.75	06.75 mm	109 mm	69 mm	10
P064/07.00	07.00 mm	109 mm	69 mm	10
P064/07.25	07.25 mm	109 mm	69 mm	10
P064/07.50	07.50 mm	109 mm	69 mm	10
P064/07.75	07.75 mm	117 mm	75 mm	10
P064/08.00	08.00 mm	117 mm	75 mm	5
P064/08.25	08.25 mm	117 mm	75 mm	5
P064/08.50	08.50 mm	117 mm	75 mm	5
P064/08.75	08.75 mm	125 mm	81 mm	5
P064/09.00	09.00 mm	125 mm	81 mm	5
P064/09.25	09.25 mm	125 mm	81 mm	5
P064/09.50	09.50 mm	125 mm	81 mm	5
P064/09.75	09.75 mm	133 mm	87 mm	5
P064/10.00	10.00 mm	133 mm	87 mm	5
P064/10.25	10.25 mm	133 mm	87 mm	5
P064/10.50	10.50 mm	133 mm	87 mm	5
P064/10.75	10.75 mm	142 mm	94 mm	5
P064/11.00	11.00 mm	142 mm	94 mm	5
P064/11.25	11.25 mm	142 mm	94 mm	5
P064/11.50	11.50 mm	142 mm	94 mm	5
P064/11.75	11.75 mm	142 mm	94 mm	5
P064/12.00	12.00 mm	151 mm	101 mm	5
P064/12.25	12.25 mm	151 mm	101 mm	5
P064/12.50	12.50 mm	151 mm	101 mm	5
P064/12.75	12.75 mm	151 mm	101 mm	5
P064/13.00	13.00 mm	151 mm	101 mm	5

P064/19A

COBALT TWIST DRILL SET

Self-centering, right, with great thermal resistance.



19 Pcs

Size (step 0,5 mm)

1 ± 10 mm

P064/25A

COBALT TWIST DRILL SET

Self-centering, right, with great thermal resistance.



25 Pcs

Size (step 0,5 mm)

1 ± 13 mm



ST2AX
TWIST DRILL WITH CONICAL SHANK

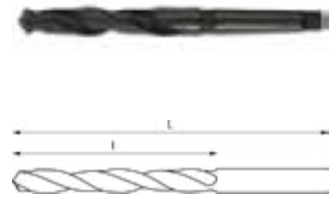
Right hand



Art.	Ø	MT	L	l
ST2A05.75	5,75 mm	1	138 mm	57 mm
ST2A06	6,00 mm	1	138 mm	57 mm
ST2A06.25	6,25 mm	1	144 mm	63 mm
ST2A06.50	6,50 mm	1	144 mm	63 mm
ST2A06.75	6,75 mm	1	150 mm	69 mm
ST2A07	7,00 mm	1	150 mm	69 mm
ST2A07.25	7,25 mm	1	150 mm	69 mm
ST2A07.50	7,50 mm	1	150 mm	69 mm
ST2A07.75	7,75 mm	1	156 mm	75 mm
ST2A08	8,00 mm	1	156 mm	75 mm
ST2A08.25	8,25 mm	1	156 mm	75 mm
ST2A08.50	8,50 mm	1	156 mm	75 mm
ST2A08.75	8,75 mm	1	156 mm	75 mm
ST2A09	9,00 mm	1	162 mm	81 mm
ST2A09.25	9,25 mm	1	162 mm	81 mm
ST2A09.50	9,50 mm	1	162 mm	81 mm
ST2A09.75	9,75 mm	1	162 mm	81 mm
ST2A10	10,00 mm	1	168 mm	81 mm
ST2A10.25	10,25 mm	1	168 mm	87 mm
ST2A10.50	10,50 mm	1	168 mm	87 mm
ST2A10.75	10,75 mm	1	175 mm	87 mm
ST2A11	11,00 mm	1	175 mm	94 mm
ST2A11.25	11,25 mm	1	175 mm	94 mm
ST2A11.50	11,50 mm	1	175 mm	94 mm
ST2A11.75	11,75 mm	1	175 mm	94 mm
ST2A12	12,00 mm	1	182 mm	94 mm
ST2A12.25	12,25 mm	1	182 mm	101 mm
ST2A12.50	12,50 mm	1	182 mm	101 mm
ST2A12.75	12,75 mm	1	182 mm	101 mm
ST2A13	13,00 mm	1	182 mm	101 mm
ST2A13.25	13,25 mm	1	182 mm	101 mm
ST2A13.50	13,50 mm	1	189 mm	108 mm
ST2A13.75	13,75 mm	1	189 mm	108 mm
ST2A14	14,00 mm	1	189 mm	108 mm
ST2A14.25	14,25 mm	2	212 mm	114 mm
ST2A14.50	14,50 mm	2	212 mm	114 mm
ST2A14.75	14,75 mm	2	212 mm	114 mm
ST2A15	15,00 mm	2	212 mm	114 mm
ST2A15.25	15,25 mm	2	218 mm	120 mm
ST2A15.50	15,50 mm	2	218 mm	120 mm
ST2A15.75	15,75 mm	2	218 mm	120 mm
ST2A16	16,00 mm	2	218 mm	120 mm
ST2A16.25	16,25 mm	2	223 mm	125 mm
ST2A16.50	16,50 mm	2	223 mm	125 mm
ST2A16.75	16,75 mm	2	223 mm	125 mm
ST2A17	17,00 mm	2	223 mm	125 mm
ST2A17.25	17,25 mm	2	228 mm	130 mm
ST2A17.50	17,50 mm	2	228 mm	130 mm
ST2A17.75	17,75 mm	2	228 mm	130 mm
ST2A18	18,00 mm	2	228 mm	130 mm
ST2A18.25	18,25 mm	2	233 mm	135 mm
ST2A18.50	18,50 mm	2	233 mm	135 mm
ST2A18.75	18,75 mm	2	233 mm	135 mm
ST2A19	19,00 mm	2	233 mm	135 mm
ST2A19.25	19,25 mm	2	238 mm	140 mm
ST2A19.50	19,50 mm	2	238 mm	130 mm
ST2A19.75	19,75 mm	2	238 mm	140 mm
ST2A20	20,00 mm	2	238 mm	140 mm
ST2A20.25	20,25 mm	2	243 mm	145 mm
ST2A20.50	20,50 mm	2	243 mm	145 mm
ST2A20.75	20,75 mm	2	243 mm	145 mm
ST2A21	21,00 mm	2	243 mm	145 mm
ST2A21.25	21,25 mm	2	248 mm	150 mm
ST2A21.50	21,50 mm	2	248 mm	150 mm
ST2A21.75	21,75 mm	2	248 mm	150 mm
ST2A22	22,00 mm	2	248 mm	150 mm
ST2A22.25	22,25 mm	2	248 mm	150 mm

Art.	Ø	MT	L	l
ST2A22.50	22,50 mm	2	253 mm	155 mm
ST2A22.75	22,75 mm	2	253 mm	155 mm
ST2A23	23,00 mm	2	253 mm	155 mm
ST2A23.25	23,25 mm	3	276 mm	155 mm
ST2A23.50	23,50 mm	3	276 mm	155 mm
ST2A23.75	23,75 mm	3	281 mm	160 mm
ST2A24	24,00 mm	3	281 mm	160 mm
ST2A24.25	24,25 mm	3	281 mm	160 mm
ST2A24.50	24,50 mm	3	281 mm	160 mm
ST2A24.75	24,75 mm	3	281 mm	160 mm
ST2A25	25,00 mm	3	281 mm	160 mm
ST2A25.25	25,25 mm	3	281 mm	160 mm
ST2A25.50	25,50 mm	3	281 mm	160 mm
ST2A25.75	25,75 mm	3	281 mm	160 mm
ST2A26	26,00 mm	3	286 mm	165 mm
ST2A26.25	26,25 mm	3	286 mm	165 mm
ST2A26.50	26,50 mm	3	286 mm	165 mm
ST2A26.75	26,75 mm	3	291 mm	170 mm
ST2A27	27,00 mm	3	291 mm	170 mm
ST2A27.25	27,25 mm	3	291 mm	170 mm
ST2A27.50	27,50 mm	3	291 mm	170 mm
ST2A27.75	27,75 mm	3	291 mm	170 mm
ST2A28	28,00 mm	3	291 mm	170 mm
ST2A28.25	28,25 mm	3	296 mm	175 mm
ST2A28.50	28,50 mm	3	296 mm	175 mm
ST2A28.75	28,75 mm	3	296 mm	175 mm
ST2A29	29,00 mm	3	296 mm	175 mm
ST2A29.25	29,25 mm	3	296 mm	175 mm
ST2A29.50	29,50 mm	3	296 mm	175 mm
ST2A29.75	29,75 mm	3	296 mm	175 mm
ST2A30	30,00 mm	3	296 mm	175 mm
ST2A30.25	30,25 mm	3	301 mm	180 mm
ST2A30.50	30,50 mm	3	301 mm	180 mm
ST2A30.75	30,75 mm	3	301 mm	180 mm
ST2A31	31,00 mm	3	301 mm	180 mm
ST2A31.25	31,25 mm	3	301 mm	180 mm
ST2A31.50	31,50 mm	3	301 mm	180 mm
ST2A31.75	31,75 mm	4	306 mm	185 mm
ST2A32	32,00 mm	4	334 mm	185 mm
ST2A32.50	32,50 mm	4	334 mm	185 mm
ST2A33	33,00 mm	4	334 mm	185 mm
ST2A33.50	33,50 mm	4	334 mm	185 mm
ST2A34	34,00 mm	4	339 mm	190 mm
ST2A34.50	34,50 mm	4	339 mm	190 mm
ST2A35	35,00 mm	4	339 mm	190 mm
ST2A35.50	35,50 mm	4	339 mm	190 mm
ST2A36	36,00 mm	4	344 mm	195 mm
ST2A36.50	36,50 mm	4	344 mm	195 mm
ST2A37	37,00 mm	4	344 mm	195 mm
ST2A37.50	37,50 mm	4	344 mm	195 mm
ST2A38	38,00 mm	4	349 mm	200 mm
ST2A38.50	38,50 mm	4	349 mm	200 mm
ST2A39	39,00 mm	4	349 mm	200 mm
ST2A39.50	39,50 mm	4	349 mm	200 mm
ST2A40	40,00 mm	4	349 mm	200 mm
ST2A40.50	40,50 mm	4	354 mm	205 mm
ST2A41	41,00 mm	4	354 mm	205 mm
ST2A41.50	41,50 mm	4	354 mm	205 mm
ST2A42	42,00 mm	4	354 mm	205 mm
ST2A42.50	42,50 mm	4	354 mm	205 mm
ST2A43	43,00 mm	4	359 mm	210 mm
ST2A43.50	43,50 mm	4	359 mm	210 mm
ST2A44	44,00 mm	4	359 mm	210 mm
ST2A44.50	44,50 mm	4	359 mm	210 mm
ST2A45	45,00 mm	4	359 mm	210 mm
ST2A45.50	45,50 mm	4	364 mm	215 mm
ST2A46	46,00 mm	4	364 mm	215 mm

Art.	Ø	MT	L	l
ST2A46.50	46,50 mm	4	364 mm	215 mm
ST2A47	47,00 mm	4	364 mm	215 mm
ST2A47.50	47,50 mm	4	364 mm	215 mm
ST2A48	48,00 mm	4	369 mm	220 mm
ST2A48.50	48,50 mm	4	369 mm	220 mm
ST2A49	49,00 mm	4	369 mm	220 mm
ST2A49.50	49,50 mm	4	369 mm	220 mm
ST2A50	50,00 mm	4	369 mm	220 mm
ST2A50.50	50,50 mm	4	374 mm	225 mm
ST2A51	51,00 mm	5	412 mm	225 mm
ST2A51.50	51,50 mm	5	412 mm	225 mm
ST2A52	52,00 mm	5	412 mm	225 mm
ST2A53	53,00 mm	5	412 mm	225 mm
ST2A54	54,00 mm	5	417 mm	230 mm
ST2A55	55,00 mm	5	417 mm	230 mm
ST2A56	56,00 mm	5	417 mm	230 mm
ST2A57	57,00 mm	5	422 mm	235 mm
ST2A58	58,00 mm	5	422 mm	235 mm
ST2A59	59,00 mm	5	422 mm	235 mm
ST2A60	60,00 mm	5	422 mm	235 mm
ST2A61	61,00 mm	5	427 mm	240 mm
ST2A62	62,00 mm	5	427 mm	240 mm
ST2A63	63,00 mm	5	427 mm	240 mm
ST2A65	65,00 mm	5	432 mm	245 mm
ST2A66	66,00 mm	5	432 mm	245 mm
ST2A67	67,00 mm	5	432 mm	245 mm
ST2A68	68,00 mm	5	437 mm	250 mm
ST2A69	69,00 mm	5	437 mm	250 mm
ST2A70	70,00 mm	5	437 mm	250 mm
ST2A71	71,00 mm	5	437 mm	250 mm
ST2A72	72,00 mm	5	442 mm	255 mm
ST2A73	73,00 mm	5	442 mm	255 mm
ST2A74	74,00 mm	5	442 mm	255 mm
ST2A75	75,00 mm	5	442 mm	255 mm
ST2A77	77,00 mm	6	514 mm	260 mm
ST2A78	78,00 mm	6	514 mm	260 mm
ST2A79	79,00 mm	6	514 mm	260 mm


P057
SET OF TWIST DRILLS WITH CONICAL SHANK

Right hand.

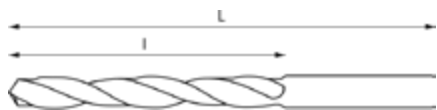


Sizes	CM1: 14 mm
MT	14 mm
Sizes	CM2: 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 mm





P081-
NC SPOTTING DRILL



Box	HSS CO 5%	TiAlN	90°	External	Steel	Stainless steel	Aluminum
Non-ferr. alloys	Cast Iron	Emulsion	Lathe	Mill	Drill		

Art.	ø	l	L
P081/03	3 mm	17 mm	46 mm
P081/04	4 mm	20 mm	55 mm
P081/05	5 mm	25 mm	60 mm
P081/06	6 mm	27 mm	66 mm
P081/08	8 mm	30 mm	79 mm
P081/10	10 mm	35 mm	89 mm
P081/12	12 mm	30 mm	102 mm
P081/16	16 mm	35 mm	115 mm
P081/20	20 mm	40 mm	131 mm

P056-
CENTER DRILL

Ground, with vaporized grooves. Taper angle 60°.



Box	HSS	DIN 333	118°	Steel	Aluminum	Non-ferr. alloys	Cast Iron
Emulsion	Lathe	Mill	Magnetic Drill	Drill press			

Art.	ø	Stem	Length
P056/1	1 mm	ø 3 mm	30,5 mm
P056/1.6	1,6 mm	ø 4 mm	35,5 mm
P056/2	2 mm	ø 5 mm	40 mm
P056/2.5	2,5 mm	ø 6,3 mm	45 mm
P056/3.15	3,15 mm	ø 8 mm	50 mm
P056/4	4 mm	ø 10 mm	56 mm
P056/5	5 mm	ø 12,5 mm	63 mm

P056/10S
CENTER DRILL SET

Ground, with vaporized grooves. Taper angle 60°.



10 Pcs	Box	HSS	DIN 333	118°	Steel
Aluminum	Non-ferr. alloys	Cast Iron	Emulsion	Lathe	Mill

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.

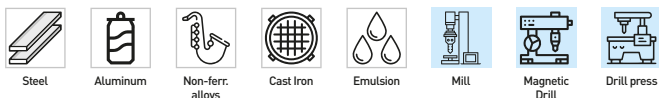
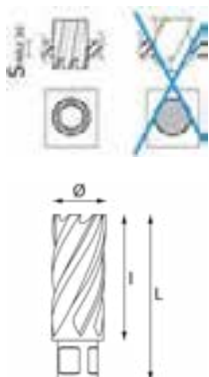




F011-

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.

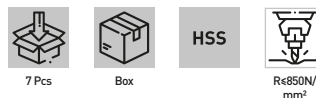


Art.	Cutting capacity	ø	Total length
F011/12	30 mm	12 mm	62 mm
F011/13	30 mm	13 mm	62 mm
F011/14	30 mm	14 mm	62 mm
F011/15	30 mm	15 mm	62 mm
F011/16	30 mm	16 mm	62 mm
F011/17	30 mm	17 mm	62 mm
F011/18	30 mm	18 mm	62 mm
F011/19	30 mm	19 mm	62 mm
F011/20	30 mm	20 mm	62 mm
F011/21	30 mm	21 mm	62 mm
F011/22	30 mm	22 mm	62 mm
F011/23	30 mm	23 mm	62 mm
F011/24	30 mm	24 mm	62 mm
F011/25	30 mm	25 mm	62 mm
F011/26	30 mm	26 mm	62 mm
F011/27	30 mm	27 mm	62 mm
F011/28	30 mm	28 mm	62 mm
F011/29	30 mm	29 mm	62 mm
F011/30	30 mm	30 mm	62 mm
F011/31	30 mm	31 mm	62 mm
F011/32	30 mm	32 mm	62 mm
F011/33	30 mm	33 mm	62 mm
F011/34	30 mm	34 mm	62 mm
F011/35	30 mm	35 mm	62 mm
F011/36	30 mm	36 mm	62 mm
F011/37	30 mm	37 mm	62 mm
F011/38	30 mm	38 mm	62 mm
F011/39	30 mm	39 mm	62 mm
F011/40	30 mm	40 mm	62 mm
F011/41	30 mm	41 mm	62 mm
F011/42	30 mm	42 mm	62 mm
F011/43	30 mm	43 mm	62 mm
F011/44	30 mm	44 mm	62 mm
F011/45	30 mm	45 mm	62 mm
F011/46	30 mm	46 mm	62 mm
F011/47	30 mm	47 mm	62 mm
F011/48	30 mm	48 mm	62 mm
F011/49	30 mm	49 mm	62 mm
F011/50	30 mm	50 mm	62 mm
F011/51	30 mm	51 mm	62 mm
F011/52	30 mm	52 mm	62 mm
F011/53	30 mm	53 mm	62 mm
F011/54	30 mm	54 mm	62 mm
F011/55	30 mm	55 mm	62 mm
F011/60	30 mm	60 mm	62 mm

F011/6

WELDON SHANK CORE DRILL SET

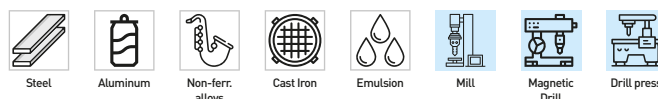
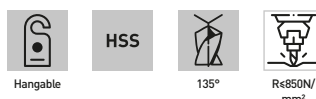
Allows a very fast cut, does not require pre-drilling and does not create any burr formation thanks to the lower effort of the cutting edge during processing.



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

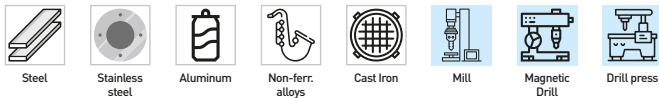
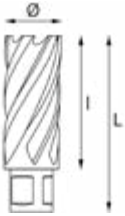
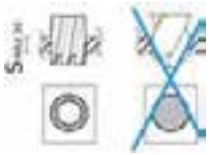
TWIST DRILLS WELDON SHANK



Art.	ø	L	L
F011/006P	6 mm	30 mm	62 mm
F011/007P	7 mm	30 mm	62 mm
F011/008P	8 mm	30 mm	62 mm
F011/009P	9 mm	30 mm	62 mm
F011/010P	10 mm	30 mm	62 mm
F011/011P	11 mm	30 mm	62 mm

F002-
CORE DRILL WITH WELDON SHANK

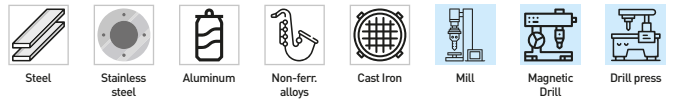
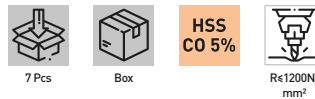
Allows a very fast cut, does not require pre-drilling and does not create any burr formation thanks to the lower effort of the cutting edge during processing.



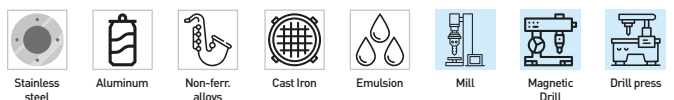
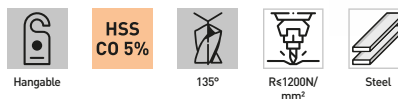
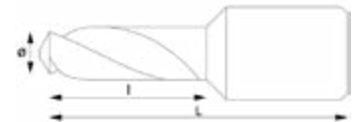
Art.	Ø	Cutting capacity	Total length
F002/12	12 mm	30 mm	62 mm
F002/13	13 mm	30 mm	62 mm
F002/14	14 mm	30 mm	62 mm
F002/15	15 mm	30 mm	62 mm
F002/16	16 mm	30 mm	62 mm
F002/17	17 mm	30 mm	62 mm
F002/18	18 mm	30 mm	62 mm
F002/19	19 mm	30 mm	62 mm
F002/20	20 mm	30 mm	62 mm
F002/21	21 mm	30 mm	62 mm
F002/22	22 mm	30 mm	62 mm
F002/23	23 mm	30 mm	62 mm
F002/24	24 mm	30 mm	62 mm
F002/25	25 mm	30 mm	62 mm
F002/26	26 mm	30 mm	62 mm
F002/27	27 mm	30 mm	62 mm
F002/28	28 mm	30 mm	62 mm
F002/29	29 mm	30 mm	62 mm
F002/30	30 mm	30 mm	62 mm
F002/31	31 mm	30 mm	62 mm
F002/32	32 mm	30 mm	62 mm
F002/33	33 mm	30 mm	62 mm
F002/34	34 mm	30 mm	62 mm
F002/35	35 mm	30 mm	62 mm
F002/36	36 mm	30 mm	62 mm
F002/37	37 mm	30 mm	62 mm
F002/38	38 mm	30 mm	62 mm
F002/39	39 mm	30 mm	62 mm
F002/40	40 mm	30 mm	62 mm
F002/41	41 mm	30 mm	62 mm
F002/42	42 mm	30 mm	62 mm
F002/43	43 mm	30 mm	62 mm
F002/44	44 mm	30 mm	62 mm
F002/45	45 mm	30 mm	62 mm
F002/46	46 mm	30 mm	62 mm
F002/47	47 mm	30 mm	62 mm
F002/48	48 mm	30 mm	62 mm
F002/49	49 mm	30 mm	62 mm
F002/50	50 mm	30 mm	62 mm
F002/55	55 mm	30 mm	62 mm
F002/60	60 mm	30 mm	62 mm

F002/6
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
TWIST DRILLS WELDON SHANK


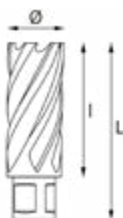
Art.	Ø	l	L
F002/006P	6 mm	30 mm	62.50 mm
F002/007P	7 mm	30 mm	62.50 mm
F002/008P	8 mm	30 mm	62.50 mm
F002/009P	9 mm	30 mm	62.50 mm
F002/010P	10 mm	30 mm	62.50 mm
F002/011P	11 mm	30 mm	62.50 mm



F002-XL

LONG TYPE CORE DRILL WITH WELDON SHANK

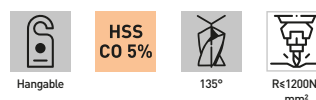
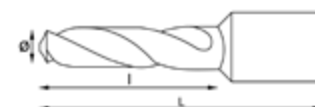
Allows a very fast cut, does not require pre-drilling and does not create any burr formation thanks to the lower effort of the cutting edge during processing.



Art.	ø	Cutting capacity	Total length
F002/12L	12 mm	50 mm	85 mm
F002/13L	13 mm	50 mm	85 mm
F002/14L	14 mm	50 mm	85 mm
F002/15L	15 mm	50 mm	85 mm
F002/16L	16 mm	50 mm	85 mm
F002/17L	17 mm	50 mm	85 mm
F002/18L	18 mm	50 mm	85 mm
F002/19L	19 mm	50 mm	85 mm
F002/20L	20 mm	50 mm	85 mm
F002/21L	21 mm	50 mm	85 mm
F002/22L	22 mm	50 mm	85 mm
F002/23L	23 mm	50 mm	85 mm
F002/24L	24 mm	50 mm	85 mm
F002/25L	25 mm	50 mm	85 mm
F002/26L	26 mm	50 mm	85 mm
F002/27L	27 mm	50 mm	85 mm
F002/28L	28 mm	50 mm	85 mm
F002/29L	29 mm	50 mm	85 mm
F002/30L	30 mm	50 mm	85 mm
F002/31L	31 mm	50 mm	85 mm
F002/32L	32 mm	50 mm	85 mm
F002/33L	33 mm	50 mm	85 mm
F002/34L	34 mm	50 mm	85 mm
F002/35L	35 mm	50 mm	85 mm
F002/36L	36 mm	50 mm	85 mm
F002/37L	37 mm	50 mm	85 mm
F002/38L	38 mm	50 mm	85 mm
F002/39L	39 mm	50 mm	85 mm
F002/40L	40 mm	50 mm	85 mm
F002/41L	41 mm	50 mm	85 mm
F002/42L	42 mm	50 mm	85 mm
F002/43L	43 mm	50 mm	85 mm
F002/44L	44 mm	50 mm	85 mm
F002/45L	45 mm	50 mm	85 mm
F002/46L	46 mm	50 mm	85 mm
F002/47L	47 mm	50 mm	85 mm
F002/48L	48 mm	50 mm	85 mm
F002/49L	49 mm	50 mm	85 mm
F002/50L	50 mm	50 mm	85 mm
F002/55L	55 mm	50 mm	85 mm
F002/60L	60 mm	50 mm	85 mm

F002-XPL

LONG TWIST DRILLS WELDON SHANK

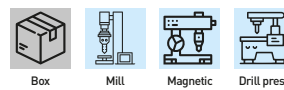


Art.	ø	l	L
F002/006PL	6 mm	55 mm	86.50 mm
F002/007PL	7 mm	55 mm	86.50 mm
F002/008PL	8 mm	55 mm	86.50 mm
F002/009PL	9 mm	55 mm	86.50 mm
F002/010PL	10 mm	55 mm	86.50 mm
F002/011PL	11 mm	55 mm	86.50 mm

F002/P

PILOT PIN

For weldon shank core drills.

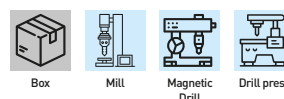


Dimensions 6,35 x 77 mm

F002/PL

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

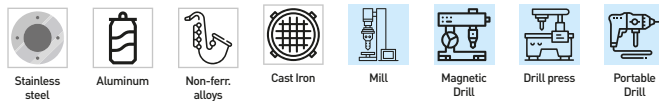
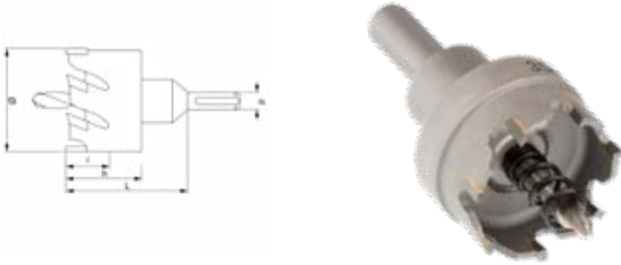




F019-

TCT CORE DRILL

With lateral chip and center drill. Maximum cutting depth 5 mm.



Art.	ø	h	d	L	Cutting Depth	Thread
F019/015	15 mm	28 mm	10 mm	50 mm	5 mm	-
F019/016	16 mm	28 mm	10 mm	50 mm	5 mm	-
F019/017	17 mm	28 mm	10 mm	50 mm	5 mm	-
F019/018	18 mm	28 mm	10 mm	50 mm	5 mm	-
F019/019	19 mm	28 mm	10 mm	50 mm	5 mm	-
F019/020	20 mm	28 mm	10 mm	50 mm	5 mm	-
F019/021	21 mm	28 mm	10 mm	50 mm	5 mm	-
F019/022	22 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/023	23 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/024	24 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/025	25 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/026	26 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/027	27 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/028	28 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/029	29 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/030	30 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/031	31 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/032	32 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/033	33 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/034	34 mm	28 mm	10 mm	50 mm	5 mm	M12 x 1,25
F019/035	35 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/036	36 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/037	37 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/038	38 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/039	39 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/040	40 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/041	41 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/042	42 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/043	43 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/044	44 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/045	45 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/046	46 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/047	47 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/048	48 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/049	49 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/050	50 mm	28 mm	10 mm	50 mm	5 mm	M14 x 1,5
F019/051	51 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/052	52 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/053	53 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/054	54 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/055	55 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/056	56 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/057	57 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/058	58 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/059	59 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/060	60 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/065	65 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/070	70 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/075	75 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/080	80 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/085	85 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/090	90 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/095	95 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5
F019/100	100 mm	28 mm	12 mm	50 mm	5 mm	M16 x 1,5

F019/006

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

TCT CORE DRILL SET

With lateral chip and center drill.

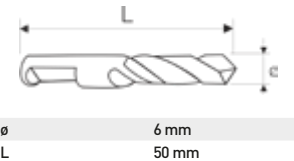


Sizes	16 mm, 18 mm, 20 mm, 22 mm, 25 mm, 30 mm, 32 mm, 35 mm
Cutting Depth	5 mm

F019/005

CENTER DRILL

For item F019-.



F019/007

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.



Hangable

HSS



R $\leq 800N/mm^2$



Steel



Stainless steel



Aluminum



Non-ferr. alloys



Plastic



Cast Iron



Emulsion



Mill



Drill

Art.	ϕ	h	d	L	Thread
F015/012	12 mm	23 mm	8 mm	56 mm	M10 x 1,25
F015/013	13 mm	23 mm	8 mm	56 mm	M10 x 1,25
F015/014	14 mm	23 mm	8 mm	56 mm	M10 x 1,25
F015/015	15 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/016	16 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/017	17 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/018	18 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/019	19 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/020	20 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/021	21 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/022	22 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/023	23 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/024	24 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/025	25 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/026	26 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/027	27 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/028	28 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/029	29 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/030	30 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/031	31 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/032	32 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/033	33 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/034	34 mm	23 mm	10 mm	56 mm	M12 x 1,25
F015/035	35 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/036	36 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/037	37 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/038	38 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/039	39 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/040	40 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/041	41 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/042	42 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/043	43 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/044	44 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/045	45 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/046	46 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/047	47 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/048	48 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/049	49 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/050	50 mm	23 mm	10 mm	56 mm	M14 x 1,5
F015/051	51 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/052	52 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/053	53 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/054	54 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/055	55 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/056	56 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/057	57 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/058	58 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/059	59 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/060	60 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/065	65 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/070	70 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/075	75 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/080	80 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/085	85 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/090	90 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/095	95 mm	23 mm	12 mm	56 mm	M16 x 1,5
F015/100	100 mm	23 mm	12 mm	56 mm	M16 x 1,5

F015/006S

DRILL BIT HOLE SAW SET

With lateral chip and center drill.



6 Pcs



Carrying case

HSS



R $\leq 800N/mm^2$



Steel

Sizes

16 mm, 18 mm, 20 mm, 22 mm, 25 mm, 30 mm

F015/008S

DRILL BIT HOLE SAW SET

With lateral chip and center drill.



8 Pcs



Carrying case

HSS



R $\leq 800N/mm^2$



Steel

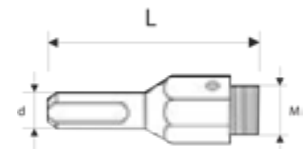
Sizes

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-.



Hangable



Mill



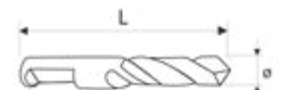
Drill

Art.	ϕ	d	L	Thread
F015/001	12 - 14 mm	8 mm	56 mm	M10 x 1,25
F015/002	15-34 mm	10 mm	56 mm	M12 x 1,25
F015/003	35-50 mm	10 mm	56 mm	M14 x 1,5
F015/004	51-100 mm	12 mm	60 mm	M16 x 1,5

F015/005

CENTER DRILL

For item F015-



Box

HSS

ϕ 6 mm
L 50 mm

F015/007

SPRING

For item F015-.



Box



Steel

BI-METAL CUP SAW

Equipped with variable toothting 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/mm2	530	360	280	230	190	170	140	130	120	110	90	80	80	70	60	50	Emulsion
Alloy steel R< 1100÷1300N/mm2	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.

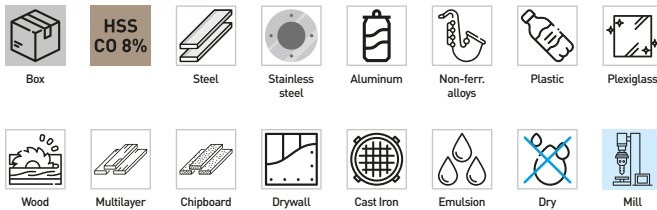




0278-

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

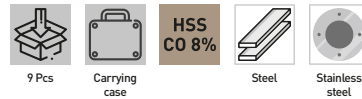


Art.	ø	ø inch
0278/014	14 mm	9/16
0278/016	16 mm	5/8
0278/017	17 mm	11/16
0278/019	19 mm	3/4
0278/020	20 mm	25/32
0278/021	21 mm	13/16
0278/022	22 mm	7/8
0278/024	24 mm	15/16
0278/025	25 mm	1
0278/027	27 mm	1-1/16
0278/029	29 mm	1-1/8
0278/030	30 mm	1-3/16
0278/032	32 mm	1-1/4
0278/033	33 mm	1-5/16
0278/035	35 mm	1-3/8
0278/037	37 mm	1-7/16
0278/038	38 mm	1-1/2
0278/040	40 mm	1-9/16
0278/041	41 mm	1-5/8
0278/043	43 mm	1-11/16
0278/044	44 mm	1-3/4
0278/046	46 mm	1-13/16
0278/048	48 mm	1-7/8
0278/051	51 mm	2
0278/052	52 mm	2-1/16
0278/054	54 mm	2-1/8
0278/057	57 mm	2-1/4
0278/059	59 mm	2-5/16
0278/060	60 mm	2-3/8
0278/064	64 mm	2-1/2
0278/065	65 mm	2-9/16
0278/067	67 mm	2-5/8
0278/068	68 mm	2-11/16
0278/070	70 mm	2-3/4
0278/073	73 mm	2-7/8
0278/076	76 mm	3
0278/079	79 mm	3-1/8
0278/083	83 mm	3-1/4
0278/085	85 mm	3-3/8
0278/089	89 mm	3-1/2
0278/092	92 mm	3-5/8
0278/095	95 mm	3-3/4
0278/098	98 mm	3-7/8
0278/102	102 mm	4
0278/105	105 mm	4-1/8
0278/108	108 mm	4-1/4
0278/111	111 mm	4-3/8
0278/114	114 mm	4-1/2
0278/121	121 mm	4-3/4
0278/127	127 mm	5
0278/140	140 mm	5-1/2
0278/152	152 mm	6

0278/002S

HOLE SAW SET

Electrician kit.



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

HOLE SAW SET

Repairman set



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

HOLE SAW SET

Plumber set

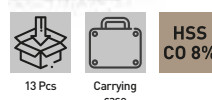


Hole saw	19 - 22 - 29 mm
Corresponding arbors, adapter, bits	0712/600
Hole saw	38 - 44 - 57 mm
Corresponding arbors, adapter, bits	0712/800 - 0712/900

0278/009S

HOLE SAW SET

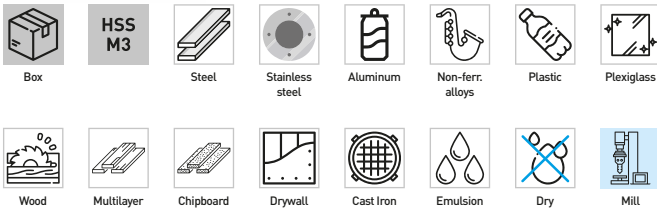
Installer set



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

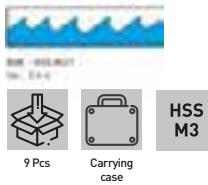
Thanks to the geometry of the variable toothting, it is possible to perform rapid and precise cuts as well as greater heat dispersion during cutting for less wear of the teeth. Furthermore, there is a considerable reduction of seizure



Art.	ø	ø inch
0712/014	14 mm	9/16
0712/016	16 mm	5/8
0712/017	17 mm	11/16
0712/019	19 mm	3/4
0712/020	20 mm	25/32
0712/021	21 mm	13/16
0712/022	22 mm	7/8
0712/024	24 mm	15/16
0712/025	25 mm	1
0712/027	27 mm	1-1/16
0712/029	29 mm	1-1/8
0712/030	30 mm	1-3/16
0712/032	32 mm	1-1/4
0712/033	33 mm	1-5/16
0712/035	35 mm	1-3/8
0712/037	37 mm	1-7/16
0712/038	38 mm	1-1/2
0712/040	40 mm	1-9/16
0712/041	41 mm	1-5/8
0712/043	43 mm	1-11/16
0712/044	44 mm	1-3/4
0712/046	46 mm	1-13/16
0712/048	48 mm	1-7/8
0712/051	51 mm	2
0712/052	52 mm	2-1/16
0712/054	54 mm	2-1/8
0712/057	57 mm	2-1/4
0712/059	59 mm	2-5/16
0712/060	60 mm	2-3/8
0712/064	64 mm	2-1/2
0712/065	65 mm	2-9/16
0712/067	67 mm	2-5/8
0712/068	68 mm	2-11/16
0712/070	70 mm	2-3/4
0712/073	73 mm	2-7/8
0712/076	76 mm	3
0712/079	79 mm	3-1/8
0712/083	83 mm	3-1/4
0712/085	85 mm	3-3/8
0712/089	89 mm	3-1/2
0712/092	92 mm	3-5/8
0712/095	95 mm	3-3/4
0712/098	98 mm	3-7/8
0712/102	102 mm	4
0712/105	105 mm	4-1/8
0712/108	108 mm	4-1/4
0712/111	111 mm	4-3/8
0712/114	114 mm	4-1/2
0712/121	121 mm	4-3/4
0712/127	127 mm	5
0712/140	140 mm	5-1/2
0712/152	152 mm	6

0712/002
HOLE SAW SET

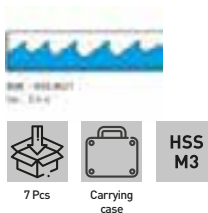
Electrician kit.



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
HOLE SAW SET

Repairman set.



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
HOLE SAW SET

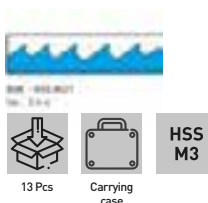
Plumber set



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
HOLE SAW SET

Installer set.



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

HOLE SAW SET

Industry kit.



21 Pcs



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.



HSS

Box

Art.	Stem	For arbor	Length	Pack
0712/300	Ø 6,35 mm	0712/600	105 mm	10
0712/200	Ø 6,35 mm	0712/700 - 800	75 mm	10

0712/900

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

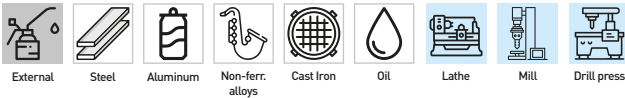
HSS

Art.	Shank	Stem	Hole saw	Thread
0712/600	Shank Round	Ø 6,35 mm	Ø 14÷30 mm	1/2"
0712/700	Shank Hexagonal	Ø 9,5 mm	Ø 14÷30 mm	1/2"
0712/800	Shank Hexagonal	Ø 11 mm	Ø 32÷152 mm	5/8"



A208B-
MACHINE REAMER

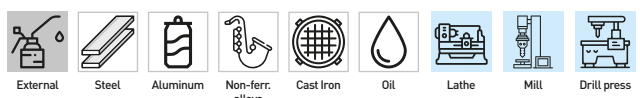
Ground for H7 couplings. Right-hand cut, left-hand helical cutting edges, morse taper attachment. They can be used mainly for through holes but thanks to the short mouth it is also possible to bore blind holes.



Art.	øH7	L	I	MT
A208B/05	5 mm	133 mm	23 mm	1
A208B/06	6 mm	138 mm	26 mm	1
A208B/07	7 mm	150 mm	31 mm	1
A208B/08	8 mm	156 mm	33 mm	1
A208B/09	9 mm	162 mm	36 mm	1
A208B/10	10 mm	168 mm	38 mm	1
A208B/11	11 mm	175 mm	41 mm	1
A208B/12	12 mm	182 mm	44 mm	1
A208B/13	13 mm	182 mm	44 mm	1
A208B/14	14 mm	189 mm	47 mm	1
A208B/15	15 mm	204 mm	50 mm	2
A208B/16	16 mm	210 mm	52 mm	2
A208B/17	17 mm	214 mm	54 mm	2
A208B/18	18 mm	219 mm	56 mm	2
A208B/19	19 mm	223 mm	58 mm	2
A208B/20	20 mm	228 mm	60 mm	2
A208B/21	21 mm	232 mm	62 mm	2
A208B/22	22 mm	237 mm	64 mm	2
A208B/23	23 mm	241 mm	66 mm	2
A208B/24	24 mm	268 mm	68 mm	3
A208B/25	25 mm	268 mm	68 mm	3
A208B/26	26 mm	273 mm	70 mm	3
A208B/27	27 mm	277 mm	71 mm	3
A208B/28	28 mm	277 mm	71 mm	3
A208B/29	29 mm	281 mm	73 mm	3
A208B/30	30 mm	281 mm	73 mm	3
A208B/31	31 mm	285 mm	75 mm	3
A208B/32	32 mm	317 mm	77 mm	4
A208B/34	34 mm	321 mm	78 mm	4
A208B/35	35 mm	321 mm	78 mm	4
A208B/36	36 mm	325 mm	79 mm	4
A208B/38	38 mm	329 mm	81 mm	4
A208B/40	40 mm	329 mm	81 mm	4

A212-
MACHINE REAMER

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	2 mm	49 mm	11 mm	2 mm	4
A212/02.50	2,5 mm	57 mm	14 mm	2,5 mm	4
A212/03.00	3 mm	61 mm	15 mm	3 mm	4
A212/03.50	3,5 mm	70 mm	18 mm	3,5 mm	6
A212/04.50	4,5 mm	80 mm	21 mm	4,5 mm	6
A212/05.00	5 mm	86 mm	23 mm	5 mm	6
A212/05.50	5,5 mm	93 mm	26 mm	5,5 mm	6
A212/06.00	6 mm	93 mm	26 mm	6 mm	6
A212/06.50	6,5 mm	101 mm	28 mm	6,5 mm	6
A212/07.00	7 mm	109 mm	31 mm	7 mm	6
A212/07.50	7,5 mm	109 mm	31 mm	7 mm	6
A212/08.00	8 mm	117 mm	33 mm	8 mm	6
A212/08.50	8,5 mm	117 mm	33 mm	8 mm	6
A212/09.00	9 mm	125 mm	36 mm	9 mm	6
A212/09.50	9,5 mm	125 mm	36 mm	9 mm	6
A212/10.00	10 mm	133 mm	38 mm	10 mm	6
A212/11.00	11 mm	142 mm	41 mm	10 mm	6
A212/12.00	12 mm	151 mm	44 mm	10 mm	6
A212/13.00	13 mm	151 mm	44 mm	10 mm	6
A212/14.00	14 mm	160 mm	47 mm	12 mm	6
A212/15.00	15 mm	162 mm	50 mm	12 mm	8
A212/16.00	16 mm	170 mm	52 mm	12 mm	8

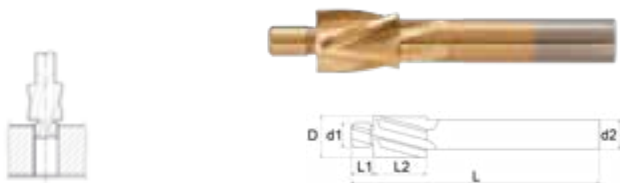




L018-

SOLID CAP SCREW COUNTER BORE BEFORE THREAD GRADE

For pre-drilled threads.

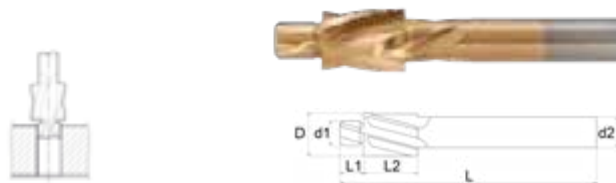


Art.	Screw	D	d1	d2	L1	L2	L
L018/03	M3	6 mm	2,5 mm	5 mm	4 mm	14 mm	71 mm
L018/04	M4	8 mm	3,3 mm	5 mm	5 mm	14 mm	71 mm
L018/05	M5	10 mm	4,2 mm	8 mm	6 mm	18 mm	80 mm
L018/06	M6	11 mm	5,0 mm	8 mm	7 mm	18 mm	80 mm
L018/08	M8	15 mm	6,8 mm	12,5 mm	9 mm	22 mm	100 mm
L018/10	M10	18 mm	8,5 mm	12,5 mm	14 mm	22 mm	100 mm
L018/12	M12	20 mm	10,2 mm	12,5 mm	14 mm	22 mm	100 mm

L019-

SOLID CAP SCREW COUNTER BORE FINE GRADE

For through holes for the execution of precision screws or bolts.

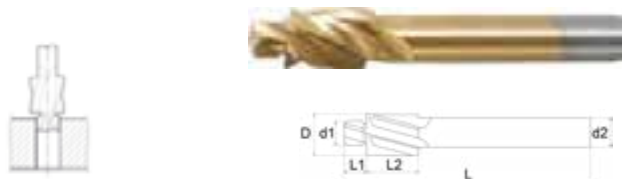


Art.	Screw	D	d1	d2	L1	L2	L
L019/03	M3	6 mm	3,2 mm	5 mm	4 mm	14 mm	71 mm
L019/04	M4	8 mm	4,3 mm	5 mm	5 mm	14 mm	71 mm
L019/05	M5	10 mm	5,3 mm	8 mm	6 mm	18 mm	80 mm
L019/06	M6	11 mm	6,4 mm	8 mm	7 mm	18 mm	80 mm
L019/08	M8	15 mm	8,4 mm	12,5 mm	9 mm	22 mm	100 mm
L019/10	M10	18 mm	10,5 mm	12,5 mm	14 mm	22 mm	100 mm
L019/12	M12	20 mm	13,0 mm	12,5 mm	14 mm	22 mm	100 mm

L020-

COUNTERBORER WITH SOLID PILOT STRAIGHT SHANK MEDIUM TYPE

For through holes.

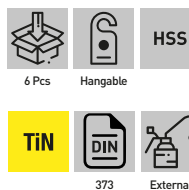


Art.	Screw	D	d1	d2	L1	L2	L
L020/03	M 3	6 mm	3,4 mm	5 mm	4 mm	14 mm	71 mm
L020/04	M 4	8 mm	4,5 mm	5 mm	5 mm	14 mm	71 mm
L020/05	M 5	10 mm	5,5 mm	8 mm	6 mm	18 mm	80 mm
L020/06	M 6	11 mm	6,6 mm	8 mm	7 mm	18 mm	80 mm
L020/08	M 8	15 mm	9 mm	12,5 mm	9 mm	22 mm	100 mm
L020/10	M 10	18 mm	11 mm	12,5 mm	14 mm	22 mm	100 mm
L020/12	M 12	20 mm	13,5 mm	12,5 mm	14 mm	22 mm	100 mm

L018S

SOLID CAP SCREW COUNTER BORE SET BEFORE THREAD

For pre-drilled threads.

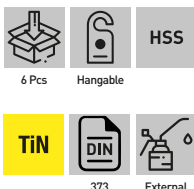


For screws M3, M4, M5, M6, M8, M10

L019S

SOLID CAP SCREW COUNTER BORE SET FINE GRADE

For through holes for the execution of precision screws or bolts.

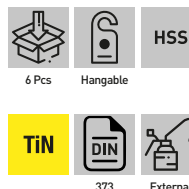


For screws M3, M4, M5, M6, M8, M10

L020S

SOLID CAP SCREW COUNTER BORE SET MEDIUM GRADE

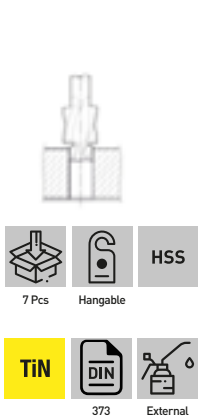
For through holes.



For screws M3, M4, M5, M6, M8, M10

L020
7 PCS COUNTERBORER WITH SOLID PILOT STRAIGHT SHANK

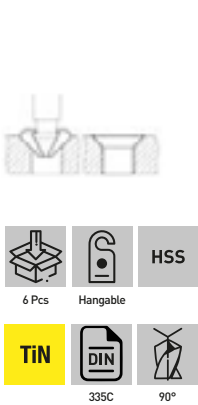
For through holes.



For screws M3, M4, M5, M6, M8, M10, M12

S001
90° THREE FLUTES COUNTERSINK SET

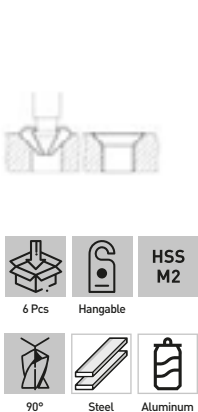
With ground edges and grooves machined from solid, to perform conical countersinks without vibrations.



ø max 6 - 8 - 10 - 12,4 - 16,5 - 20,5 mm

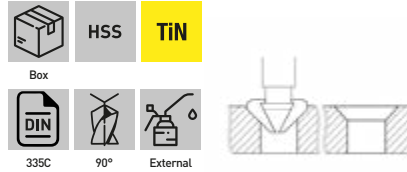
S026/06-20S
COUNTERSINK SET WITH HEX SHANK

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

S0X
NEW
90° THREE FLUTES COUNTERSINK

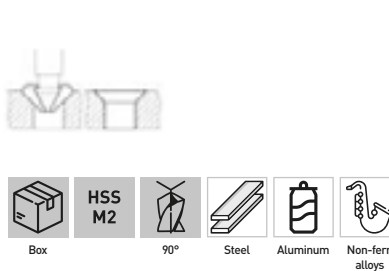
With ground edges and grooves machined from solid, to perform conical countersinks without vibrations.



Art.	ø max	Screws M	Stem
S006	6,3 mm	3	Ø 5 mm
S006/A	6 mm	3 - DIN 74 AF	Ø 5 mm
S008	8 mm	4 - DIN 74 AF	Ø 6 mm
S010	10,4 mm	5	Ø 6 mm
S010/A	10 mm	5 - DIN 74 AF	Ø 6 mm
S012	12,4 mm	6	Ø 8 mm
S016	16,5 mm	8	Ø 10 mm
S020	20,5 mm	10	Ø 10 mm
S025	25 mm	12	Ø 10 mm
S028	28 mm	14	Ø 12 mm
S031	31 mm	16	Ø 12 mm
S040	40 mm	--	Ø 15 mm

S026-
COUNTERSINK WITH HEX SHANK

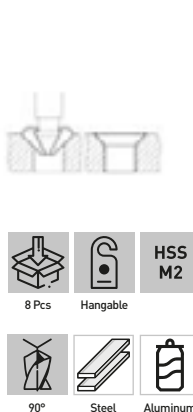
To perform conical countersinks without vibrations.



Art.	ø	Total length	Shank dimensions
S026/06	6,3 mm	31 mm	1/4" HEX x 25 mm
S026/08	8,3 mm	31 mm	1/4" HEX x 25 mm
S026/10	10,4 mm	34 mm	1/4" HEX x 25 mm
S026/12	12,4 mm	35 mm	1/4" HEX x 25 mm
S026/16	16,5 mm	40 mm	1/4" HEX x 25 mm
S026/20	20,5 mm	41 mm	1/4" HEX x 25 mm

S026/06-20SM
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



S1- **NEW**

60° THREE FLUTES COUNTERSINK

With ground edges and grooves machined from solid, to perform conical countersinks without vibrations.



Art.	∅ max	Length	Stem
S1/06	6.3 mm	45 mm	5 mm
S1/08	8 mm	50 mm	6 mm
S1/10	10 mm	53 mm	6 mm
S1/12	12,5 mm	56 mm	8 mm
S1/16	16 mm	63 mm	10 mm
S1/20	20 mm	67 mm	10 mm
S1/25	25 mm	71 mm	10 mm

A014-

TAPER DRILL

With cylindrical shank.



Art.	∅	Total length
A014/03-14	3 - 14 mm	58 mm
A014/06-20	6 - 20 mm	63 mm
A014/16-30	16 - 30,5 mm	72 mm
A014/26-40	26 - 40 mm	86 mm
A014/36-50	36 - 50 mm	89 mm
A014/40-61	40 - 61 mm	94 mm
A014/03-31	3 - 31 mm	104 mm
A014/03-22	3 - 22,5 mm	76 mm

F639

STEP DRILL BITS

For creating and enlarging holes in sheet metal.



Stem	∅
	6 + 39 (6-9-12-15-18-21-24-27-30-33-36-39) mm

S001/60 **NEW**

60° THREE FLUTES COUNTERSINK SET

With ground edges and grooves machined from solid, to perform conical countersinks without vibrations.



∅ max	∅ max
	6-8-10-12,5-16-20 mm

A014/03-30S

TAPER DRILLS SET

With cylindrical shank.



Sizes	Sizes
	3-14 - 6-20 - 16-30,5 mm

F430

STEP DRILL BITS SET

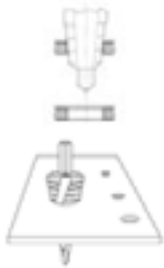
For creating and enlarging holes in sheet metal.



Stem	∅
	6 - 8 - 10 mm 4 + 12 - 6 + 20 - 6 + 30 mm

F23X
STEP DRILL BITS

For creating and enlarging holes in sheet metal, with interchangeable point.



Art.	Stem	Ø
F232	10 mm	2,5 ÷ 32 (2,5-6,3-11,2-14,5-18,2-22,3-27,9-32) mm
F238	10 mm	2,5 ÷ 38 (2,5-6,3-13-16-19-21-23-26-29-32-35-38) mm

F025
SPARE PART POINT

Suitable with F232 F238.



Stem	4 mm
Spare part point	Ø 2,5 mm

P037-
MILLING DRILLS

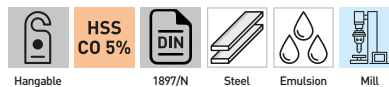
For drilling and milling of thin materials.



Art.	Ø	Stem	Total length
P037/6	6 mm	6 mm	90 mm
P037/8	8 mm	8 mm	90 mm

P036-
SPOT DRILLS

To remove welding spots and to drill metal sheets in general.



Art.	Ø	Total length
P036/06	6 mm	66 mm
P036/07	7 mm	74 mm
P036/08	8 mm	79 mm
P036/10	10 mm	89 mm

F001/10
SET FRONTAL ROUGHING END MILLS

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
SET END MILLS

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



F005-

2 FLUTE STRAIGHT SHANK END MILL

For finish, cylindrical shank, weldon connection, normal series.



Art.	D	d	l	Z	L
F005/03	3 mm	6 mm	5 mm	2	49 mm
F005/04	4 mm	6 mm	7 mm	2	51 mm
F005/05	5 mm	6 mm	8 mm	2	52 mm
F005/06	6 mm	6 mm	8 mm	2	52 mm
F005/08	8 mm	10 mm	11 mm	2	61 mm
F005/10	10 mm	10 mm	13 mm	2	63 mm
F005/12	12 mm	12 mm	16 mm	2	73 mm



Art.	D	d	l	Z	L
F005/14	14 mm	12 mm	16 mm	2	73 mm
F005/16	16 mm	16 mm	19 mm	2	79 mm
F005/18	18 mm	16 mm	19 mm	2	79 mm
F005/20	20 mm	20 mm	22 mm	2	88 mm
F005/22	22 mm	20 mm	22 mm	2	88 mm
F005/24	24 mm	20 mm	26 mm	2	92 mm
F005/25	25 mm	20 mm	26 mm	2	92 mm

F006-

4 FLUTE STRAIGHT SHANK END MILL

For finish, cylindrical shank, weldon connection, normal series.



Art.	D	d	l	Z	L
F006/03	3 mm	6 mm	8 mm	4	52 mm
F006/04	4 mm	6 mm	11 mm	4	55 mm
F006/05	5 mm	6 mm	13 mm	4	57 mm
F006/06	6 mm	6 mm	13 mm	4	57 mm
F006/08	8 mm	10 mm	19 mm	4	69 mm
F006/10	10 mm	10 mm	22 mm	4	72 mm



Art.	D	d	l	Z	L
F006/12	12 mm	12 mm	26 mm	4	83 mm
F006/14	14 mm	12 mm	26 mm	4	83 mm
F006/16	16 mm	16 mm	32 mm	4	92 mm
F006/18	18 mm	16 mm	32 mm	4	92 mm
F006/20	20 mm	20 mm	38 mm	4	104 mm

F007-

4 FLUTE STRAIGHT SHANK ROUGHING END MILL

Regular length weldon shank center cutting.



Art.	D	d	l	Z	L
F007/06	6 mm	6 mm	13 mm	4	57 mm
F007/07	7 mm	10 mm	16 mm	4	66 mm
F007/08	8 mm	10 mm	19 mm	4	69 mm
F007/09	9 mm	10 mm	19 mm	4	69 mm
F007/10	10 mm	10 mm	22 mm	4	72 mm
F007/11	11 mm	12 mm	22 mm	4	76 mm
F007/12	12 mm	12 mm	26 mm	4	83 mm
F007/13	13 mm	12 mm	26 mm	4	83 mm



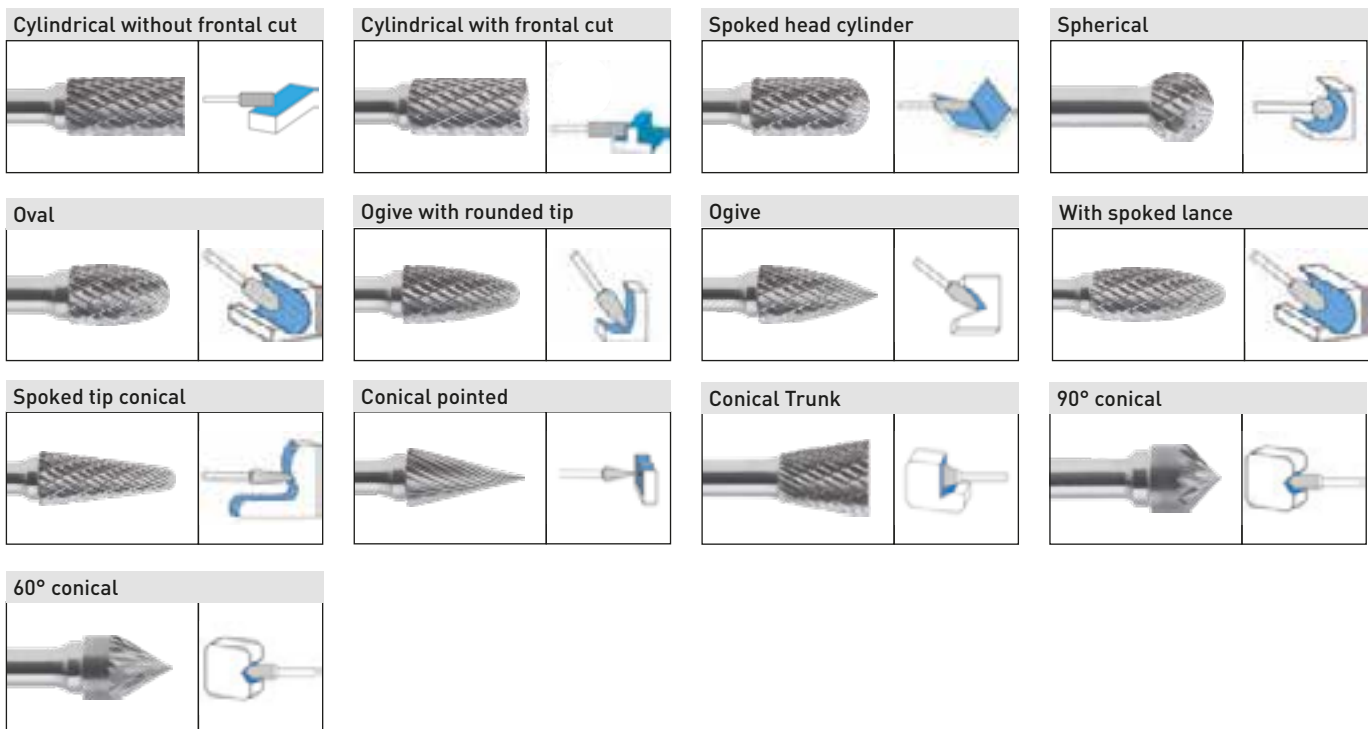
Art.	D	d	l	Z	L
F007/14	14 mm	12 mm	26 mm	4	83 mm
F007/15	15 mm	12 mm	26 mm	4	83 mm
F007/16	16 mm	16 mm	32 mm	4	92 mm
F007/18	18 mm	16 mm	32 mm	4	92 mm
F007/20	20 mm	20 mm	38 mm	4	104 mm
F007/22	22 mm	20 mm	38 mm	4	104 mm
F007/25	25 mm	25 mm	45 mm	4	121 mm



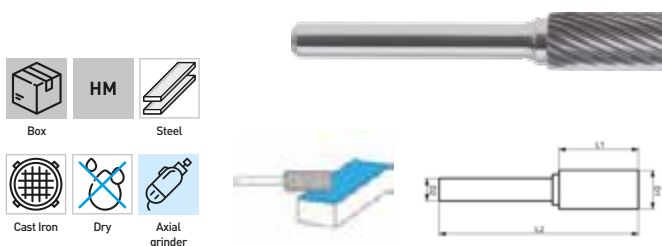
HARD METAL ROTARY MILLING MACHINES

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

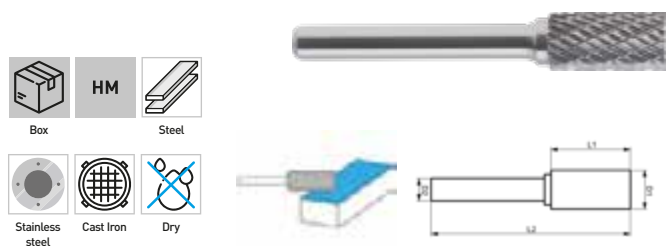


AXSC CYLINDRICAL ROTARY CUTTERS WITHOUT FACE CUT



Art.	D1	L1	D2	L2
A02SC3	ø2 mm	10 mm	3 mm	38 mm
A06SC6	ø6 mm	16 mm	6 mm	61 mm
A08SC6	ø8 mm	20 mm	6 mm	65 mm
A10SC6	ø10 mm	20 mm	6 mm	65 mm
A12SC6	ø12 mm	25 mm	6 mm	70 mm
A16SC6	ø16 mm	25 mm	6 mm	70 mm

AXDC ROTARY BURRS Diamond cut

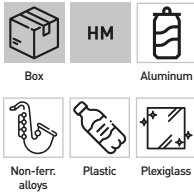


Art.	D1	L1	D2	L2
A02DC3	ø2 mm	10 mm	3 mm	38 mm
A06DC6	ø6 mm	16 mm	6 mm	61 mm
A08DC6	ø8 mm	20 mm	6 mm	65 mm
A10DC6	ø10 mm	20 mm	6 mm	65 mm
A12DC6	ø12 mm	25 mm	6 mm	70 mm
A16DC6	ø16 mm	25 mm	6 mm	70 mm



A12AL6

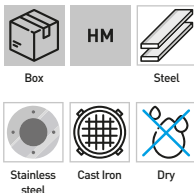
ROTARY BURRS FOR ALUMINIUM



D1	ø12 mm
L1	25 mm
D2	6 mm
L2	70 mm

BXDC

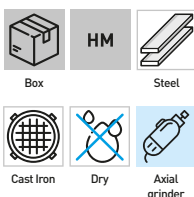
DIAMOND CUT ROTARY BURRS



Art.	D1	L1	D2	L2
B02DC3	ø2 mm	10 mm	3 mm	38 mm
B03DC3	ø3 mm	13 mm	3 mm	38 mm
B04DC3	ø4 mm	13 mm	3 mm	41 mm
B04DC6	ø4 mm	13 mm	6 mm	58 mm
B06DC6	ø6 mm	16 mm	6 mm	61 mm
B08DC6	ø8 mm	20 mm	6 mm	65 mm
B10DC6	ø10 mm	20 mm	6 mm	65 mm
B12DC6	ø12 mm	25 mm	6 mm	70 mm
B16DC6	ø16 mm	25 mm	6 mm	70 mm
B19DC6	ø19 mm	25 mm	6 mm	70 mm
B22DC6	ø22 mm	25 mm	6 mm	70 mm
B25DC6	ø25 mm	25 mm	6 mm	70 mm

BXSCXL

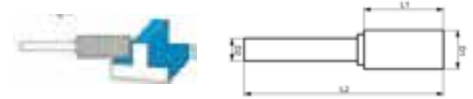
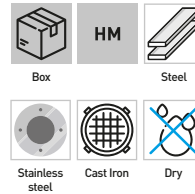
SINGLE CUT LONG ROTARY BURRS



Art.	D1	L1	D2	L2
B02SC3L	ø2 mm	10 mm	3 mm	65 mm
B03SC3L	ø3 mm	13 mm	3 mm	65 mm
B08SC6L	ø8 mm	20 mm	6 mm	120 mm
B10SC6L	ø10 mm	20 mm	6 mm	120 mm
B12SC6L	ø12 mm	25 mm	6 mm	120 mm

BXSC

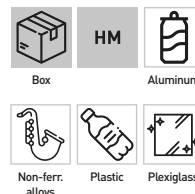
SINGLE CUT ROTARY BURRS



Art.	D1	L1	D2	L2
B02SC3	ø2 mm	10 mm	3 mm	38 mm
B03SC3	ø3 mm	13 mm	3 mm	38 mm
B04SC3	ø4 mm	13 mm	3 mm	41 mm
B04SC6	ø4 mm	13 mm	6 mm	58 mm
B06SC6	ø6 mm	16 mm	6 mm	61 mm
B08SC6	ø8 mm	20 mm	6 mm	65 mm
B10SC6	ø10 mm	20 mm	6 mm	65 mm
B12SC6	ø12 mm	25 mm	6 mm	70 mm
B16SC6	ø16 mm	25 mm	6 mm	70 mm

BXAL

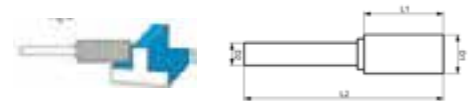
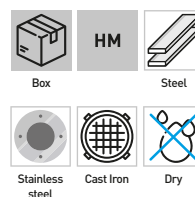
ROTARY BURRS FOR ALUMINIUM



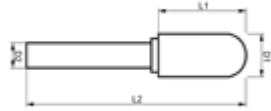
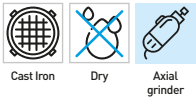
Art.	D1	L1	D2	L2
B06AL6	ø6 mm	16 mm	6 mm	61 mm
B08AL6	ø8 mm	20 mm	6 mm	65 mm
B10AL6	ø10 mm	20 mm	6 mm	65 mm
B12AL6	ø12 mm	25 mm	6 mm	70 mm

BXDCXL

CARBIDE ROTARY BURRS



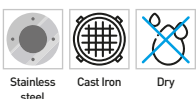
Art.	D1	L1	D2	L2
B02DC3L	ø2 mm	10 mm	3 mm	65 mm
B03DC3L	ø3 mm	13 mm	3 mm	65 mm
B08DC6L	ø8 mm	20 mm	6 mm	120 mm
B10DC6L	ø10 mm	20 mm	6 mm	120 mm
B12DC6L	ø12 mm	25 mm	6 mm	120 mm

CXSC
SINGLE CUT ROTARY BURRS


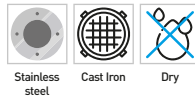
Art.	D1	L1	D2	L2
C02SC3	ø2 mm	10 mm	3 mm	38 mm
C03SC3	ø3 mm	13 mm	3 mm	38 mm
C04SC3	ø4 mm	13 mm	3 mm	58 mm
C04SC6	ø4 mm	13 mm	6 mm	58 mm
C06SC6	ø6 mm	16 mm	6 mm	61 mm
C08SC6	ø8 mm	20 mm	6 mm	65 mm
C10SC6	ø10 mm	20 mm	6 mm	65 mm
C12SC6	ø12 mm	25 mm	6 mm	70 mm
C16SC6	ø16 mm	25 mm	6 mm	70 mm

CXAL
ROTARY BURRS FOR ALUMINIUM

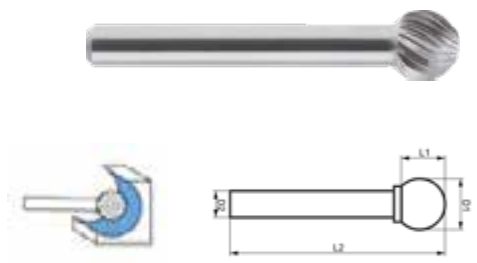

Art.	D1	L1	D2	L2
C06AL6	ø6 mm	16 mm	6 mm	61 mm
C08AL6	ø8 mm	20 mm	6 mm	65 mm
C10AL6	ø10 mm	20 mm	6 mm	65 mm
C12AL6	ø12 mm	25 mm	6 mm	70 mm

DXDC
DIAMOND CUT ROTARY BURRS


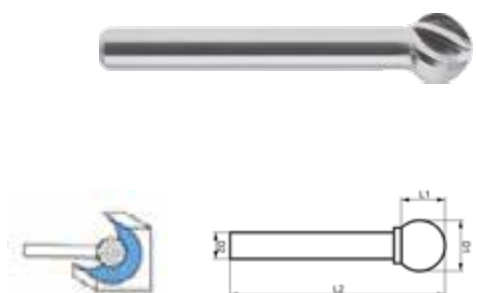
Art.	D1	L1	D2	L2
D03DC3	ø3 mm	2.7 mm	3 mm	38 mm
D04DC6	ø4 mm	3.6 mm	6 mm	38 mm
D06DC6	ø6 mm	5.4 mm	6 mm	50 mm
D08DC6	ø8 mm	7.2 mm	6 mm	52 mm
D10DC6	ø10 mm	9 mm	6 mm	54 mm
D12DC6	ø12 mm	10.8 mm	6 mm	56 mm
D16DC6	ø16 mm	14.4 mm	6 mm	60 mm
D19DC6	ø19 mm	17.4 mm	6 mm	64 mm

CXDC
DIAMOND CUT ROTARY BURRS


Art.	D1	L1	D2	L2
C02DC3	ø2 mm	10 mm	3 mm	38 mm
C03DC3	ø3 mm	13 mm	3 mm	38 mm
C04DC3	ø4 mm	13 mm	3 mm	38 mm
C04DC6	ø4 mm	13 mm	6 mm	38 mm
C06DC6	ø6 mm	16 mm	6 mm	61 mm
C08DC6	ø8 mm	20 mm	6 mm	65 mm
C10DC6	ø10 mm	20 mm	6 mm	65 mm
C12DC6	ø12 mm	25 mm	6 mm	70 mm
C16DC6	ø16 mm	25 mm	6 mm	70 mm
C19DC6	ø19 mm	25 mm	6 mm	70 mm
C22DC6	ø22 mm	25 mm	6 mm	70 mm
C25DC6	ø25 mm	25 mm	6 mm	70 mm

DXSC
SINGLE CUT ROTARY BURRS


Art.	D1	L1	D2	L2
D03SC3	ø3 mm	2.7 mm	3 mm	38 mm
D04SC6	ø4 mm	3.6 mm	6 mm	38 mm
D06SC6	ø6 mm	5.4 mm	6 mm	50 mm
D08SC6	ø8 mm	7.2 mm	6 mm	52 mm
D10SC6	ø10 mm	9 mm	6 mm	54 mm
D12SC6	ø12 mm	10.8 mm	6 mm	56 mm
D16SC6	ø16 mm	14.4 mm	6 mm	60 mm

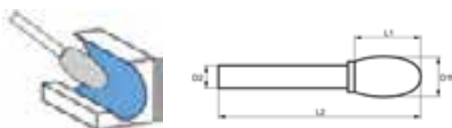
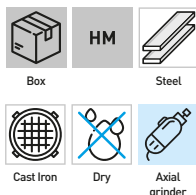
DXAL
ROTARY BURRS FOR ALUMINIUM


Art.	D1	L1	D2	L2
D06AL6	ø6 mm	5.4 mm	6 mm	50 mm
D08AL6	ø8 mm	7.2 mm	6 mm	52 mm
D10AL6	ø10 mm	9 mm	6 mm	54 mm



EXSC

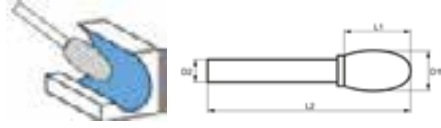
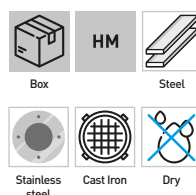
SINGLE CUT ROTARY BURRS



Art.	D1	L1	D2	L2
E08SC6	ø8 mm	13 mm	6 mm	58 mm
E10SC6	ø10 mm	16 mm	6 mm	61 mm
E12SC6	ø12 mm	20 mm	6 mm	65 mm
E16SC6	ø16 mm	25 mm	6 mm	70 mm

EXDC

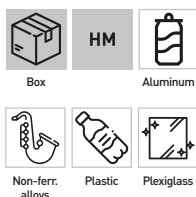
DIAMOND CUT ROTARY BURRS



Art.	D1	L1	D2	L2
E08DC6	ø8 mm	13 mm	6 mm	58 mm
E10DC6	ø10 mm	16 mm	6 mm	61 mm
E12DC6	ø12 mm	20 mm	6 mm	65 mm
E16DC6	ø16 mm	25 mm	6 mm	70 mm

EXAL

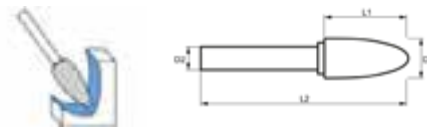
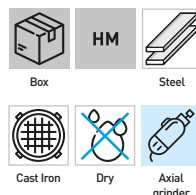
ROTARY BURRS FOR ALUMINIUM



Art.	D1	L1	D2	L2
E10AL6	10 mm	16 mm	6 mm	61 mm
E12AL6	12 mm	20 mm	6 mm	65 mm

FXSC

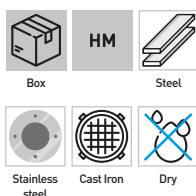
SINGLE CUT ROTARY BURRS



Art.	D1	D2	L1	L2
F03SC3	ø3 mm	13 mm	3 mm	38 mm
F06SC6	ø6 mm	18 mm	6 mm	63 mm
F08SC6	ø8 mm	20 mm	6 mm	65 mm
F10SC6	ø10 mm	20 mm	6 mm	65 mm
F12SC6	ø12 mm	25 mm	6 mm	70 mm

FXDC

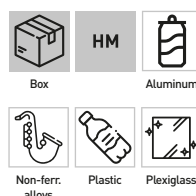
DIAMOND CUT ROTARY BURRS



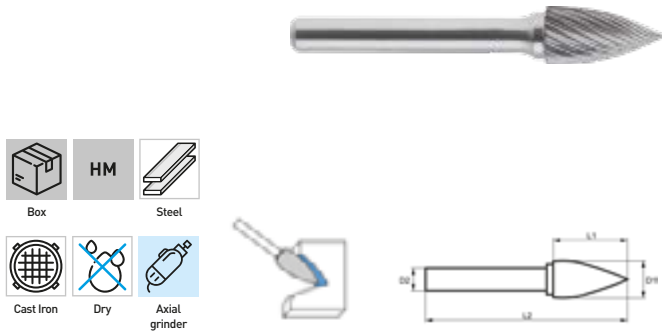
Art.	D1	D2	L1	L2
F03DC3	ø3 mm	13 mm	3 mm	38 mm
F06DC6	ø6 mm	18 mm	6 mm	63 mm
F08DC6	ø8 mm	20 mm	6 mm	65 mm
F10DC6	ø10 mm	20 mm	6 mm	65 mm
F12DC6	ø12 mm	25 mm	6 mm	70 mm
F16DC6	ø16 mm	25 mm	6 mm	70 mm
F19DC6	ø19 mm	25 mm	6 mm	70 mm

FXAL

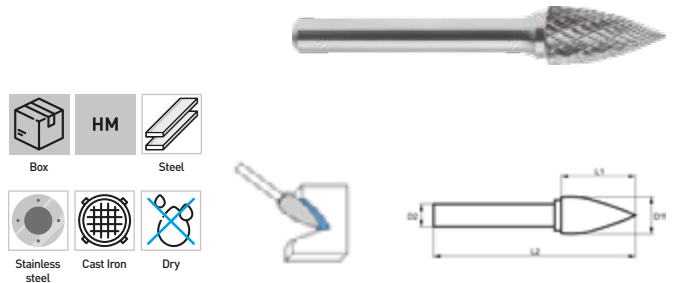
ROTARY BURRS FOR ALUMINIUM



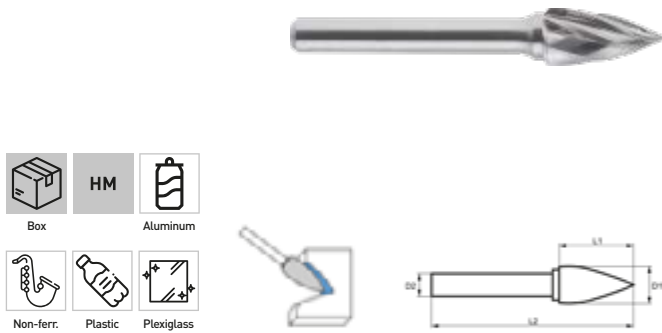
Art.	D1	L1	D2	L2
F10AL6	ø10 mm	20 mm	6 mm	65 mm
F12AL6	ø12 mm	25 mm	6 mm	70 mm

GXSC
SINGLE CUT ROTARY BURRS


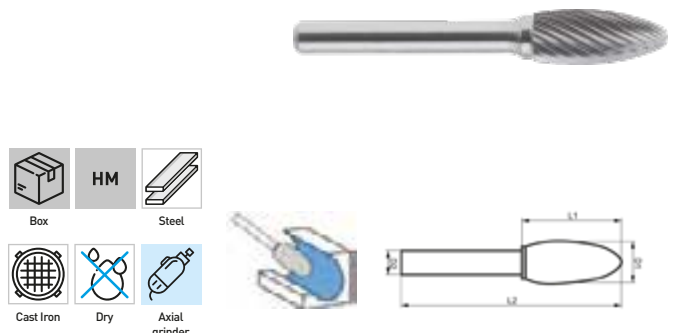
Art.	D1	L1	D2	L2
G03SC3	ø3 mm	13 mm	3 mm	38 mm
G06SC6	ø6 mm	18 mm	6 mm	65 mm
G10SC6	ø10 mm	20 mm	6 mm	65 mm
G12SC6	ø12 mm	25 mm	6 mm	70 mm

GXDC
DIAMOND CUT ROTARY BURRS


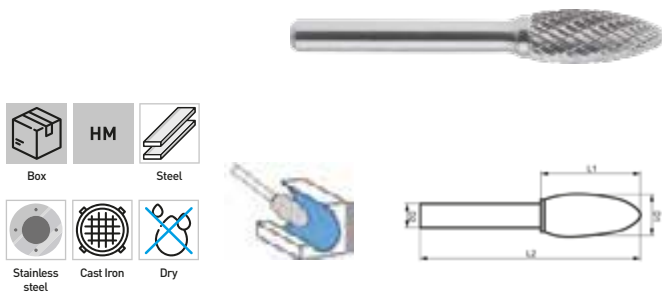
Art.	D1	L1	D2	L2
G03DC3	ø3 mm	13 mm	3 mm	38 mm
G06DC6	ø6 mm	18 mm	6 mm	65 mm
G10DC6	ø10 mm	20 mm	6 mm	65 mm
G12DC6	ø12 mm	25 mm	6 mm	70 mm
G16DC6	ø16 mm	25 mm	6 mm	70 mm
G19DC6	ø19 mm	25 mm	6 mm	70 mm

GXAL
ROTARY BURRS FOR ALUMINIUM


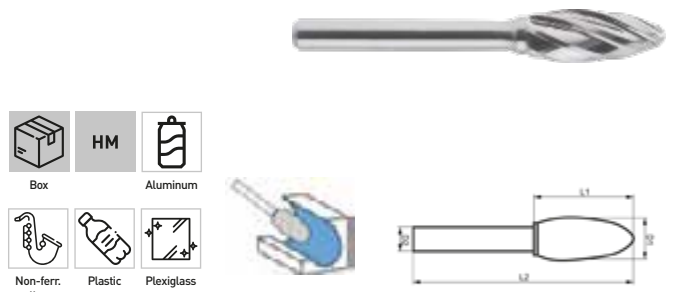
Art.	D1	L1	D2	L2
G10AL6	ø10 mm	20 mm	6 mm	65 mm
G12AL6	ø12 mm	25 mm	6 mm	70 mm

HXSC
SINGLE CUT ROTARY BURRS


Art.	D1	L1	D2	L2
H08SC6	ø8 mm	20 mm	6 mm	65 mm
H10SC6	ø10 mm	25 mm	6 mm	70 mm
H12SC6	ø12 mm	32 mm	6 mm	77 mm

HXDC
DIAMOND CUT ROTARY BURRS


Art.	D1	D2	L1	L2
H06DC6	ø6 mm	16 mm	6 mm	61 mm
H08DC6	ø8 mm	20 mm	6 mm	65 mm
H10DC6	ø10 mm	25 mm	6 mm	70 mm
H12DC6	ø12 mm	32 mm	6 mm	77 mm

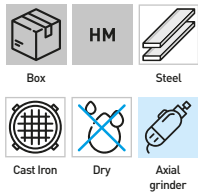
HXAL
ROTARY BURRS FOR ALUMINIUM


Art.	D1	D2	L1	L2
H08AL6	ø8 mm	20 mm	6 mm	65 mm
H10AL6	ø10 mm	25 mm	6 mm	70 mm
H12AL6	ø12 mm	32 mm	6 mm	77 mm



LXSC

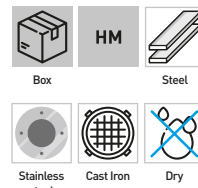
SINGLE CUT ROTARY BURRS



Art.	D1	L1	D2	L2
L03SC3	ø3 mm	13 mm	3 mm	38 mm
L06SC6	ø6 mm	16 mm	6 mm	61 mm

LXDC

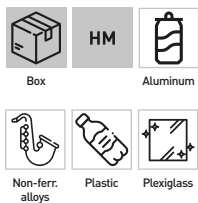
DIAMOND CUT ROTARY BURRS



Art.	D1	L1	D2	L2
L03DC3	ø3 mm	13 mm	3 mm	38 mm
L06DC6	ø6 mm	16 mm	6 mm	61 mm
L08DC6	ø8 mm	22 mm	6 mm	65 mm
L10DC6	ø10 mm	25 mm	6 mm	70 mm
L12DC6	ø12 mm	25 mm	6 mm	70 mm

L10AL6

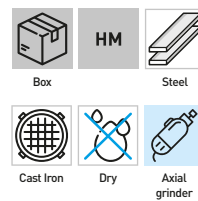
ROTARY BURRS FOR ALUMINIUM



D1	ø10 mm
L1	25 mm
D2	6 mm
L2	70 mm

MXSC

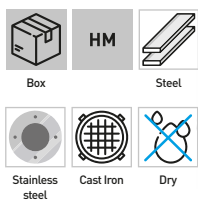
SINGLE CUT ROTARY BURRS



Art.	D1	L1	D2	L2
M08SC6	ø8 mm	20 mm	6 mm	65 mm
M10SC6	ø10 mm	20 mm	6 mm	65 mm
M12SC6	ø12 mm	25 mm	6 mm	70 mm

MXDC

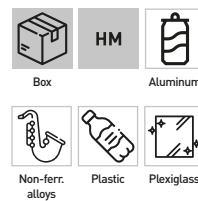
DIAMOND CUT ROTARY BURRS



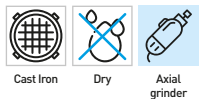
Art.	D1	L1	D2	L2
M03DC3	ø3 mm	11 mm	3 mm	38 mm
M03DC6	ø3 mm	11 mm	6 mm	38 mm
M06DC6	ø6 mm	18 mm	6 mm	60 mm
M08DC6	ø8 mm	20 mm	6 mm	65 mm
M10DC6	ø10 mm	20 mm	6 mm	65 mm
M12DC6	ø12 mm	25 mm	6 mm	70 mm
M16DC6	ø16 mm	25 mm	6 mm	70 mm

M10AL6

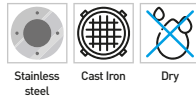
ROTARY BURRS FOR ALUMINIUM



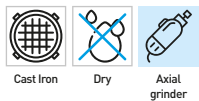
D1	ø10 mm
L1	20 mm
D2	6 mm
L2	65 mm

NXSC
SINGLE CUT ROTARY BURRS


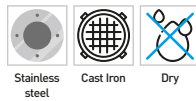
Art.	D1	L1	D2	L2
N12SC6	ø12 mm	13 mm	6 mm	58 mm
N16SC6	ø16 mm	16 mm	6 mm	58 mm

N12DC6
DIAMOND CUT ROTARY BURRS


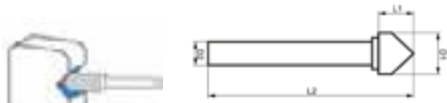
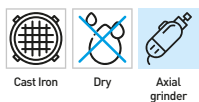
D1	ø12 mm
L1	13 mm
D2	6 mm
L2	58 mm

JXSC
SINGLE CUT ROTARY BURRS


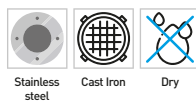
Art.	D1	L1	D2	L2
J03SC3	ø3 mm	2.5 mm	3 mm	38 mm
J06SC6	ø6 mm	5.2 mm	6 mm	54 mm
J10SC6	ø10 mm	8 mm	6 mm	58 mm
J16SC6	ø16 mm	13 mm	6 mm	62 mm

JXDC
DIAMOND CUT ROTARY BURRS


Art.	D1	L1	D2	L2
J03DC3	ø3 mm	2.5 mm	3 mm	38 mm
J06DC6	ø6 mm	5.2 mm	6 mm	54 mm
J10DC6	ø10 mm	8 mm	6 mm	58 mm
J16DC6	ø16 mm	13 mm	6 mm	62 mm

KXSC
SINGLE CUT ROTARY BURRS


Art.	D1	L1	D2	L2
K10SC6	ø10 mm	5 mm	6 mm	54 mm
K16SC6	ø16 mm	8 mm	6 mm	58 mm

KXDC
DIAMOND CUT ROTARY BURRS


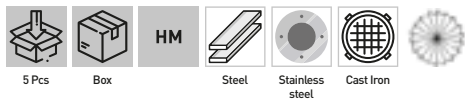
Art.	D1	L1	D2	L2
K10DC6	ø10 mm	5 mm	6 mm	54 mm
K16DC6	ø16 mm	8 mm	6 mm	58 mm



F008DC

HARD METAL ROTARY BURR SET

With diamond cut.

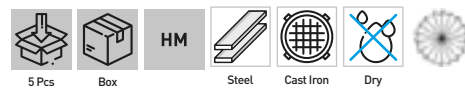


Sizes	10 x 20 mm
Type	B, C, D, G, M
Stem	6 mm

F008SC

HARD METAL ROTARY BURR SET

With single cut.

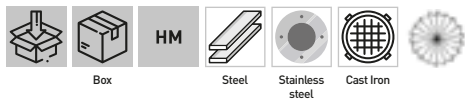
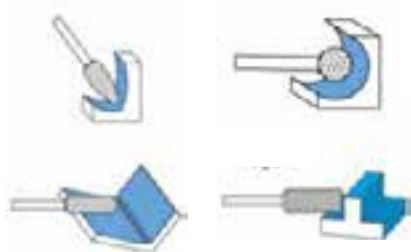


Sizes	10 x 20 mm
Type	B, C, D, G, M
Stem	6 mm

F008-

CARBIDE ROTARY FILE SET

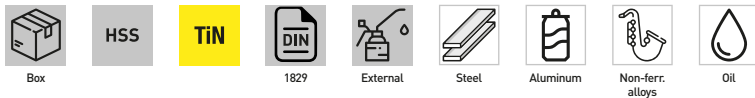
Cross cut.



Art.	Stem
F008/3	Ø 3 mm
F008/6	Ø 6 mm



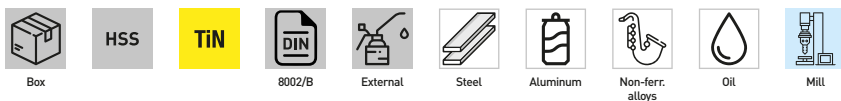
C003-
DISC TYPE GEAR SHAPER CUTTER

 Nominal \varnothing 100 mm hole 44,45 mm 20° angle pressure class A.


Art.	Module	\varnothing max	\varnothing d0	Height b1	Teeth
C003/1	1,00	102 mm	100 mm	16 mm	100
C003/1.25	1,25	105 mm	100 mm	16 mm	80
C003/1.50	1,50	107 mm	102 mm	18 mm	68
C003/1.75	1,75	107,4 mm	101,5 mm	20 mm	58
C003/2	2,00	107,31 mm	100 mm	20 mm	50
C003/2.25	2,25	109,29 mm	101,25 mm	20 mm	45
C003/2.50	2,50	108,46 mm	100 mm	20 mm	40
C003/2.75	2,75	108,36 mm	99 mm	24 mm	36
C003/3	3,00	111,82 mm	99 mm	24 mm	33
C003/3.25	3,25	110,99 mm	99 mm	24 mm	31
C003/3.50	3,50	108,72 mm	101,5 mm	24 mm	29
C003/3.75	3,75	112,35 mm	101,5 mm	24 mm	27
C003/4	4,00	111,75 mm	100 mm	24 mm	25
C003/4.25	4,25	114,12 mm	102 mm	24 mm	24
C003/4.50	4,50	111,65 mm	99 mm	24 mm	22
C003/5	5,00	114,05 mm	100 mm	24 mm	20
C003/5.50	5,50	119,96 mm	99 mm	24 mm	18
C003/6	6,00	118,86 mm	102 mm	24 mm	17
C003/6.50	6,50	122,5 mm	112 mm	24 mm	16
C003/7	7,00	127 mm	105 mm	24 mm	15
C003/8	8,00	135 mm	112 mm	24 mm	14
C003/10	10,00	168 mm	140 mm	24 mm	14

C001-
GEAR HOB 20° PRESSURE ANGLE

Ground profile class A.



Art.	Module	Diameter \varnothing	Length	Hole
C001/1	1,00	50 mm	31 mm	22 mm
C001/1.25	1,25	50 mm	31 mm	22 mm
C001/1.50	1,50	53 mm	50 mm	22 mm
C001/1.75	1,75	56 mm	38 mm	22 mm
C001/2	2,00	63 mm	46 mm	27 mm
C001/2.25	2,25	70 mm	56 mm	27 mm
C001/2.50	2,50	71 mm	63 mm	27 mm
C001/2.75	2,75	70 mm	56 mm	27 mm
C001/3	3,00	80 mm	71 mm	32 mm
C001/3.25	3,25	80 mm	69 mm	32 mm
C001/3.50	3,50	80 mm	71 mm	32 mm
C001/3.75	3,75	90 mm	78 mm	32 mm
C001/4	4,00	90 mm	78 mm	32 mm
C001/4.25	4,25	90 mm	78 mm	32 mm
C001/4.50	4,50	90 mm	78 mm	32 mm
C001/5	5,00	100 mm	88 mm	32 mm
C001/5.50	5,50	100 mm	88 mm	32 mm
C001/6	6,00	110 mm	108 mm	40 mm
C001/6.50	6,50	110 mm	109 mm	40 mm
C001/7	7,00	110 mm	110 mm	40 mm
C001/8	8,00	125 mm	130 mm	40 mm
C001/9	9,00	125 mm	140 mm	40 mm
C001/10	10,00	140 mm	160 mm	40 mm
C001/12	12,00	170 mm	195 mm	50 mm
C001/13	13,00	180 mm	210 mm	50 mm



P049-

MASONRY DRILL

Short series, cylindrical attachment, carbide tipped for masonry drill.



Box C45 HM

8039 Bricks Concrete Stones Ceramic Drywall Percussion Portable Drill

Art.	ø	L	l	Stem	Pack
P049/03	3 mm	70 mm	40 mm	ø 2,5 mm	10
P049/04	4 mm	75 mm	40 mm	ø 3,5 mm	10
P049/05	5 mm	85 mm	40 mm	ø 4,5 mm	10
P049/06	6 mm	100 mm	55 mm	ø 4,5 mm	10
P049/07	7 mm	100 mm	55 mm	ø 6,5 mm	10
P049/08	8 mm	120 mm	70 mm	ø 6,5 mm	10
P049/09	9 mm	120 mm	70 mm	ø 6,5 mm	10
P049/10	10 mm	120 mm	70 mm	ø 7 mm	10
P049/11	11 mm	150 mm	90 mm	ø 7 mm	10
P049/12	12 mm	150 mm	90 mm	ø 9 mm	10
P049/13	13 mm	150 mm	90 mm	ø 9 mm	5
P049/14	14 mm	150 mm	90 mm	ø 11 mm	5
P049/15	15 mm	150 mm	90 mm	ø 12 mm	5
P049/16	16 mm	150 mm	90 mm	ø 12 mm	5
P049/18	18 mm	160 mm	100 mm	ø 13 mm	5
P049/22	22 mm	160 mm	100 mm	ø 13 mm	5
P049/24	24 mm	160 mm	100 mm	ø 13 mm	5

P051-

CARBIDE DRILL FOR GRANITE AND MARBLE

Cylindrical attachment, specific for drilling marble and granite with hard metal insert for rotary percussion.



Box C45 HM

8039 Granite Marble Percussion Portable Drill

Art.	ø	L	l	Stem	Pack
P051/03	3 mm	70 mm	40 mm	ø 2,5 mm	10
P051/04	4 mm	75 mm	40 mm	ø 3,5 mm	10
P051/05	5 mm	85 mm	40 mm	ø 4,5 mm	10
P051/06	6 mm	100 mm	55 mm	ø 5,5 mm	10
P051/07	7 mm	100 mm	55 mm	ø 5,5 mm	10
P051/08	8 mm	120 mm	70 mm	ø 6,5 mm	5
P051/09	9 mm	120 mm	70 mm	ø 8 mm	5
P051/10	10 mm	120 mm	70 mm	ø 9 mm	5
P051/12	12 mm	150 mm	90 mm	ø 10 mm	5
P051/14	14 mm	150 mm	90 mm	ø 12 mm	5
P051/16	16 mm	150 mm	90 mm	ø 12 mm	5

P050-

MASONRY DRILL

Long series, cylindrical attachment, carbide tipped for masonry drill.



Box C45 HM

8039 Bricks Concrete Stones Ceramic Drywall Percussion Portable Drill

Art.	ø	L	l	Stem	Pack
P050/06	6 mm	400 mm	240 mm	ø 4,5 mm	5
P050/08	8 mm	400 mm	240 mm	ø 7 mm	5
P050/09	9 mm	400 mm	240 mm	ø 7 mm	5
P050/10	10 mm	400 mm	240 mm	ø 7 mm	5
P050/12	12 mm	400 mm	240 mm	ø 9 mm	5
P050/14	14 mm	400 mm	240 mm	ø 10 mm	5
P050/16	16 mm	400 mm	240 mm	ø 12 mm	5
P050/18	18 mm	400 mm	240 mm	ø 12,5 mm	5
P050/20	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.



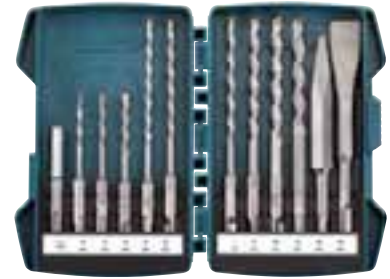
Hangable HM 40 Cr

SDS PLUS Bricks Concrete Stones Ceramic Drywall Percussion Portable Drill

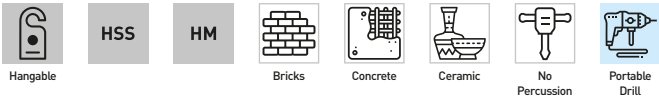
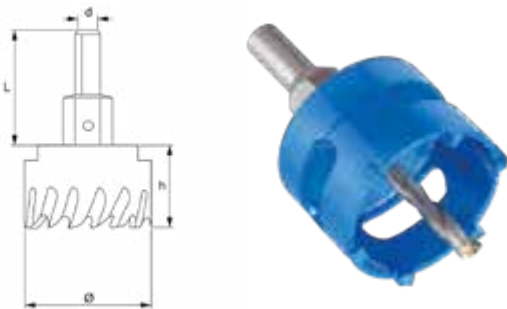
Art.	Size	Pack
P063/5110	5 x 110 mm	10
P063/6110	6 x 110 mm	10
P063/6160	6 x 160 mm	10
P063/8110	8 x 110 mm	10
P063/8160	8 x 160 mm	10
P063/9160	9 x 160 mm	10
P063/10160	10 x 160 mm	10
P063/12160	12 x 160 mm	10
P063/12300	12 x 300 mm	10
P063/14160	14 x 160 mm	10
P063/14300	14 x 300 mm	10
P063/15160	15 x 160 mm	10
P063/16160	16 x 160 mm	10
P063/16300	16 x 300 mm	10
P063/16450	16 x 450 mm	5
P063/18160	18 x 160 mm	5
P063/18300	18 x 300 mm	5
P063/18450	18 x 450 mm	5
P063/20160	20 x 160 mm	5
P063/20450	20 x 450 mm	5
P063/22450	22 x 450 mm	5
P063/24450	24 x 450 mm	5


0332
CARBIDE TIPPED HAMMER TWIST DRILL AND CHISEL SET

With attack sds plus, consisting of 9 twist drills: Ø4 x 110 mm Ø5 x 110 mm Ø6 x 110 mm Ø5 x 160 mm Ø6 x 160 mm Ø8 x 160 mm Ø9 x 160 mm Ø10 x 160 mm Ø12 x 160 mm, 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	16 mm	10 mm	M12 x 1.25	2	46 mm	ø6 x 69 mm
P076/022	22 mm	10 mm	M12 x 1.25	3	46 mm	ø6 x 69 mm
P076/025	25 mm	10 mm	M12 x 1.25	3	46 mm	ø6 x 69 mm
P076/027	27 mm	10 mm	M12 x 1.25	4	46 mm	ø6 x 69 mm
P076/030	30 mm	10 mm	M12 x 1.25	4	46 mm	ø6 x 69 mm
P076/035	35 mm	10 mm	M12 x 1.25	4	46 mm	ø6 x 69 mm
P076/038	38 mm	10 mm	M12 x 1.25	4	46 mm	ø6 x 69 mm
P076/040	40 mm	10 mm	M12 x 1.25	5	46 mm	ø6 x 69 mm
P076/045	45 mm	10 mm	M12 x 1.25	5	46 mm	ø6 x 69 mm
P076/050	50 mm	10 mm	M12 x 1.25	6	46 mm	ø6 x 69 mm
P076/055	55 mm	12 mm	M16 x 1.5	6	46 mm	ø8 x 69 mm
P076/060	60 mm	12 mm	M16 x 1.5	7	46 mm	ø8 x 69 mm
P076/065	65 mm	12 mm	M16 x 1.5	7	46 mm	ø8 x 69 mm
P076/070	70 mm	12 mm	M16 x 1.5	8	46 mm	ø8 x 69 mm
P076/080	80 mm	12 mm	M16 x 1.5	8	46 mm	ø8 x 69 mm
P076/085	85 mm	12 mm	M16 x 1.5	9	46 mm	ø8 x 69 mm
P076/090	90 mm	12 mm	M16 x 1.5	9	46 mm	ø8 x 69 mm
P076/095	95 mm	12 mm	M16 x 1.5	10	46 mm	ø8 x 69 mm
P076/100	100 mm	12 mm	M16 x 1.5	11	46 mm	ø8 x 69 mm
P076/110	110 mm	12 mm	M16 x 1.5	11	46 mm	ø8 x 69 mm
P076/125	125 mm	12 mm	M16 x 1.5	12	46 mm	ø8 x 69 mm
P076/150	150 mm	12 mm	M16 x 1.5	15	46 mm	ø8 x 69 mm

P076/006S
CARBIDE TIPPED MASONRY CORE DRILL BIT HOLE SAW SET

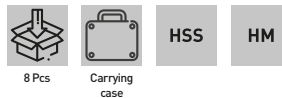
For drilling medium and large holes in the wall.



Sizes 16 mm - 22 mm - 25 mm - 27 mm - 30 mm - 35 mm


P076/008S
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.	ø	L	Thread	Sizes
P076/G12	10 mm	46 mm	M12 x 1.25	16-50
P076/G16	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	6 mm	69 mm	16-50	10
P076/P16	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	Ø 5 mm	8.5 mm	56 mm	2 mm	50/60
P031/06	Ø 6 mm	8.5 mm	56 mm	2 mm	50/60
P031/07	Ø 7 mm	8.5 mm	56 mm	2 mm	50/60
P031/08	Ø 8 mm	8.5 mm	56 mm	2 mm	50/60
P031/10	Ø 10 mm	8.5 mm	56 mm	2 mm	50/60
P031/12	Ø 12 mm	8.5 mm	56 mm	2 mm	50/60
P031/14	Ø 14 mm	8.5 mm	56 mm	2 mm	50/60
P031/16	Ø 16 mm	11 mm	90 mm	5 mm	35/40
P031/18	Ø 18 mm	11 mm	90 mm	5 mm	35/40
P031/20	Ø 20 mm	11 mm	90 mm	5 mm	35/40
P031/22	Ø 22 mm	11 mm	90 mm	5 mm	35/40
P031/25	Ø 25 mm	11 mm	90 mm	5 mm	35/40
P031/28	Ø 28 mm	11 mm	90 mm	5 mm	35/40
P031/30	Ø 30 mm	11 mm	90 mm	5 mm	35/40
P031/32	Ø 32 mm	11 mm	90 mm	5 mm	35/40
P031/35	Ø 35 mm	11 mm	90 mm	5 mm	35/40
P031/40	Ø 40 mm	11 mm	90 mm	5 mm	35/40
P031/45	Ø 45 mm	11 mm	90 mm	5 mm	35/40
P031/50	Ø 50 mm	11 mm	90 mm	5 mm	35/40
P031/60	Ø 60 mm	11 mm	90 mm	5 mm	35/40
P031/65	Ø 65 mm	11 mm	90 mm	5 mm	35/40
P031/67	Ø 67 mm	11 mm	90 mm	5 mm	35/40
P031/70	Ø 70 mm	11 mm	90 mm	5 mm	35/40
P031/80	Ø 80 mm	11 mm	90 mm	5 mm	35/40

P031/06P

PILOT TIP

For item P031-XL.



Hangable



Diameter	Ø 6 mm
Length	100 mm
Stem	Ø 5 mm
Pack	10

P031/03S

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
Hex drive	9.5 mm
Total length	56 mm
Diamond height	2 mm
Grit	50/60



P031/05S

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 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



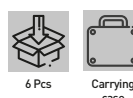
P031/06S

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.

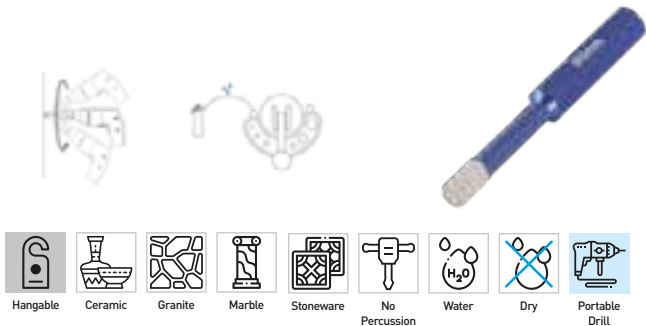


Sizes	Ø 16 mm - 22 mm - 25 mm - 28 mm - 30 mm - 35 mm
Hex drive	11 mm
Total length	90 mm
Diamond height	5 mm
Grit	50/60




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	Ø 5 mm	9.5 mm	80 mm	10 mm	40
P033/06	Ø 6 mm	9.5 mm	80 mm	10 mm	40
P033/08	Ø 8 mm	9.5 mm	80 mm	10 mm	40
P033/10	Ø 10 mm	9.5 mm	80 mm	10 mm	40
P033/12	Ø 12 mm	9.5 mm	80 mm	10 mm	40
P033/14	Ø 14 mm	12.5 mm	80 mm	10 mm	40
P033/16	Ø 16 mm	12.5 mm	80 mm	10 mm	40
P033/18	Ø 18 mm	12.5 mm	80 mm	10 mm	40
P033/20	Ø 20 mm	12.5 mm	80 mm	10 mm	40
P033/22	Ø 22 mm	12.5 mm	80 mm	10 mm	40
P033/25	Ø 25 mm	12.5 mm	80 mm	10 mm	40

P033/03S
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
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-
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	Ø 6 mm	62 mm	10 mm	30/50
P034/008	Ø 8 mm	62 mm	10 mm	30/50
P034/010	Ø 10 mm	62 mm	10 mm	30/50
P034/012	Ø 12 mm	62 mm	10 mm	30/50
P034/014	Ø 14 mm	62 mm	10 mm	30/50
P034/016	Ø 16 mm	62 mm	15 mm	30/50
P034/018	Ø 18 mm	62 mm	15 mm	30/50
P034/020	Ø 20 mm	60 mm	15 mm	30/50
P034/022	Ø 22 mm	60 mm	15 mm	30/50
P034/025	Ø 25 mm	60 mm	10 mm	30/50
P034/028	Ø 28 mm	60 mm	15 mm	30/50
P034/030	Ø 30 mm	60 mm	15 mm	30/50
P034/032	Ø 32 mm	60 mm	15 mm	30/50
P034/035	Ø 35 mm	60 mm	15 mm	30/50
P034/040	Ø 40 mm	60 mm	15 mm	30/50
P034/045	Ø 45 mm	60 mm	15 mm	30/50
P034/050	Ø 50 mm	60 mm	15 mm	30/50
P034/055	Ø 55 mm	60 mm	15 mm	30/50
P034/060	Ø 60 mm	60 mm	15 mm	30/50
P034/065	Ø 65 mm	60 mm	15 mm	30/50
P034/067	Ø 67 mm	60 mm	15 mm	30/50
P034/070	Ø 70 mm	60 mm	15 mm	30/50
P034/080	Ø 80 mm	60 mm	15 mm	30/50
P034/090	Ø 90 mm	60 mm	15 mm	30/50
P034/100	Ø 100 mm	60 mm	15 mm	30/50

P034/06S
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.



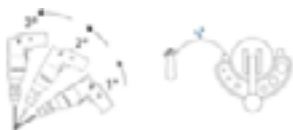
Sizes	Ø 22 mm - 35 mm - 40 mm - 45 mm - 50 mm - 67 mm
Total length	60 mm
Diamond height	15 mm
Grit	30/50



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	Ø 5 mm	Ø 6 mm	65 mm	5 mm	60/80
P035/06	Ø 6 mm	Ø 6 mm	65 mm	5 mm	60/80
P035/08	Ø 8 mm	Ø 6 mm	65 mm	5 mm	60/80
P035/10	Ø 10 mm	Ø 6 mm	65 mm	5 mm	60/80
P035/12	Ø 12 mm	Ø 6 mm	65 mm	5 mm	60/80
P035/14	Ø 14 mm	Ø 6 mm	65 mm	5 mm	60/80

P035/04S

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

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

D009/5-12

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.



Holes	4 mm - 5 mm - 6 mm - 7 mm - 8 mm - 10 mm - 12 mm
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D009/5-85

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.



Holes	5 - 85 mm
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D020

DIAMOND MOUNTED POINT SET

Suitable for engraving, writing or finishing thanks to the various geometries available.

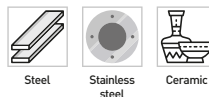


Stem Length	Ø 3 mm 45 mm
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D050

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
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P052-
BRAD POINT WOODWORKING DRILLS

Double helix, with centering tip allows exact positioning of the hole.



Hangable
 HSS
 7487
 Wood
 Multilayer
 Chipboard
 Lathe
 Mill
 Drill

Art.	ø	Total length	Flute length	Pack
P052/03	3 mm	61 mm	33 mm	5
P052/04	4 mm	75 mm	43 mm	5
P052/05	5 mm	86 mm	52 mm	5
P052/06	6 mm	93 mm	57 mm	5
P052/07	7 mm	109 mm	69 mm	5
P052/08	8 mm	117 mm	75 mm	5
P052/09	9 mm	125 mm	81 mm	1
P052/10	10 mm	133 mm	87 mm	1
P052/11	11 mm	142 mm	94 mm	1
P052/12	12 mm	151 mm	101 mm	1
P052/13	13 mm	151 mm	101 mm	1
P052/14	14 mm	160 mm	108 mm	1
P052/15	15 mm	169 mm	114 mm	1
P052/16	16 mm	178 mm	120 mm	1
P052/17	17 mm	184 mm	125 mm	1
P052/18	18 mm	191 mm	130 mm	1
P052/19	19 mm	198 mm	135 mm	1
P052/20	20 mm	205 mm	140 mm	1

0463
TWIST DRILL SET WITH COUNTERSINK FOR WOOD

For countersinking the wood.

4 Pcs
 Wooden Box
 HSS
 C45
 1/4"



Sizes 2 - 2,5 - 3 - 3,5 mm

0087
UNIVERSAL CYLINDER CARBIDE TIPPED BORING BIT

5 Pcs
 Wooden Box
 C45
 HM
 Wood



Drills ø 15 - 20 - 26 - 30 - 35 mm

P052/08S
BRAD POINT WOODWORKING DRILLS SET

Double helix, with centering tip allows exact positioning of the hole.



8 Pcs
 Hangable
 HSS
 7487
 Wood

Size 3 ÷ 10 mm

0238
HOLE SAW SET FOR WOOD

10 Pcs
 Box
 Steel
 Plastic
 Plexiglass



Sizes ø 22 - 29 - 32 - 38 - 44 - 51 - 57 - 67 mm

0799-
MORTISING DRILL SET

6 Pcs
 Wooden Box
 C45
 Wood
 Multilayer
 Chipboard
 Mill



Art.	Sizes	Revolution	Stem
0799/SXC	ø 6 - 8 - 10 - 12 - 14 - 16 mm	L	ø 16 x 50 mm
0799/DXC	ø 6 - 8 - 10 - 12 - 14 - 16 mm	R	ø 16 x 50 mm

0087/35
UNIVERSAL CYLINDER CARBIDE TIPPED BORING BIT

Box
 C45
 HM
 Wood
 Multilayer

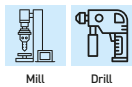
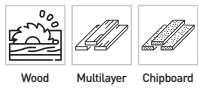

 Boring bit ø 35 mm
 Stem ø 8 mm



0526

TWIST DRILL AND COUNTERSINK SET WITH 1/4" HEX SHANK

1/4" hex shank with countersink for wood.

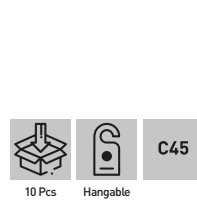


Drills 2,75 - 3,25 - 3,5 mm
Shank 1/4"

0524

1/4" DR. DRILL BIT HOLDER SET

To speed up the work by replacing the tips quickly.

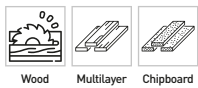
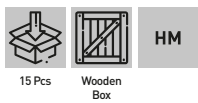


Sizes 3-3.5-4-4.5-5-5.5-6-6.5-8-10 mm
Shank 1/4"

0835/15

CARBIDE TIPPED ROUTER BIT SET

For professional woodworking such as edges, trimmings, grooves.

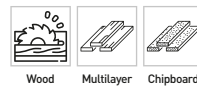
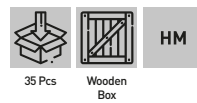


Stem Ø 6 mm

0830

CARBIDE TIPPED ROUTER BIT SET

For professional woodworking such as edges, trimmings, grooves.



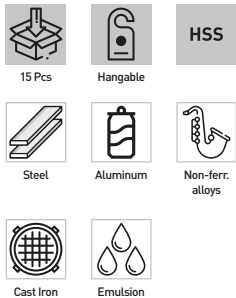
Stem Ø 6 mm



M015S

SPIRAL POINT TAP AND DRILL SET

With adjustable tap holder.



Taps	M3x0,50 - M4x0,70 - M5x0,80 - M6x1,00 - M8x1,20 - M10x1,50 - M12x1,75
Drills	Ø2.5 - Ø3.3 - Ø4.2 - Ø5.0 - Ø6.8 - Ø8.5 - Ø10.2

M312/P

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

MACHINE TAP SET FOR BLIND HOLES 35° WITH REINFORCED SHANK

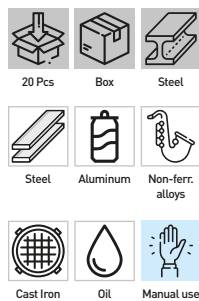
With adjustable tap holder.



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
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M020

TAP AND DIE SET

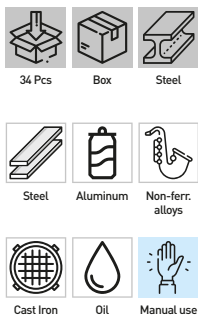


Tap holder	M3 - M12
Round die-stock	25 x 9 mm
Taps	M3x0,5 - M4x0,7 - M5x0,8 - M6x1 - M7x1 - M8x1,25 - M10x1,5 - M12x1,75 - 1/8" NPT27
Dies	M3x0,5 - M4x0,7 - M5x0,8 - M6x1 - M7x1 - M8x1,25 - M10x1,5 - M12x1,75 - 1/8" NPT27

M036

TAP AND DIE SET

With twist drills and screw pitch gauge.

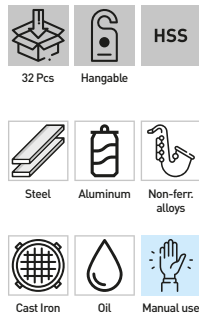


Tap holder	M3 - M12
Round die-stock	25 x 9 mm
Taps	M3x0,5 - M4x0,7 - M5x0,8 - M6x1 - M7x1 - M8x1,25 - M10x1,5 - M12
Dies	M3x0,5 - M4x0,7 - M5x0,8 - M6x1 - M7x1 - M8x1,25 - M10x1,5 - M12
Drills	2,5 - 3,3 - 4,2 - 5 - 6 - 6,8 - 8,5 - 10,3 mm
Screwdriver	6,5 x 50 mm

M032

TAP AND DIE METRIC SET

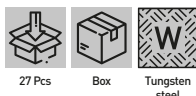
With round die-stock, adjustable tap holder and screw pitch gauge.



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****TAP AND DIE SET**

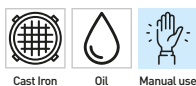
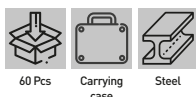
With twist drills and ratchet tap-die holder.



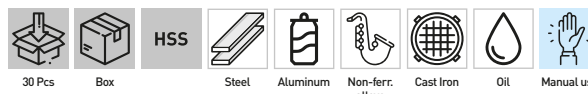
Ratchet handle	200 mm
Socket	Maschi 5 - 7,5 mm Filiere 25 x 9 mm
Taps	M3x0,5 - M4x0,7 - M5x0,8 - M6x1 - M8x1,25 - M10x1,5 - M12x1,75
Dies	M3x0,5 - M4x0,7 - M5x0,8 - M6x1 - M8x1,25 - M10x1,5 - M12x1,75
Drills	2,5 - 3,3 - 4,2 - 5 - 6,8 - 8,5 - 10,3 mm
Screwdriver	6,5 x 50 mm
Screwdriver	3 x 50 mm

M101**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****TAP AND DIE SET**

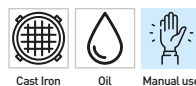
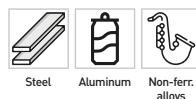
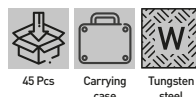
From M1 to M2.5, with die turner and adapters to convert it into tap wrenches.



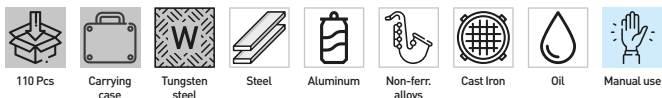
Size M1 - M1.1 - M1.2 - M1.4 - M1.6 - M1.8 - M2.0 - M2.2 - M2.5

M100**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****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.

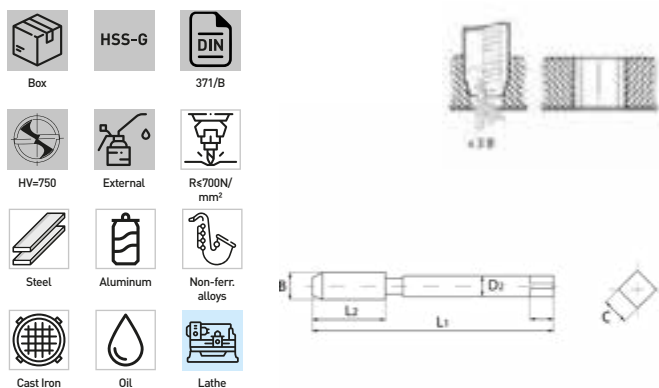


CHOICE OF THEORETICAL CUTTING SPEEDS OF MACHINE TAPS, ACCORDING TO THE MATERIAL TO BE THREADED

Material to work	Cutting speed (m / min)	Refrigerant
Low alloy construction steel R< 700÷900N/mm ²	10 - 20	Oil
Tool steel	4 - 8	Oil
Alloy steel R< 1100÷1300N/mm ²	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**

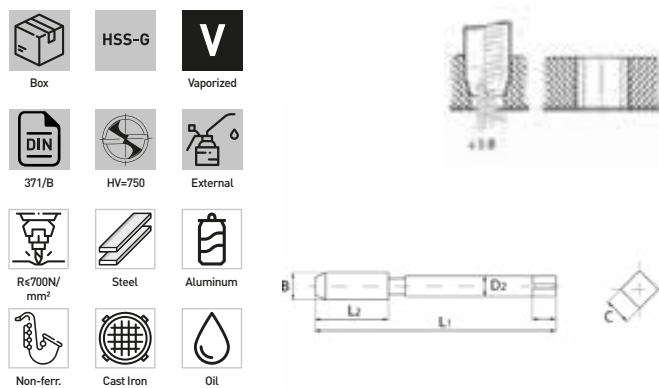
Isometric thread coarse pitch - reinforced shank.



Art.	B	L2	L1	D2	C
M001/3	M3 x 0,50	13 mm	56 mm	3.5 mm	2.7 mm
M001/4	M4 x 0,70	13 mm	66 mm	4.5 mm	3.4 mm
M001/5	M5 x 0,80	16 mm	70 mm	6 mm	4.9 mm
M001/6	M6 x 1	22 mm	85 mm	6 mm	4.9 mm
M001/8	M8 x 1,25	22 mm	90 mm	8 mm	6.2 mm
M001/10	M10 x 1,5	24 mm	100 mm	10 mm	8 mm

M001-XV**MACHINE TAPS STRAIGHT FLUTE, SPIRAL POINTED FOR THROUGH HOLES**

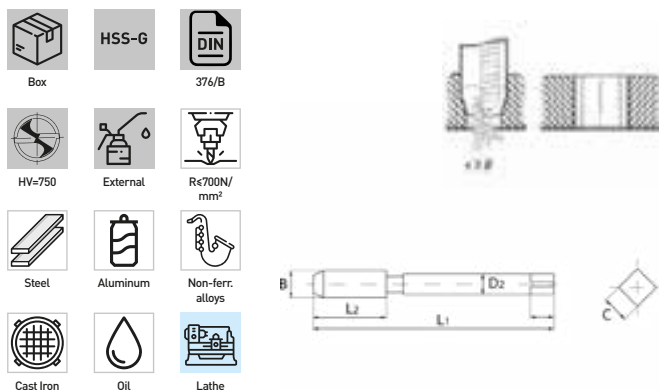
Isometric thread coarse pitch - reinforced shank, the vaporization treatment increases the surface hardness and wear resistance by reducing the possibility of chip sticking.



Art.	B	L2	L1	D2	C
M001/03V	M3 x 0,50	11 mm	56 mm	3.5 mm	2.7 mm
M001/04V	M4 x 0,70	13 mm	63 mm	4.5 mm	3.4 mm
M001/05V	M5 x 0,80	16 mm	70 mm	6 mm	4.9 mm
M001/06V	M6 x 1	19 mm	80 mm	6 mm	4.9 mm
M001/08V	M8 x 1,25	22 mm	90 mm	8 mm	6.2 mm
M001/10V	M10 x 1,5	24 mm	100 mm	10 mm	8 mm

M002-**MACHINE TAPS STRAIGHT FLUTE SPIRAL POINTED FOR THROUGH HOLES**

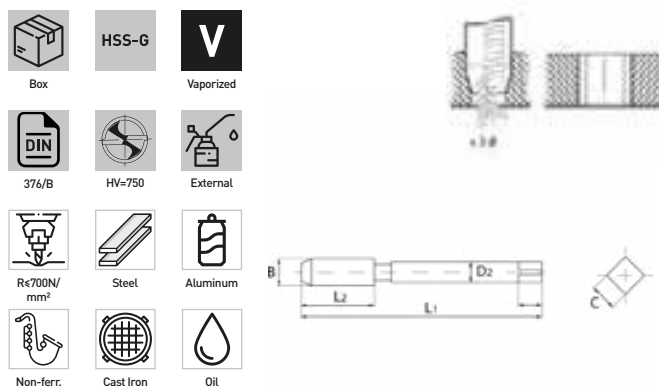
Isometric thread coarse pitch.



Art.	B	L2	L1	D2	C
M002/12	M12 x 1,75	29 mm	110 mm	9 mm	7 mm
M002/14	M14 x 2	30 mm	110 mm	11 mm	9 mm
M002/16	M16 x 2	32 mm	110 mm	12 mm	9 mm
M002/18	M18 x 2,5	34 mm	125 mm	14 mm	11 mm
M002/20	M20 x 2,5	34 mm	140 mm	16 mm	12 mm
M002/22	M22 x 2,5	34 mm	140 mm	18 mm	14.5 mm
M002/24	M24 x 3	38 mm	160 mm	18 mm	14.5 mm
M002/27	M27 x 3	38 mm	160 mm	20 mm	16 mm
M002/30	M30 x 3,5	45 mm	180 mm	22 mm	18 mm

M002-XV**MACHINE TAPS STRAIGHT FLUTE SPIRAL POINTED FOR THROUGH HOLES**

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	M12 x 1,75	29 mm	110 mm	9 mm	7 mm
M002/14V	M14 x 2	30 mm	110 mm	11 mm	9 mm
M002/16V	M16 x 2	32 mm	110 mm	12 mm	9 mm
M002/18V	M18 x 2,5	34 mm	125 mm	14 mm	11 mm
M002/20V	M20 x 2,5	34 mm	140 mm	16 mm	12 mm

M003-
MACHINE TAPS SPIRAL FLUTE FOR BLIND HOLES 35°

Isometric thread coarse pitch - reinforced shank.



	HSS-G				
Box		371/C			
HV=750	External	R<700N/mm²			
Steel	Aluminum	Non-ferr. alloys			
Cast Iron	Oil	Lathe			

Art.	B	L2	L1	D2	C
M003/3	M3 x 0,50	11 mm	59 mm	3.5 mm	2.7 mm
M003/4	M4 x 0,70	13 mm	63 mm	4.5 mm	3.4 mm
M003/5	M5 x 0,80	18 mm	74 mm	6 mm	4.9 mm
M003/6	M6 x 1	22 mm	80 mm	6 mm	4.9 mm
M003/8	M8 x 1,25	22 mm	90 mm	8 mm	6.2 mm
M003/10	M10 x 1,5	24 mm	100 mm	10 mm	8 mm

M003-XV
MACHINE TAPS SPIRAL FLUTE FOR BLIND HOLES 35°

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				
Box		Vaporized			
371/C	HV=750	External			
R<700N/mm²	Steel	Aluminum			
Non-ferr. alloys	Cast Iron	Oil			

Art.	B	L2	L1	D2	C
M003/03V	M3 x 0,50	11 mm	56 mm	3.5 mm	2.7 mm
M003/04V	M4 x 0,70	13 mm	63 mm	4.5 mm	3.4 mm
M003/05V	M5 x 0,80	16 mm	75 mm	6 mm	4.9 mm
M003/06V	M6 x 1	22 mm	86 mm	6 mm	4.9 mm
M003/08V	M8 x 1,25	22 mm	90 mm	8 mm	6.2 mm
M003/10V	M10 x 1,5	24 mm	100 mm	10 mm	8 mm

M003-XXX
MACHINE TAPS SPIRAL FLUTE FOR BLIND HOLES 35°

Isometric thread coarse pitch.



	HSS-G				
Box		376/C			
HV=750	External	R<700N/mm²			
Steel	Aluminum	Non-ferr. alloys			
Cast Iron	Oil	Lathe			

Art.	B	L2	L1	D2	C
M003/12	M12 x 1,75	29 mm	110 mm	9 mm	7 mm
M003/14	M14 x 2	30 mm	110 mm	11 mm	9 mm
M003/16	M16x2	32 mm	110 mm	12 mm	9 mm
M003/18	M18 x 2,5	34 mm	125 mm	14 mm	11 mm
M003/20	M20 x 2,5	34 mm	140 mm	16 mm	12 mm
M003/22	M22 x 2,5	34 mm	140 mm	18 mm	14.5 mm
M003/24	M24 x 3	38 mm	160 mm	18 mm	14.5 mm
M003/27	M27 x 3	38 mm	160 mm	20 mm	16 mm
M003/30	M30 x 3,5	45 mm	180 mm	22 mm	18 mm

M003-XXV
MACHINE TAPS SPIRAL FLUTE FOR BLIND HOLES 35°

Isometric thread coarse pitch - reinforced shank, the vaporization treatment increases the surface hardness and wear resistance by reducing the possibility of chip sticking.

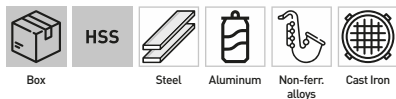


	HSS-G				
Box		Vaporized			
376/C	HV=750	External			
R<700N/mm²	Steel	Aluminum			
Non-ferr. alloys	Cast Iron	Oil			

Art.	B	L2	L1	D2	C
M003/12V	M12 x 1,75	29 mm	110 mm	9 mm	7 mm
M003/14V	M14 x 2	30 mm	110 mm	11 mm	9 mm
M003/16V	M16 x 2	32 mm	110 mm	12 mm	9 mm
M003/18V	M18 x 2,5	34 mm	125 mm	14 mm	11 mm
M003/20V	M20 x 2,5	34 mm	140 mm	16 mm	12 mm

**0890-****3 IN 1 DRILLING-TAPPING-DEBURRING TOOL**

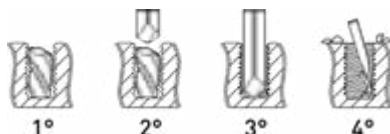
Thanks to the particular geometry in a single operation it is able to drill, thread and countersink.



Art.	Taps	Shank	Dimensions
0890/M3	M3 x 0,5	1/4"	52 mm
0890/M4	M4 x 0,7	1/4"	52 mm
0890/M5	M5 x 0,8	1/4"	54 mm
0890/M6	M6 x 1	1/4"	56 mm
0890/M8	M8 x 1,25	1/4"	58 mm
0890/M10	M10 x 1,5	1/4"	60 mm

0897-**NEW****HARD METAL TAP CRUSHER TOOL**

For removing broken taps inside holes. Cylindrical shank with hexagon for housing in the spindle, and self-centering cutting edge.



Art.	L	l	Taps	Stem
0897/M3	38 mm	10 mm	M3	3 mm
0897/M4	46 mm	15 mm	M4	4 mm
0897/M5	50 mm	19 mm	M5	5 mm
0897/M6	50 mm	23 mm	M6	6 mm
0897/M8	60 mm	23 mm	M8	7 mm
0897/M10	100 mm	25 mm	M10	9 mm
0897/M12	100 mm	35 mm	M12	12 mm

G003-**NEW****RATCHET TAP HOLDER**

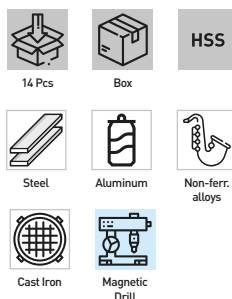
In right-hand, left-hand or fixed position. Equipped with a level on the head to facilitate correct alignment of the tap with the bore.



Art.	Length	Taps	Square
G003/1	85 mm	M3 ÷ M8	1,75 ÷ 5,5 mm
G003/2	100 mm	M5 ÷ M12	4 ÷ 8 mm
G003/3	250 mm	M3 ÷ M8	2,7 ÷ 5 mm
G003/4	300 mm	M5 ÷ M12	4,9 ÷ 8 mm

0890**3 IN 1 DRILLING-TAPPING-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

G002-**ADJUSTABLE TAP HOLDER**

With hardened jaws, a handle that can be unscrewed to carry out jobs with tight dimensions.



Art.	Taps	Square
G002/1	M1 ÷ M10	1,75 ÷ 5,5
G002/2	M4 ÷ M12	2,4 ÷ 8 mm
G002/3	M5 ÷ M20	2,7 ÷ 12

G011-**NEW****TAP HOLDER WITH PILOT SPINDLE**

Equipped with a centring guide pin, which allows it to be fixed on machine tool spindles in order to maintain the straightness of the tap with respect to the previously drilled pre-drilled hole.

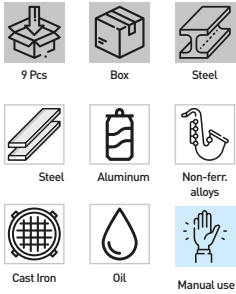


Art.	Taps	Square	Cylindric shank
G011/1	M2 ÷ M6	3 ÷ 5 mm	Ø6,25 mm
G011/2	M6 ÷ M12	5 ÷ 12 mm	Ø7,60 mm

F123

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

With 3 die screws, 1 unscrewable handle to carry out jobs with tight dimensions.



Art.	Die dimensions	For dies
G001/20	20 x 7 mm	M4.5 ÷ M6
G001/25	25 x 9 mm	M7 ÷ M9
G001/30	30 x 11 mm	M10 ÷ M11
G001/38	38 x 14 mm	M12 ÷ M14
G001/45	45 x 18 mm	M16 ÷ M20
G001/55	55 x 22 mm	M22 ÷ M24

F121-

METRIC DIE FOR COARSE PITCH

With correct entry on both sides to facilitate the execution of the thread and correctly evacuate the shavings in the cutting direction.

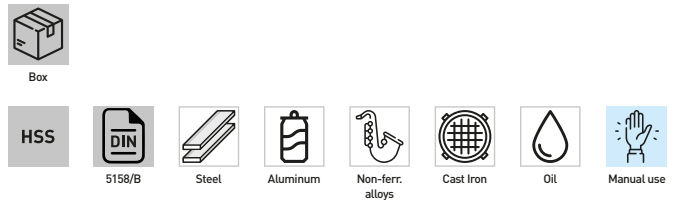


Art.	Pitch	Dimensions
F121/03	3 x 0,5 mm	Ø20 x 5 mm
F121/04	4 x 0,7 mm	Ø20 x 5 mm
F121/05	5 x 0,8 mm	Ø20 x 7 mm
F121/06	6 x 1 mm	Ø20 x 7 mm
F121/08	8 x 1,25 mm	Ø25 x 9 mm
F121/10	10 x 1,5 mm	Ø30 x 11 mm
F121/12	12 x 1,75 mm	Ø38 x 14 mm
F121/14	14 x 2 mm	Ø38 x 14 mm
F121/16	16 x 2 mm	Ø45 x 18 mm
F121/18	18 x 2,5 mm	Ø45 x 18 mm
F121/20	20 x 2,5 mm	Ø45 x 18 mm

F122-

DIE GAS THREAD

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
F122/1/8	G1/8-28	Ø30 x 11 mm
F122/1/4	G1/4-19	Ø38 x 10 mm
F122/3/8	G3/8-19	Ø45 x 14 mm
F122/1/2	G1/2-14	Ø45 x 14 mm
F122/5/8	G5/8-14	Ø55 x 16 mm
F122/3/4	G3/4-14	Ø55 x 16 mm
F122/7/8	G7/8-14	Ø65 x 18 mm
F122/1	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

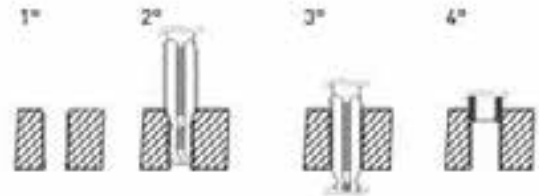
Once the thread-insert has been installed, break off the retention stud bolt. In order to break it, the specific breaking tool must be used. From a thread size of M14 onwards, it is possible to perform this operation with the use of a clamp where the pitch size permits.



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		

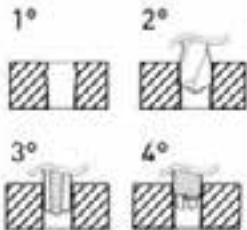




E010

METRIC THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials.

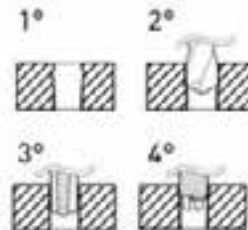


Sizes	M5 - M12
STI Taps	M5 x 0.8 - M6 x 1.0 - M8 x 1.25 - M10 x 1.5 - M12 x 1.75
Drills	5.2 mm - 6.3 mm - 8.3 mm - 10.4 mm - 12.4 mm
Wire-thread inserts	M5=25 M6=25 M8=25 M10=25 M12=10
Inserting tool	5 Pcs
Tang break tool	5 Pcs

E010B

METRIC THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials.

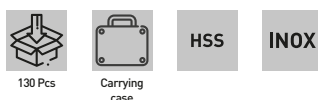
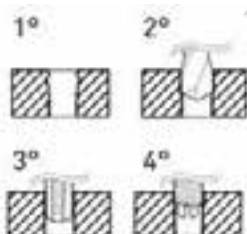


Sizes	M6 - M14
STI Taps	M6 x 1.0 - M8 x 1.25 - M10 x 1.5 - M12 x 1.75 - M14 x 1.25
Drills	6.3 mm - 8.3 mm - 10.4 mm - 12.4 mm
Wire-thread inserts	M6=25 M8=25 M10=20 M12=15 M14=25
Inserting tool	5 Pcs
Tang break tool	5 Pcs

E010E

METRIC THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials.

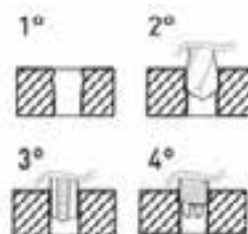


Sizes	M5 - M12
STI Taps	M5 x 0.8 - M6 x 1.0 - M8 x 1.25 - M10 x 1.5 - M12 x 1.75
Drills	5.2 mm - 6.3 mm - 8.3 mm - 10.4 mm - 12.4 mm
Wire-thread inserts	M5=25 M6=25 M8=25 M10=25 M12=10
Inserting tool	5 Pcs
Tang break tool	5 Pcs

E010-

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	M5	5,2 mm	x M5	2
E010/M06	M6	6,3 mm	x M6	2
E010/M08	M8	8,3 mm	x M8	2
E010/M10	M10	10,4 mm	x M10	2
E010/M12	M12	12,4 mm	x M12	2
E010/M14	M14 x 1,25	14,4 mm	x M14 x 1,25	2

E011A
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

E011B
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=25 M12=10 M14=10
Inserting tool	5 Pcs
Tang break tool	4 Pcs

E011C
METRIC THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials.



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
METRIC THREAD REPAIR F-COIL SET

 Suitable for thread regeneration or to obtain very resistant tapping in soft materials.
 14 mm size specific for car spark plugs.

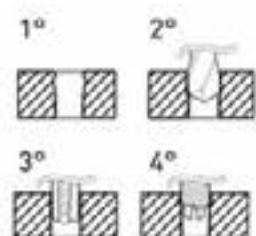

Sizes	M6 - M14
STI Taps	M6 x 1.0 - M8 x 1.25 - M10 x 1.5 - M12 x 1.75 - M14 x 1.25
Drills	6.3 mm - 8.3 mm - 10.4 mm - 12.4 mm
Wire-thread inserts	M6 25 Pcs - M8 25 Pcs - M10 25 Pcs - M12 10 Pcs - M14 10 Pcs
Inserting tool	5 Pcs
Tang break tool	4 Pcs



E011-MX1

METRIC THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials.

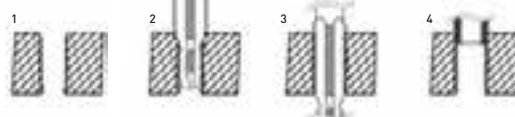


Art.	Dimensions	Boring bit	STI Taps	Inserting tool	Tang break tool	Inserts quantity
E011/M020X040	M 2 x 0.4	Ø 2.1 mm	E011/M020X040M	E011/U02	E011/A02	20
E011/M025X045	M 2.5 x 0.45	Ø 2.6 mm	E011/M025X045M	E011/U03	E011/A03	20
E011/M030X050	M 3 x 0.5	Ø 3.2 mm	E011/M030X050M	E011/U04	E011/A04	20
E011/M035X060	M 3.5 x 0.6	Ø 3.7 mm	E011/M035X060M	E011/U05	E011/A05	20
E011/M040X070	M 4 x 0.7	Ø 4.2 mm	E011/M040X070M	E011/U06	E011/A06	20
E011/M050X080	M 5 x 0.8	Ø 5.2 mm	E011/M050X080M	E011/U08	E011/A08	20
E011/M060X100	M 6 x 1.0	Ø 6.3 mm	E011/M060X100M	E011/U09	E011/A09	20
E011/M070X100	M 7 x 1.0	Ø 7.3 mm	E011/M070X100M	E011/U10	E011/A11	20
E011/M080X100	M 8 x 1.0	Ø 8.3 mm	E011/M080X100M	E011/U11	E011/A11	20
E011/M080X125	M 8 x 1.25	Ø 8.3 mm	E011/M080X125M	E011/U11	E011/A11	20
E011/M090X100	M 9 x 1.0	Ø 9.3 mm	E011/M090X100M	E011/U12	E011/A12	10
E011/M090X125	M 9 x 1.25	Ø 9.3 mm	E011/M090X125M	E011/U12	E011/A12	15
E011/M100X100	M 10 x 1.0	Ø 10.3 mm	E011/M100X100M	E011/U13	E011/A13	15
E011/M100X125	M 10 x 1.25	Ø 10.3 mm	E011/M100X125M	E011/U13	E011/A13	15
E011/M100X150	M 10 x 1.5	Ø 10.4 mm	E011/M100X150M	E011/U13	E011/A13	15
E011/M110X150	M 11 x 1.5	Ø 11.4 mm	E011/M110X150M	E011/U14	E011/A14	10
E011/M120X100	M 12 x 1.0	Ø 12.3 mm	E011/M120X100M	E011/U15	E011/A15	10
E011/M120X125	M 12 x 1.25	Ø 12.3 mm	E011/M120X125M	E011/U15	E011/A15	10
E011/M120X150	M 12 x 1.5	Ø 12.4 mm	E011/M120X150M	E011/U15	E011/A15	10
E011/M120X175	M 12 x 1.75	Ø 12.4 mm	E011/M120X175M	E011/U15	E011/A15	10
E011/M140X100	M 14 x 1.0	-	E011/M140X100M	E011/U16	-	10
E011/M140X125	M 14 x 1.25	-	E011/M140X125M	E011/U16	-	10
E011/M140X150	M 14 x 1.5	-	E011/M140X150M	E011/U17	-	10
E011/M140X200	M 14 x 2.0	-	E011/M140X200M	E011/U17	-	10
E011/M160X150	M 16 x 1.5	-	E011/M160X150M	E011/U18	-	10
E011/M160X200	M 16 x 2.0	-	E011/M160X200M	E011/U18	-	10
E011/M180X150	M 18 x 1.5	-	E011/M180X150M	E011/U20	-	5
E011/M180X200	M 18 x 2.0	-	E011/M180X200M	E011/U20	-	5
E011/M180X250	M 18 x 2.5	-	E011/M180X250M	E011/U20	-	5
E011/M200X150	M 20 x 1.5	-	E011/M200X150M	E011/U21	-	5
E011/M200X200	M 20 x 2.0	-	E011/M200X200M	E011/U21	-	5
E011/M200X250	M 20 x 2.5	-	E011/M200X250M	E011/U21	-	5
E011/M220X150	M 22 x 1.5	-	E011/M220X150M	E011/U22	-	5
E011/M220X200	M 22 x 2.0	-	E011/M220X200M	E011/U22	-	5
E011/M220X250	M 22 x 2.5	-	E011/M220X250M	E011/U22	-	5
E011/M240X150	M 24 x 1.5	-	E011/M240X150M	E011/U23	-	5
E011/M240X200	M 24 x 2.0	-	E011/M240X200M	E011/U23	-	5
E011/M240X300	M 24 x 3.0	-	E011/M240X300M	E011/U23	-	5

E011/M140X125B

METRIC SPARK PLUG SOLID THREAD REPAIR SET

Specific for repairs or reinforcement of spark plug seats.



STI Taps

Wire-thread inserts

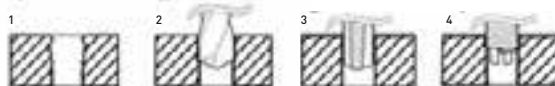
E011/M140X125MCB

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-MXC

SPARK PLUG METRIC THREAD REPAIR F-COIL SET

Specific for repairs or reinforcement of spark plug seats.



Art.	Size	Inserting tool	STI Taps	Wire-thread inserts
E011/M060X100C	M 6 x 1.0	E011/U09	E011/M060X100M	10
E011/M080X125C	M 8 x 1.25	E011/U11	E011/M080X125M	10
E011/M100X100C	M 10 x 1.0	E011/U13	E011/M100X100M	10
E011/M100X125C	M 10 x 1.25	E011/U13	E011/M100X125M	10
E011/M100X150C	M 10 x 1.5	E011/U13	E011/M100X150M	10
E011/M120X125C	M 12 x 1.25	E011/U15	E011/M120X125M	10
E011/M140X125C	M 14 x 1.25	E011/U17	E011/M140X125M	5 x E010/M140X125E084 - 5 x E010/M140X125E124 - 5 x E010/M140X125E164

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.



Hangable

Art.	Dimensions	H	Pack
E010/M140X125E084	M 14 x 1.25	8.4 mm	10
E010/M140X125E124	M 14 x 1.25	12.4 mm	10
E010/M140X125E164	M 14 x 1.25	16.4 mm	10

E011-M140X125EX
SOLID THREAD INSERT SPARK PLUG SET

Specific for repairs or reinforcement of spark plug seats.



Hangable

Art.	Size	H	Pack
E011/M140X125E095	M 14 x 1.25	9.5 mm	10
E011/M140X125E112	M 14 x 1.25	11.2 mm	10
E011/M140X125E127	M 14 x 1.25	12.7 mm	10
E011/M140X125E175	M 14 x 1.25	17.5 mm	10

E011/M140X125MCB
METRIC COMBINED TAP FOR SOLID INSERT

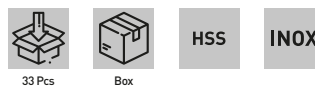
Specific for the creation of reset threads on spark plug seats.



Size	M 16 x 1.25
Hexagon	18 mm
L	70 mm
l	32 mm

E011/MC
METRIC GLOW PLUG SOLID THREAD REPAIR SET

Specific for repairs or reinforcement of glow plug seats.



33 Pcs

Box

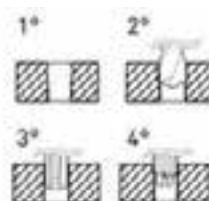
Sizes	8 mm - 10 mm - 12 mm
STI Taps	M8x1 - M10x1 - M10x1.25 - M12x1 - M12x1.25 - M14x1.25

E011/BSW
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

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

Art.	Thread	Boring bit	STI Taps	Inserting tool	Tang break tool	Wire-thread inserts	Inserts quantity
E011/BSW1/8	1/8" x 40	Ø 3.4 mm	E011/BSW1/8M	E011/U04	E011/A4	E010/BSW1/8E15	20
E011/BSW3/16	3/16" x 24	Ø 5.0 mm	E011/BSW3/16M	E011/U08	E011/A8	E010/BSW3/16E15	20
E011/BSW1/4	1/4" x 20	Ø 6.7 mm	E011/BSW1/4M	E011/U09	E011/A9	E010/BSW1/4E15	20
E011/BSW5/16	5/16" x 18	Ø 8.3 mm	E011/BSW5/16M	E011/U10	E011/A11	E010/BSW5/16E15	20
E011/BSW7/16	7/16" x 14	Ø 11.5 mm	E011/BSW7/16M	E011/U14	E011/A14	E010/BSW7/16E15	10
E011/BSW1/2	1/2" x 12	Ø 13.0 mm	E011/BSW1/2M	E011/U15	E011/A15	E010/BSW1/2E15	10
E011/BSW9/16	9/16" x 12	-	E011/BSW9/16M	E011/U16	-	E010/BSW9/16E15	10
E011/BSW5/8	5/8" x 11	-	E011/BSW5/8M	E011/U18	-	E010/BSW5/8E15	10
E011/BSW3/4	3/4" x 10	-	E011/BSW3/4M	E011/U20	-	E010/BSW3/4E15	5
E011/BSW7/8	7/8" x 9	-	E011/BSW7/8M	E011/U22	-	E010/BSW7/8E15	5
E011/BSW1	1" x 8	-	E011/BSW1M	E011/U23	-	E010/BSW1E15	4



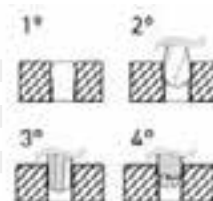
E011/BSF

1/4-1/2 BSF THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials.



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.



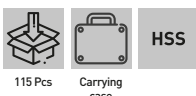
Art.	Thread	Boring bit	STI Taps	Inserting tool	Tang break tool	Wire-thread inserts	Inserts quantity
E011/BSF3/16	3/16" x 32	Ø 5.0 mm	E011/BSF3/16M	E011/U07	E011/A06	E010/BSF3/16E15	20
E011/BSF1/4	1/4" x 26	Ø 6.6 mm	E011/BSF1/4M	E011/U09	E011/A09	E010/BSF1/4E15	20
E011/BSF5/16	5/16" x 22	Ø 8.3 mm	E011/BSF5/16M	E011/U11	E011/A11	E010/BSF5/16E15	20
E011/BSF3/8	3/8" x 20	Ø 9.9 mm	E011/BSF3/8M	E011/U13	E011/A13	E010/BSF3/8E15	15
E011/BSF7/16	7/16" x 18	Ø 11.5 mm	E011/BSF7/16M	E011/U14	E011/A14	E010/BSF7/16E15	10
E011/BSF1/2	1/2" x 16	Ø 13.0 mm	E011/BSF1/2M	E011/U15	E011/A15	E010/BSF1/2E15	10
E011/BSF9/16	9/16" x 16	-	E011/BSF9/16M	E011/U16	-	E010/BSF9/16E15	10
E011/BSF5/8	5/8" x 14	-	E011/BSF5/8M	E011/U18	-	E010/BSF5/8E15	10
E011/BSF3/4	3/4" x 12	-	E011/BSF3/4M	E011/U20	-	E010/BSF3/4E15	5
E011/BSF7/8	7/8" x 11	-	E011/BSF7/8M	E011/U22	-	E010/BSF7/8E15	5
E011/BSF1	1" x 10	-	E011/BSF1M	E011/U23	-	E010/BSF1E15	4



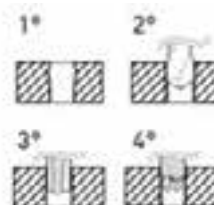
E011/UNC

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 mm3 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	



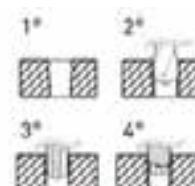
E011-UNCX

UNC THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials.

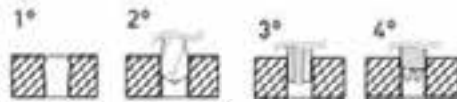


Art.	Thread	Drills	STI Taps	Inserting tool	Tang break tool	Wire-thread inserts	Inserts quantity
E011/UNC1/4	1/4" x 20	Ø 6.7 mm	E011/UNC1/4M	E011/U09	E011/A09	E010/UNC1/4E15	20
E011/UNC5/16	5/16" x 18	Ø 8.3 mm	E011/UNC5/16M	E011/U10	E011/A11	E010/UNC5/16E15	20
E011/UNC3/8	3/8" x 16	Ø 9.9 mm	E011/UNC3/8M	E011/U06	E011/A06	E010/UNC3/8E15	20
E011/UNC7/16	7/16" x 14	Ø 11.6 mm	E011/UNC7/16M	E011/U14	E011/A14	E010/UNC7/16E15	10
E011/UNC1/2	1/2" x 13	Ø 13.0 mm	E011/UNC1/2M	E011/U15	E011/A15	E010/UNC1/2E15	10
E011/UNC9/16	9/16" x 12	-	E011/UNC9/16M	E011/U16	-	E010/UNC9/16E15	10
E011/UNC5/8	5/8" x 1	-	E011/UNC5/8M	E011/U18	-	E010/UNC5/8E15	10
E011/UNC3/4	3/4" x 10	-	E011/UNC3/4M	E011/U20	-	E010/UNC3/4E15	5
E011/UNC7/8	7/8" x 9	-	E011/UNC7/8M	E011/U22	-	E010/UNC7/8E15	5



E011/UNF
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

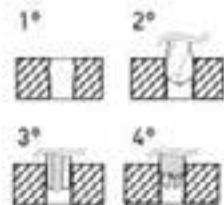
Suitable for thread regeneration or to obtain very resistant tapping in soft materials.



Hangable



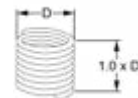
Art.	Thread	Drills	STI Taps	Inserting tool	Tang break tool	Wire-thread inserts	Inserts quantity
E011/UNFN10	No. 10 x 32	Ø 5.1 mm	E011/UNFN10M	E011/U08	E011/A08	E010/UNFN10E15	20
E011/UNF1/4	1/4" x 28	Ø 6.7 mm	E011/UNF1/4M	E011/U09	E011/A09	E010/UNF1/4E15	20
E011/UNF5/16	5/16" x 24	Ø 8.3 mm	E011/UNF5/16M	E011/U11	E011/A11	E010/UNF5/16E15	20
E011/UNF3/8	3/8" x 24	Ø 9.8 mm	E011/UNF3/8M	E011/U13	E011/A13	E010/UNF3/8E15	15
E011/UNF1/2	1/2" x 20	Ø 13.0 mm	E011/UNF1/2M	E011/U15	E011/A15	E010/UNF1/2E15	10
E011/UNF9/16	9/16" x 18	-	E011/UNF9/16M	E011/U16	-	E010/UNF9/16E15	10
E011/UNF5/8	5/8" x 18	-	E011/UNF5/8M	E011/U18	-	E010/UNF5/8E15	10
E011/UNF3/4	3/4" x 16	-	E011/UNF3/4M	E011/U21	-	E010/UNF3/4E15	5
E011/UNF7/8	7/8" x 14	-	E011/UNF7/8M	E011/U22	-	E010/UNF7/8E15	5
E011/UNF1	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.



Hangable



Art.	D	Pack
E010/M020X040E1	M 2 x 0.4	25
E010/M022X045E1	M 2.2 x 0.45	25
E010/M025X045E1	M 2.5 x 0.45	25
E010/M030X050E1	M 3 x 0.5	25
E010/M035X060E1	M 3.5 x 0.6	25
E010/M040X070E1	M 4 x 0.7	25
E010/M050X080E1	M 5 x 0.8	25
E010/M060X100E1	M 6 x 1.0	25
E010/M070X100E1	M 7 x 1.0	25
E010/M080X100E1	M 8 x 1.0	25
E010/M080X125E1	M 8 x 1.25	25
E010/M090X125E1	M 9 x 1.25	25
E010/M100X100E1	M 10 x 1.0	25
E010/M100X125E1	M 10 x 1.25	25
E010/M100X150E1	M 10 x 1.5	25
E010/M110X150E1	M 11 x 1.5	10
E010/M120X100E1	M 12 x 1.0	10
E010/M120X125E1	M 12 x 1.25	10
E010/M120X150E1	M 12 x 1.5	10

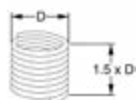
Art.	D	Pack
E010/M120X175E1	M 12 x 1.75	10
E010/M140X100E1	M 14 x 1.0	10
E010/M140X125E1	M 14 x 1.25	10
E010/M140X150E1	M 14 x 1.5	10
E010/M140X200E1	M 14 x 2.0	10
E010/M160X150E1	M 16 x 1.5	10
E010/M160X200E1	M 16 x 2.0	10
E010/M180X150E1	M 18 x 1.5	10
E010/M180X200E1	M 18 x 2.0	10
E010/M180X250E1	M 18 x 2.5	10
E010/M200X150E1	M 20 x 1.5	10
E010/M200X200E1	M 20 x 2.0	10
E010/M200X250E1	M 20 x 2.5	10
E010/M220X150E1	M 22 x 1.5	5
E010/M220X200E1	M 22 x 2.0	5
E010/M220X250E1	M 22 x 2.5	5
E010/M240X150E1	M 24 x 1.5	5
E010/M240X200E1	M 24 x 2.0	5
E010/M240X300E1	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.

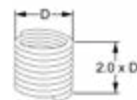


Art.	D	Pack
E010/M020X040E15	M 2 x 0.4	25
E010/M022X045E15	M 2.2 x 0.45	25
E010/M025X045E15	M 2.5 x 0.45	25
E010/M030X050E15	M 3 x 0.5	25
E010/M035X060E15	M 3.5 x 0.6	25
E010/M040X070E15	M 4 x 0.7	25
E010/M050X080E15	M 5 x 0.8	25
E010/M060X100E15	M 6 x 1.0	25
E010/M070X100E15	M 7 x 1.0	25
E010/M080X100E15	M 8 x 1.0	25
E010/M080X125E15	M 8 x 1.25	25
E010/M090X100E15	M 9 x 1.0	25
E010/M090X125E15	M 9 x 1.25	25
E010/M100X100E15	M 10 x 1.0	25
E010/M100X125E15	M 10 x 1.25	25
E010/M100X150E15	M 10 x 1.5	25
E010/M110X150E15	M 11 x 1.5	10
E010/M120X100E15	M 12 x 1.0	10
E010/M120X125E15	M 12 x 1.25	10
E010/M120X150E15	M 12 x 1.5	10
E010/M120X175E15	M 12 x 1.75	10
E010/M140X100E15	M 14 x 1.0	10
E010/M140X125E15	M 14 x 1.25	10
E010/M140X150E15	M 14 x 1.50	10
E010/M140X200E15	M 14 x 2.0	10
E010/M160X150E15	M 16 x 1.5	10
E010/M160X200E15	M 16 x 2.0	10
E010/M180X150E15	M 18 x 1.5	10
E010/M180X200E15	M 18 x 2.0	10
E010/M180X250E15	M 18 x 2.5	10
E010/M200X150E15	M 20 x 1.5	10
E010/M200X200E15	M 20 x 2.0	10
E010/M200X250E15	M 20 x 2.5	10
E010/M220X150E15	M 22 x 1.5	5
E010/M220X200E15	M 22 x 2.0	5
E010/M220X250E15	M 22 x 2.5	5
E010/M240X150E15	M 24 x 1.5	5
E010/M240X200E15	M 24 x 2.0	5
E010/M240X300E15	M 24 x 3.0	5
E010/M260X150E15	M 26 x 1.5	5
E010/M270X150E15	M 27 x 1.5	5
E010/M270X200E15	M 27 x 2.0	5
E010/M270X300E15	M 27 x 3.0	5
E010/M280X150E15	M 28 x 1.5	5
E010/M300X150E15	M 30 x 1.5	5
E010/M300X200E15	M 30 x 2.0	5
E010/M300X350E15	M 30 x 3.5	5
E010/M330X200E15	M 33 x 2.0	5
E010/M330X350E15	M 33 x 3.5	5
E010/M360X150E15	M 36 x 1.5	5
E010/M360X200E15	M 36 x 2.0	5
E010/M360X300E15	M 36 x 3.0	5
E010/M360X400E15	M 36 x 4.0	5
E010/M390X300E15	M 39 x 3.0	5
E010/M390X400E15	M 39 x 4.0	5
E010/M400X300E15	M 40 x 3.0	5
E010/M420X300E15	M 42 x 3.0	5
E010/M450X300E15	M 45 x 3.0	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.

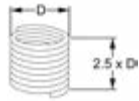


Art.	D	Pack
E010/M020X040E2	M 2 x 0.4	25
E010/M022X045E2	M 2.2 x 0.45	25
E010/M025X045E2	M 2.5 x 0.45	25
E010/M030X050E2	M 3 x 0.5	25
E010/M035X060E2	M 3.5 x 0.6	25
E010/M040X070E2	M 4 x 0.7	25
E010/M050X080E2	M 5 x 0.8	25
E010/M060X100E2	M 6 x 1.0	25
E010/M070X100E2	M 7 x 1.0	25
E010/M080X100E2	M 8 x 1.0	25
E010/M080X125E2	M 8 x 1.25	25
E010/M090X125E2	M 9 x 1.25	25
E010/M100X100E2	M 10 x 1.0	25
E010/M100X125E2	M 10 x 1.25	25
E010/M100X150E2	M 10 x 1.5	25
E010/M110X150E2	M 11 x 1.5	10
E010/M120X100E2	M 12 x 1.0	10
E010/M120X125E2	M 12 x 1.25	10
E010/M120X150E2	M 12 x 1.5	10
E010/M120X175E2	M 12 x 1.75	10
E010/M140X100E2	M 14 x 1.0	10
E010/M140X125E2	M 14 x 1.25	10
E010/M140X150E2	M 14 x 1.5	10
E010/M140X200E2	M 14 x 2.0	10
E010/M160X150E2	M 16 x 1.5	10
E010/M160X200E2	M 16 x 2.0	10
E010/M180X150E2	M 18 x 1.5	10
E010/M180X200E2	M 18 x 2.0	10
E010/M180X250E2	M 18 x 2.5	10
E010/M200X150E2	M 20 x 1.5	10
E010/M200X200E2	M 20 x 2.0	10
E010/M200X250E2	M 20 x 2.5	10
E010/M220X150E2	M 22 x 1.5	5
E010/M220X200E2	M 22 x 2.0	5
E010/M220X250E2	M 22 x 2.5	5
E010/M240X150E2	M 24 x 1.5	5
E010/M240X200E2	M 24 x 2.0	5
E010/M240X300E2	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.

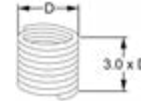

INOX

Hangable

Art.	D	Pack
E010/M020X040E25	2 x 0.4	25
E010/M022X045E25	2.2 x 0.45	25
E010/M025X045E25	2.5 x 0.45	25
E010/M030X050E25	3 x 0.5	25
E010/M035X060E25	3.5 x 0.6	25
E010/M040X070E25	4 x 0.7	25
E010/M050X080E25	5 x 0.8	25
E010/M060X100E25	6 x 1.0	25
E010/M070X100E25	7 x 1.0	25
E010/M080X100E25	8 x 1.0	25
E010/M080X125E25	8 x 1.25	25
E010/M090X125E25	9 x 1.25	25
E010/M100X100E25	10 x 1.0	25
E010/M100X125E25	10 x 1.25	25
E010/M100X150E25	10 x 1.5	25
E010/M110X150E25	11 x 1.5	10
E010/M120X100E25	12 x 1.0	10
E010/M120X125E25	12 x 1.25	10
E010/M120X150E25	12 x 1.5	10
E010/M120X175E25	12 x 1.75	10
E010/M140X100E25	14 x 1.0	10
E010/M140X125E25	14 x 1.25	10
E010/M140X150E25	14 x 1.5	10
E010/M140X200E25	14 x 2.0	10
E010/M160X150E25	16 x 1.5	10
E010/M160X200E25	16 x 2.0	10
E010/M180X150E25	18 x 1.5	10
E010/M180X200E25	18 x 2.0	10
E010/M180X250E25	18 x 2.5	10
E010/M200X150E25	20 x 1.5	10
E010/M200X200E25	20 x 2.0	10
E010/M200X250E25	20 x 2.5	10
E010/M220X150E25	22 x 1.5	5
E010/M220X200E25	22 x 2.0	5
E010/M220X250E25	22 x 2.5	5
E010/M240X150E25	24 x 1.5	5
E010/M240X200E25	24 x 2.0	5
E010/M240X300E25	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

Hangable

Art.	D	Pack
E010/M020X040E3	M 2 x 0.4	25
E010/M022X045E3	M 2.2 x 0.45	25
E010/M025X045E3	M 2.5 x 0.45	25
E010/M030X050E3	M 3 x 0.5	25
E010/M035X060E3	M 3.5 x 0.6	25
E010/M040X070E3	M 4 x 0.7	25
E010/M050X080E3	M 5 x 0.8	25
E010/M060X100E3	M 6 x 1.0	25
E010/M070X100E3	M 7 x 1.0	25
E010/M080X100E3	M 8 x 1.0	25
E010/M080X125E3	M 8 x 1.25	25
E010/M090X125E3	M 9 x 1.25	25
E010/M100X100E3	M 10 x 1.0	25
E010/M100X125E3	M 10 x 1.25	25
E010/M100X150E3	M 10 x 1.5	25
E010/M110X150E3	M 11 x 1.5	10
E010/M120X100E3	M 12 x 1.0	10
E010/M120X125E3	M 12 x 1.25	10
E010/M120X150E3	M 12 x 1.5	10
E010/M120X175E3	M 12 x 1.75	10
E010/M140X100E3	M 14 x 1.0	10
E010/M140X125E3	M 14 x 1.25	10
E010/M140X150E3	M 14 x 1.5	10
E010/M140X200E3	M 14 x 2.0	10
E010/M160X150E3	M 16 x 1.5	10
E010/M160X200E3	M 16 x 2.0	10
E010/M180X150E3	M 18 x 1.5	10
E010/M180X200E3	M 18 x 2.0	10
E010/M180X250E3	M 18 x 2.5	10
E010/M200X150E3	M 20 x 1.5	10
E010/M200X200E3	M 20 x 2.0	10
E010/M200X250E3	M 20 x 2.5	10
E010/M220X150E3	M 22 x 1.5	5
E010/M220X200E3	M 22 x 2.0	5
E010/M220X250E3	M 22 x 2.5	5
E010/M240X150E3	M 24 x 1.5	5
E010/M240X200E3	M 24 x 2.0	5
E010/M240X300E3	M 24 x 3.0	5





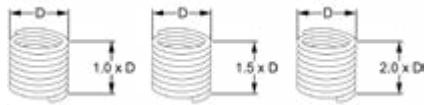
E010-MXEXA

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.



INOX



Art.	D	Height	Pack
E010/M030X050E1A	M 3 x 0.5	1.0 D	25
E010/M040X070E1A	M 4 x 0.7	1.0 D	25
E010/M050X080E1A	M 5 x 0.8	1.0 D	25
E010/M060X100E1A	M 6 x 1.0	1.0 D	25
E010/M080X125E1A	M 8 x 1.25	1.0 D	25
E010/M100X150E1A	M 10 x 1.5	1.0 D	25
E010/M120X175E1A	M 12 x 1.75	1.0 D	10
E010/M140X200E1A	M 14 x 2.0	1.0 D	10
E010/M160X200E1A	M 16 x 2.0	1.0 D	10
E010/M030X050E15A	M 3 x 0.5	1.5 D	25
E010/M040X070E15A	M 4 x 0.7	1.5 D	25
E010/M050X080E15A	M 5 x 0.8	1.5 D	25
E010/M060X100E15A	M 6 x 1.0	1.5 D	25
E010/M080X125E15A	M 8 x 1.25	1.5 D	25
E010/M100X150E15A	M 10 x 1.5	1.5 D	25
E010/M120X175E15A	M 12 x 1.75	1.5 D	10
E010/M140X200E15A	M 14 x 2.0	1.5 D	10
E010/M160X200E15A	M 16 x 2.0	1.5 D	10
E010/M030X050E2A	M 3 x 0.5	2.0 D	25
E010/M040X070E2A	M 4 x 0.7	2.0 D	25
E010/M050X080E2A	M 5 x 0.8	2.0 D	25
E010/M060X100E2A	M 6 x 1.0	2.0 D	25
E010/M080X125E2A	M 8 x 1.25	2.0 D	25
E010/M100X150E2A	M 10 x 1.5	2.0 D	25
E010/M120X175E2A	M 12 x 1.75	2.0 D	10
E010/M140X200E2A	M 14 x 2.0	2.0 D	10
E010/M160X200E2A	M 16 x 2.0	2.0 D	10

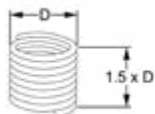
E010-BSFXEX

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.



INOX



Art.	D	Pack
E010/BSF3/16E15	3/16" x 32	10
E010/BSF1/4E15	1/4" x 26	10
E010/BSF5/16E15	5/16" x 22	10
E010/BSF3/8E15	3/8" x 20	10
E010/BSF7/16E15	7/16" x 18	10
E010/BSF1/2E15	1/2" x 16	10
E010/BSF9/16E15	9/16" x 16	5
E010/BSF5/8E15	5/8" x 14	5
E010/BSF3/4E15	3/4" x 12	5
E010/BSF7/8E15	7/8" x 11	5
E010/BSF1E15	1" x 10	5

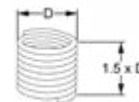
E010-BSWXEX

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.



INOX



Art.	D	Pack
E010/BSW1/8E15	1/8" x 40	10
E010/BSW3/16E15	3/16" x 24	10
E010/BSW1/4E15	1/4" x 20	10
E010/BSW5/16E15	5/16" x 18	10
E010/BSW3/8E15	3/8" x 16	10
E010/BSW7/16E15	7/16" x 14	10
E010/BSW1/2E15	1/2" x 12	10
E010/BSW9/16E15	9/16" x 12	5
E010/BSW5/8E15	5/8" x 11	5
E010/BSW3/4E15	3/4" x 10	5
E010/BSW7/8E15	7/8" x 9	5
E010/BSW1E15	1" x 8	5

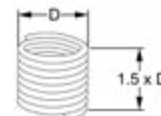
E010-UNCXEX

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.



INOX



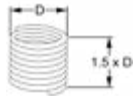
Art.	D	Pack
E010/UNC1/4E15	1/4" x 20	10
E010/UNC5/16E15	5/16" x 18	10
E010/UNC3/8E15	3/8" x 16	10
E010/UNC7/16E15	7/16" x 14	10
E010/UNC1/2E15	1/2" x 13	10
E010/UNC9/16E15	9/16" x 12	5
E010/UNC5/8E15	5/8" x 11	5
E010/UNC3/4E15	3/4" x 10	5
E010/UNC7/8E15	7/8" x 9	5

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.



Hangable

INOX


Art.	D	Pack
E010/UNFN04E15	No. 4 x 48	10
E010/UNFN10E15	No. 10 x 32	10
E010/UNF1/4E15	1/4" x 28	10
E010/UNF5/16E15	5/16" x 24	10
E010/UNF3/8E15	3/8" x 24	10
E010/UNF7/16E15	7/16" x 20	10
E010/UNF1/2E15	1/2" x 20	10
E010/UNF9/16E15	9/16" x 18	5
E010/UNF5/8E15	5/8" x 18	5
E010/UNF3/4E15	3/4" x 16	5
E010/UNF7/8E15	7/8" x 14	5
E010/UNF1E15	1" x 12	5

E011-MXM
METRIC F-COIL STI TAP

Special type for creating the threaded insert housing seat



Box

HSS-G


Steel



Aluminum


 Non-ferr.
alloys


Cast Iron



Oil



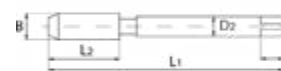
Lathe



Mill



Manual use



Art.	Size	B	L1	L2	D2	C
E011/M020X040M	M 2 x 0.40	2.5 mm	44.5 mm	9.5 mm	2.8 mm	2.24 mm
E011/M025X045M	M 2.5 x 0.45	3.1 mm	48.0 mm	11.0 mm	3.15 mm	2.5 mm
E011/M030X050M	M 3 x 0.5	3.6 mm	53.0 mm	13.0 mm	4.0 mm	3.15 mm
E011/M035X060M	M 3.5 x 0.6	4.3 mm	53.0 mm	13.0 mm	4.5 mm	3.55 mm
E011/M040X070M	M 4 x 0.7	4.9 mm	58 mm	16.0 mm	5.0 mm	4.00 mm
E011/M050X080M	M 5 x 0.8	6.0 mm	66.0 mm	19.0 mm	6.3 mm	5.00 mm
E011/M060X100M	M 6 x 1.0	7.3 mm	72.0 mm	22.0 mm	8.0 mm	6.30 mm
E011/M070X100M	M 7 x 1.0	8.3 mm	72.0 mm	22.0 mm	9.0 mm	7.10 mm
E011/M080X100M	M 8 x 1.0	9.3 mm	80.0 mm	24.0 mm	10.0 mm	8.00 mm
E011/M080X125M	M 8 x 1.25	9.6 mm	80.0 mm	24.0 mm	8.0 mm	8.00 mm
E011/M090X100M	M 9 x 1.0	10.6 mm	85.0 mm	25.0 mm	8.0 mm	6.30 mm
E011/M090X125M	M 9 x 1.25	10.6 mm	85.0 mm	25.0 mm	8.0 mm	6.30 mm
E011/M100X100M	M 10 x 1.0	11.3 mm	85.0 mm	25.0 mm	8.0 mm	6.30 mm
E011/M100X125M	M 10 x 1.25	11.6 mm	85.0 mm	25.0 mm	8.0 mm	6.30 mm
E011/M100X150M	M 10 x 1.5	11.9 mm	89.0 mm	29.0 mm	9.0 mm	7.10 mm
E011/M110X150M	M 11 x 1.5	12.9 mm	89.0 mm	29.0 mm	9.0 mm	7.10 mm
E011/M120X100M	M 12 x 1.0	13.3 mm	95.0 mm	30.0 mm	11.2 mm	9.00 mm
E011/M120X125M	M 12 x 1.25	13.6 mm	95.0 mm	30.0 mm	11.2 mm	9.00 mm
E011/M120X150M	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	M 12 x 1.75	14.3 mm	95.0 mm	30.0 mm	11.2 mm	9.00 mm
E011/M140X100M	M 14 x 1.0	15.3 mm	102.0 mm	32.0 mm	12.5 mm	10.00 mm
E011/M140X125M	M 14 x 1.25	15.6 mm	102.0 mm	32.0 mm	12.5 mm	10.00 mm
E011/M140X150M	M 14 x 1.5	16.0 mm	102.0 mm	32.0 mm	12.5 mm	10.00 mm
E011/M140X200M	M 14 x 2.0	16.6 mm	102.0 mm	32.0 mm	12.5 mm	10.00 mm
E011/M160X150M	M 16 x 1.5	18.0 mm	104.0 mm	29.0 mm	14.0 mm	11.20 mm
E011/M160X200M	M 16 x 2.0	18.6 mm	112.0 mm	37.0 mm	14.0 mm	11.20 mm
E011/M180X150M	M 18 x 1.5	20.0 mm	104.0 mm	29.0 mm	14.0 mm	11.20 mm
E011/M180X200M	M 18 x 2.0	20.6 mm	104.0 mm	29.0 mm	14.0 mm	11.20 mm
E011/M180X250M	M 18 x 2.5	21.3 mm	118.0 mm	38.0 mm	16.0 mm	12.50 mm
E011/M200X150M	M 20 x 1.5	22.0 mm	113.0 mm	33.0 mm	16.0 mm	12.50 mm
E011/M200X200M	M 20 x 2.0	22.6 mm	113.0 mm	33.0 mm	16.0 mm	12.50 mm
E011/M200X250M	M 20 x 2.5	23.3 mm	118.0 mm	38.0 mm	16.0 mm	12.50 mm
E011/M220X150M	M 22 x 1.5	24.0 mm	120.0 mm	35.0 mm	18.0 mm	14.00 mm
E011/M220X200M	M 22 x 2.0	24.6 mm	120.0 mm	35.0 mm	18.0 mm	14.00 mm
E011/M220X250M	M 22 x 2.5	25.3 mm	130.0 mm	45.0 mm	18.0 mm	14.00 mm
E011/M240X150M	M 24 x 1.5	26.0 mm	120.0 mm	35.0 mm	18.0 mm	14.00 mm
E011/M240X200M	M 24 x 2.0	26.6 mm	127.0 mm	37.0 mm	20.0 mm	16.00 mm
E011/M240X300M	M 24 x 3.0	27.9 mm	138.0 mm	48.0 mm	20.0 mm	16.00 mm

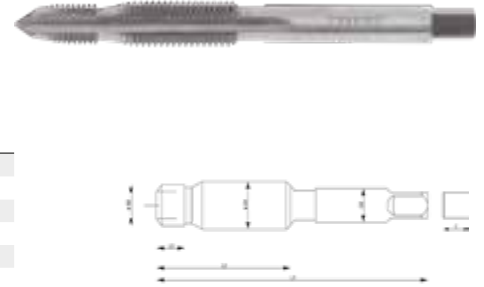
E011-MXMC

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	M 6 x 1.0	7.3 mm	6 mm	7 mm	28 mm	70 mm	8 mm	6.3 mm
E011/M080X125MC	M 8 x 1.25	9.6 mm	8 mm	9 mm	32 mm	75 mm	8 mm	6.3 mm
E011/M100X100MC	M 10 x 1.0	11.3 mm	10 mm	8 mm	30 mm	74 mm	8 mm	6.3 mm
E011/M100X125MC	M 10 x 1.25	11.6 mm	10 mm	8 mm	30 mm	74 mm	8 mm	6.3 mm
E011/M100X150MC	M 10 x 1.5	11.9 mm	10 mm	9 mm	37 mm	80 mm	9 mm	7.1 mm
E011/M120X125MC	M 12 x 1.25	13.6 mm	12 mm	9 mm	32 mm	75 mm	9 mm	7.1 mm
E011/M140X125MC	M 14 x 1.25	15.6 mm	14 mm	10 mm	45 mm	90 mm	12 mm	9.2 mm
E011/M180X150MC	M 18 x 1.25	20.0 mm	18 mm	10 mm	47 mm	116 mm	16 mm	12.5 mm



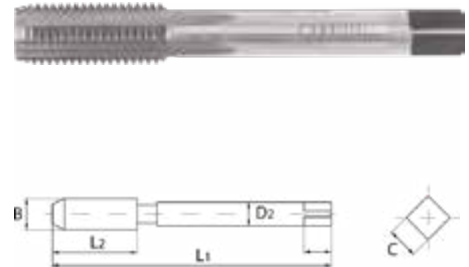
E011-BSWXM

BSW F-COIL STI TAP

Special type for creating the threaded insert housing seat



Art.	Size	B	L1	L2	D2	C
E011/BSW1/8M	1/8" x 40	3.9 mm	53.0 mm	13.0 mm	4.0 mm	3.15 mm
E011/BSW3/16M	3/16" x 24	6.0 mm	56.0 mm	19.0 mm	6.3 mm	5.00 mm
E011/BSW1/4M	1/4" x 20	7.8 mm	72.0 mm	22.0 mm	8.0 mm	6.30 mm
E011/BSW5/16M	5/16" x 18	9.6 mm	80.0 mm	24.0 mm	10.0 mm	8.00 mm
E011/BSW3/8M	3/8" x 16	11.4 mm	85.0 mm	25.0 mm	8.0 mm	6.30 mm
E011/BSW7/16M	7/16" x 14	13.2 mm	95.0 mm	30.0 mm	11.2 mm	9.00 mm
E011/BSW1/2M	1/2" x 12	15.2 mm	102.0 mm	32.0 mm	12.5 mm	10.00 mm
E011/BSW9/16M	9/16" x 12	16.8 mm	102.0 mm	32.0 mm	12.5 mm	10.00 mm
E011/BSW5/8M	5/8" x 11	18.6 mm	112.0 mm	37.0 mm	14.0 mm	11.20 mm
E011/BSW3/4M	3/4" x 10	22.0 mm	118.0 mm	38.0 mm	16.0 mm	12.50 mm
E011/BSW7/8M	7/8" x 9	25.5 mm	130.0 mm	45.0 mm	18.0 mm	14.00 mm
E011/BSW1M	1" x 8	29.1 mm	138.0 mm	48.0 mm	20.0 mm	16.0 mm



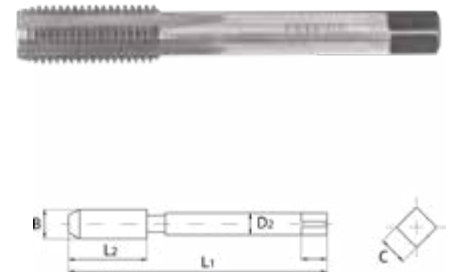
E011-BSFXM

BSF F-COIL STI TAP

Special type for creating the threaded insert housing seat



Art.	Size	B	L1	L2	D2	C
E011/BSF3/16M	3/16" x 32	5.7 mm	66.0 mm	19.0 mm	6.3 mm	5.00 mm
E011/BSF1/4M	1/4" x 26	7.5 mm	72.0 mm	22.0 mm	8.0 mm	6.30 mm
E011/BSF5/16M	5/16" x 22	9.3 mm	80.0 mm	24.0 mm	10.0 mm	8.00 mm
E011/BSF3/8M	3/8" x 20	11.0 mm	85.0 mm	25.0 mm	8.0 mm	6.30 mm
E011/BSF7/16M	7/16" x 18	12.8 mm	89.0 mm	29.0 mm	9.0 mm	7.10 mm
E011/BSF1/2M	1/2" x 16	14.6 mm	95.0 mm	30.0 mm	11.2 mm	9.00 mm
E011/BSF9/16M	9/16" x 16	16.2 mm	102.0 mm	32.0 mm	12.5 mm	10.00 mm
E011/BSF5/8M	5/8" x 14	18.0 mm	112.0 mm	37.0 mm	14.0 mm	11.20 mm
E011/BSF3/4M	3/4" x 12	21.5 mm	118.0 mm	38.0 mm	16.0 mm	12.5 mm
E011/BSF7/8M	7/8" x 11	24.9 mm	130.0 mm	45.0 mm	18.0 mm	14.00 mm
E011/BSF1M	1" x 10	28.4 mm	138.0 mm	48.0 mm	20.0 mm	16.00 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/UNC1/4M	1/4" x 20	8.0 mm	72.0 mm	22.0 mm	8.0 mm	6.30 mm
E011/UNC5/16M	5/16" x 18	9.8 mm	80.0 mm	24.0 mm	10.0 mm	8.00 mm
E011/UNC3/8M	3/8" x 16	11.6 mm	85.0 mm	25.0 mm	8.0 mm	6.30 mm
E011/UNC7/16M	7/16" x 14	13.5 mm	95.0 mm	30.0 mm	11.2 mm	10.00 mm
E011/UNC1/2M	1/2" x 13	15.2 mm	102.0 mm	32.0 mm	12.5 mm	10.00 mm
E011/UNC9/16M	9/16" x 12	17.0 mm	112.0 mm	37.0 mm	14.0 mm	11.20 mm
E011/UNC5/8M	5/8" x 11	18.9 mm	112.0 mm	37.0 mm	14.0 mm	11.20 mm
E011/UNC3/4M	3/4" x 10	22.4 mm	118.0 mm	38.0 mm	16.0 mm	12.50 mm
E011/UNC7/8M	7/8" x 9	25.9 mm	130.0 mm	45.0 mm	18.0 mm	14.00 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	No. 4 x 48	3.5 mm	53.0 mm	13.0 mm	4.0 mm	3.15 mm
E011/UNFN10M	No. 10 x 32	5.9 mm	66.0 mm	19.0 mm	6.3 mm	5.00 mm
E011/UNF1/4M	1/4" x 28	7.5 mm	69.0 mm	19.0 mm	8.0 mm	6.30 mm
E011/UNF5/16M	5/16" x 24	9.3 mm	76.0 mm	20.0 mm	10.0 mm	8.00 mm
E011/UNF3/8M	3/8" x 24	10.9 mm	82.0 mm	22.0 mm	8.0 mm	6.3 mm
E011/UNF7/16M	7/16" x 20	12.8 mm	84.0 mm	24.0 mm	9.0 mm	7.10 mm
E011/UNF1/2M	1/2" x 20	14.4 mm	90.0 mm	25.0 mm	11.2 mm	9.00 mm
E011/UNF9/16M	9/16" x 18	16.1 mm	104.0 mm	29.0 mm	12.5 mm	10.00 mm
E011/UNF5/8M	5/8" x 18	17.7 mm	104.0 mm	29.0 mm	14.0 mm	11.20 mm
E011/UNF3/4M	3/4" x 16	21.1 mm	104.0 mm	29.0 mm	14.0 mm	11.20 mm
E011/UNF7/8M	7/8" x 14	24.6 mm	120.0 mm	35.0 mm	18.0 mm	14.00 mm
E011/UNF112M	1" x 12	28.2 mm	127.0 mm	37.0 mm	20.0 mm	16.00 mm



E011-UMX

F-COIL MOUNTING TOOL HEXAGONAL DRIVE

Art.	Diameter	Hex drive
E011/UM260X150	M 26 x 1.5	1/2"
E011/UM270X150	M 27 x 1.5	1/2"
E011/UM270X200	M 27 x 2.0	1/2"
E011/UM270X300	M 27 x 3.0	1/2"
E011/UM280X150	M 28 x 1.5	1/2"
E011/UM300X150	M 30 x 1.5	1/2"
E011/UM300X200	M 30 x 2.0	1/2"
E011/UM300X350	M 30 x 3.5	1/2"
E011/UM330X200	M 33 x 2.0	1/2"
E011/UM330X350	M 33 x 3.5	1/2"
E011/UM360X150	M 36 x 1.5	1/2"
E011/UM360X200	M 36 x 2.0	1/2"
E011/UM360X300	M 36 x 3.0	1/2"
E011/UM360X400	M 36 x 4.0	1/2"





E011-UX

F-COIL MOUNTING TOOL

Art.	Metric	Inch
E011/U02	M 2 x 0.4 - M 2.2 x 0.45	UNC N02
E011/U03	M 2.5 x 0.45	-
E011/U04	M 3 x 0.5	UNC N05 - UNC/UNF N04 - BSW 1/8"
E011/U05	M 3.5 x 0.6	UNC/UNF N06
E011/U06	M 4 x 0.7	UNC/UNF N08
E011/U08	M 5 x 0.8	UNF N10 - UNC N12 - BSF 3/16"
E011/U09	M 6 x 1.0	UNC/UNF 1/4" - BSW/BSF 1/4"
E011/U10	M 7 x 1.0	UNC/BSW 5/16"
E011/U11	M 8 x 1.25 - M 8 x 1.0	UNF/BSF 5/16"
E011/U12	M 9 x 1.25 - M 9 x 1.0	UNC/BSW 3/8"
E011/U13	M 10 x 1.5 - M 10 x 1.0 - M 10 x 1.25	UNF/BSF 3/8"
E011/U14	M 11 x 1.5	UNC/UNF 7/16" - BSW-BSF 7/16"
E011/U15	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	M 14 x 2.0 - M 14 x 1.5	UNC/UNF 9/16" - BSW-BSF 9/16"
E011/U17	M 14 x 1.25 - M 14 x 1.0	-
E011/U18	M 16 x 2.0 - M 16 x 1.5	UNC/UNF 5/8" - BSW-BSF 5/8"
E011/U20	M 18 x 2.5 - M 18 x 2.0 - M 18 x 1.5	UNC 3/4" - BSW-BSF 3/4"
E011/U21	M 20 x 2.5 - M 20 x 2.0 - M 20 x 1.5	UNF 3/4"
E011/U22	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	M 24 x 3.0 - M 24 x 2.0 - M 24 x 1.5	UNC/UNF 1" - BSW-BSF 1"



E011-EX

F-COIL PULLER

Art.	Metric	Inch
E011/E2	M 3 - M 10	3/16" - 3/8"
E011/E3	M 11 - M 25	3/8" - 1"



E011-AX

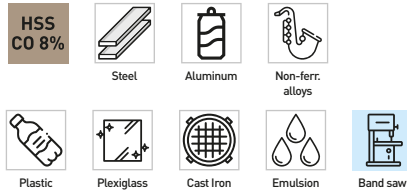
F-COIL TANG BREAKING TOOL

Art.	Metric	Inch
E011/A02	M 2 x 0.4 - M 2.2 x 0.45	UNC N02
E011/A03	M 2.5 x 0.45	-
E011/A04	M 3 x 0.5	UNC/UNF N04
E011/A05	M 3.5 x 0.6	UNC/UNF N06
E011/A06	M 4 x 0.7	UNC N10 - UNC/UNF N08 - BSF 3/16"
E011/A08	M 5 x 0.8	UNF N10 - UNC N12 - BSF 3/16"
E011/A09	M 6 x 1.0	UNC/UNF 1/4" - BSW/BSF 1/4"
E011/A11	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	M 9 x 1.0 - M 9 x 1.25	UNC 3/8" - BSW/BSF 3/8"
E011/A13	M 10 x 1.5 - M 10 x 1.0 - M 10 x 1.25	UNF 3/8"
E011/A14	M 11 x 1.5	UNC/UNF 7/16" - BSW/BSF 7/16"
E011/A15	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"



LBX
NEW
BI-METAL BANDSAW BLADE FOR METAL

Welded in standard length.

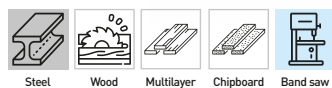


Art.	Sizes	Specifications	Pitch
LB01/1140	1140 x 13 x 0.65 mm	T 8 / 12 Bi-Metal	Variable
LB01/1325	1325 x 13 x 0.65 mm	T 8 / 12 Bi-Metal	Variable
LB01/1335	1335 x 13 x 0.65 mm	T 8 / 12 Bi-Metal	Variable
LB01/1435	1435 x 13 x 0.65 mm	T 8 / 12 Bi-Metal	Variable
LB01/1440	1440 x 13 x 0.65 mm	T 8 / 12 Bi-Metal	Variable
LB01/1638	1638 x 13 x 0.65 mm	T 8 / 12 Bi-Metal	Variable
LB01/1735	1735 x 13 x 0.65 mm	T 8 / 12 Bi-Metal	Variable
LB02/1140	1140 x 13 x 0.65 mm	T 6 Bi-Metal	Fix
LB02/1435	1435 x 13 x 0.65 mm	T 6 Bi-Metal	Fix
LB05/1735	1735 x 13 x 0.9 mm	T 8 / 12 Bi-Metal	Variable
LB07/2000	2000 x 20 x 0.9 mm	T 8 / 12 Bi-Metal	Variable
LB07/2080	2080 x 20 x 0.9 mm	T 8 / 12 Bi-Metal	Variable
LB07/2100	2100 x 20 x 0.9 mm	T 8 / 12 Bi-Metal	Variable
LB07/2140	2140 x 20 x 0.9 mm	T 8 / 12 Bi-Metal	Variable
LB07/2160	2160 x 20 x 0.9 mm	T 8 / 12 Bi-Metal	Variable
LB08/2000	2000 x 20 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB08/2080	2080 x 20 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB08/2100	2100 x 20 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB08/2140	2140 x 20 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB08/2160	2160 x 20 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB09/2375	2375 x 27 x 0.9 mm	T 8 / 11 Bi-Metal	Variable
LB09/2450	2450 x 27 x 0.9 mm	T 8 / 11 Bi-Metal	Variable
LB09/2500	2500 x 27 x 0.9 mm	T 8 / 11 Bi-Metal	Variable

Art.	Sizes	Specifications	Pitch
LB09/2720	2720 x 27 x 0.9 mm	T 8 / 11 Bi-Metal	Variable
LB09/2750	2750 x 27 x 0.9 mm	T 8 / 11 Bi-Metal	Variable
LB09/2825	2825 x 27 x 0.9 mm	T 8 / 11 Bi-Metal	Variable
LB09/2845	2845 x 27 x 0.9 mm	T 8 / 11 Bi-Metal	Variable
LB09/2945	2945 x 27 x 0.9 mm	T 8 / 11 Bi-Metal	Variable
LB09/2950	2950 x 27 x 0.9 mm	T 8 / 11 Bi-Metal	Variable
LB09/3010	3010 x 27 x 0.9 mm	T 8 / 11 Bi-Metal	Variable
LB09/3100	3100 x 27 x 0.9 mm	T 8 / 11 Bi-Metal	Variable
LB09/3120	3120 x 27 x 0.9 mm	T 8 / 11 Bi-Metal	Variable
LB09/3150	3150 x 27 x 0.9 mm	T 8 / 11 Bi-Metal	Variable
LB10/2375	2375 x 27 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB10/2450	2450 x 27 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB10/2500	2500 x 27 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB11/2720	2720 x 27 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB10/2750	2750 x 27 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB10/2825	2825 x 27 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB10/2845	2845 x 27 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB10/2945	2945 x 27 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB10/2950	2950 x 27 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB10/3010	3010 x 27 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB10/3100	3100 x 27 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB10/3120	3120 x 27 x 0.9 mm	T 5 / 7 Bi-Metal	Variable
LB10/3150	3150 x 27 x 0.9 mm	T 5 / 7 Bi-Metal	Variable

N7X
BLADE FOR WOOD

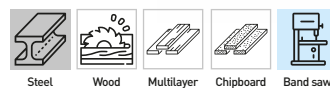
Blade for shaped cutting of thin wood.



Art.	Sizes	Specifications
N194	1400 x 6 x 0.36 mm	T6
N717/N	1430 x 6 x 0,36 mm	T6
N188	1790 x 6 x 0.36 mm	T10
N190	1826 x 6 x 0.36 mm	T10
N855/N2	2240 x 13 x 0,65 mm	T8
N186	2400 x 13 x 0.65 mm	T8
N192	2560 x 13 x 0.65 mm	T8
N764/N2	2950 x 13 x 0,65 mm	T6
N764/455/N2	3430 x 16 x 0,65 mm	T6

N7X1
BLADES FOR WOOD

Blade for straight cut of thick wood.



Art.	Sizes	Specifications
N195	1400 x 10 x 0,36 mm	T6
N717/N1	1430 x 10 x 0,36 mm	T6
N189	1790 x 10 x 0.36 mm	T6
N191	1826 x 10 x 0.36 mm	T6
N855/N	2240 x 16 x 0,65 mm	T4
N187	2400 x 16 x 0.65 mm	T4
N193	2560 x 16 x 0.65 mm	T4
N764/N	2950 x 16 x 0,65 mm	T4
N764/455/N	3430 x 20 x 0,65 mm	T4



LSL76-20

NEW

JIGSAW BLADE SET



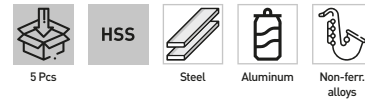
Length	76 mm
Cutting Depth	51 mm
Thickness	2 mm



LSM76-12

NEW

JIGSAW BLADE SET



Length	76 mm
Cutting Depth	51 mm
Thickness	1,2 mm

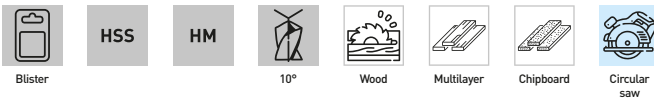


07X

NEW

WOOD CARBIDE TIPPED SAW BLADES

With alternate universal teeth.



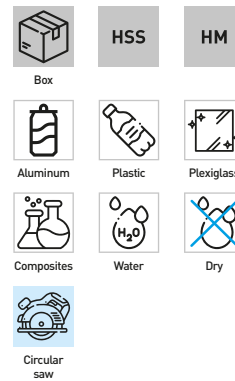
Art.	ø	Teeth Z	Hole	Cut thickness	Blade thickness	rpm max
0735	190 mm	24	ø 20 mm	2,2 mm	1,5 mm	8000
0736	190 mm	48	ø 20 mm	2,2 mm	1,5 mm	8000
0685	254 mm	24	ø 30 mm	3,2 mm	2,2 mm	6300
0702	250 mm	60	ø 30 mm	3,2 mm	2,2 mm	7000
0703	250 mm	80	ø 30 mm	3,2 mm	2,2 mm	7000
0704	300 mm	72	ø 30 mm	3,2 mm	2,2 mm	6000
0705	300 mm	96	ø 30 mm	3,2 mm	2,2 mm	6000
0899	315 mm	25	ø 30 mm	2,8 mm	1,8 mm	6000
0745	350 mm	54	ø 30 mm	3,5 mm	2,5 mm	5000
0707	400 mm	48	ø 30 mm	3,5 mm	2,5 mm	4500
0746	450 mm	60	ø 30 mm	4 mm	3,0 mm	4000

0762-

NEW

ALUMINIUM AND PLASTIC CARBIDE TIPPED SAW BLADE

Trapezoidal flat toothing with alternating sharpening.



Art.	ø	Teeth Z	Hole	Cut thickness	Blade thickness	rpm max
0762/190	190 mm	48	ø 20 mm	2,2 mm	1,5 mm	8000
0762/250	250 mm	60	ø 32 mm	3,2 mm	2,8 mm	7000
0762/300	300 mm	72	ø 32 mm	3,2 mm	2,8 mm	6000







FLAP DISCS

- p. 256  Professional
- p. 260  Performance
- p. 264  Grindflex
- p. 268  Smartflex
- p. 271  Specialty
- p. 275  Fast Lock



CLEANING

- p. 291  Surface Conditioning
- p. 293  Abrasive Nylon
- p. 294  Non woven



FINISHING AND POLISHING

- p. 295  Felt and abrasive pastes
- p. 297  Sisal, cotton and wool
- p. 300  Sponges and abrasive rubbers



CUTTING WHEELS

- p. 307  Cutting discs
- p. 310  Grinding discs
- p. 311  Grinding wheels with hole
- p. 312  Mounted grinding wheels
- p. 313  Diamond blades





ABRASIVE WHEELS

- p. 276  Wheels with shaft
- p. 277  Wheels with hole
- p. 278  Wheels for satin finishers







WIRE BRUSHES

- p. 301  Brushes with bore
- p. 303  Brushes with shaft



ABRASIVE DISCS AND BELTS

- p. 281  Fiber discs
- p. 282  Adhesive and velcro discs
- p. 286  Rolls and sheets
- p. 290  Belts

RIFLEX, SPECIFIC EXPERIENCE

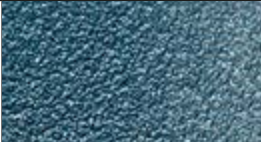




MADE IN ITALY

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

		Zirconium Cotton	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.
		Corundum Cotton	For metals and wood, for standard processing. Cotton support. This cloth is declined in various performance steps based on the product families.
SPECIALITY		Zircoceramic Polycotton	Specially designed for processing stainless steel. Third cooling layer, polycotton backing, high cutting speed.
SPECIALITY		Ceramic Polycotton	Specially designed for processing stainless steel, for heavy stock removal. Third cooling layer, extremely resistant polycotton backing, maximum cutting speed.
SPECIALITY		Abranet® Polyamide Mesh	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 zirconium.



GRINDFLEX

MULTI PURPOSE

The "best seller", suitable for massive removals and finishing on most types of ferrous and non-ferrous metal surfaces.

SMARTFLEX

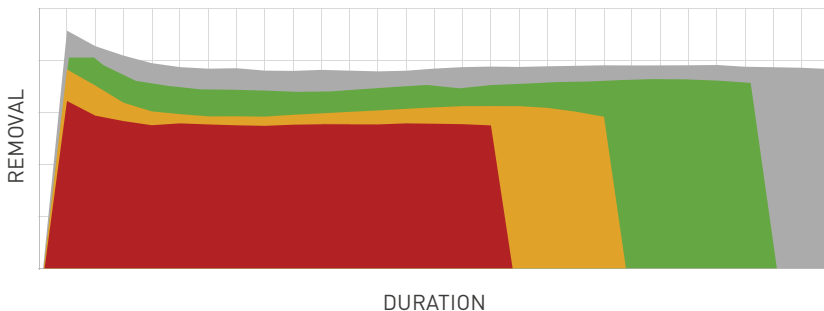
VALUE FOR MONEY

The best price with professional performances. For removal and finishing operations.

SPECIALTY

FOR SPECIAL WORKING

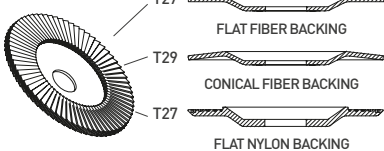
Range of discs for professional working on stainless steel, non-ferrous metals (aluminum, copper, etc.).



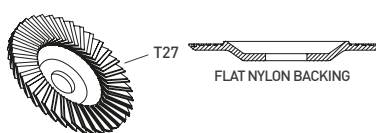
Our tests are carried out with Riflex machines using a 1200W electric tool with a constant pressure of 4 kg on a S235JR (Fe360) steel test specimen with 2.5 min steps.

DISC TYPE

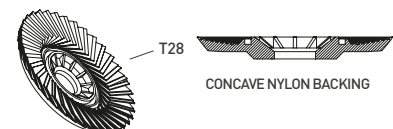
CLASSIC



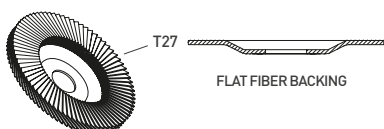
DUAL FLAP



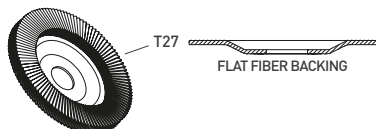
REAL FLAT



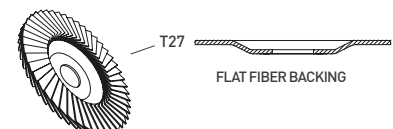
BIGGER



TIGER



RAPTOR





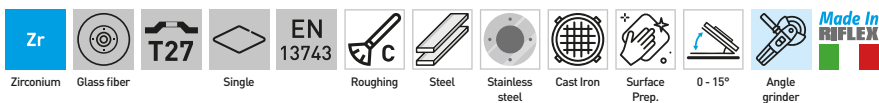
PROFESSIONAL TOP LINE

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

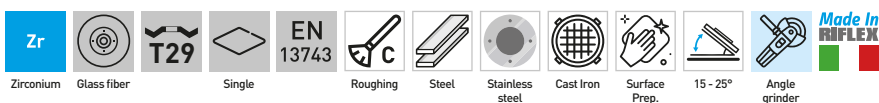


Art.	Dimensions	Grit	rpm max	Pack
DF8100.111	115 x 22 mm	36	13300	10
DF8100.112	115 x 22 mm	40	13300	10
DF8100.114	115 x 22 mm	60	13300	10
DF8100.115	115 x 22 mm	80	13300	10
DF8100.117	115 x 22 mm	120	13300	10
DF8100.121	125 x 22 mm	36	12250	10
DF8100.122	125 x 22 mm	40	12250	10
DF8100.124	125 x 22 mm	60	12250	10
DF8100.125	125 x 22 mm	80	12250	10
DF8100.181	180 x 22 mm	36	8500	10
DF8100.182	180 x 22 mm	40	8500	10
DF8100.184	180 x 22 mm	60	8500	10
DF8100.185	180 x 22 mm	80	8500	10



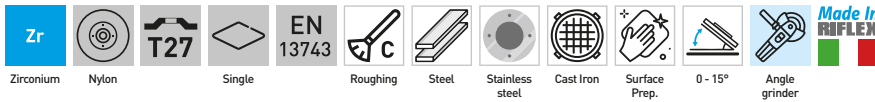
DF8150-Z

PROFESSIONAL FLAP DISC CLASSIC

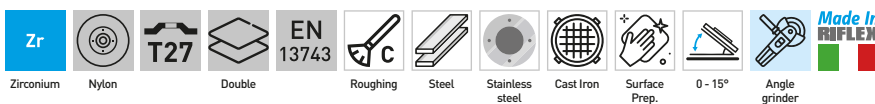


Art.	Dimensions	Grit	rpm max	Pack
DF8150.111	115 x 22 mm	36	13300	10
DF8150.112	115 x 22 mm	40	13300	10
DF8150.114	115 x 22 mm	60	13300	10
DF8150.115	115 x 22 mm	80	13300	10
DF8150.117	115 x 22 mm	120	13300	10
DF8150.121	125 x 22 mm	36	12250	10
DF8150.122	125 x 22 mm	40	12250	10
DF8150.124	125 x 22 mm	60	12250	10
DF8150.125	125 x 22 mm	80	12250	10
DF8150.181	180 x 22 mm	36	8500	10
DF8150.182	180 x 22 mm	40	8500	10
DF8150.184	180 x 22 mm	60	8500	10
DF8150.185	180 x 22 mm	80	8500	10



**DN8100-Z****PROFESSIONAL FLAP DISC CLASSIC**

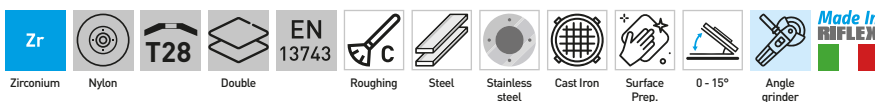
Art.	Dimensions	Grit	rpm max	Pack
DN8100.111	115 x 22 mm	36	13300	10
DN8100.112	115 x 22 mm	40	13300	10
DN8100.114	115 x 22 mm	60	13300	10
DN8100.115	115 x 22 mm	80	13300	10
DN8100.117	115 x 22 mm	120	13300	10
DN8100.122	125 x 22 mm	40	12250	10
DN8100.124	125 x 22 mm	60	12250	10
DN8100.125	125 x 22 mm	80	12250	10
DN8100.182	180 x 22 mm	40	8500	10
DN8100.184	180 x 22 mm	60	8500	10
DN8100.185	180 x 22 mm	80	8500	10

**DN8300-Z****PROFESSIONAL FLAP DISC DUAL FLAP**

Art.	Dimensions	Grit	rpm max	Pack
DN8300.111	115 x 22 mm	36	13300	10
DN8300.112	115 x 22 mm	40	13300	10
DN8300.114	115 x 22 mm	60	13300	10
DN8300.115	115 x 22 mm	80	13300	10
DN8300.117	115 x 22 mm	120	13300	10
DN8300.122	125 x 22 mm	40	12250	10
DN8300.124	125 x 22 mm	60	12250	10
DN8300.125	125 x 22 mm	80	12250	10
DN8300.182	180 x 22 mm	40	8500	10
DN8300.184	180 x 22 mm	60	8500	10
DN8300.185	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.

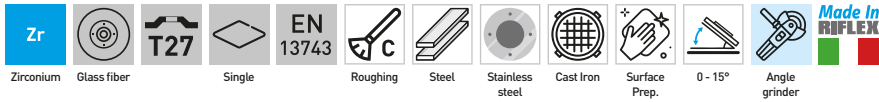


Art.	Dimensions	Grit	rpm max	Pack
DN8550.112	115 x 22 mm	40	13300	10
DN8550.114	115 x 22 mm	60	13300	10
DN8550.115	115 x 22 mm	80	13300	10
DN8550.117	115 x 22 mm	120	13300	10

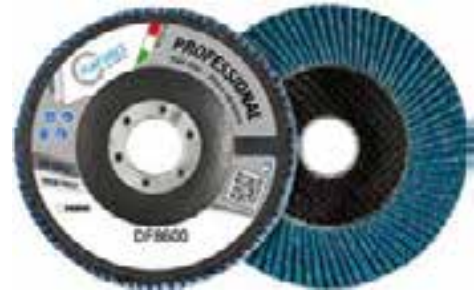


DF8600-Z
PROFESSIONAL FLAP DISC BIGGER

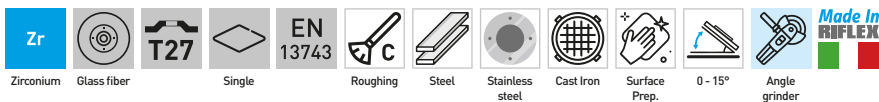
Grind even longer, even faster, and even better finishing with bigger disc. the new structure provides better benefits compared to conventional flap or grinding discs: 50% more abrasion capacity, saving a great deal of working time, 2x longer service life, excellent value for money, cooler grinding, costs and working time reduction



Art.	Dimensions	Grit	rpm max	Pack
DF8600.112	115 x 22 mm	40	13300	10
DF8600.114	115 x 22 mm	60	13300	10
DF8600.115	115 x 22 mm	80	13300	10
DF8600.117	115 x 22 mm	120	13300	10
DF8600.122	125 x 22 mm	40	12250	10
DF8600.124	125 x 22 mm	60	12250	10
DF8600.125	125 x 22 mm	80	12250	10
DF8600.127	125 x 22 mm	120	12250	10
DF8600.182	180 x 22 mm	40	8500	10
DF8600.184	180 x 22 mm	60	8500	10
DF8600.185	180 x 22 mm	80	8500	10
DF8600.187	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.



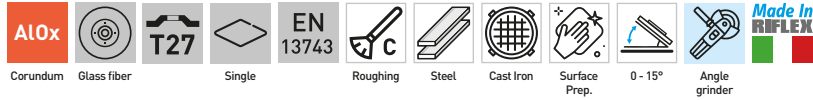
Art.	Dimensions	Grit	rpm max	Pack
DF8700.112	115 x 22 mm	40	13300	10
DF8700.114	115 x 22 mm	60	13300	10
DF8700.115	115 x 22 mm	80	13300	10
DF8700.117	115 x 22 mm	120	13300	10





DF8100-A

PROFESSIONAL FLAP DISC CLASSIC

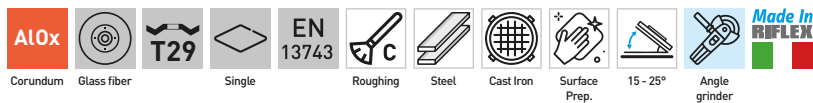


Art.	Dimensions	Grit	rpm max	Pack
DF8100.212	115 x 22 mm	40	13300	10
DF8100.214	115 x 22 mm	60	13300	10
DF8100.215	115 x 22 mm	80	13300	10



DF8150-A

PROFESSIONAL FLAP DISC CLASSIC



Art.	Dimensions	Grit	rpm max	Pack
DF8150.212	115 x 22 mm	40	13300	10
DF8150.214	115 x 22 mm	60	13300	10
DF8150.215	115 x 22 mm	80	13300	10



DN8100-A

PROFESSIONAL FLAP DISC CLASSIC

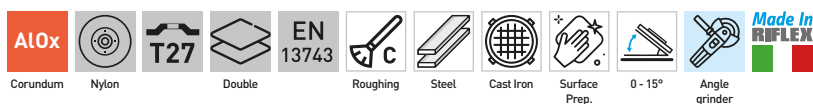


Art.	Dimensions	Grit	rpm max	Pack
DN8100.212	115 x 22 mm	40	13300	10
DN8100.214	115 x 22 mm	60	13300	10
DN8100.215	115 x 22 mm	80	13300	10



DN8300-A

PROFESSIONAL FLAP DISC DUAL FLAP



Art.	Dimensions	Grit	rpm max	Pack
DN8300.212	115 x 22 mm	40	13300	10
DN8300.214	115 x 22 mm	60	13300	10
DN8300.215	115 x 22 mm	80	13300	10



PERFORMANCE

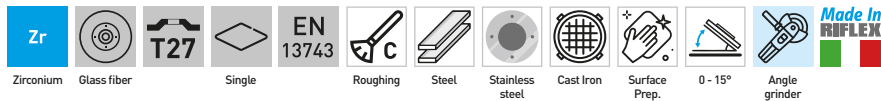
HIGH PERFORMANCE

Wide range of professional flap discs based on aluminum oxide or Zirconium.

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

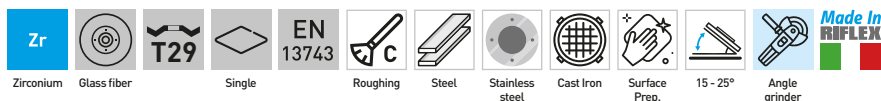


Art.	Dimensions	Grit	rpm max	Pack
DF6100.112	115 x 22 mm	40	13300	10
DF6100.114	115 x 22 mm	60	13300	10
DF6100.115	115 x 22 mm	80	13300	10
DF6100.117	115 x 22 mm	120	13300	10
DF6100.122	125 x 22 mm	40	12250	10
DF6100.124	125 x 22 mm	60	12250	10
DF6100.125	125 x 22 mm	80	12250	10
DF6100.182	180 x 22 mm	40	8500	10
DF6100.184	180 x 22 mm	60	8500	10
DF6100.185	180 x 22 mm	80	8500	10



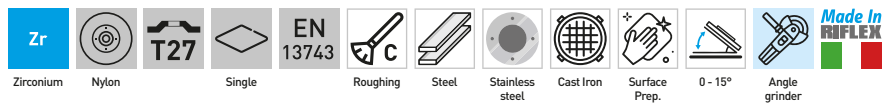
DF6150-Z

PERFORMANCE FLAP DISC CLASSIC

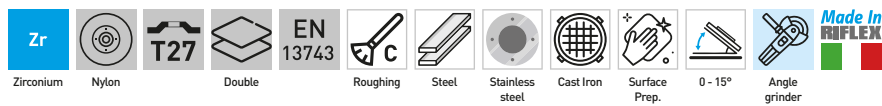


Art.	Dimensions	Grit	rpm max	Pack
DF6150.112	115 x 22 mm	40	13300	10
DF6150.114	115 x 22 mm	60	13300	10
DF6150.115	115 x 22 mm	80	13300	10
DF6150.117	115 x 22 mm	120	13300	10
DF6150.122	125 x 22 mm	40	12250	10
DF6150.124	125 x 22 mm	60	12250	10
DF6150.125	125 x 22 mm	80	12250	10
DF6150.182	180 x 22 mm	40	8500	10
DF6150.184	180 x 22 mm	60	8500	10
DF6150.185	180 x 22 mm	80	8500	10



**DN6100-Z****PERFORMANCE FLAP DISC CLASSIC**

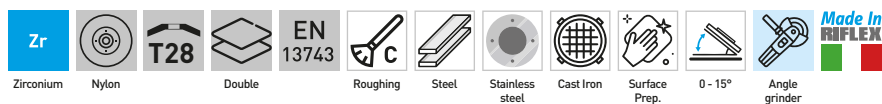
Art.	Dimensions	Grit	rpm max	Pack
DN6100.112	115 x 22 mm	40	13300	10
DN6100.114	115 x 22 mm	60	13300	10
DN6100.115	115 x 22 mm	80	13300	10
DN6100.117	115 x 22 mm	120	13300	10
DN6100.122	125 x 22 mm	40	12250	10
DN6100.124	125 x 22 mm	60	12250	10
DN6100.125	125 x 22 mm	80	12250	10
DN6100.182	180 x 22 mm	40	8500	10
DN6100.184	180 x 22 mm	60	8500	10
DN6100.185	180 x 22 mm	80	8500	10

**DN6300-Z****PERFORMANCE FLAP DISC DUAL FLAP**

Art.	Dimensions	Grit	rpm max	Pack
DN6300.112	115 x 22 mm	40	13300	10
DN6300.114	115 x 22 mm	60	13300	10
DN6300.115	115 x 22 mm	80	13300	10
DN6300.117	115 x 22 mm	120	13300	10
DN6300.122	125 x 22 mm	40	12250	10
DN6300.124	125 x 22 mm	60	12250	10
DN6300.125	125 x 22 mm	80	12250	10
DN6300.182	180 x 22 mm	40	8500	10
DN6300.184	180 x 22 mm	60	8500	10
DN6300.185	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.



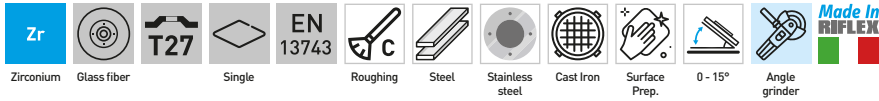
Art.	Dimensions	Grit	rpm max	Pack
DN6550.112	115 x 22 mm	40	13300	10
DN6550.114	115 x 22 mm	60	13300	10
DN6550.115	115 x 22 mm	80	13300	10
DN6550.117	115 x 22 mm	120	13300	10



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.



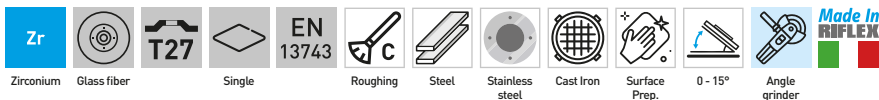
Art.	Dimensions	Grit	rpm max	Pack
DF6600.112	115 x 22 mm	40	13300	10
DF6600.114	115 x 22 mm	60	13300	10
DF6600.115	115 x 22 mm	80	13300	10
DF6600.117	115 x 22 mm	120	13300	10
DF6600.122	125 x 22 mm	40	12250	10
DF6600.124	125 x 22 mm	60	12250	10
DF6600.125	125 x 22 mm	80	12250	10
DF6600.127	125 x 22 mm	120	12250	10
DF6600.182	180 x 22 mm	40	8500	10
DF6600.184	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.



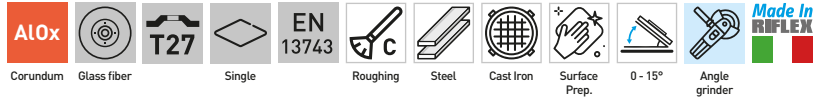
Art.	Dimensions	Grit	rpm max	Pack
DF6700.112	115 x 22 mm	40	13300	10
DF6700.114	115 x 22 mm	60	13300	10
DF6700.115	115 x 22 mm	80	13300	10
DF6700.117	115 x 22 mm	120	13300	10





DF6100-A

PERFORMANCE FLAP DISC CLASSIC

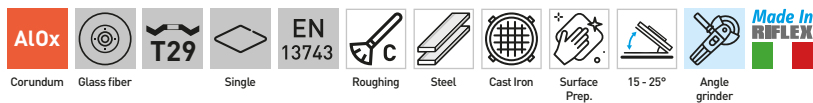


Art.	Dimensions	Grit	rpm max	Pack
DF6100.212	115 x 22 mm	40	13300	10
DF6100.214	115 x 22 mm	60	13300	10
DF6100.215	115 x 22 mm	80	13300	10



DF6150-A

PERFORMANCE FLAP DISC CLASSIC



Art.	Dimensions	Grit	rpm max	Pack
DF6150.212	115 x 22 mm	40	13300	10
DF6150.214	115 x 22 mm	60	13300	10
DF6150.215	115 x 22 mm	80	13300	10



DN6100-A

PERFORMANCE FLAP DISC CLASSIC

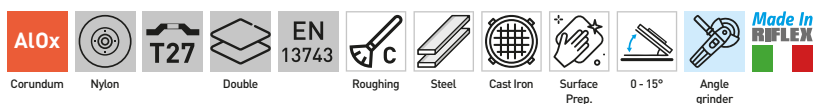


Art.	Dimensions	Grit	rpm max	Pack
DN6100.212	115 x 22 mm	40	13300	10
DN6100.214	115 x 22 mm	60	13300	10
DN6100.215	115 x 22 mm	80	13300	10



DN6300-A

PERFORMANCE FLAP DISC DUAL FLAP



Art.	Dimensions	Grit	rpm max	Pack
DN6300.212	115 x 22 mm	40	13300	10
DN6300.214	115 x 22 mm	60	13300	10
DN6300.215	115 x 22 mm	80	13300	10





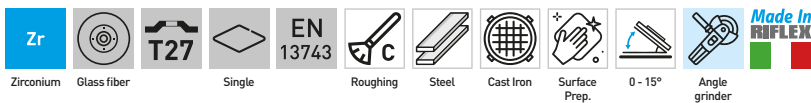
MULTI PURPOSE

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	115 x 22 mm	40	13300	10
DF4100.114	115 x 22 mm	60	13300	10
DF4100.115	115 x 22 mm	80	13300	10
DF4100.117	115 x 22 mm	120	13300	10
DF4100.122	125 x 22 mm	40	12250	10
DF4100.124	125 x 22 mm	60	12250	10
DF4100.125	125 x 22 mm	80	12250	10
DF4100.127	125 x 22 mm	120	12250	10
DF4100.182	180 x 22 mm	40	8500	10
DF4100.184	180 x 22 mm	60	8500	10
DF4100.185	180 x 22 mm	80	8500	10
DF4100.187	180 x 22 mm	120	8500	10



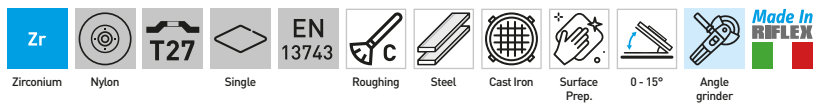
DF4150-Z

GRINDFLEX FLAP DISC CLASSIC

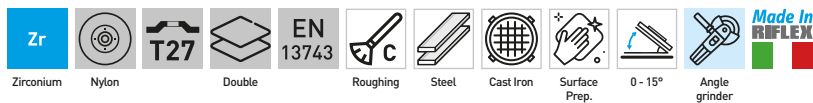


Art.	Dimensions	Grit	rpm max	Pack
DF4150.112	115 x 22 mm	40	13300	10
DF4150.114	115 x 22 mm	60	13300	10
DF4150.115	115 x 22 mm	80	13300	10
DF4150.117	115 x 22 mm	120	13300	10
DF4150.122	125 x 22 mm	40	12250	10
DF4150.124	125 x 22 mm	60	12250	10
DF4150.125	125 x 22 mm	80	12250	10
DF4150.127	125 x 22 mm	120	12250	10
DF4150.182	180 x 22 mm	40	8500	10
DF4150.184	180 x 22 mm	60	8500	10
DF4150.185	180 x 22 mm	80	8500	10
DF4150.187	180 x 22 mm	120	8500	10



**DN4100-Z****GRINDFLEX FLAP DISC CLASSIC**

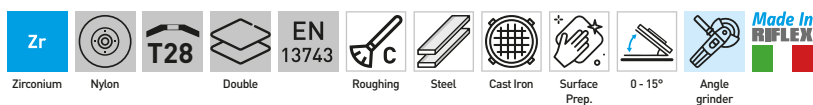
Art.	Dimensions	Grit	rpm max	Pack
DN4100.112	115 x 22 mm	40	13300	10
DN4100.114	115 x 22 mm	60	10500	10
DN4100.115	115 x 22 mm	80	13300	10
DN4100.122	125 x 22 mm	40	12250	10
DN4100.124	125 x 22 mm	60	12250	10

**DN4300-Z****GRINDFLEX FLAP DISC DUAL FLAP**

Art.	Dimensions	Grit	rpm max	Pack
DN4300.112	115 x 22 mm	40	13300	10
DN4300.114	115 x 22 mm	60	13300	10
DN4300.115	115 x 22 mm	80	13300	10
DN4300.117	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.



Art.	Dimensions	Grit	rpm max	Pack
DN4550.112	115 x 22 mm	40	13300	10
DN4550.114	115 x 22 mm	60	13300	10



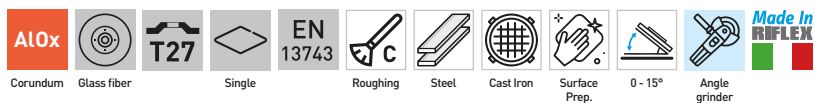
DF4600-Z
GRINDFLEX FLAP DISC BIGGER

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.

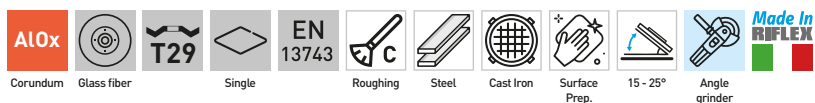
Zirconium	Glass fiber	T27	Single	EN 13743	Roughing	Steel	Cast Iron	Surface Prep.	0 - 15°	Angle grinder	Made In RIFLEX

Art.	Dimensions	Grit	rpm max	Pack
DF4600.112	115 x 22 mm	40	13300	10
DF4600.114	115 x 22 mm	60	13300	10
DF4600.115	115 x 22 mm	80	13300	10
DF4600.117	115 x 22 mm	120	13300	10
DF4600.122	125 x 22 mm	40	12250	10
DF4600.124	125 x 22 mm	60	12250	10
DF4600.182	180 x 22 mm	40	8500	10
DF4600.184	180 x 22 mm	60	8500	10

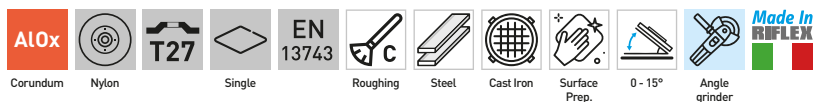


**DF4100-A****GRINDFLEX FLAP DISC CLASSIC**

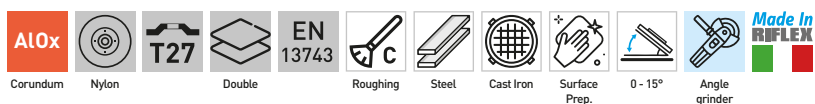
Art.	Dimensions	Grit	rpm max	Pack
DF4100.212	115 x 22 mm	40	13300	10
DF4100.214	115 x 22 mm	60	13300	10
DF4100.215	115 x 22 mm	80	13300	10

**DF4150-A****GRINDFLEX FLAP DISC CLASSIC**

Art.	Dimensions	Grit	rpm max	Pack
DF4150.212	115 x 22 mm	40	13300	10
DF4150.214	115 x 22 mm	60	13300	10
DF4150.215	115 x 22 mm	80	13300	10

**DN4100-A****GRINDFLEX FLAP DISC CLASSIC**

Art.	Dimensions	Grit	rpm max	Pack
DN4100.212	115 x 22 mm	40	13300	10
DN4100.214	115 x 22 mm	60	13300	10

**DN4300-A****GRINDFLEX FLAP DISC DUAL FLAP**

Art.	Dimensions	Grit	rpm max	Pack
DN4300.212	115 x 22 mm	40	13300	10
DN4300.214	115 x 22 mm	60	13300	10
DN4300.215	115 x 22 mm	80	13300	10



SMARTFLEX

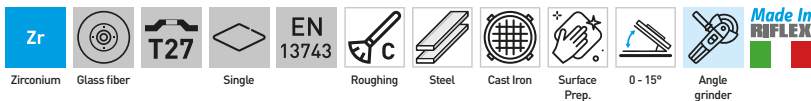
VALUE FOR MONEY

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	115 x 22 mm	40	13300	10
DF2100.114	115 x 22 mm	60	13300	10
DF2100.115	115 x 22 mm	80	13300	10
DF2100.117	115 x 22 mm	120	13300	10
DF2100.122	125 x 22 mm	40	12250	10
DF2100.124	125 x 22 mm	60	12250	10
DF2100.125	125 x 22 mm	80	12250	10
DF2100.127	125 x 22 mm	120	12250	10



DF2150-Z

SMARTFLEX FLAP DISC CLASSIC



Art.	Dimensions	Grit	rpm max	Pack
DF2150.112	115 x 22 mm	40	13300	10
DF2150.114	115 x 22 mm	60	13300	10
DF2150.115	115 x 22 mm	80	13300	10
DF2150.117	115 x 22 mm	120	13300	10
DF2150.122	125 x 22 mm	40	12250	10
DF2150.124	125 x 22 mm	60	12250	10
DF2150.125	125 x 22 mm	80	12250	10
DF2150.127	125 x 22 mm	120	12250	10



DN2100-Z

SMARTFLEX FLAP DISC CLASSIC



Art.	Dimensions	Grit	rpm max	Pack
DN2100.112	115 x 22 mm	40	13300	10
DN2100.114	115 x 22 mm	60	13300	10
DN2100.115	115 x 22 mm	80	13300	10
DN2100.117	115 x 22 mm	120	13300	10
DN2100.122	125 x 22 mm	40	12250	10
DN2100.124	125 x 22 mm	60	12250	10
DN2100.125	125 x 22 mm	80	12250	10
DN2100.127	125 x 22 mm	120	12250	10





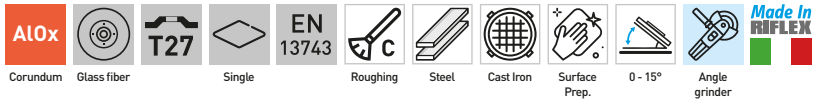
DN2300-Z

SMARTFLEX FLAP DISC DUAL FLAP

Zirconium	Nylon	T27	Double	EN 13743	Roughing	Steel	Cast Iron	Surface Prep.	0 - 15°	Angle grinder	Made In ITALY

Art.	Dimensions	Grit	rpm max	Pack
DN2300.112	115 x 22 mm	40	13300	10
DN2300.114	115 x 22 mm	60	13300	10
DN2300.115	115 x 22 mm	80	13300	10
DN2300.117	115 x 22 mm	120	13300	10
DN2300.122	125 x 22 mm	40	12250	10
DN2300.124	125 x 22 mm	60	12250	10
DN2300.125	125 x 22 mm	80	12250	10
DN2300.127	125 x 22 mm	120	12250	10

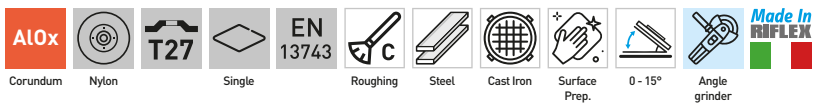


DF2100-A
SMARTFLEX FLAP DISC CLASSIC


Art.	Dimensions	Grit	rpm max	Pack
DF2100.212	115 x 22 mm	40	13300	10
DF2100.214	115 x 22 mm	60	13300	10
DF2100.215	115 x 22 mm	80	13300	10


DF2150-A
SMARTFLEX FLAP DISC CLASSIC


Art.	Dimensions	Grit	rpm max	Pack
DF2150.212	115 x 22 mm	40	13300	10
DF2150.214	115 x 22 mm	60	13300	10
DF2150.215	115 x 22 mm	80	13300	10


DN2100-A
SMARTFLEX FLAP DISC CLASSIC


Art.	Dimensions	Grit	rpm max	Pack
DN2100.212	115 x 22 mm	40	13300	10
DN2100.214	115 x 22 mm	60	13300	10
DN2100.215	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 **Zirconium 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



Art.	Dimensions	Grit	rpm max	Pack
DF9100.312	115 x 22 mm	40+	13300	10
DF9100.314	115 x 22 mm	60	13300	10
DF9100.322	125 x 22 mm	40+	12250	10
DF9100.324	125 x 22 mm	60	12250	10



DF9150-ZC

ZIRCO CER FLAP DISC CLASSIC



Art.	Dimensions	Grit	rpm max	Pack
DF9150.312	115 x 22 mm	40+	13300	10
DF9150.314	115 x 22 mm	60	13300	10
DF9150.322	125 x 22 mm	40+	12250	10
DF9150.324	125 x 22 mm	60	12250	10



DN9100-ZC
ZIRCO CER FLAP DISC CLASSIC

Zirconium	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	115 x 22 mm	40+	13300	10
DN9100.314	115 x 22 mm	60	13300	10
DN9100.322	125 x 22 mm	40+	12250	10
DN9100.324	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

Zirconium	Glass fiber	T27	Single	EN 13743	Roughing	Stainless steel	Surface Prep.	0 - 15°	Angle grinder	Made In ITALY

Art.	Dimensions	Grit	rpm max	Pack
DF9800.312	115 x 22 mm	40	13300	10
DF9800.322	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 with a 1400W powertools and above.

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

CERAMIC FLAP DISC CLASSIC



Art.	Dimensions	Grit	rpm max	Pack
DF9101.312	115 x 22 mm	40	13300	10
DF9101.314	115 x 22 mm	60	13300	10
DF9101.322	125 x 22 mm	40	12250	10
DF9101.324	125 x 22 mm	60	12250	10



DN9101-C

CERAMIC FLAP DISC CLASSIC



Art.	Dimensions	Grit	rpm max	Pack
DN9101.312	115 x 22 mm	40	13300	10
DN9101.314	115 x 22 mm	60	13300	10
DN9101.322	125 x 22 mm	40	12250	10
DN9101.324	125 x 22 mm	60	12250	10



DF9801-C

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	115 x 22 mm	40	13300	10
DF9801.322	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	115 x 22 mm	40	13300	10
DF9103.514	115 x 22 mm	60	13300	10
DF9103.515	115 x 22 mm	80	13300	10
DF9103.517	115 x 22 mm	120	13300	10
DF9103.522	125 x 22 mm	40	12250	10
DF9103.524	125 x 22 mm	60	12250	10
DF9103.525	125 x 22 mm	80	12250	10
DF9103.527	125 x 22 mm	120	12250	10



DF9153-M

SPECIALTY ALU FLAP DISC CLASSIC



Art.	Dimensions	Grit	rpm max	Pack
DF9153.512	115 x 22 mm	40	13300	10
DF9153.514	115 x 22 mm	60	13300	10
DF9153.515	115 x 22 mm	80	13300	10
DF9153.517	115 x 22 mm	120	13300	10
DF9153.522	125 x 22 mm	40	12250	10
DF9153.524	125 x 22 mm	60	12250	10
DF9153.525	125 x 22 mm	80	12250	10
DF9153.527	125 x 22 mm	120	12250	10

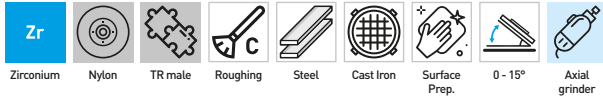




MFDXZ

MINI FLAP DISC

Fast lock. Long life, deburring and blending small areas, grinding edges.



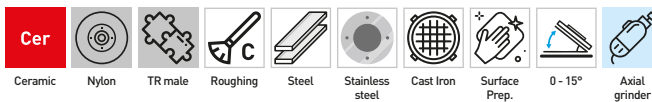
Art.	Diameter ø	Grit	rpm max	Pack
MFD050/040Z	50 mm	40	25000	10
MFD050/060Z	50 mm	60	25000	10
MFD050/080Z	50 mm	80	25000	10
MFD050/120Z	50 mm	120	25000	10
MFD075/040Z	75 mm	40	20000	10
MFD075/060Z	75 mm	60	20000	10
MFD075/080Z	75 mm	80	20000	10
MFD075/120Z	75 mm	120	20000	10



MFDXZC

CERAMIC MINI FLAP DISC

Fast lock. Ceramic abrasive is hard and self sharpening, with faster stock removal and much longer life compared to zirconium. Ideal to work on edges or with heavy pressure.

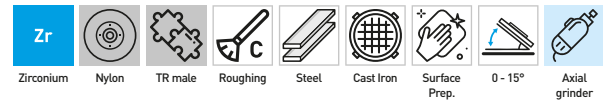


Art.	Diameter ø	Grit	rpm max	Pack
MFD050/040ZC	50 mm	40	25000	10
MFD050/060ZC	50 mm	60	25000	10
MFD050/080ZC	50 mm	80	25000	10

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	50 mm	40	25000	10
MCD050/060Z	50 mm	60	25000	10
MCD050/080Z	50 mm	80	25000	10
MCD050/120Z	50 mm	120	25000	10

SGFX

RUBBER HOLDER

Monobloc, suitable for all types of fast locks.



Art.	Diameter ø	Shank	rpm max
SGF050/06	50 mm	6 mm	30000
SGF075/06	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	50 mm	M14	6 mm	30000
SFF075/M14	75 mm	M14	6 mm	28000

RMTX
MICRO FLAP WHEELS
ADR3/6
**ADAPTER FROM SHAFT 3 MM
TO 6 mm**


Art.	Diameter ø	H	Shank	Grit	rpm max	Pack
RMT1010/060	10 mm	10 mm	3 mm	60	26000	25
RMT1010/080	10 mm	10 mm	3 mm	80	26000	25
RMT1010/120	10 mm	10 mm	3 mm	120	26000	25
RMT1515/060	15 mm	15 mm	3 mm	60	26000	25
RMT1515/080	15 mm	15 mm	3 mm	80	26000	25
RMT1515/120	15 mm	15 mm	3 mm	120	26000	25

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	30 x 20 mm	6 mm	A/O-M	60	10
RGM030/20F	30 x 20 mm	6 mm	A/O-F	100	10
RGM030/20VF	30 x 20 mm	6 mm	A/O-VF	150	10
RGM040/20M	40 x 20 mm	6 mm	A/O-M	60	10
RGM040/20F	40 x 20 mm	6 mm	A/O-F	100	10
RGM040/20VF	40 x 20 mm	6 mm	A/O-VF	150	10
RGM050/30M	50 x 30 mm	6 mm	A/O-M	60	10
RGM050/30F	50 x 30 mm	6 mm	A/O-F	100	10
RGM050/30VF	50 x 30 mm	6 mm	A/O-VF	150	10
RGM060/30M	60 x 30 mm	6 mm	A/O-M	60	10
RGM060/30F	60 x 30 mm	6 mm	A/O-F	100	10
RGM060/30VF	60 x 30 mm	6 mm	A/O-VF	150	10
RGM080/50M	80 x 50 mm	6 mm	A/O-M	60	10
RGM080/50F	80 x 50 mm	6 mm	A/O-F	100	10
RGM080/50VF	80 x 50 mm	6 mm	A/O-VF	150	10

RGTX
ALUMINIUM OXIDE SHAFT-MOUNTED CLOTH WHEELS


Art.	Dimensions	Stem	Grit	rpm max	Pack
RGT2010/40	20 x 10 mm	6 mm	40	26000	10
RGT2010/60	20 x 10 mm	6 mm	60	26000	10
RGT2010/80	20 x 10 mm	6 mm	80	26000	10
RGT2010/120	20 x 10 mm	6 mm	120	26000	10
RGT2015/40	20 x 15 mm	6 mm	40	25000	10
RGT2015/60	20 x 15 mm	6 mm	60	25000	10
RGT2015/80	20 x 15 mm	6 mm	80	25000	10
RGT2015/120	20 x 15 mm	6 mm	120	25000	10
RGT2515/60	25 x 15 mm	6 mm	60	25000	10
RGT2515/80	25 x 15 mm	6 mm	80	25000	10
RGT2515/120	25 x 15 mm	6 mm	120	25000	10
RGT2525/40	25 x 25 mm	6 mm	40	25000	10
RGT2525/60	25 x 25 mm	6 mm	60	25000	10
RGT2525/80	25 x 25 mm	6 mm	80	25000	10
RGT2525/120	25 x 25 mm	6 mm	120	25000	10
RGT3010/40	30 x 10 mm	6 mm	40	25500	10
RGT3010/60	30 x 10 mm	6 mm	60	25500	10
RGT3010/80	30 x 10 mm	6 mm	80	25500	10
RGT3010/120	30 x 10 mm	6 mm	120	25500	10
RGT3015/40	30 x 15 mm	6 mm	40	25500	10
RGT3015/60	30 x 15 mm	6 mm	60	25500	10
RGT3015/80	30 x 15 mm	6 mm	80	25500	10
RGT3015/120	30 x 15 mm	6 mm	120	22900	10
RGT3020/40	30 x 20 mm	6 mm	40	22900	10
RGT3020/60	30 x 20 mm	6 mm	60	22900	10
RGT3020/80	30 x 20 mm	6 mm	80	22900	10
RGT3020/120	30 x 20 mm	6 mm	120	25500	10
RGT4015/40	40 x 15 mm	6 mm	40	19100	10
RGT4015/60	40 x 15 mm	6 mm	60	19100	10
RGT4015/80	40 x 15 mm	6 mm	80	19100	10
RGT4015/120	40 x 15 mm	6 mm	120	19100	10
RGT4020/40	40 x 20 mm	6 mm	40	19100	10
RGT4020/60	40 x 20 mm	6 mm	60	19100	10
RGT4020/80	40 x 20 mm	6 mm	80	19100	10
RGT4020/120	40 x 20 mm	6 mm	120	19100	10
RGT4030/40	40 x 30 mm	6 mm	40	17100	10
RGT4030/60	40 x 30 mm	6 mm	60	17100	10
RGT4030/80	40 x 30 mm	6 mm	80	17100	10
RGT4030/120	40 x 30 mm	6 mm	120	17100	10
RGT5020/40	50 x 20 mm	6 mm	40	15300	10
RGT5020/60	50 x 20 mm	6 mm	60	15300	10
RGT5020/80	50 x 20 mm	6 mm	80	15300	10
RGT5020/120	50 x 20 mm	6 mm	120	15300	10
RGT5030/40	50 x 30 mm	6 mm	40	15300	10
RGT5030/60	50 x 30 mm	6 mm	60	15300	10
RGT5030/80	50 x 30 mm	6 mm	80	15300	10
RGT5030/120	50 x 30 mm	6 mm	120	15300	10
RGT6020/40	60 x 20 mm	6 mm	40	12700	10
RGT6020/60	60 x 20 mm	6 mm	60	12700	10
RGT6020/80	60 x 20 mm	6 mm	80	12700	10
RGT6020/120	60 x 20 mm	6 mm	120	12700	10
RGT6030/40	60 x 30 mm	6 mm	40	12700	10
RGT6030/60	60 x 30 mm	6 mm	60	12700	10
RGT6030/80	60 x 30 mm	6 mm	80	12700	10
RGT6030/120	60 x 30 mm	6 mm	120	12700	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	165 x 25 x 54 mm	40	5200
RFT165/25060	165 x 25 x 54 mm	60	5200
RFT165/25080	165 x 25 x 54 mm	80	5200
RFT165/25120	165 x 25 x 54 mm	120	5200
RFT165/25220	165 x 25 x 54 mm	220	5200
RFT165/30040	165 x 30 x 54 mm	40	5200
RFT165/30060	165 x 30 x 54 mm	60	5200
RFT165/30080	165 x 30 x 54 mm	80	5200
RFT165/30120	165 x 30 x 54 mm	120	5200
RFT165/30220	165 x 30 x 54 mm	220	5200
RFT165/50040	165 x 50 x 54 mm	40	5200
RFT165/50060	165 x 50 x 54 mm	60	5200
RFT165/50080	165 x 50 x 54 mm	80	5200
RFT165/50120	165 x 50 x 54 mm	120	5200
RFT165/50220	165 x 50 x 54 mm	220	5200
RFT165/50040A	165 x 50 x 25 mm	40	5200
RFT165/50060A	165 x 50 x 25 mm	60	5200
RFT165/50080A	165 x 50 x 25 mm	80	5200
RFT165/50120A	165 x 50 x 25 mm	120	5200
RFT165/50220A	165 x 50 x 25 mm	220	5200
RFT200/50040	200 x 50 x 54 mm	40	3800
RFT200/50060	200 x 50 x 54 mm	60	3800
RFT200/50080	200 x 50 x 54 mm	80	3800
RFT200/50120	200 x 50 x 54 mm	120	3800
RFT250/50040	250 x 50 x 100 mm	40	3400
RFT250/50060	250 x 50 x 100 mm	60	3400
RFT250/50080	250 x 50 x 100 mm	80	3400
RFT250/50120	250 x 50 x 100 mm	120	3400

FRFX

PAIR OF FLANGES



Art.	Size	Hole
FRF54/20	54 mm	20 mm
FRF54/25	54 mm	25 mm

RGPX

NONWOVEN WHEELS WITH SHAFT

Flaps arranged radially.

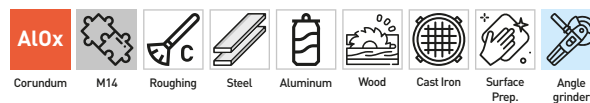


Art.	Dimensions	Shank	Grit	Pack
RGPO30/20C	30 x 20 mm	6 mm	COARSE	10
RGPO30/20M	30 x 20 mm	6 mm	MEDIUM	10
RGPO30/20F	30 x 20 mm	6 mm	FINE	10
RGPO30/20VF	30 x 20 mm	6 mm	VERY FINE	10
RGPO40/20C	40 x 20 mm	6 mm	COARSE	10
RGPO40/20M	40 x 20 mm	6 mm	MEDIUM	10
RGPO40/20F	40 x 20 mm	6 mm	FINE	10
RGPO40/20VF	40 x 20 mm	6 mm	VERY FINE	10
RGPO50/30C	50 x 30 mm	6 mm	COARSE	10
RGPO50/30M	50 x 30 mm	6 mm	MEDIUM	10
RGPO50/30F	50 x 30 mm	6 mm	FINE	10
RGPO50/30VF	50 x 30 mm	6 mm	VERY FINE	10
RGPO60/30C	60 x 30 mm	6 mm	COARSE	10
RGPO60/30M	60 x 30 mm	6 mm	MEDIUM	10
RGPO60/30F	60 x 30 mm	6 mm	FINE	10
RGPO60/30VF	60 x 30 mm	6 mm	VERY FINE	10
RGPO80/50C	80 x 50 mm	6 mm	COARSE	10
RGPO80/50M	80 x 50 mm	6 mm	MEDIUM	10
RGPO80/50F	80 x 50 mm	6 mm	FINE	10
RGPO80/50VF	80 x 50 mm	6 mm	VERY FINE	10

RLFX

THREADED BORE FLAP WHEEL

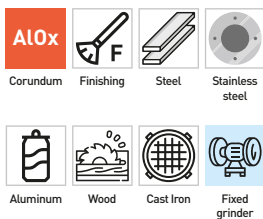
Suited for angle grinders with M14 thread. remove light weld seams on round and irregular metal surfaces.



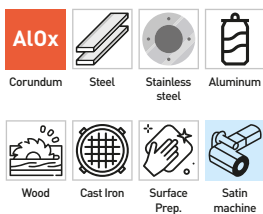
Art.	Size	Thread	Grit	rpm max
RLF115/040	Ø 115 x 20 mm	M14	40	9000
RLF115/060	Ø 115 x 20 mm	M14	60	9000
RLF115/080	Ø 115 x 20 mm	M14	80	9000
RLF115/120	Ø 115 x 20 mm	M14	120	9000
RLF125/040	Ø 115 x 20 mm	M14	40	9000
RLF125/060	Ø 125 X 20 mm	M14	60	9000
RLF125/080	Ø 125 X 20 mm	M14	80	9000
RLF125/120	Ø 125 X 20 mm	M14	120	9000

RFPX
NONWOVEN WHEELS WITH BORE

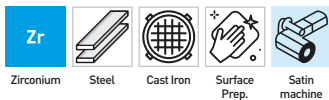
Made of nonwoven, flaps radially arranged.



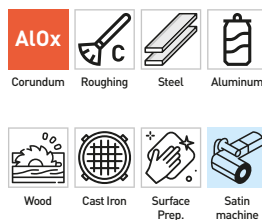
Art.	Dimensions	Grit
RFP165/50M	165 x 50 x 65 mm	Medium
RFP165/50F	165 x 50 x 65 mm	Fine
RFP165/50VF	165 x 50 x 65 mm	Very Fine
RFP200/50M	200 x 50 x 110 mm	Medium
RFP200/50F	200 x 50 x 110 mm	Fine
RFP200/50VF	200 x 50 x 110 mm	Very Fine

RLMX
MIXED NONWOVEN WHEELS


Art.	Dimensions	Cloth	Grit	Hole diameter
RLM100/060C	100 x 100 mm	A/C	60	19 mm
RLM100/080M	100 x 100 mm	A/M	80	19 mm
RLM100/150F	100 x 100 mm	A/F	150	19 mm

NAS100X-Z
ZIRCONIUM CLOTH BELTS


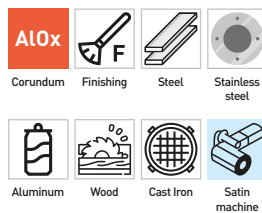
Art.	Dimensions	Grit
NAS100/040Z	90 x 100 mm	40
NAS100/060Z	90 x 100 mm	60
NAS100/080Z	90 x 100 mm	80
NAS100/120Z	90 x 100 mm	120

RLTX
ABRASIVE CLOTH WHEELS


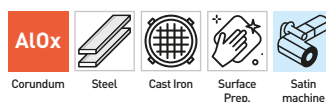
Art.	Dimensions	Grit	Hole diameter
RLT050/040	100 x 50 mm	40	19 mm
RLT050/060	100 x 50 mm	60	19 mm
RLT050/080	100 x 50 mm	80	19 mm
RLT050/120	100 x 50 mm	120	19 mm
RLT100/040	100 x 100 mm	40	19 mm
RLT100/060	100 x 100 mm	60	19 mm
RLT100/080	100 x 100 mm	80	19 mm
RLT100/120	100 x 100 mm	120	19 mm

RLPX
NONWOVEN WHEELS

Diversified color according to the grit.



Art.	Dimensions	Grit	Hole diameter
RLP100/C	100 x 100 mm	A/O-C	19 mm
RLP100/M	100 x 100 mm	A/O-M	19 mm
RLP100/F	100 x 100 mm	A/O-F	19 mm
RLP100/VF	100 x 100 mm	A/O-VF	19 mm

NAS100X-A
ALUMINIUM OXIDE CLOTH BELTS


Art.	Dimensions	Grit
NAS100/180A	90 x 100 mm	180
NAS100/240A	90 x 100 mm	240



NAS100X-C

CERAMIC BELTS



Art.	Dimensions	Grit
NAS100/040C	90 x 100 mm	40
NAS100/060C	90 x 100 mm	60
NAS100/080C	90 x 100 mm	80
NAS100/120C	90 x 100 mm	120

SCSX

SURFACE CONDITIONING BELTS



Art.	Dimensions	Grit
SCS100/C	90 x 100 mm	Coarse
SCS100/M	90 x 100 mm	Medium
SCS100/VF	90 x 100 mm	Very fine

ERW100

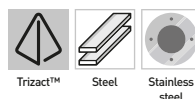
CENTRIFUGAL EXPANDING WHEEL



Dimensions	90 x 100 mm
Hole	19.1 mm
rpm max	6000

NAT100X

TRIZACT BELTS



Art.	Dimensions	Grit
NAT100/A006	90 x 100 mm	A6
NAT100/A016	90 x 100 mm	A16
NAT100/A030	90 x 100 mm	A30
NAT100/A045	90 x 100 mm	A45
NAT100/A065	90 x 100 mm	A65
NAT100/A100	90 x 100 mm	A100
NAT100/A160	90 x 100 mm	A160

RPW090

RUBBER PNEUMATIC WHEEL

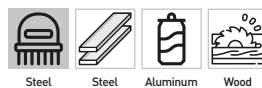


Dimensions	90 x 90 mm
Hole	19.1 mm
rpm max	6000

SWS100

BRASS STEEL WIRE WHEELS

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

BRASS STEEL WIRE WHEELS

Suitable for Makita machines, for deburring, stripping, removing rust and calamine and rustivating wood



Steel	Steel	Aluminum	Wood
Cast Iron	Deburring	Surface Prep.	Satin machine

Dimensions	100 x 100 mm
Hole	13 mm
Wire	0.3 mm
rpm max	6800

NWS100

ABRASIVE NYLON WIRE WHEELS

For cleaning metals and rustivating wood.



Abrasive nylon	Steel	Stainless steel	Aluminum
Wood	Cast Iron	Surface Prep.	Satin machine

Dimensions	100 x 100 mm
Hole	19.1 mm
Grit	80
rpm max	6800

NWS100/M

ABRASIVE NYLON WIRE WHEELS

Suitable for Makita machines, for cleaning metals and rustivating wood.

Abrasive nylon	Steel	Stainless steel	Aluminum	Cast Iron	Surface Prep.	Satin machine

Dimensions	100 x 100 mm
Hole	13 mm
Grit	80
rpm max	6800

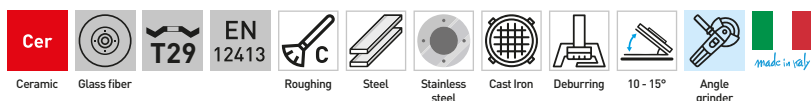




FDCX

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.

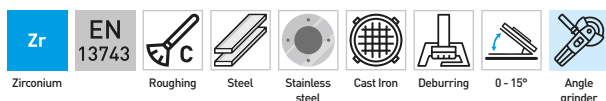


Art.	Dimensions	Hardness	rpm max	Pack
FDC115/036	115x22,23 mm	SG 36	13300	25
FDC115/060	115x22,23 mm	SG 60	13300	25
FDC115/120	115x22,23 mm	SG 120	13300	25
FDC125/036	125x22,23 mm	SG 36	12250	25

DFVX-XZ

ADHESIVE 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	115 x 22 mm	36	13300	25
DFV115/040Z	115 x 22 mm	40	13300	25
DFV115/060Z	115 x 22 mm	60	13300	25
DFV115/080Z	115 x 22 mm	80	13300	25
DFV115/120Z	115 x 22 mm	120	13300	25
DFV180/036Z	180 x 22 mm	36	8600	25
DFV180/040Z	180 x 22 mm	40	8600	25
DFV180/060Z	180 x 22 mm	60	8600	25
DFV180/080Z	180 x 22 mm	80	8600	25
DFV180/120Z	180 x 22 mm	120	8600	25

DFVX-XA

ADHESIVE VULCANISED FIBRE DISCS

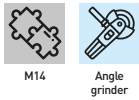
Fiber discs are constituted by a vulcanised cellulose fiber support of 0,8 mm thickness. Various types of abrasive are deposited on it. These are fastened with a double layer of thermosetting resin added with active fillers which give the products cooling and anti-clogging properties. Applied to a backing pad as support, the discs are used on portable sander.



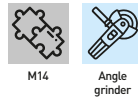
Art.	Dimensions	Grit	rpm max	Pack
DFV115/024A	115 x 22 mm	24	13300	25
DFV115/036A	115 x 22 mm	36	13300	25
DFV115/060A	115 x 22 mm	60	13300	25
DFV115/080A	115 x 22 mm	80	13300	25
DFV115/120A	115 x 22 mm	120	13300	25
DFV180/024A	180 x 22 mm	24	8600	25
DFV180/036A	180 x 22 mm	36	8600	25
DFV180/060A	180 x 22 mm	60	8600	25
DFV180/080A	180 x 22 mm	80	8600	25

PFBX
BACKING PADS

Standard backing pad for fibre discs, professional, hard.



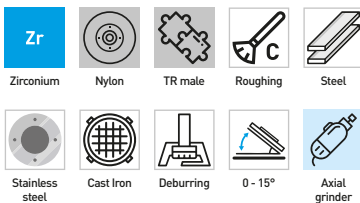
Art.	Diameter ø	Thread	rpm max
PFB115	115 mm	M14	13300
PFB180	180 mm	M14	8500

PFSX
BACKING PADS


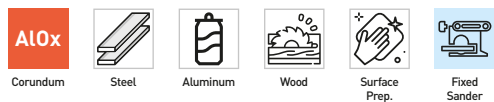
Art.	Diameter ø	Thread	rpm max
PFS115	115 mm	M14	13300
PFS180	180 mm	M14	8500

MDAXZT
FAST LOCK ZIRCONIUM TOP SIZE

Fast lock. Long life, deburring and blending small areas, grinding edges.



Art.	Diameter ø	Grit	rpm max	Pack
MDA050/036ZT	50 mm	36	25000	25
MDA050/060ZT	50 mm	60	25000	25
MDA050/080ZT	50 mm	80	25000	25
MDA050/120ZT	50 mm	120	25000	25
MDA075/036ZT	75 mm	36	20000	25
MDA075/060ZT	75 mm	60	20000	25
MDA075/080ZT	75 mm	80	20000	25
MDA075/120ZT	75 mm	120	20000	25

D17X
ADHESIVE ABRASIVE DISCS


Art.	Sizes	Grit	Pack
D174	150 mm	60	10
D175	150 mm	100	10
D178/060	200 mm	60	10
D178/100	200 mm	100	10
D176	226 mm	60	10
D177	226 mm	100	10

VDAX

NEW

VELCRO DISCS

Corundum resin coated on heavy paper (weight F), closed coat.



Art.	Diameter ø	Holes	Grit	Pack
VDA115/040	115 mm	-	40	50
VDA115/060	115 mm	-	60	100
VDA115/080	115 mm	-	80	100
VDA115/100	115 mm	-	100	100
VDA115/120	115 mm	-	120	100
VDA115/180	115 mm	-	180	100
VDA115/220	115 mm	-	220	100
VDA125/40F8	125 mm	8	40	50
VDA125/60F8	125 mm	8	60	100
VDA125/80F8	125 mm	8	80	100
VDA125/100F8	125 mm	8	100	100
VDA125/120F8	125 mm	8	120	100
VDA125/180F8	125 mm	8	180	100
VDA125/220F8	125 mm	8	220	100
VDA150/040	150 mm	-	40	50
VDA150/060	150 mm	-	60	100
VDA150/080	150 mm	-	80	100
VDA150/100	150 mm	-	100	100
VDA150/120	150 mm	-	120	100
VDA150/180	150 mm	-	180	100
VDA150/220	150 mm	-	220	100
VDA150/040F6	150 mm	6	40	50
VDA150/060F6	150 mm	6	60	100
VDA150/080F6	150 mm	6	80	100
VDA150/100F6	150 mm	6	100	100
VDA150/120F6	150 mm	6	120	100
VDA150/180F6	150 mm	6	180	100
VDA150/220F6	150 mm	6	220	100
VDA150/040F8	150 mm	8	40	10
VDA150/060F8	150 mm	8	60	10
VDA150/080F8	150 mm	8	80	10
VDA150/100F8	150 mm	8	100	10
VDA150/120F8	150 mm	8	120	10
VDA150/180F8	150 mm	8	180	10
VDA150/220F8	150 mm	8	220	10

VDGX

VELCRO DISCS "GOLD"

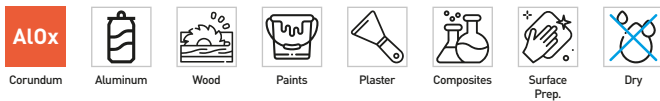
Double resin corundum stearate on light paper (weight C), semi-open coating. The addition of zinc stearate prevents clogging.



Art.	Diameter	Grit	Holes	Pack
VDG150/060	ø 150 mm	60	-	100
VDG150/080	ø 150 mm	80	-	100
VDG150/120	ø 150 mm	120	-	100
VDG150/150	ø 150 mm	150	-	100
VDG150/180	ø 150 mm	180	-	100
VDG150/220	ø 150 mm	220	-	100
VDG150/320	ø 150 mm	320	-	100
VDG150/400	ø 150 mm	400	-	100
VDG150/600	ø 150 mm	600	-	100
VDG150/800	ø 150 mm	800	-	100
VDG150/060F6	ø 150 mm	60	6	100
VDG150/080F6	ø 150 mm	80	6	100
VDG150/120F6	ø 150 mm	120	6	100
VDG150/150F6	ø 150 mm	150	6	100
VDG150/180F6	ø 150 mm	180	6	100
VDG150/220F6	ø 150 mm	220	6	100
VDG150/320F6	ø 150 mm	320	6	100
VDG150/400F6	ø 150 mm	400	6	100
VDG150/600F6	ø 150 mm	600	6	100
VDG150/800F6	ø 150 mm	800	6	100
VDG150/060F8	ø 150 mm	60	8	100
VDG150/080F8	ø 150 mm	80	8	100
VDG150/120F8	ø 150 mm	120	8	100
VDG150/150F8	ø 150 mm	150	8	100
VDG150/180F8	ø 150 mm	180	8	100
VDG150/220F8	ø 150 mm	220	8	100
VDG150/320F8	ø 150 mm	320	8	100
VDG150/400F8	ø 150 mm	400	8	100
VDG150/600F8	ø 150 mm	600	8	100
VDG150/800F8	ø 150 mm	800	8	100

ZSAX
VELCRO DISCS

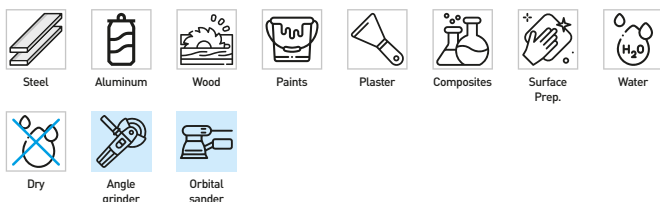
Double resin corundum stearate on light paper (C weight), closed coat. The addition of zinc stearate prevents clogging.



Art.	Diameter ø	Holes	Grit	Pack
ZSA150/080	150 mm	-	80	100
ZSA150/120	150 mm	-	120	100
ZSA150/180	150 mm	-	180	100
ZSA150/240	150 mm	-	240	100
ZSA150/320	150 mm	-	320	100
ZSA150/400	150 mm	-	400	100
ZSA150/80F6	150 mm	6	80	100
ZSA150/120F6	150 mm	6	120	100
ZSA150/180F6	150 mm	6	180	100
ZSA150/240F6	150 mm	6	240	100
ZSA150/320F6	150 mm	6	320	100
ZSA150/400F6	150 mm	6	400	100

VDRX
VELCRO SANDING SCREEN

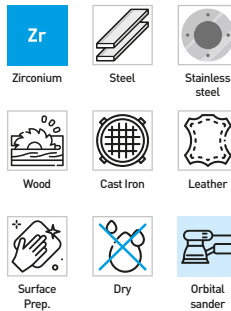
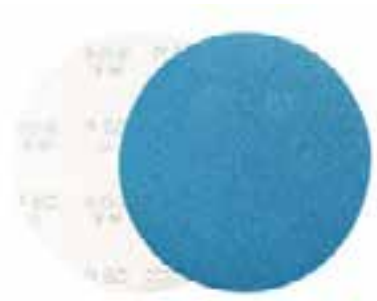
Support made of mesh allows you to vacuum up to 90% of the dust generated by abrasion, resists heat making them usable even with angle grinders, usable dry and wet. Longer service life and healthier working environment thanks to the suction of residues.



Art.	Diameter ø	Grit	Pack
VDR150/080	150 mm	80	50
VDR150/120	150 mm	120	50
VDR150/180	150 mm	180	50
VDR150/240	150 mm	240	50
VDR150/320	150 mm	320	50
VDR150/400	150 mm	400	50
VDR150/600	150 mm	600	50

VDZX
NEW
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	115 mm	40	50
VDZ115/060	115 mm	60	100
VDZ115/080	115 mm	80	100
VDZ115/120	115 mm	120	100
VDZ125/040	125 mm	40	100
VDZ125/060	125 mm	60	100
VDZ125/080	125 mm	80	100
VDZ125/120	125 mm	120	100
VDZ150/040	150 mm	40	50
VDZ150/060	150 mm	60	100
VDZ150/080	150 mm	80	100
VDZ150/120	150 mm	120	100
VDZ150/040F8	150 mm	40	10
VDZ150/060F8	150 mm	60	10
VDZ150/080F8	150 mm	80	10
VDZ150/100F8	150 mm	100	10
VDZ150/120F8	150 mm	120	10

PDBX
BACKING PADS WITHOUT FOAM

For velcro discs.



Art.	Diameter ø	Thread	rpm max
PDB115/M14	115 mm	M14	13300
PDB125/M14	125 mm	M14	12200
PDB150/M14	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	115 mm	12 mm	M14	13300
PDM125/12M14	125 mm	12 mm	M14	12200
PDM150/12M14	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	125 mm	18 mm	M14	6800
PME150/12M14	150 mm	12 mm	M14	10000

PPSX

POLYURETHANE BACKING PADS

For velcro discs, soft version.



Art.	Diameter ø	Thickness	Thread	rpm max
PPS125/27M14	125 mm	27 mm	M14	8000
PPS150/29M14	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	115 mm	M14
PDV125/M14	125 mm	M14
PDV150/M14	150 mm	M14

0459

HOOK AND LOOP PAD

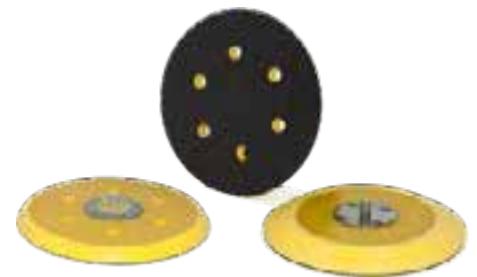
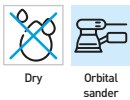
With 6 holes and 5/16"-24tpi male thread.



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	125 mm	10 mm	5/16" mm	8	12000
PFL150/10	150 mm	10 mm	5/16" mm	-	10000
PFL150/10F6	150 mm	10 mm	5/16" mm	6	10000

TEV120

BLOCK FOR VELCRO DISCS

Ergonomic shape, quick change of the abrasive sheet.



Size	70 x 120 mm
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TDV

BLOCK FOR VELCRO DISCS

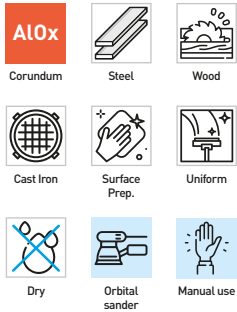
Allows you to use velcro discs by hand.



Size	150 mm
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RASX
ANTI WASTE ROLLS

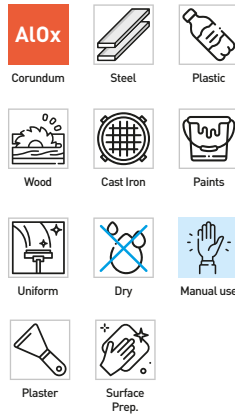
Extra flexible double resin canvas. Specific for turning, molds, weapons and for all processes that require a highly flexible and long-lasting canvas



Art.	Dimensions	Grit
RAS40	50 mm x 25 m	40
RAS60	50 mm x 25 m	60
RAS80	50 mm x 25 m	80
RAS120	50 mm x 25 m	120
RAS180	50 mm x 25 m	180
RAS220	50 mm x 25 m	220
RAS320	50 mm x 25 m	320
RAS400	50 mm x 25 m	400

RSSX
ANTI-WASTE SPONGE ROLLS

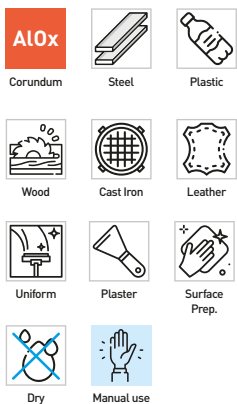
Corundum self-lubricating [C weight] paper coupled with sponge.



Art.	Dimensions	Grit
RSS150	115 mm x 25 m	150
RSS180	115 mm x 25 m	180
RSS240	115 mm x 25 m	240
RSS320	115 mm x 25 m	320
RSS400	115 mm x 25 m	400
RSS500	115 mm x 25 m	500
RSS600	115 mm x 25 m	600
RSS800	115 mm x 25 m	800
RSS1000	115 mm x 25 m	1000

RSRX
VELCRO PAPER ROLLS

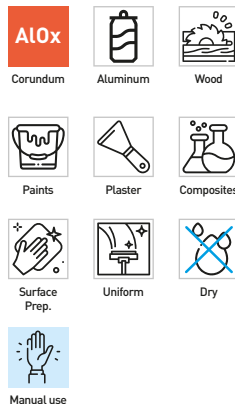
Antistatic corundum paper, semi-open coating, E weight. Dry use, suitable for working wood, leather, Plaster and metal.



Art.	Dimensions	Grit
RSR115/050/040	115 x 25 m	40
RSR115/050/060	115 x 25 m	60
RSR115/050/080	115 x 25 m	80
RSR115/050/120	115 x 25 m	120

RSAX
LUBRICANT VELCRO PAPER ROLLS

Corundum stearate on light paper [C weight], semi-open coating, dry use.



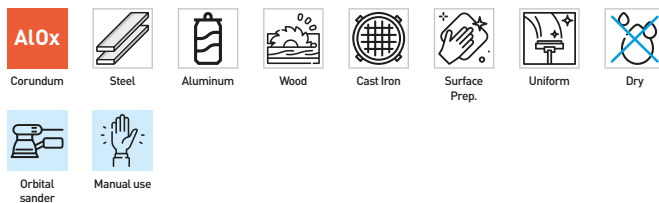
Art.	Dimensions	Grit
RSA115/25/080	115 mm x 25 m	80
RSA115/25/120	115 mm x 25 m	120
RSA115/25/150	115 mm x 25 m	150
RSA115/25/180	115 mm x 25 m	180
RSA115/25/220	115 mm x 25 m	220
RSA115/25/320	115 mm x 25 m	320



FTRX

FLEXIBLE CLOTH

Flexible canvas with cotton backing.

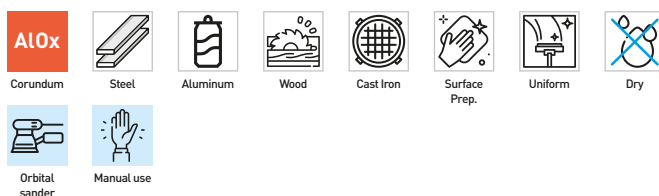


Art.	Dimensions	Grit	Pack
FTR230/040	230 x 280 mm	40	50
FTR230/060	230 x 280 mm	60	50
FTR230/080	230 x 280 mm	80	50
FTR230/120	230 x 280 mm	120	50
FTR230/180	230 x 280 mm	180	50
FTR230/220	230 x 280 mm	220	50
FTR230/320	230 x 280 mm	320	50
FTR230/400	230 x 280 mm	400	50
FTR230/600	230 x 280 mm	600	50

RTFX

RESIN CLOTH ROLLS

Very flexible and resistant. Suitable for working both flat and shaped surfaces.



Art.	Dimensions	Grit	Pack
RTF120/005/060	115 mm x 5 m	60	10
RTF120/005/080	115 mm x 5 m	80	10
RTF120/005/100	115 mm x 5 m	100	10
RTF120/005/120	115 mm x 5 m	120	10
RTF120/050/040	115 mm x 50 m	40	10
RTF120/050/060	115 mm x 50 m	60	10
RTF120/050/080	115 mm x 50 m	80	10
RTF120/050/100	115 mm x 50 m	100	10
RTF120/050/120	115 mm x 50 m	120	10

CARX

NEW

RECTANGULAR ABRASIVE PAPER



Art.	Dimensions	Holes	Grit	Pack
CAR115280/060	280 x 115 mm	14	60	10
CAR115280/080	280 x 115 mm	14	80	10
CAR115280/120	280 x 115 mm	14	120	10

RCLX

LATEX WATERPROOF ROLLS

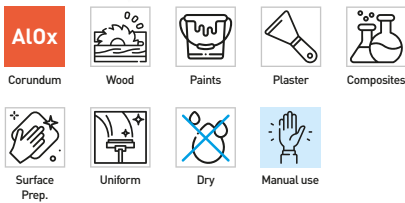
For wet and dry sanding, usually used in polishing and sanding metal moulds, carbon fiber workpieces, fiber glass, composite materials, and precision instruments.



Art.	Dimensions	Grit
RCL115/100/120	115 mm x 100 m	120
RCL115/100/150	115 mm x 100 m	150
RCL115/100/180	115 mm x 100 m	180

RCSX
STEARATE ROLLS

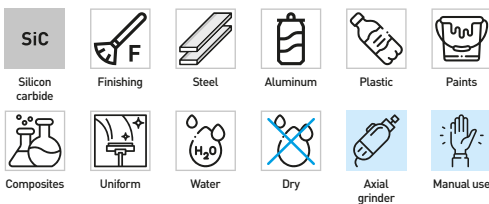
Stearate rolls, prevent clogging and static, flexible and high wear resistant, ideal for paint sanding. The addition of zinc stearate prevents clogging.



Art.	Dimensions	Grit
RCS115/050/150	115 mm x 50 m	150
RCS115/050/180	115 mm x 50 m	180
RCS115/050/240	115 mm x 50 m	240
RCS115/050/320	115 mm x 50 m	320
RCS115/050/400	115 mm x 50 m	400
RCS115/050/600	115 mm x 50 m	600

FLIX
LATEX WATERPROOF SHEETS

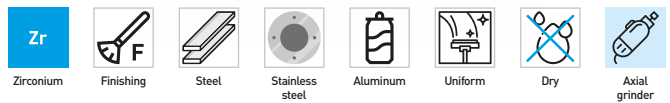
Wet and dry sanding, usually used in polishing and sanding paints, precision instrument, metal, composite materials, automobile production and repair, electron.



Art.	Dimensions	Grit	Pack
FLI230/240	230 x 280 mm	240	100
FLI230/320	230 x 280 mm	320	100
FLI230/400	230 x 280 mm	400	100
FLI230/600	230 x 280 mm	600	100
FLI230/800	230 x 280 mm	800	100
FLI230/1000	230 x 280 mm	1000	100
FLI230/1200	230 x 280 mm	1200	100

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.



Art.	Dimensions	Grit	rpm max	Pack
SPI1020/040Z	10 x 20 mm	40	36000	100
SPI1020/060Z	10 x 20 mm	60	36000	100
SPI1020/080Z	10 x 20 mm	80	36000	100
SPI1020/120Z	10 x 20 mm	120	36000	100
SPI1530/040Z	15 x 30 mm	40	26000	100
SPI1530/060Z	15 x 30 mm	60	26000	100
SPI1530/080Z	15 x 30 mm	80	26000	100
SPI1530/120Z	15 x 30 mm	120	26000	100
SPI2030/040Z	20 x 30 mm	40	18000	100
SPI2030/060Z	20 x 30 mm	60	18000	100
SPI2030/080Z	20 x 30 mm	80	18000	100
SPI2030/120Z	20 x 30 mm	120	18000	100
SPI2220/040Z	22 x 20 mm	40	17000	100
SPI2220/060Z	22 x 20 mm	60	17000	100
SPI2220/080Z	22 x 20 mm	80	17000	100
SPI2220/120Z	22 x 20 mm	120	17000	100
SPI2525/040Z	25 x 25 mm	40	15000	100
SPI2525/060Z	25 x 25 mm	60	15000	100
SPI2525/080Z	25 x 25 mm	80	15000	100
SPI2525/120Z	25 x 25 mm	120	15000	100
SPI3030/040Z	30 x 30 mm	40	13000	100
SPI3030/060Z	30 x 30 mm	60	13000	100
SPI3030/080Z	30 x 30 mm	80	13000	100
SPI3030/120Z	30 x 30 mm	120	13000	100
SPI4530/040Z	45 x 30 mm	40	8500	100
SPI4530/060Z	45 x 30 mm	60	8500	100
SPI4530/080Z	45 x 30 mm	80	8500	100
SPI4530/120Z	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	10 x 20 mm	6 mm	36000
SGC1530	15 x 30 mm	6 mm	26000
SGC2030	20 x 30 mm	6 mm	18000
SGC2220	22 x 20 mm	6 mm	17000
SGC2525	25 x 25 mm	6 mm	15000
SGC3030	30 x 30 mm	6 mm	13300
SGC4530	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.



Art.	Dimensions	Grit	Shape	Pack
CRD1038/060T	10 x 38 mm	60	Conical	50
CRD1038/080T	10 x 38 mm	80	Conical	50
CRD1038/120T	10 x 38 mm	120	Conical	50
CRD1238/060T	12 x 38 mm	60	Conical	50
CRD1238/080T	12 x 38 mm	80	Conical	50
CRD1238/120T	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.



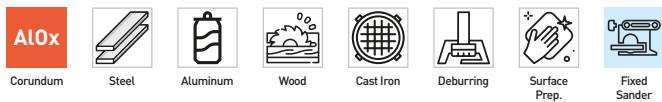
Art.	Dimensions	Grit	Shape	Pack
CRD0638/060C	6 x 38 mm	60	Cylindrical	50
CRD0638/080C	6 x 38 mm	80	Cylindrical	50
CRD0638/120C	6 x 38 mm	120	Cylindrical	50
CRD1038/040C	10 x 38 mm	40	Cylindrical	50
CRD1038/060C	10 x 38 mm	60	Cylindrical	50
CRD1038/080C	10 x 38 mm	80	Cylindrical	50
CRD1038/120C	10 x 38 mm	120	Cylindrical	50

PCR6338
PIN FOR CARTRIDGE ROLLS


Axial grinder



NTXA
ABRASIVE BELTS

NTXZ
ABRASIVE BELTS


Art.	Dimensions	Grit	Pack
NT0440/035/040A	440 x 35 mm	40	10
NT0440/035/060A	440 x 35 mm	60	10
NT0440/035/080A	440 x 35 mm	80	10
NT0440/035/120A	440 x 35 mm	120	10
NT0533/075/040A	533 x 75 mm	40	10
NT0533/075/060A	533 x 75 mm	60	10
NT0533/075/080A	533 x 75 mm	80	10
NT0533/075/120A	533 x 75 mm	120	10
NT0686/050/040A	686 x 50 mm	40	10
NT0686/050/060A	686 x 50 mm	60	10
NT0686/050/080A	686 x 50 mm	80	10
NT0686/050/100A	686 x 50 mm	100	10
NT0686/050/120A	686 x 50 mm	120	10
NT0914/100/040A	914 x 100 mm	40	10
NT0914/100/060A	914 x 100 mm	60	10
NT0914/100/080A	914 x 100 mm	80	10
NT0914/100/100A	914 x 100 mm	100	10
NT0914/100/120A	914 x 100 mm	120	10
NT1000/100/040A	1000 x 100 mm	40	10
NT1000/100/060A	1000 x 100 mm	60	10
NT1000/100/080A	1000 x 100 mm	80	10
NT1000/100/120A	1000 x 100 mm	120	10
NT1075/025/040A	1075 x 25 mm	40	10
NT1075/025/060A	1075 x 25 mm	60	10
NT1075/025/080A	1075 x 25 mm	80	10
NT1075/025/100A	1075 x 25 mm	100	10
NT1075/025/120A	1075 x 25 mm	120	10
NT1219/152/040A	1219 x 152 mm	40	10
NT1219/152/060A	1219 x 152 mm	60	10
NT1219/152/080A	1219 x 152 mm	80	10
NT1219/152/100A	1219 x 152 mm	100	10
NT1219/152/120A	1219 x 152 mm	120	10
NT1500/120/040A	1500 x 120 mm	40	10
NT1500/120/060A	1500 x 120 mm	60	10
NT1500/120/080A	1500 x 120 mm	80	10
NT1500/120/120A	1500 x 120 mm	120	10
NT1750/150/040A	1750 x 150 mm	40	10
NT1750/150/060A	1750 x 150 mm	60	10
NT1750/150/080A	1750 x 150 mm	80	10
NT1750/150/120A	1750 x 150 mm	120	10

Art.	Dimensions	Grit	Pack
NT0330/010/040Z	330 x 10 mm	40	10
NT0330/010/060Z	330 x 10 mm	60	10
NT0330/010/080Z	330 x 10 mm	80	10
NT0330/010/120Z	330 x 10 mm	120	10
NT520/020/040Z	520 x 20 mm	40	10
NT520/020/060Z	520 x 20 mm	60	10
NT520/020/080Z	520 x 20 mm	80	10
NT520/020/120Z	520 x 20 mm	120	10
NT0610/100/040Z	610 x 100 mm	40	10
NT0610/100/060Z	610 x 100 mm	60	10
NT0610/100/080Z	610 x 100 mm	80	10
NT0610/100/120Z	610 x 100 mm	120	10
NT0760/040/040Z	760 x 40 mm	40	10
NT0760/040/060Z	760 x 40 mm	60	10
NT0760/040/080Z	760 x 40 mm	80	10
NT0760/040/120Z	760 x 40 mm	120	10
NT0914/100/040Z	914 x 100 mm	40	10
NT0914/100/060Z	914 x 100 mm	60	10
NT0914/100/080Z	914 x 100 mm	80	10
NT0914/100/120Z	914 x 100 mm	120	10
NT1000/100/040Z	1000 x 100 mm	40	10
NT1000/100/060Z	1000 x 100 mm	60	10
NT1000/100/080Z	1000 x 100 mm	80	10
NT1000/100/120Z	1000 x 100 mm	120	10
NT1219/152/040Z	1219 x 152 mm	40	10
NT1219/152/060Z	1219 x 152 mm	60	10
NT1219/152/080Z	1219 x 152 mm	80	10
NT1219/152/120Z	1219 x 152 mm	120	10
NT1500/120/040Z	1500 x 120 mm	40	10
NT1500/120/060Z	1500 x 120 mm	60	10
NT1500/120/080Z	1500 x 120 mm	80	10
NT1500/120/120Z	1500 x 120 mm	120	10
NT1750/150/040Z	1750 x 150 mm	40	10
NT1750/150/060Z	1750 x 150 mm	60	10
NT1750/150/080Z	1750 x 150 mm	80	10
NT1750/150/120Z	1750 x 150 mm	120	10
NT2000/050/040Z	2000 x 50 mm	40	10
NT2000/050/060Z	2000 x 50 mm	60	10
NT2000/050/080Z	2000 x 50 mm	80	10
NT2000/050/120Z	2000 x 50 mm	120	10
NT2000/150/040Z	2000 x 150 mm	40	10
NT2000/150/060Z	2000 x 150 mm	60	10
NT2000/150/080Z	2000 x 150 mm	80	10
NT2000/150/120Z	2000 x 150 mm	120	10

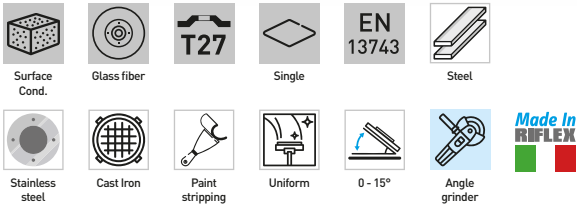


SURFACE CONDITIONING

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	Ø 115 x 22 mm	Coarse	13300	10
SCD115/M	Ø 115 x 22 mm	Medium	13300	10
SCD115/VF	Ø 115 x 22 mm	Very Fine	13300	10
SCD125/C	Ø 125 x 22 mm	Coarse	12200	10
SCD125/M	Ø 125 x 22 mm	Medium	12200	10
SCD125/VF	Ø 125 x 22 mm	Very Fine	12200	10

SPA115/M14

BACKING PAD

For surface conditioning discs.

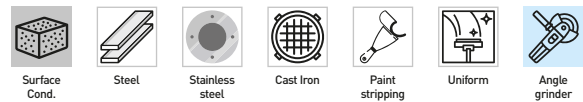


Diameter Ø	115 mm
Thread	M14
rpm max	13300

VSCX

SURFACE CONDITIONING DISCS

Surface preparation for painting, to repair defects with an uniform satin finish. Removes oxidation, scratches, varnishes, welding marks.

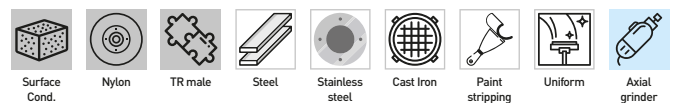


Art.	Diameter Ø	Grit	rpm max	Pack
VSC115/080C	115 mm	Coarse (80)	5100	10
VSC115/120M	115 mm	Medium (120)	5100	10
VSC115/240VF	115 mm	Very Fine (240)	5100	10

MSCX

FAST LOCK SURFACE CONDITIONING

Removes oxidation, scratches, varnishes, welding marks.



Art.	Diameter Ø	Grit	rpm max	Pack
MSC050/C	50 mm	Coarse	25000	10
MSC050/M	50 mm	Medium	25000	10
MSC050/VF	50 mm	Very Fine	25000	10
MSC075/C	75 mm	Coarse	20000	25
MSC075/M	75 mm	Medium	20000	25
MSC075/VF	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	115 mm x 10 m	A.Medium (120)
PAR115/180AF	115 mm x 10 m	A.Fine (180)
PAR115/320AVF	115 mm x 10 m	A.Very Fine (320)
PAR115/600AUF	115 mm x 10 m	A.Ultra Fine (600)

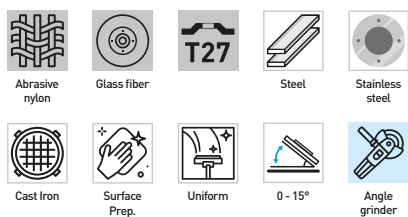


Art.	Dimensions	Grit	Pack
FPA120/M	115 x 280 mm	A.Medium (120)	10
FPA120/F	115 x 280 mm	A.Fine (180)	10
FPA120/VF	115 x 280 mm	A.Very Fine (320)	10
FPA120/UF	115 x 280 mm	S.Ultra Fine (600)	10



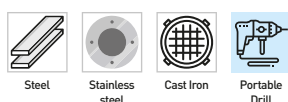


CSCD-
ABRASIVE NYLON DISCS



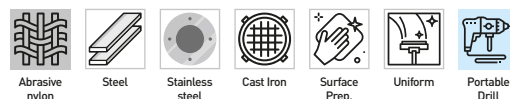
Art.	Dimensions	rpm max	Pack
CSCD/F115	115 x 22 mm	11000	5
CSCD/F180	180 x 22 mm	7000	5
CSCD/F115HD	115 x 22 mm	11000	5

ADF-
FASTENING SHAFT



Art.	Dimensions	Type	Pack
ADF/01	10 x 6 mm	25	10
ADF/02	12,8 x 8 mm	24	10

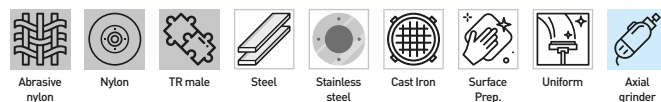
CSDS-
FLAT DISCS WITH HOLE FOR DRILL



Art.	Diameter	rpm max
CSDS/100	100 mm	8000
CSDS/150	150 mm	5350
CSDS/200	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	50 mm	12000	10
CSF/075	75 mm	8000	10


UNCD-
NON WOVEN ABRASIVE DISCS FOR SURFACE FINISHING

Impregnated with resin and compressed.



Art.	Dimensions	Grit	rpm max	Pack
UNCD/F115F	115 x 22 mm	S/C-F	11000	5
UNCD/F115M	115 x 22 mm	S/C-M	11000	5
UNCD/F115C	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	115 mm	6 mm	22 mm	3 S.Fine	5000	5
UNP115/6/6SM	115 mm	6 mm	22 mm	6 S.Medium	5000	5
UNP125/6/3SF	125 mm	6 mm	22 mm	3 S.Fine	5000	5
UNP125/6/6SM	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	150 mm	6 mm	25 mm	3 A.Medium	5000	5
UNF150/6/6SF	150 mm	6 mm	25 mm	6 S.Fine	5000	5
UNF150/6/6AC	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	75 mm	2SF	20000
MDU075/6SF	75 mm	6SF	20000
MDU075/6AM	75 mm	6AM	20000



PAS-

GRINDING PASTES

Pink: medium/fatty paste for polishing and shining; accompanies cloth in the second pass and in polishing brass, silver, aluminum, chrome and zamak.
 Green: medium-fat paste to accompany sisal in finishing stainless.
 White: greasy paste to accompany roughing and first pass with sisal, buffer, steel wire or nylon thread. For brass, silver, zamak, stainless steel.
 Yellow: very sharp for removing scratches from precious and silverware.



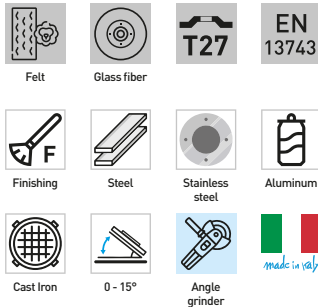
Finishing

Art.	Color
PAS/W	White
PAS/P	Pink
PAS/Y	Yellow
PAS/G	Green

DLFX

FELT FLAP DISCS

Suited for mirror polishing, to be used with compounds or abrasive pastes. Felt flaps are flexible and prevent overheating.

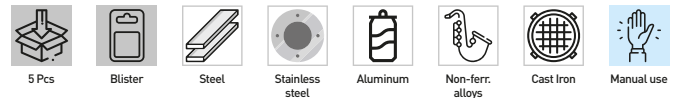


Art.	Dimensions	rpm max	Pack
DLF115	Ø 115 x 22 mm	6000	10
DLF125	Ø 125 x 22 mm	6000	10

S169

POLISHING KIT

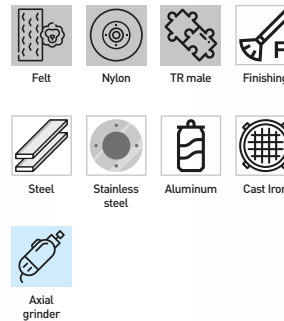
Green and pink: paste for finishing polishes on the main categories of metals. Brown and Black: for performing coarse / medium finish polishes on materials such as brass, aluminum and zinc. White: for carrying out coarse / medium finish polishing on materials such as iron, stainless steel and copper.



MDFX

FAST LOCK FELTRO

Suited for mirror polishing, to be used with compounds or abrasive pastes.

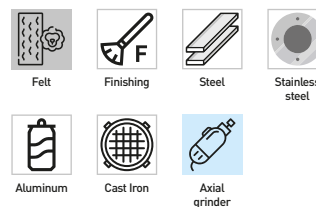


Art.	Diameter Ø	rpm max	Pack
MDF050	50 mm	25000	10
MDF075	75 mm	20000	10

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.

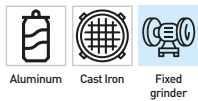


Art.	Diameter Ø	Thickness	Shank	rpm max	Pack
RGF030/30	30 mm	30 mm	6 mm	12500	10
RGF040/30	40 mm	30 mm	6 mm	9500	10
RGF050/30	50 mm	30 mm	6 mm	7500	10
RGF060/30	60 mm	30 mm	6 mm	6000	10
RGF080/30	80 mm	30 mm	6 mm	4500	10

DFFX

FELT DISCS

Suited for polishing. To be used with compound or diamond paste. best peripheral speed 5-10 m/s.

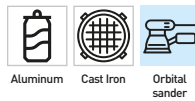


Art.	Diameter ø	Thickness	Hole
DFF100/13	100 mm	13 mm	10 mm
DFF150/13	150 mm	13 mm	15 mm
DFF150/25	150 mm	25 mm	15 mm
DFF200/13	200 mm	13 mm	15 mm
DFF200/25	200 mm	25 mm	15 mm

VDFX

VELCRO FELT DISCS

Suited for polishing. To be used with compound or diamond paste.

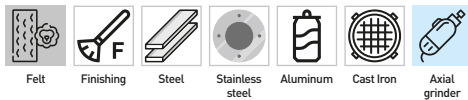


Art.	Diameter ø	Thickness	rpm max	Pack
VDF075	75 mm	5 mm	6000	10
VDF115	115 mm	5 mm	4000	10
VDF125	125 mm	5 mm	3500	10
VDF150	150 mm	5 mm	3000	10
VDF180	180 mm	5 mm	2500	10

MFGX

FELT POINT

Suited for polishing cut off forms. To be used with diamond paste. Best peripheral speed 5-10 m/s.



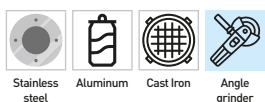
Art.	Shape	Diameter ø	Thickness	Shank	Pack
MFG0610/03A	A	6 mm	10 mm	3 mm	10
MFG0810/03A	A	8 mm	10 mm	3 mm	10
MFG1014/06A	A	10 mm	14 mm	6 mm	10
MFG1520/06A	A	15 mm	20 mm	6 mm	10
MFG0812/03K	K	8 mm	12 mm	3 mm	10
MFG1018/06K	K	10 mm	18 mm	6 mm	10
MFG1530/06K	K	15 mm	30 mm	6 mm	10
MFG1530/06C	C	15 mm	30 mm	6 mm	10
MFG2025/06C	C	20 mm	25 mm	6 mm	10
MFG2530/06C	C	25 mm	30 mm	6 mm	10
MFG2025/06L	L	20 mm	25 mm	6 mm	10
MFG2530/06L	L	25 mm	30 mm	6 mm	10



DFC115/M14

CONICAL FELT DISC

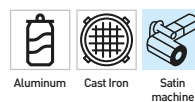
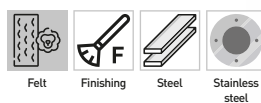
Suited for polishing. to be used with compound or diamond paste.



Diameter ø	115 mm
Thickness	12 mm
Thread	M14
rpm max	12500

RFF100

VENTILATED FELT WHEEL



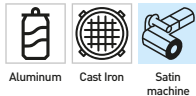
Dimensions	110 x 100 mm
Hole diameter	19 mm



DCK100

VENTILATED COTTON DISCS

Mirror polishing. 10 discs to get a 100 mm wheel.

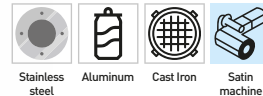


Diameter ø	100 mm
Hole	19,1 mm
Pack	10

DSK100

SISAL/COTTON DISCS

Suited for inox to eliminate abrasive marks and before polishing operations with felt or cotton. 7 discs to get a 100 mm wheel.

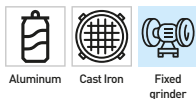


Diameter ø	100 mm
Hole	19,1 mm
Pack	10

DCTX

STITCHED COTTON DISCS

Layers of cotton bonded together by concentric stitching. Suited for polishing, to be used with pastes.

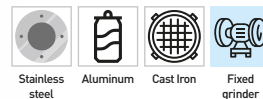


Art.	Diameter ø	Hole
DCT150	150 mm	12 mm
DCT200	200 mm	20 mm
DCT250	250 mm	20 mm

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.

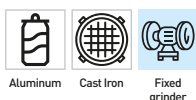


Art.	Diameter ø	Hole
DSC150	150 mm	20 mm
DSC200	200 mm	20 mm
DSC250	250 mm	20 mm

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.

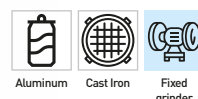
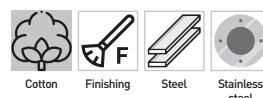


Art.	Diameter ø	Hole
DST150	150 mm	20 mm
DST200	200 mm	20 mm
DST250	250 mm	20 mm

DCVX

VENTILATED DISCS

Ventilated cotton discs.

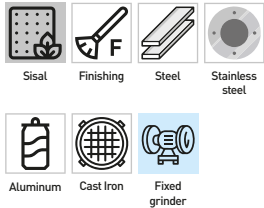


Art.	Diameter ø	Hole	Layers
DCV150	150 mm	20 mm	8
DCV200	200 mm	20 mm	16

DMV150

VENTILATED DISCS

Ventilated sisal and cotton discs.

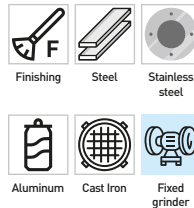


Diameter ϕ	150 mm
Hole	20 mm
Layers	2

DC200

CORRUGATED DISCS

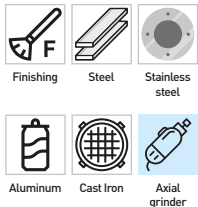
Made of cotton with cardboard core.



Diameter ϕ	200 mm
Hole	20 mm
Layers	14

DNW100

WHITE NON WOVEN POLISHING DISCS

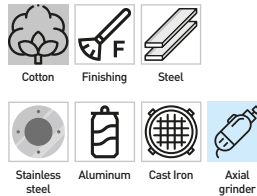


Diameter ϕ	100 mm
Hole	10 mm
Pack	10

DCGX

SHAFT MOUNTED COTTON BUFFINGS

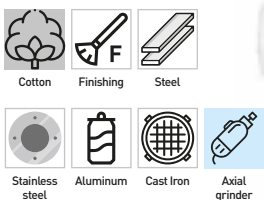
Suited for polishing. To be used with pastes. Best peripheral speed 5-10 m/s.



Art.	Diameter ϕ	Thickness	Shank	Pack
DCG050	50 mm	12 mm	6 mm	10
DCG080	80 mm	12 mm	6 mm	10
DCG100	100 mm	12 mm	6 mm	10

FCGX

FLARE BUFFS

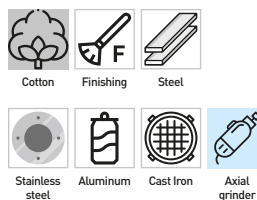


Art.	Diameter ϕ	Shank	Pack
FCG50	50 mm	6 mm	10
FCG75	75 mm	6 mm	10

CCGX

DOME MOPS

For polishing, for use with abrasive paste. Optimal peripheral speed 5-10 m/s.



Art.	Diameter ϕ	Shank	Pack
CCG50	50 mm	6 mm	5
CCG75	75 mm	6 mm	5



PNS

SHAFT

Shaft for ventilated disc DNW.



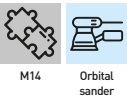
Axial grinder



PLV175

BACKING PAD FOR LAMBS WOOL DISCS

Backing pad suited for VLA200.



M14

Orbital sander

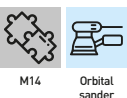


Diameter ø	175 mm
Thread	M14

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

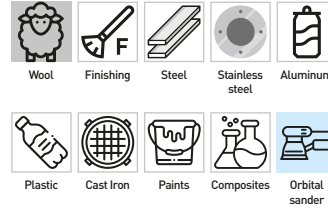


Art.	Diameter ø	Thread	rpm max
VSP075	75 mm	M14	12200
VSP115	115 mm	M14	10000
VSP125	125 mm	M14	10000
VSP150	150 mm	M14	7000
VSP180	180 mm	M14	5000

VLA200

TWISTED LAMBS WOOL DISC

Polishing of painted surfaces and marble.



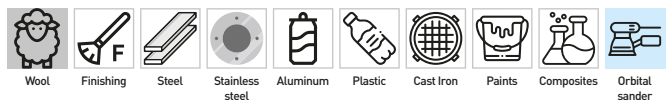
Diameter ø	200 mm
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VDLX

POLISHING LAMB'S WOOL

Merinos lamb wool. ideal for polishing all painted surfaces with velcro back



Art.	Diameter ø
VDL075	75 mm
VDL115	115 mm
VDL125	125 mm
VDL150	150 mm
VDL180	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	98 x 69 x 26 mm	Coarse (60)	20
BSA100/100M	98 x 69 x 26 mm	Medium (100)	20
BSA100/180F	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	120 x 98 x 13 mm	Coarse (60)	20
FSA120/100M	120 x 98 x 13 mm	Medium (100)	20
FSA120/180F	120 x 98 x 13 mm	Fine (180)	20

BGAX
ABRASIVE RUBBER BLOCKS

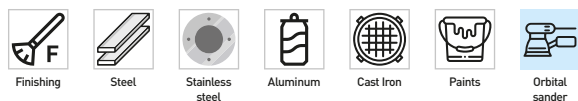
Can be used for various cleaning and manual finishing operations



Art.	Dimensions	Grit
BGA8050/036	80 x 50 x 20 mm	36
BGA8050/060	80 x 50 x 20 mm	60
BGA8050/120	80 x 50 x 20 mm	120
BGA8050/240	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. Black: final polishing.



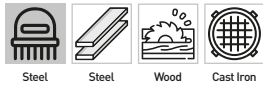
Art.	Diameter ø	Thickness	Color	rpm max
SAL80Y	80 mm	25 mm	Yellow	8000
SAL80B	80 mm	25 mm	Blue	8000
SAL80O	80 mm	25 mm	Orange	8000
SAL80K	80 mm	25 mm	Black	8000
SAL150Y	150 mm	50 mm	Yellow	4500
SAL150B	150 mm	50 mm	Blue	4500
SAL150O	150 mm	50 mm	Orange	4500
SAL150K	150 mm	50 mm	Black	4500



SRFX

CIRCULAR BRUSHES

Medium to heavy brush applications: long life, aggressive, very resistant.

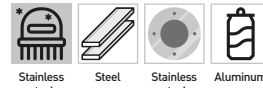


Art.	Dimensions	Hole	Wire	rpm max
SRF125/25	Ø 125 x 20 mm	16, 12,7 mm	0,3 mm	6000
SRF150/25	Ø 150 x 32 mm	25, 22, 20, 16, 12,7 mm	0,3 mm	6000
SRF175/25	Ø 175 x 32 mm	25, 22, 20, 16 mm	0,3 mm	6000
SRF200/25	Ø 200 x 32 mm	25, 22, 20, 16, 13 mm	0,3 mm	4500
SRF250/25	Ø 250 x 32 mm	25, 22, 20, 16 mm	0,3 mm	3000

SRFXI

CIRCULAR BRUSHES

Medium to heavy brush applications: long life, aggressive, very resistant.

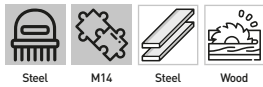


Art.	Dimensions	Hole	Wire	rpm max
SRF125/25I	Ø 125 x 20 mm	16, 12,7 mm	0,3 mm	6000
SRF150/25I	Ø 150 x 32 mm	25, 22, 20, 16, 12,7 mm	0,3 mm	6000
SRF175/25I	Ø 175 x 32 mm	25, 22, 20, 16 mm	0,3 mm	6000
SRF200/25I	Ø 200 x 32 mm	25, 22, 20, 16 mm	0,3 mm	4500
SRF250/25I	Ø 250 x 32 mm	25, 22, 20, 16 mm	0,3 mm	3000

STFX

CUP BRUSHES

Suited for angle grinders. paint and primer removal, roughing, light rust removal.

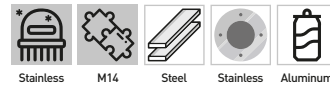


Art.	Diameter ø	Thread	Wire	rpm max
STF060	60 mm	M14	0,3 mm	12500
STF080	80 mm	M14	0,3 mm	11000
STF100	100 mm	M14	0,3 mm	8500
STF120	120 mm	M14	0,3 mm	6500

STFXI

CUP BRUSHES

Suited for angle grinders. paint and primer removal, roughing, light rust removal.

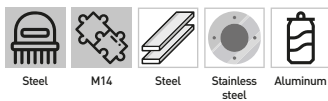


Art.	Diameter ø	Thread	Wire	rpm max
STF060I	60 mm	M14	0,3 mm	12500
STF080I	80 mm	M14	0,3 mm	11000
STF100I	100 mm	M14	0,3 mm	8500
STF120I	120 mm	M14	0,3 mm	6500

SCFX

BEVEL BRUSHES

Suited for angle grinders.

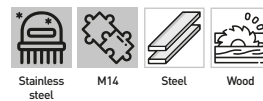


Art.	Thread	Wire	rpm max	Diameter ø
SCF090	M14	0,3 mm	125000	90 mm
SCF120	M14	0,3 mm	125000	120 mm
SCF150	M14	0,3 mm	6500	150 mm

SCFXI

BEVEL BRUSHES

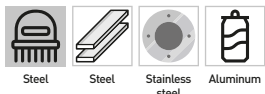
Suited for angle grinders.



Art.	Thread	Wire	rpm max	Diameter ø
SCF090I	M14	0,3 mm	125000	90 mm
SCF120I	M14	0,3 mm	125000	120 mm
SCF150I	M14	0,3 mm	6000	150 mm

SRRX
TWISTED KNOTS CIRCULAR BRUSHES

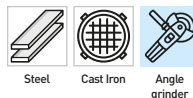
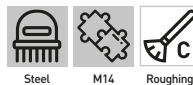
Suited to clean welds and to remove paint, rust, encrustations and burrs. high operating speed.



Art.	Diameter ø	Hole	Wire	rpm max
SRR100	100 mm	22 mm	0,5 mm	12500
SRR150	150 mm	22 mm	0,5 mm	9000
SRR200	200 mm	22 mm	0,5 mm	6000

SRRX-M14
TWISTED KNOTS CIRCULAR BRUSHES

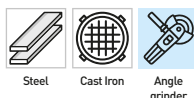
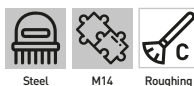
Suited to clean welds and to remove paint, rust, encrustations and burrs. high operating speed.



Art.	Diameter ø	Thread	Wire	rpm max
SRR100/M14	100 mm	M14	0,5 mm	12500
SRR115/M14	115 mm	M14	0,5 mm	12500
SRR125/M14	125 mm	M14	0,5 mm	11000

STRX
TWISTED KNOTS CUP BRUSHES

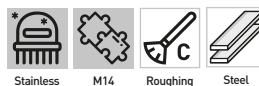
Suited to remove carbon, rust, paint and other contaminations



Art.	Diameter ø	Thread	Wire	rpm max
STR065	65 mm	M14	0,5 mm	12500
STR075	75 mm	M14	0,5 mm	8500
STR080	80 mm	M14	0,5 mm	8500
STR100	100 mm	M14	0,5 mm	8500
STR120	120 mm	M14	0,5 mm	6500

STRXI
TWISTED KNOTS CUP BRUSHES

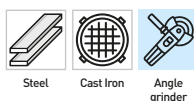
Suited to remove carbon, rust, paint and other contaminations



Art.	Diameter ø	Thread	Wire	rpm max
STR065I	65 mm	M 14	0,5 mm	12500
STR075I	75 mm	M 14	0,5 mm	8500
STR080I	80 mm	M 14	0,5 mm	8500
STR100I	100 mm	M 14	0,5 mm	8500
STR120I	120 mm	M 14	0,5 mm	6500

SCRX
TWISTED KNOTS BEVEL BRUSHES

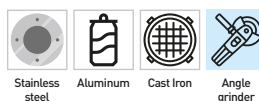
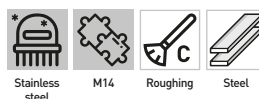
Suited to remove carbon, rust, paint and other contaminations. Tapered brush shaped to reach angles.



Art.	Diameter ø	Thread	Wire	rpm max
SCR100	100 mm	M14	0,5 mm	12500
SCR120	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.



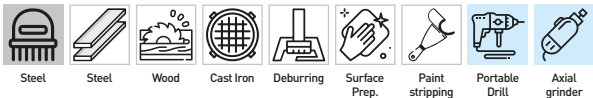
Art.	Diameter ø	Thread	Wire	rpm max
SCR100I	100 mm	M14	0,5 mm	12500
SCR120I	120 mm	M14	0,5 mm	12500



SRGX

CIRCULAR BRUSHES WITH SHAFT

Cleaning of light rust, paint, primer.

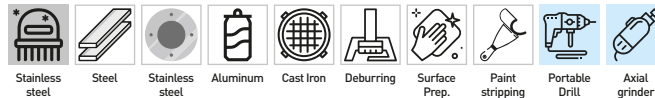


Art.	Diameter ø	Thickness	Shank	Wire	rpm max
SRG030/05	30 mm	5 mm	6 mm	0,3 mm	4500
SRG040/05	40 mm	5 mm	6 mm	0,3 mm	4500
SRG050/06	50 mm	6 mm	6 mm	0,3 mm	4500
SRG060/06	60 mm	6 mm	6 mm	0,3 mm	4500
SRG070/08	70 mm	8 mm	6 mm	0,3 mm	4500
SRG080/08	80 mm	8 mm	6 mm	0,3 mm	4500
SRG100/10	100 mm	10 mm	6 mm	0,3 mm	4500
SRG100/15	100 mm	15 mm	6 mm	0,3 mm	4500

SRGXI

CIRCULAR BRUSHES WITH SHAFT

Cleaning of light rust, paint, primer.

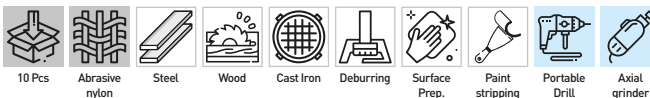


Art.	Diameter ø	Thickness	Shank	Wire	rpm max
SRG030/05I	30 mm	5 mm	6 mm	0,3 mm	4500
SRG040/05I	40 mm	5 mm	6 mm	0,3 mm	4500
SRG050/06I	50 mm	6 mm	6 mm	0,3 mm	4500
SRG060/06I	60 mm	6 mm	6 mm	0,3 mm	4500
SRG070/08I	70 mm	8 mm	6 mm	0,3 mm	4500
SRG080/08I	80 mm	8 mm	6 mm	0,3 mm	4500
SRG100/10I	100 mm	10 mm	6 mm	0,3 mm	4500
SRG100/15I	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.

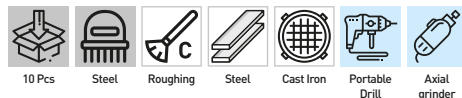


Art.	Diameter ø	Shank	Grit	Color	rpm max
SNG075/080R	75 mm	6 mm	80	Red	4500
SNG075/180B	75 mm	6 mm	180	Blue	4500
SNG100/080R	100 mm	6 mm	80	Red	4500
SNG100/180B	100 mm	6 mm	180	Blue	4500

SGR075

TWISTED KNOTS BRUSH WITH SHAFT

Cleaning, removal of rust and weld seams

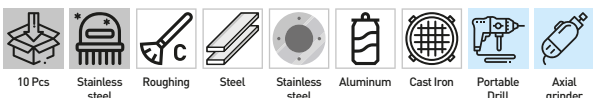


Diameter ø	75 mm
Shank	6 mm
Wire	0,5 mm
rpm max	12000

SGR075I

TWISTED KNOTS BRUSH WITH SHAFT

Cleaning, removal of rust and weld seams

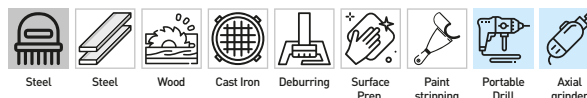


Diameter ø	75 mm
Shank	6 mm
Wire	0,5 mm
rpm max	12000

SCG090

BEVEL BRUSHES WITH SHAFT

For light and medium rust and varnish removal and deburring

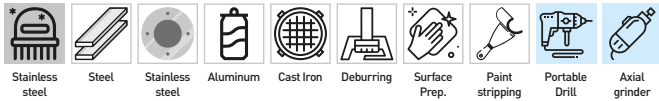


Diameter ø	90 mm
Shank	6 mm
Wire	0,3 mm
rpm max	12500

SCG090I

BEVEL BRUSHES WITH SHAFT

For light and medium rust and varnish removal and deburring

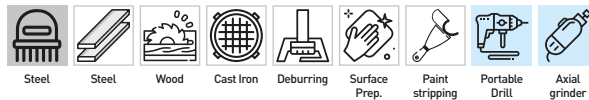


Diameter ø	90 mm
Shank	6 mm
Wire	0,3 mm
rpm max	12500

STGX

CUP BRUSHES WITH SHAFT

Cup shape, to reach the bottoms and to work frontally

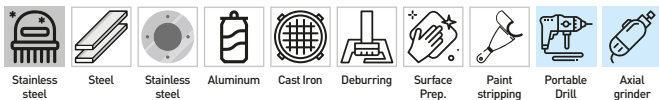


Art.	Diameter ø	Shank	Wire	rpm max
STG050	50 mm	6 mm	0,3 mm	6500
STG070	70 mm	6 mm	0,3 mm	4500

STGXI

CUP BRUSHES WITH SHAFT

Cup shape, to reach the bottoms and to work frontally

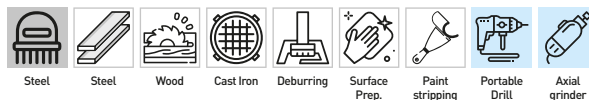


Art.	Diameter ø	Shank	Wire	rpm max
STG050I	50 mm	6 mm	0,3 mm	6500
STG070I	70 mm	6 mm	0,3 mm	4500

SFGX

END BRUSHES

Suited for hard-to-reach spots and frontal cleaning.

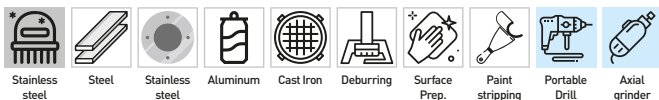


Art.	Diameter ø	Shank	Wire	rpm max
SFG010	10 mm	6 mm	0,3 mm	20000
SFG015	15 mm	6 mm	0,3 mm	20000
SFG020	20 mm	6 mm	0,3 mm	20000
SFG025	25 mm	6 mm	0,3 mm	20000
SFG030	30 mm	6 mm	0,3 mm	20000

SFGXI

END BRUSHES

Suited for hard-to-reach spots and frontal cleaning.

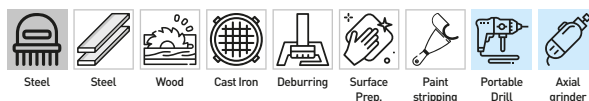


Art.	Diameter ø	Shank	Wire	rpm max
SFG010I	10 mm	6 mm	0,3 mm	20000
SFG015I	15 mm	6 mm	0,3 mm	20000
SFG020I	20 mm	6 mm	0,3 mm	20000
SFG025I	25 mm	6 mm	0,3 mm	20000
SFG030I	30 mm	6 mm	0,3 mm	20000

SFPX

TIP END BRUSHES

Suited for hard-to-reach spots and frontal cleaning.



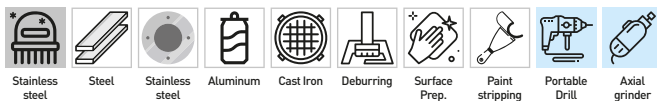
Art.	Diameter ø	Shank	Wire	rpm max
SFP012	12 mm	6 mm	0,3 mm	20000
SFP024	24 mm	6 mm	0,3 mm	20000



SFPXI

TIP END BRUSHES

Suited for hard-to-reach spots and frontal cleaning.

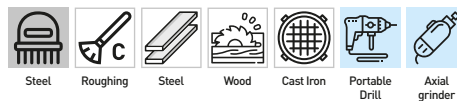


Art.	Diameter ø	Shank	Wire	rpm max
SFP012I	12 mm	6 mm	0.3 mm	20000
SFP024I	24 mm	6 mm	0.3 mm	20000

SFRX

TWISTED KNOTS END BRUSHES

Suited for hard-to-reach spots and frontal cleaning.

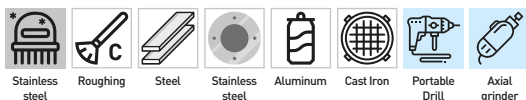


Art.	Diameter ø	Shank	Wire	rpm max
SFR019	19 mm	6 mm	0,5 mm	20000
SFR022	22 mm	6 mm	0,5 mm	20000

SFRXI

TWISTED KNOTS END BRUSHES

Suited for hard-to-reach spots and frontal cleaning.



Art.	Diameter ø	Shank	Wire	rpm max
SFR019I	19 mm	6 mm	0,5 mm	20000
SFR022I	22 mm	6 mm	0,5 mm	20000

0331

WIRE BRUSH SET FOR AUTOMOTIVE AND WORKSHOP

With extension and plastic handle.

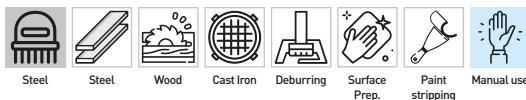


Sizes	ø 9 - 11 - 13 - 15 - 17 - 19 mm
Material	Nylon - Steel - Brass

SMC275

HAND BRUSHES

For hand cleaning operations.

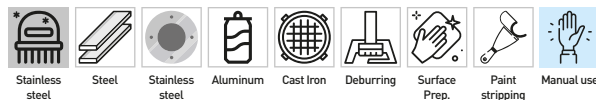


Size	275 mm
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SMC275I

HAND BRUSHES

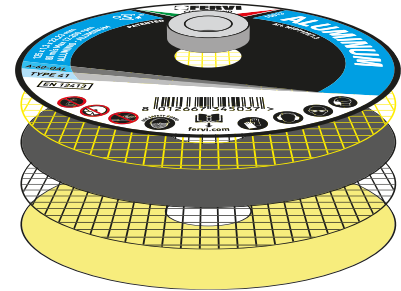
For hand cleaning operations.



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:

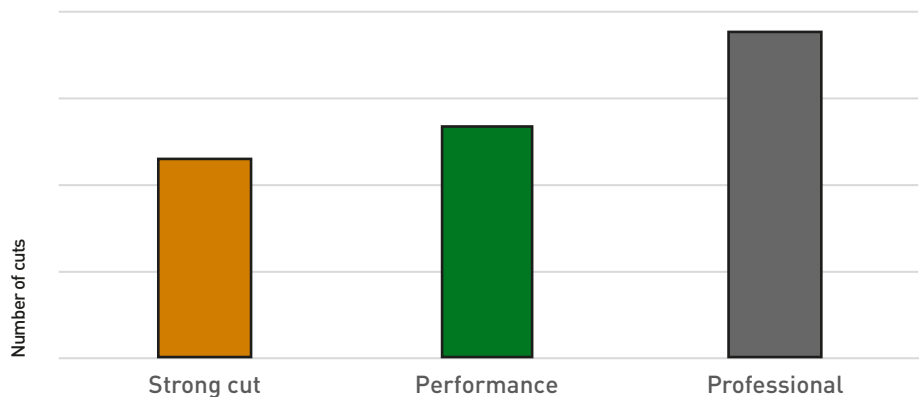
- Modified zirconium corundum: it has high toughness and the property of breaking at high temperatures making the grain regenerate creating new sharp "edges". This type of abrasive is obtained by placing zirconium oxide in the electro-fusion. This abrasive is one of the most effective and durable on 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	1.0 mm	Thickness aimed at speed of processing, comfort of use and quality of cut.
	1.3 - 1.6 mm	Thickness aimed at disc life and comfort of use.
	≥ 2 mm	Heavy Duty
Ø 150 - 230 mm	2 mm	Thickness aimed at disc life and comfort of use.
	≥ 3 mm	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.

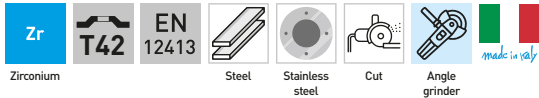




ZTD8X

PROFESSIONAL ZIRCONIUM 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.



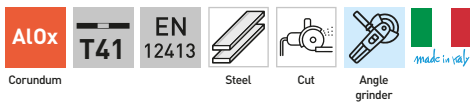
Art.	Dimensions	Specification	Pack
ZTD8115/1.0	115 x 1,0 x 22 mm	ZA-60-SXBF	25
ZTD8125/1.0	125 x 1,0 x 22 mm	ZA-60-SXBF	25



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.



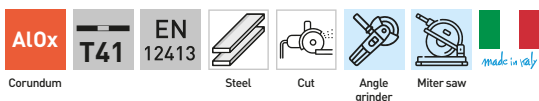
Art.	Dimensions	Specification	Pack
MTP8115/1.0	115 x 1,0 x 22 mm	A60S	25
MTP8115/1.3	115 x 1,3 x 22 mm	A60S	25
MTP8115/1.6	115 x 1,6 x 22 mm	A60S	25
MTP8125/1.0	125 x 1,0 x 22 mm	A60S	25
MTP8125/1.3	125 x 1,3 x 22 mm	A60S	25
MTP8230/2.0	230 x 2,0 x 22 mm	A60S	25
MTP8125/1.6	125 x 1,6 x 22 mm	A60S	25



MTP6X

PERFORMANCE CUTTING DISC

For general use. Designed for artisans and small businesses. Good cut quality.

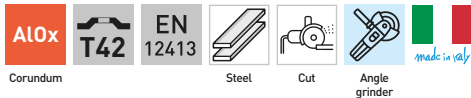


Art.	Dimensions	Specification	Pack
MTP6075/1.5	75 x 1,5 x 10 mm	A46-S-BF 80	25
MTP6115/1.0	115 x 1,0 x 22 mm	A46-R-BF 80	25
MTP6115/1.3	115 x 1,3 x 22 mm	A46-R-BF 80	25
MTP6115/1.6	115 x 1,6 x 22 mm	A46-R-BF 80	25
MTP6125/1.0	125 x 1,0 x 22 mm	A46-S5-BF	25
MTP6125/1.3	125 x 1,3 x 22 mm	A46-S5-BF	25
MTP6125/1.6	125 x 1,6 x 22 mm	A46-S5-BF	25
MTP6230/2.0	230 x 2,0 x 22 mm	A30-R-BF 80	25
MTP6350/3.0	350 x 3,0 x 25.4 mm	A46-S-BF 80	25



MTD6X
PERFORMANCE CUTTING DISC

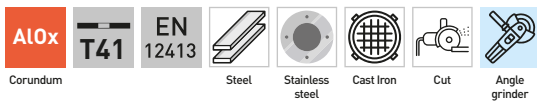
Corundum.



Art.	Dimensions	Specification	Pack
MTD6115/3.0	115 x 3,0 x 22 mm	A30-R-BF 80	25
MTD6125/3.2	125 x 3,2 x 22 mm	A30-S-BF	25
MTD6230/3.0	230 x 3,0 x 22 mm	A30-R-BF 80	25


MTP4X
STRONG CUT CUTTING DISC

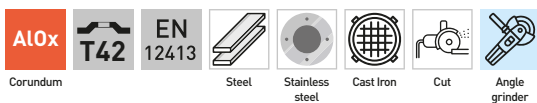
For general use. Designed for hobbyists, artisans and small businesses. Ideal on both steel and stainless steel. Excellent value for money.



Art.	Dimensions	Specification	Pack
MTP4075/1.5	75 x 1.5 x 9,53 mm	A60TBF	100
MTP4115/1.0	115 x 1.0 x 22 mm	A60TBF	50
MTP4115/1.3	115 x 1.3 x 22 mm	A60TBF	50
MTP4115/1.6	115 x 1.6 x 22 mm	A46TBF	50
MTP4125/1.0	125 x 1.0 x 22 mm	A60TBF	50
MTP4125/1.3	125 x 1.3 x 22 mm	A60TBF	50
MTP4125/1.6	125 x 1.6 x 22 mm	A46TBF	50
MTP4230/2.0	230 x 2.0 x 22 mm	A46TBF	25
MTP4350/3.0	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.

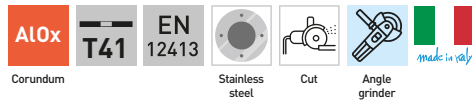


Art.	Dimensions	Specification	Pack
MTD4115/3.0	115 x 3.0 x 22 mm	A30SBF	50
MTD4125/3.0	125 x 3.0 x 22 mm	A30SBF	50
MTD4180/3.0	180 x 3.0 x 22 mm	A30SBF	25
MTD4230/3.0	230 x 3.0 x 22 mm	A30SBF	25



**MTP9X****INOX CUTTING DISC**

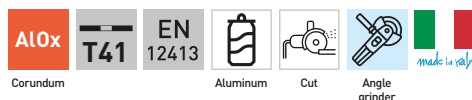
For specific uses. Designed for stainless steel professionals who require a large number of high quality cuts. They boast a helical rib conformation on both sides that allows for a faster and colder cut.



Art.	Dimensions	Specification	Pack
MTP9115/1.0	115 x 1,0 x 22 mm	A60SX	25
MTP9115/1.3	115 x 1,3 x 22 mm	A60SX	25
MTP9115/1.6	115 x 1,6 x 22 mm	A60SX	25
MTP9125/1.0	125 x 1,0 x 22 mm	A60SX	25
MTP9125/1.3	125 x 1,3 x 22 mm	A60SX	25
MTP9125/1.6	125 x 1,6 x 22 mm	A60SX	25
MTP9230/2.0	230 x 2,0 x 22 mm	A60SX	25

**MTP7X****PROFESSIONAL CUTTING DISC FOR ALUMINIUM**

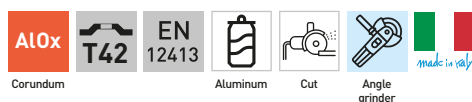
For specific uses. Designed for aluminum professionals and window fabricators. Ideal on aluminum extrusions, in light alloy foundries and a large number of high quality cuts are required. It boasts a helical rib conformation on both sides that allows for a faster and colder cut, with low clogging.



Art.	Dimensions	Specification	Pack
MTP7115/1.3	115 x 1,3 x 22 mm	A-60-QAL	25
MTP7125/1.3	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	230 x 3,2 x 22 mm	A-30-36-QAL	25



ZSD8X

PROFESSIONAL ZIRCONIUM 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	115 x 7,0 x 22 mm	ZA-60-SXBF	25
ZSD8125/7.0	125 x 7,0 x 22 mm	ZA-60-SXBF	25
ZSD8230/7.0	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	115 x 6,5 x 22 mm	A-Q	25
MSD8125/6.5	125 x 6,5 x 22 mm	A-Q	25
MSD8230/7.0	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.



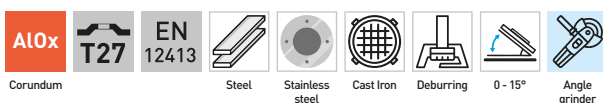
Art.	Dimensions	Specification	Pack
MSD6115/6.0	115 x 6,0 x 22 mm	A24-R-BF 80	25
MSD6125/6.5	125 x 6,5 x 22 mm	A30-S-BF	25
MSD6230/6.0	230 x 6,0 x 22 mm	A24-R-BF 80	25



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	115 x 6,0 x 22 mm	A24RBF	25
MSD4125/6.0	125 x 6,0 x 22 mm	A24RBF	25
MSD4180/6.0	180 x 6,0 x 22 mm	A24RBF	20
MSD4230/6.0	230 x 6,0 x 22 mm	A24RBF	15





M16X

GRINDING WHEELS

Pink corundum



A10x

Corundum

Art.	Dimensions	Specifications
M159	Ø 100 x 4,5 x 10 mm	GR80
M160	Ø 100 x 3,2 x 10 mm	GR80
M163	Ø 145 x 3,2 x 22,3 mm	GR 80
M162	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	150 x 20 x 32 mm	36	4500 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MG01/46	150 x 20 x 32 mm	46	4500 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MG01/60	150 x 20 x 32 mm	60	4500 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MG01/80	150 x 20 x 32 mm	80	4500 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MG02/36	200 x 20 x 32 mm	36	3350 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MG02/46	200 x 20 x 32 mm	46	3350 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MG02/60	200 x 20 x 32 mm	60	3350 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MG02/80	200 x 20 x 32 mm	80	3350 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MG03/36	200 x 25 x 32 mm	36	3350 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MG03/46	200 x 25 x 32 mm	46	3350 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MG03/60	200 x 25 x 32 mm	60	3350 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MG03/80	200 x 25 x 32 mm	80	3350 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MG04/36	250 x 25 x 32 mm	36	3350 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MG04/46	250 x 25 x 32 mm	46	2650 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MG04/60	250 x 25 x 32 mm	60	2650 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MG04/80	250 x 25 x 32 mm	80	2650 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MG06/80	200 x 40 x 20 mm	80	3350 rpm 35 m/s	-

MXV

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	150 x 20 x 32 mm	80	4500 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MV02/80	200 x 20 x 32 mm	80	3350 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MV03/80	200 x 25 x 32 mm	80	3350 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MV04/80	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

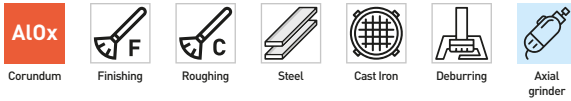


Fixed grinder

Art.	Dimensions	Grit	Max speed	Adapters
MB01/60	150 x 20 x 32 mm	60	4500 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MB02/60	200 x 20 x 32 mm	60	3350 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MB03/60	200 x 25 x 32 mm	60	3350 rpm 35 m/s	12,7 - 16 - 20 - 25 mm
MB04/60	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	Ø 3 x 6 mm	3 mm	50000	25
MCG0408/03A	Ø 4 x 8 mm	3 mm	50000	25
MCG0510/03A	Ø 5 x 10 mm	3 mm	50000	25
MCG0610/03A	Ø 6 x 10 mm	3 mm	47750	25
MCG0610/06A	Ø 6 x 10 mm	6 mm	47750	25
MCG0810/03A	Ø 8 x 10 mm	3 mm	38590	25
MCG0810/06A	Ø 8 x 10 mm	6 mm	38590	25
MCG1010/03A	Ø 10 x 10 mm	3 mm	28640	25
MCG1010/06A	Ø 10 x 10 mm	6 mm	28640	25
MCG1020/06A	Ø 10 x 20 mm	6 mm	28640	25

Art.	Size	Shank	rpm max	Pack
MCG1520/06A	Ø 15 x 20 mm	6 mm	19000	25
MCG1530/06A	Ø 15 x 30 mm	6 mm	19000	25
MCG2020/06A	Ø 20 x 20 mm	6 mm	14320	25
MCG2025/06A	Ø 20 x 25 mm	6 mm	14320	25
MCG2030/06A	Ø 20 x 30 mm	6 mm	14320	25
MCG2525/06A	Ø 25 x 25 mm	6 mm	11460	25
MCG3030/06A	Ø 30 x 30 mm	6 mm	9540	25
MCG4020/06A	Ø 40 x 20 mm	6 mm	7150	25
MCG4040/06A	Ø 40 x 40 mm	6 mm	7150	25
MCG5010/06A	Ø 50 x 10 mm	6 mm	5750	25

MCGXC
VITRIFIED MOUNTED POINTS

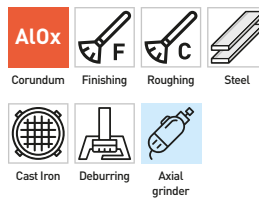
Conical shape "C" suited for grinding and finishing small or hard to reach surfaces: unhardened steels, alloyed steels, cast iron.



Art.	Size	Shank	rpm max	Pack
MCG1020/06C	10 x 20 mm	6 mm	28640	25
MCG1520/06C	15 x 20 mm	6 mm	19000	25
MCG1540/06C	15 x 40 mm	6 mm	19000	25
MCG2030/06C	20 x 30 mm	6 mm	14320	25
MCG2540/06C	25 x 40 mm	6 mm	11460	25
MCG3040/06C	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	Ø 10 mm	6 mm	28640	25
MCG15/06S	Ø 15 mm	6 mm	19000	25
MCG20/06S	Ø 20 mm	6 mm	14320	25
MCG25/06S	Ø 25 mm	6 mm	11460	25
MCG30/06S	Ø 30 mm	6 mm	9540	25

MCG2050/06G
VITRIFIED MOUNTED POINTS

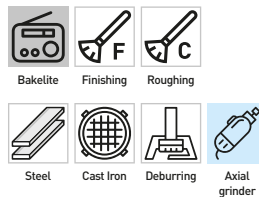
Ogive shape "G" suited for grinding and finishing small or hard to reach surfaces: unhardened steels, alloyed steels, cast iron.



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.



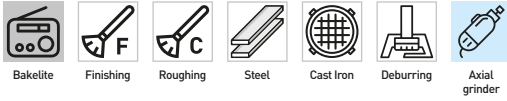
Art.	Size	Shank
MBG1030/06A	Ø 10 x 30 mm	6 mm
MBG1530/06A	Ø 15 x 30 mm	6 mm
MBG2020/06A	Ø 20 x 20 mm	6 mm
MBG2030/06A	Ø 20 x 30 mm	6 mm
MBG2040/06A	Ø 20 x 40 mm	6 mm
MBG2525/06A	Ø 25 x 25 mm	6 mm
MBG2535/06A	Ø 25 x 35 mm	6 mm
MBG3010/06A	Ø 30 x 10 mm	6 mm
MBG3030/06A	Ø 30 x 30 mm	6 mm
MBG4020/06A	Ø 40 x 20 mm	6 mm
MBG4035/06A	Ø 40 x 35 mm	6 mm
MBG5010/06A	Ø 50 x 10 mm	6 mm



MBGXC

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	Stem
MBG1540/06C	Ø 15 x 40 mm	6 mm
MBG2040/06C	Ø 20 x 40 mm	6 mm
MBG2535/06C	Ø 25 x 35 mm	6 mm

0816

SHARPENING STONE (SILICON CARBIDE)



SiC

Silicon carbide

Dimensions 200 x 50 x 25h mm

D100

PEN TYPE DIAMOND DRESSER

Natural type.



Diamond

Stem	Ø 10 mm
Length	48 mm
Carats	1

0163

MOUNTED GRINDING SET



10 Pcs

Stem Ø 3 - 6 mm

0817

SHARPENING STONE (ALUMINUM OXIDE)



AlOx

Corundum

Dimensions 200 x 50 x 25h mm

D100/S

PEN TYPE DIAMOND DRESSER

Sintetic type.



Diamond

Stem	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	Ø 115 mm	Ø 22,2 mm	5 mm	2.0	13300
D045/180	Ø 180 mm	Ø 22,2 mm	5 mm	2.4	8500
D045/230	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.



Art.	Diameter	Hole	Diamond height	Cut thickness	rpm max
D070/115	Ø 115 mm	Ø 22,2 mm	10 mm	1.3 mm	13300
D070/180	Ø 180 mm	Ø 22,2 mm	10 mm	1.6 mm	8500
D070/230	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.



Art.	Diameter	Hole	Diamond height	Cut thickness	rpm max
D060/115	Ø 115 mm	Ø 22,2 mm	10 mm	1.4 mm	13300
D060/180	Ø 180 mm	Ø 22,2 mm	10 mm	1.8 mm	8500
D060/230	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	Ø 115 mm	Ø 22,2 mm	7 mm	2.0 mm	13300
D059/180	Ø 180 mm	Ø 22,2 mm	7 mm	2.4 mm	8500
D059/230	Ø 230 mm	Ø 22,2 mm	7 mm	2.8 mm	6600


D055-
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	Ø 115 mm	Ø 22,2 mm	10 mm	9	1.9 mm	13300
D055/180	Ø 180 mm	Ø 22,2 mm	10 mm	14	2.2 mm	8500
D055/230	Ø 230 mm	Ø 22,2 mm	10 mm	18	2.6 mm	6600

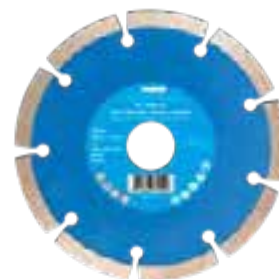


**D054-****SEGMENTED VENTILATED DIAMOND DISCS**

General use, for cutting concrete, marble, stone dry application.



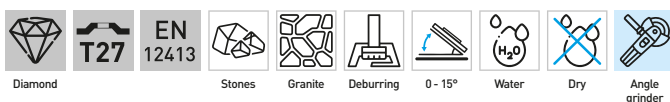
Art.	Diameter	Hole	Diamond height	Segments	Cut thickness	rpm max
D054/115	∅ 115 mm	∅ 22,2 mm	7 mm	9	2.0	13300
D054/180	∅ 180 mm	∅ 22,2 mm	7 mm	14	2.4	8500
D054/230	∅ 230 mm	∅ 22,2 mm	7 mm	18	2.8	6600

**0350****SUPER TURBO DIAMOND BLADE**

Dimensions	∅ 230 mm
Hole	∅ 22,2 mm

**0709****SUPER TURBO DIAMOND BLADE**

Dimensions	∅ 115 mm
Hole	∅ 22,2 mm

**0833****TURBO POLISHING DIAMOND CUP WHEEL FOR GRANITE AND STONE**

Dimensions	∅ 100 mm
Hole	∅ 22,2 mm

**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	∅ 115 mm	∅ 22,2 mm	8 + 8	13300
D040/180	∅ 180 mm	∅ 22,2 mm	14 + 14	8500










WORKSHOP FURNITURE

- p. 319  Modular furnishings
- p. 327  Workbenches
- p. 329  Cabinets
- p. 333  Tool rolling cabinets
- p. 337  Tool boxes



BENCH VICES, CLAMPS AND ANVILS

- p. 342  Bench vices
- p. 344  Vices
- p. 345  Anvils






MACHINERY FOR FINISHING

- p. 348  Sandblast cabinets
- p. 355  Cleaning tanks
- p. 358  Vacuum cleaners wet and dry
- p. 361  Marking



PRESSES AND HYDRAULIC PUMPS

- p. 365  Hydraulic presses
- p. 367  Manual presses
- p. 368  Hydraulic pump units









CAR AND MOTORCYCLE WORKSHOP

- p. 370  Trolley jacks and stands
- p. 372  Hydraulic cranes and engine stands
- p. 374  Oil collecting units
- p. 375  Winches
- p. 376  Motorcycle and quad lifts
- p. 378  Trolleys



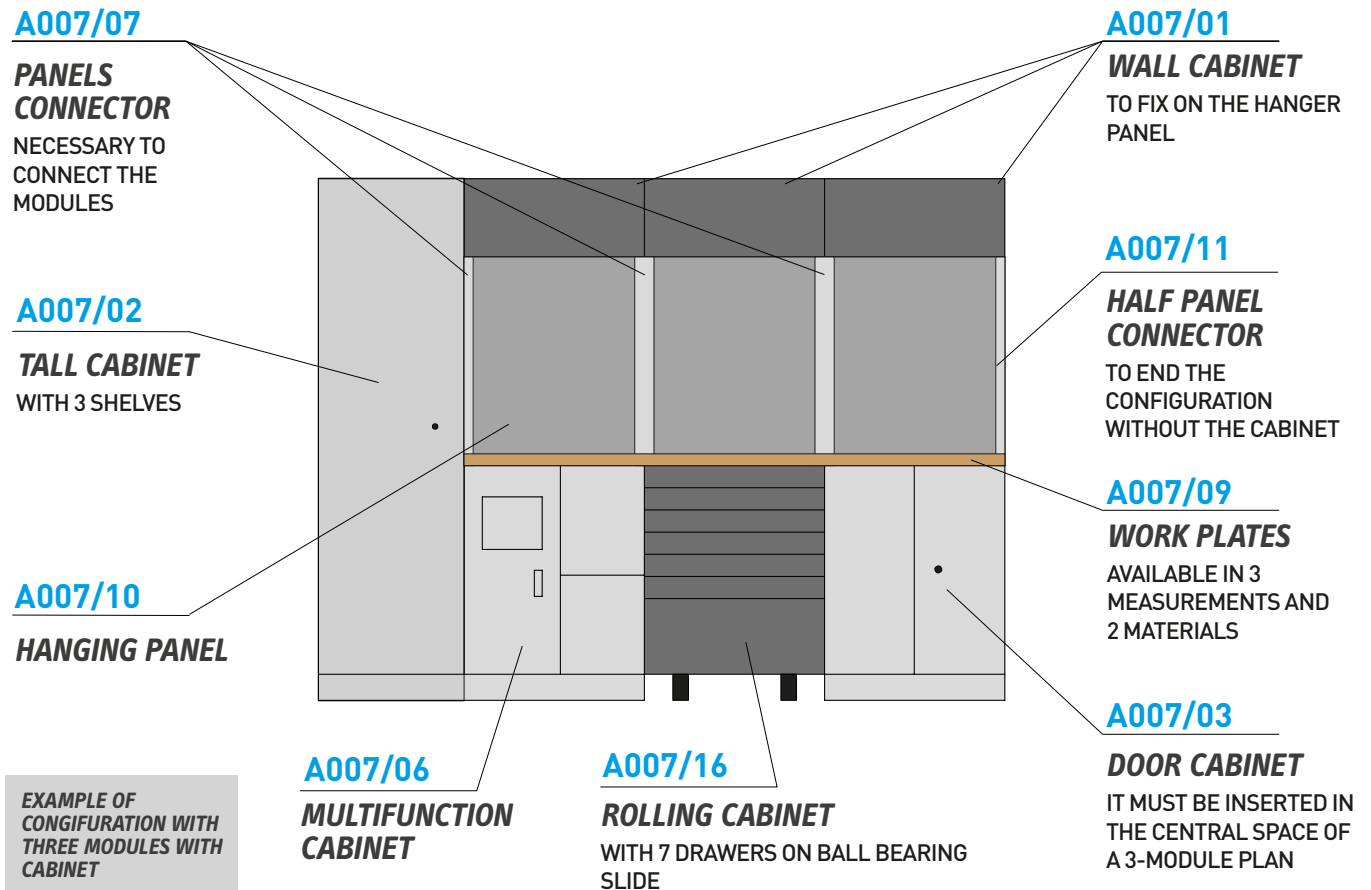
LIFTING AND HANDLING

- p. 379  Hydraulic jacks
- p. 380  Trolleys
- p. 383  Cable hoists
- p. 384  Lifting accessories
- p. 387  Winches and tensioners
- p. 388  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



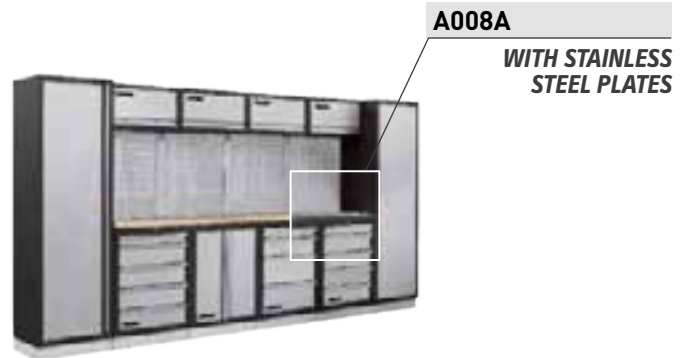
EXAMPLE OF CONFIGURATION WITH THREE MODULES WITH CABINET

A007A
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


A007B
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]

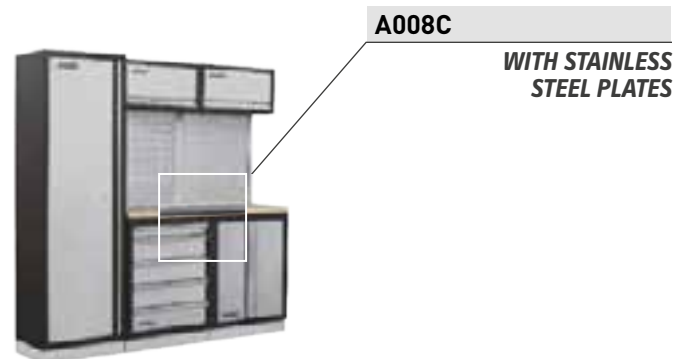
Dimensions 3920 x 498 x 2000h mm


A007C
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]

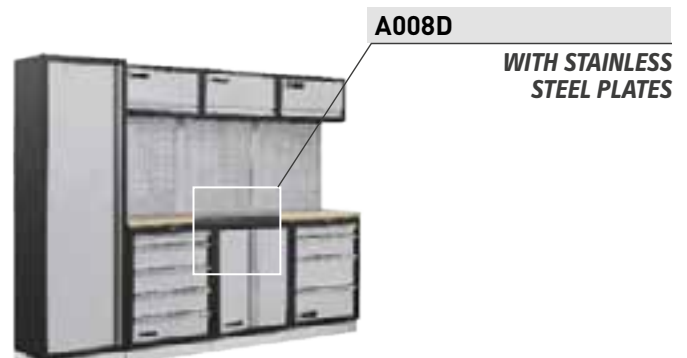
Dimensions 1960 x 498 x 2000h mm


A007D
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



A007E
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]

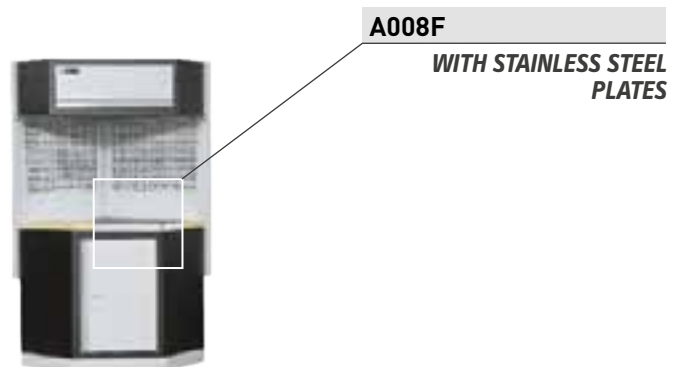
Dimensions 2640 x 498 x 2000h mm


A008E
WITH STAINLESS STEEL PLATES
A007F
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]

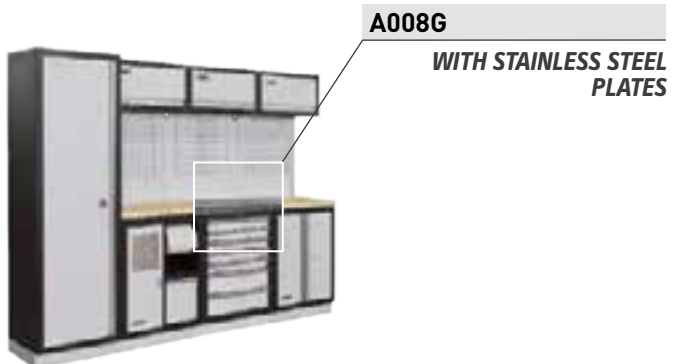
Dimensions 864 x 864 x 2000h mm


A008F
WITH STAINLESS STEEL PLATES
A007G
WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner.

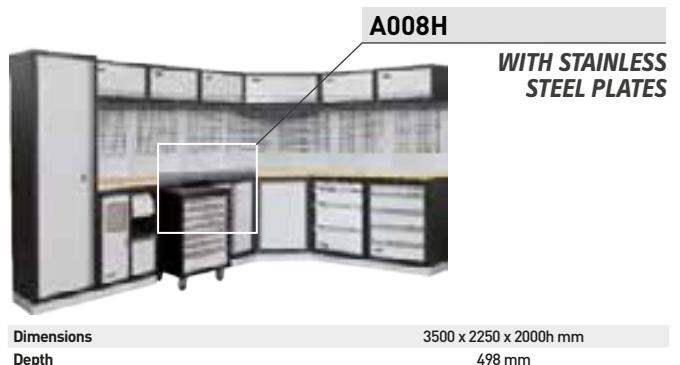
- 3 WALL CABINET WITH SPRING GAS [A007/01]
- 1 TALL CABINET WITH 3 SHELVES [A007/02]
- 1 DOOR CABINET WITH ONE SHELF [A007/03]
- 1 MULTIFUNCTION CABINET [A007/06]
- 3 PANELS CONNECTORS [A007/07]
- 1 WOOD PLATE [A007/09]
- 3 HANGING PANELS [A007/10]
- 1 HALF PANEL CONNECTOR [A007/11]
- 1 TOOL CABINETS WITH 7 DRAWERS ON BALL BEARING SLIDES [A007/1]

Dimensions 2640 x 498 x 2000h mm


A008G
WITH STAINLESS STEEL PLATES
A007H
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
WITH STAINLESS STEEL PLATES

Dimensions 3500 x 2250 x 2000h mm
Depth 498 mm



A007I

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

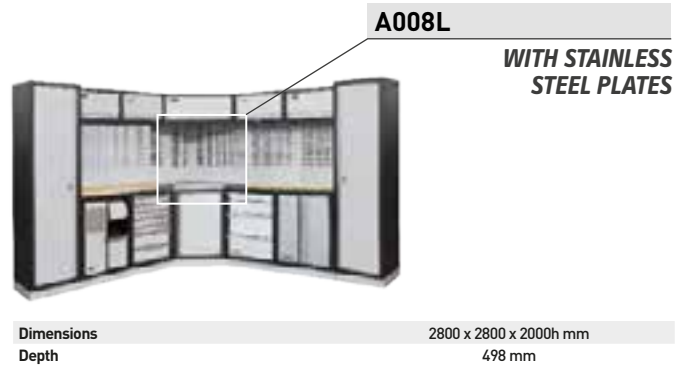


A007L

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]



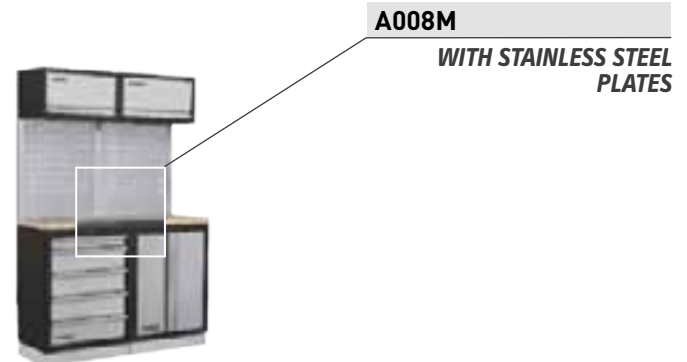
A007M

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



A007N

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



A007P
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

WITH STAINLESS STEEL PLATES


A007Q
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

WITH STAINLESS STEEL PLATES


A007R
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

WITH STAINLESS STEEL PLATES


A007S
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

WITH STAINLESS STEEL PLATES



A007T
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
WITH STAINLESS STEEL PLATES
A007U
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]

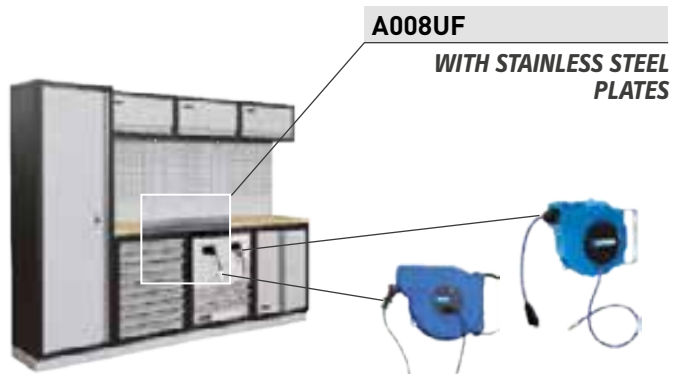
Dimensions 2640 x 498 x 2000h mm


A008U
WITH STAINLESS STEEL PLATES
A007UF
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]

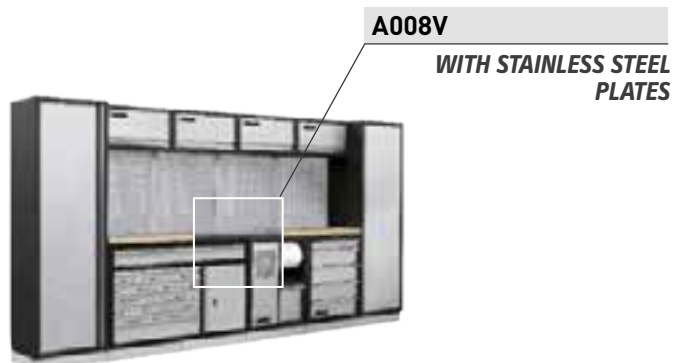
Dimensions 2640 x 498 x 2000h mm


A008UF
WITH STAINLESS STEEL PLATES
A007V
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
WITH STAINLESS STEEL PLATES

A007/02
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
2 DOOR TALL CABINET

With 5 shelves.



Dimensions	915 x 458 x 2000 mm
Door dimensions	510 x 1810 mm
Internal depth	410 mm
Maximum capacity	300 kg

A007/03
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
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
HOSE REELS CABINET


Dimensions	680 x 458 x 910 mm
Drawer capacity	30 kg

A007/04
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
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
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

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

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

A007/211

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

HANGING PANEL



Dimensions	1052 x 614,5 x 24 mm
Maximum capacity	10 kg

A007/22

TROLLEY

With 3 shelves.



Dimensions	648 x 458 x 865 mm
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A007/21

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

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

PANELS CONNECTOR



A007/11

HALF PANEL CONNECTOR



A007-xP
WORK PLATES

Art.	Module	Material	Dimensions	Thickness
A007/08	2	Wood	1360 x 460 mm	35 mm
A007/08I	2	Stainless steel	1360 x 460 mm	35 mm
A007/09	3	Wood	2040 x 460 mm	35 mm
A007/09I	3	Stainless steel	2040 x 460 mm	35 mm
A007/19	1	Wood	680 x 460 mm	35 mm
A007/19I	1	Stainless steel	680 x 460 mm	35 mm


A007/LED
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
LED LIGHT POWER SUPPLY


Box

P40VD
FOOTBOARDS

Mountable, green draining self locking footboard.



Polyprop.

Dimensions 400 x 400 x 48 mm
Pcs. - Pallet 120 = 20 m2

PSV-F
POLYPROPYLENE SLIDE

Mountable for footboards, green, female (without hooks).



Polyprop.

Dimensions 205 x 400 x 48 mm

PSV-M
POLYPROPYLENE SLIDE

Mountable for footboards, green, male (with hooks).



Polyprop.

Dimensions 205 x 400 x 48 mm

PAV
CORNER SLIDES

For mountable polypropylene footboards, kit of 4 green corner slides.



4 Pcs

Polyprop.

Dimensions 200 x 200 x 270 x 48 mm



B015

STEEL WORKBENCH KIT

With steel top and two lockable drawers.



UPGRADE

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

WORKBENCH KIT

With steel top and lockable drawer.



UPGRADE

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

WORKBENCH KIT

With wood press top and a lockable drawer.



UPGRADE

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

WORKBENCH KIT

With wood press top and 2 lockable drawers.



UPGRADE

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/C

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
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
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
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
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
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 1380 mm, total width for the product 1280 mm, depth of the open/close product 648/130 mm at a height of 330 mm, auto-lock with handle in the corner of top plate, peg board with holes Ø 4 mm, distance between centers holes 25 mm for hooks with wire Ø 3 mm.



Plate Dimensions	1195 x 648 x 41 mm
Slot distance	25 mm
Capacity	225 kg
Net weight	45 kg

B019/G030
HOOK SET


10 Pcs

Length	30 mm
Pins center distance	25 mm


Gx
HOOKS SET


10 Pcs

Art.	Pins center distance	Length
G050	30 mm	80 mm
G130	30 mm	155 mm

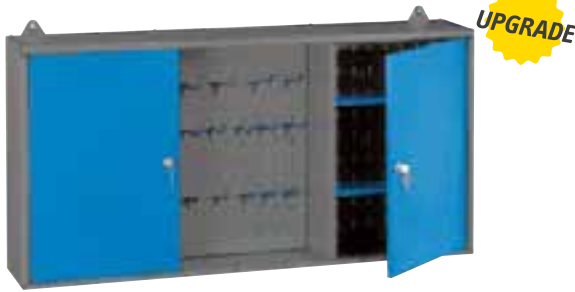




P009

WALLCABINET KIT

With 18 hooks included.



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

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

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

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

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

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-
"A" DRAWER DIVIDERS

Example dividers setting.



10 Pcs

Art.	Longitudinal divider	Transversal divider
C800/CC	440 x 70h mm	-
C800/LL	-	517 x 70h mm


C600-
"B" DRAWER DIVIDERS

Example dividers setting.



10 Pcs

Art.	Longitudinal divider	Transversal divider
C600/C	440 x 110h mm	-
C600/L	-	120 x 110h mm


C603-
"C" DRAWER DIVIDERS

Example dividers setting.



10 Pcs

Art.	Longitudinal divider	Transversal divider
C603/C	440 x 165h mm	-
C603/L	-	120 x 165h mm


C080-
DRAWER UNITS WITH TRANSPARENT PULL-OUT DRAWERS

Modular and stackable



Art.	External Dimensions	Drawer dimensions	Drawers number
C080/3	382 x 290 x 230h mm	372 x 285 x 73h mm	3
C080/6	382 x 290 x 230h mm	184 x 285 x 73h mm	6
C080/9	382 x 290 x 230h mm	122 x 285 x 73h mm	9

C700
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	382 x 148 x 230h mm	122 x 145 x 55h mm	12
C085/16	382 x 148 x 230h mm	90 x 145 x 55h mm	16
C085/24	382 x 148 x 230h mm	59 x 145 x 55h mm	24



C086/01C

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

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

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

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

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

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

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

DIVIDER KIT FOR MODULAR DRAWER UNIT



Dimensions	111 x 63 mm
Pack	5



C086/12C/D

DIVIDER KIT FOR MODULAR DRAWER UNIT



Dimensions	49.5 x 41 mm
Pack	5



C090-
UNIVERSAL STORAGE BIN

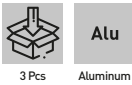
Modular and stackable.



Art.	Dimensions
C090/2	108 x 167 x 75h mm
C090/3	151 x 237 x 126h mm
C090/4	213 x 350 x 164h mm
C090/5	310 x 490 x 190h mm
C090/6	380 x 610 x 250h mm

0849
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

0382-
ALUMINUM CASE

With key lock.



Art.	External Dimensions	Internal dimensions	Net weight
0382	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	760 x 335 x 250h mm	745 x 310 x 225h mm	6 kg
0382/03	1240 x 385 x 385h mm	1185 x 335 x 365h mm	14 kg
0382/04	1445 x 520 x 460h mm	1405 x 435 x 440h mm	21 kg

C087
TOOL ROLLING CABINET

Separable into 3 pieces.



Dimensions	560 x 350 x 770h mm
Capacity	40 kg
Net weight	14 kg

0363-
3 PCS STEEL CASE SET

Padlockable.



Art.	External Dimensions	Internal dimensions	Net weight
0363	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 410h mm, 1130 x 520 x 550h mm	107 kg
0363/30	770x420x305h mm	750 x 400 x 300h mm	14,5 kg
0363/36	915 x 440 x 565h mm	825 x 350 x 410h mm	35 kg
0363/48	1220 x 620 x 700h mm	1130 x 520 x 550h mm	57 kg



C900/B
TOOL ROLLING CABINET

Side handle, polypropylene foam worktop, 6 drawers with internal oil-resistant mat, mounted on telescopic ball-bearing slides, front central locking supplied with 2 foldable keys, 2 fixed and 2 swivel casters with foot-operated brake, made of shockproof and non-slip thermoplastic rubber.

UPGRADE



C900/A
TOOL CHEST

Can be combined with trolley carts. Retractable side handles, 6 drawers, mounted on telescopic ball-bearing slides, removable tray, and front central locking with 2 foldable keys.

UPGRADE



Dimensions	661 x 309 x 363h mm
Drawer dimensions	3: 174 x 267 x 45h mm 2: 578 x 267 x 45h mm 1: 578 x 267 x 60h mm
Compartment dimensions	655 x 250 x 80h mm
Drawer capacity	25 kg
Net weight	20 kg

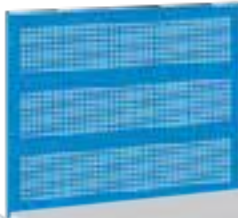
Dimensions	744 x 461 x 964h mm
Drawer dimensions	569 x 406 mm
Drawers height	4 x 45 mm - 1 x 145 mm - 1 x 225 mm
Drawer capacity	25 kg
Net weight	44 kg

DETAILS MAKE THE DIFFERENCE

We thought about meeting your needs. How? By taking care of the details and the choice of optionals, making the tool rolling cabinet your personal product to work easily and smoothly every day. So, the new FERVI rolling cabinets were born. Simple and easy to set up, thanks to the compliant list of accessories for all different models.

Set it up according to your needs. Our goal is to get you the tool rolling cabinet you dream, not just any rolling cabinet!

C960/PF NEW
PERFORATED HANGING PANEL



Dimensions	678 x 535 x 25h mm
Working table dimensions	678 x 535 mm
Hole diameter	Ø 5 mm
Slot distance	15 mm

C960/PL NEW
LAMINATED WORK TOP



Plate Dimensions	670 x 454 mm
Plate thickness	9 mm

C960/MP NEW
FOLDING SHELF



Dimensioni	338 x 261 x 35h mm
Steel thickness	1,50 mm



C960/PC NEW
PAPER ROLL HOLDER



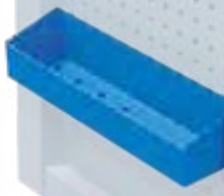
Dimensions	386 x 167 mm
Hose diameter	15 mm
Max. roll diameter	280 mm

C960/PD NEW
DOCUMENT HOLDER



Internal dimensions	270 x 60 x 330h mm
Steel thickness	2 mm

C960/PG NEW
SCREWDRIVER HOLDER



Dimensions	330 x 76 x 88h mm
Drawer dimensions	328 x 75 x 75h mm
Hole diameter	8 x Ø 8,5 mm



C960/F6

TOOL ROLLING CABINET WITH 6 DRAWERS

Side handle, polypropylene foam worktop, steel sheet body with impact protection bumpers and perforated side panels, 6 full-extension drawers with with oil-resistant mats, mounted on telescopic ball bearing slides, anti-tip device, side central locking supplied with 2 folding keys, 2 fixed and 2 swivel casters with brakes. Optional accessories: screwdriver holder, document holder, shelf, paper roll holder, rear pegboard and laminated top.

Dimensions	770 x 460 x 985h mm
Drawer dimensions	566 x 405 mm
Drawers height	4 x 68 mm - 1 x 147 mm - 1 x 199 mm
Drawer capacity	5 x 25 kg - 1 x 40 kg
Slot distance	15 mm
Hole diameter	Ø 5 mm
Net weight	55 kg



C960/F7

TOOL ROLLING CABINET WITH 7 DRAWERS

Side handle, polypropylene foam worktop, steel sheet body with impact protection bumpers and perforated side panels, 7 full-extension drawers with with oil-resistant mats, mounted on telescopic ball bearing slides, anti-tip device, front central locking supplied with 2 folding keys, 2 fixed and 2 swivel casters with brakes. Optional accessories: screwdriver holder, document holder, shelf, paper roll holder, rear pegboard and laminated top.

Dimensions	770 x 460 x 985h mm
Drawer dimensions	566 x 405 mm
Drawers height	6 x 68 mm - 1 x 199 mm
Drawer capacity	6 x 25 kg - 1 x 40 kg
Slot distance	15 mm
Hole diameter	Ø 5 mm
Net weight	58 kg



C960/F8

TOOL ROLLING CABINET WITH 8 DRAWERS

Side handle, polypropylene foam worktop, steel sheet body with impact protection bumpers and perforated side panels, 8 full-extension drawers with with oil-resistant mats, mounted on telescopic ball bearing slides, anti-tip device, front central locking supplied with 2 folding keys, 2 fixed and 2 swivel casters with brakes. Optional accessories: screwdriver holder, document holder, shelf, paper roll holder, rear pegboard and laminated top.

Dimensions	770 x 460 x 985h mm
Drawer dimensions	566 x 405 mm
Drawers height	7 x 68 mm - 1 x 120 mm
Drawer capacity	25 kg
Slot distance	15 mm
Hole diameter	Ø 5 mm
Net weight	60 kg



C980
TOOL ROLLING CABINET

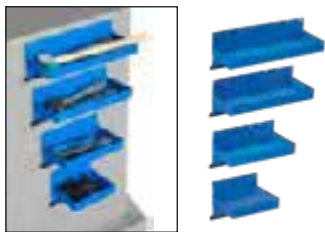
7 drawers, with 2 side storage compartments, ball bearing equipped drawers with central lock, 12 hooks and 10 plastic bins included, 2 swivel and 2 fixed casters.



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


0466/4V
MAGNETIC TOOL TRAY SET

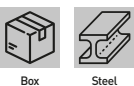
Made of painted steel, to organize the best working place.



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
MAGNETIC SOCKETS HOLDER

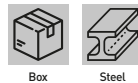
Made of painted steel, to organize the best working place.



Overall dimensions	280 x 45 x 90h mm
Sockets sizes	1/4" - 3/8" - 1/2"
Steel thickness	0,9 mm

0466/CV
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
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



0323/45

TOOL CHEST

With 5 trays.



Steel

Dimensions 450 x 200 x 205 h mm
Net weight 4 kg

0323/55

TOOL CHEST

With 5 trays.



Steel

Dimensions 550 x 210 x 205h mm
Net weight 4,5 kg

0423/1

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.



Steel

Plastic

Dimensions 334 x 240 x 45 mm

0423/2

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.



Steel

Plastic

Dimensions 388 x 295 x 45 mm

0422-

POLYPROPYLENE BLISTER SET

Useful for storing small items such as screws, bolts, nuts, small hooks, nails



20 Pcs

Plastic

Art.	Dimensions
0422/B1	65 x 47 x 30 mm
0422/B3	75 x 60 x 40 mm

C315

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

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

TOOL BOX

With 23 compartments and 16 removable dividers.



Box

Plastic



made in Italy

Dimensions 443 x 317 x 80h mm

C371

TOOL BOX

With removable 2 big trays, 3 medium trays, 6 small trays.

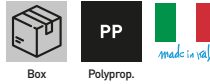


Dimensions 443 x 317 x 107h mm

C163

TOOL-BOX

16", lockable, with 1 movable shelf and 2 compartments for motion work in the lid.



Dimensions 394 x 160 x 195h mm

C165

TOOL-BOX

20", with 1 movable shelf and 2 compartments for motion work in the lid.



Dimensions 514 x 225 x 260h mm

C648

TOOL BOX

With movable shelf.



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	465 x 360 x 175h mm	425 x 287 x 115h mm	2,9 kg
M139	570 x 410 x 215h mm	505 x 353 x 140h mm	4,5 kg

M138



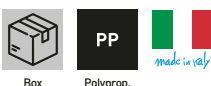
M139



M300/B

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	Working temperature	-30 / 90°C (-22 / 194°F)
Internal dimensions	300 x 225 x 132 mm	Net weight	1,6 kg
Internal volume	8.91 l		

M430/B

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	Working temperature	-30 / 90°C (-22 / 194°F)
Internal dimensions	426 x 290 x 159 mm	Net weight	2,8 kg
Internal volume	19.64 l		



M505/B

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 applications.



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

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

ABS TOOL CASE

Tools not included.



A	460 mm
B	330 mm
C	150 mm
D	98 mm
E	52 mm
Capacity	25 kg
Net weight	2,9 kg

0683

TROLLEY ABS TOOL CASE

Tools not included.



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	510 mm	375 mm	185 mm	110 mm	75 mm	30 kg	5 kg
0681	440 mm	390 mm	185 mm	110 mm	75 mm	30 kg	4,8 kg



0901

NEW

MULTIFUNCTIONAL BACKPACK

Made of 600-denier polyester, with breathable back, removable tool holder, padded computer pocket, roomy and sturdy pockets to accommodate a large number of tools.



Polyester

External Dimensions	380 x 130 x 460 mm
Net weight	1,25 kg

0907

NEW

SEMI-SOFT TOOL TROLLEY

Tool trolley made of 600-denier polyester, sturdy telescoping handle for excellent handling, convenient front strap opening, multiple roomy and sturdy pockets.



Polyester

Dimensions	390 x 290 x 390 mm
Net weight	3,1 Kg

0902

NEW

SOFT TOOL BAG

Made of 600-denier polyester, with comfortable shoulder strap, roomy and sturdy pockets to accommodate a large number of tools.



Polyester

Dimensions	370 x 203 x 254 mm
Net weight	1,25 Kg

0903

NEW

SOFT TOOL BAG

Made of 600-denier polyester, with comfortable shoulder strap, roomy and sturdy pockets to accommodate a large number of tools.



Polyester

Dimensions	450 x 280 x 220 mm
Net weight	2,05 Kg

0904

NEW

SEMI-SOFT TOOL BAG

Made of 600-denier polyester, with rigid handle for easy handling, comfortable shoulder strap, capacious and sturdy pockets.



Polyester

Dimensions	406 x 203x 254 mm
Net weight	1,3 Kg



0905

NEW

SEMI-SOFT TOOL BAG

Made of 600-denier polyester, with rigid handle for easy handling, comfortable shoulder strap, capacious and sturdy pockets.



Polyester

Dimensions 450 x 228 x 280 mm
Net weight 2,3 Kg

0906

NEW

SEMI-SOFT TOOL BAG

Made of 600-denier polyester, with rigid handle for easy handling, comfortable shoulder strap, capacious and sturdy pockets.



Polyester

Dimensions 450 x 228 x 330 mm
Net weight 1,6 Kg

0390

TOOL BAG

With shoulder belt made of 1680 denier polyester, big and rugged pockets to accommodate a great number of tools



Polyester

Pockets 14
Dimensions 400 x 225 x 250h mm

0409

TOOL BAG

10 pockets with belt, made of polyester. It can be used to hold small tester, pliers, scissors, screwdrivers and other tools.



Polyester

Dimensions 250 x 210 x 70 mm

0254

FITTER TOOL BAG

Leather with belt.



Pockets 5

0264

FITTER TOOL BAG

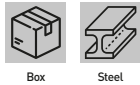
Leather with belt.



Pockets 11

0036-
STEEL VICE

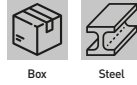
Lateral sliding adjustment.



Art.	Jaws	Opening	Working height	Slot distance	Net weight
0036/100	100 mm	105 mm	60 mm	85 mm	4,9 kg
0036/125	125 mm	138 mm	75 mm	110 mm	9,5 kg
0036/150	150 mm	180 mm	90 mm	150 mm	19 kg

0036-xG
TABLE VICE WITH SWIVEL BASE

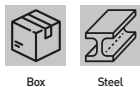
Lateral sliding adjustment. Equipped with swivel mechanism.



Art.	Jaws	Opening	Net weight
0036/100G	100 mm	105 mm	5,5 kg
0036/125G	125 mm	124 mm	11 kg
0036/150G	150 mm	180 mm	22 kg

0135-
FORGED STEEL VICE

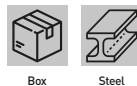
Lateral sliding adjustment.



Art.	Jaws	Opening	Working height	Slot distance	Net weight
0135/100	100 mm	125 mm	60 mm	98 mm	5,8 kg
0135/125	125 mm	160 mm	70 mm	111 mm	9,8 kg
0135/150	150 mm	190 mm	85 mm	136 mm	17,8 kg

0140-
STEEL VICE

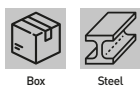
Lateral sliding adjustment. Equipped with hose clamp. Recommended for heavy use.



Art.	Jaws	Opening	Working height	Slot distance	Net weight
0140/080	80 mm	80 mm	60 mm	80 mm	4 kg
0140/100	100 mm	100 mm	65 mm	80 mm	5,5 kg
0140/125	125 mm	125 mm	90 mm	100 mm	10 kg
0140/150	150 mm	150 mm	95 mm	125 mm	14 kg

0591-
STEEL VICE

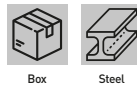
Lateral sliding adjustment. Equipped with bearing on the screw, hose clamp and interchangeable jaws.



Art.	Jaws	Opening	Net weight
0591/100	100 mm	95 mm	5,3 kg
0591/125	125 mm	130 mm	11 kg

0145-
STEEL VICE

Equipped with hose clamp.



Art.	Jaws	Opening	Working height	Slot distance	Net weight
0145/80	80 x 20 mm	80 mm	58 mm	80 mm	3,7 kg
0145/100	100 x 20 mm	100 mm	70 mm	80 mm	5,2 kg
0145/125	125 x 20 mm	125 mm	75 mm	100 mm	7,4 kg
0145/150	150 x 27 mm	150 mm	95 mm	120 mm	12 kg

0174-
SG IRON BENCH VICE

Equipped with interchangeable jaws.



Art.	Jaws	Opening	Working height	Slot distance	Net weight
0174/100	100 x 20 mm	100 mm	50 mm	85 mm	4,8 kg
0174/125	125 x 22 mm	130 mm	60 mm	95 mm	7,7 kg
0174/150	150 x 22 mm	150 mm	60 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	80 mm	80 mm	6,5 kg
0427/100	100 mm	100 mm	10 kg
0427/125	135 mm	125 mm	12 kg

0146/60

STEEL VICE WITH SWIVEL BASE



Cast Iron

Jaws	60 mm
Opening	60 mm
Clamp capacity	51 mm
Net weight	1,5 kg

0042-

ALUMINUM MAGNETIC JAW COUPLE

Ribbed with grooves.



2 Pcs

Alu

Aluminum

Art.	Jaws	Height	Thickness
0042/100	100 mm	28 mm	7.5 mm
0042/125	125 mm	28.5 mm	7.5 mm
0042/150	150 mm	28.5 mm	7.5 mm

0520-xG

ALUMINIUM MAGNETIC JAW PAIR WITH RUBBER FACE

With durable rubber.



2 Pcs



Blister

Alu

Aluminum

Art.	Length	Height	Thickness
0520/100G	100 mm	28,7 mm	10,0 mm
0520/125G	125 mm	28,7 mm	10,0 mm
0520/150G	150 mm	28,7 mm	10,0 mm

0520-xA

ALUMINIUM MAGNETIC JAW PAIR

Ribbed with grooves.



2 Pcs



Blister

Alu

Aluminum

Art.	Length	Height	Thickness
0520/100A	100 mm	28,3 mm	8,9 mm
0520/125A	125 mm	28,3 mm	8,9 mm
0520/150A	150 mm	28,3 mm	8,9 mm

0520-xP

PRISMATIC MAGNETIC JAW PAIR

With trapezoidal jaws.



2 Pcs



Blister

Alu

Aluminum

Art.	Length	Height	Thickness
0520/100P	100 mm	28,5 mm	9,8 mm
0520/125P	125 mm	28,5 mm	9,8 mm
0520/150P	150 mm	28,5 mm	9,8 mm

0520-xF

MAGNETIC JAW PAIR WITH FIBER FACE

With strong fiber.



2 Pcs



Blister

Alu

Aluminum

Art.	Length	Height	Thickness
0520/100F	100 mm	28,7 mm	10,3 mm
0520/125F	125 mm	28,7 mm	10,3 mm
0520/150F	150 mm	28,7 mm	10,3 mm

0520-xS

SERIES OF ALUMINIUM MAGNETIC JAW PAIRS

Includes the items 0520-xA, 0520-xF, 0520-xG, 0520-xP.



8 Pcs



Blister

Alu

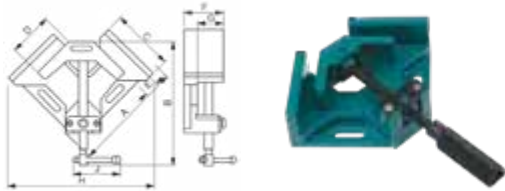
Aluminum

Art.	Length
0520/100S	100 mm
0520/125S	125 mm
0520/150S	150 mm



0205
SPECIAL VICE FOR 90° WELDING

Adjustable jaw.


Alu
Aluminum


Capacity	70 mm + 70 mm
Working height	35 mm
A	150 mm
B	Min 250 mm - Max 345 mm
C	97 mm
D	60 mm
E	70 mm
F	55 mm
G	49 mm
H	217 mm
J	92 mm

0205/120
SPECIAL VICE FOR 90° WELDING

Adjustable jaw.




Capacity	110 mm + 110 mm
Working height	60 mm
A	257 mm
B	Min 290 mm - Max 458 mm
C	135 mm
D	109 mm
E	126 mm
F	90 mm
G	77 mm
H	340 mm
J	112 mm

M006-
GENERAL USE STEEL CLAMP WITH T-SPINDLE



Art.	Span x Depth	Spindle	Maximum torque
M006/200	200 x 120 mm	22 x 10,5 mm	550 kg
M006/300	300 x 140 mm	25 x 12 mm	600 kg
M006/400	420 x 120 mm	25 x 12 mm	650 kg
M006/500	500 x 120 mm	25 x 12 mm	650 kg
M006/600	600 x 120 mm	25 x 12 mm	650 kg
M006/800	800 x 120 mm	25 x 12 mm	650 kg
M006/1000	1000 x 120 mm	25 x 12 mm	650 kg

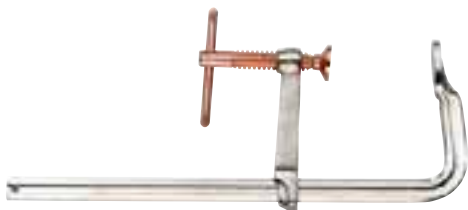
M007-
GENERAL USE STEEL CLAMP RATCHET

Quick clamping.




Art.	Span x Depth	Spindle
M007/250	250 x 120 mm	22 x 10,5 mm
M007/300	300 x 140 mm	25 x 12 mm
M007/400	400 x 120 mm	25 x 12 mm
M007/500	500 x 120 mm	25 x 12 mm
M007/600	600 x 120 mm	25 x 12 mm

M018-
GENERAL USE STEEL CLAMP WITH T-SPINDLE



Art.	Span x Depth	Spindle
M018/0200	200 x 100 mm	19 x 9,5 mm
M018/0300	300 x 100 mm	19 x 9,5 mm
M018/0400	400 x 120 mm	21,5 x 10,5 mm
M018/0500	500 x 120 mm	21,5 x 10,5 mm
M018/0600	600 x 120 mm	21,5 x 10,5 mm
M018/0800	800 x 120 mm	21,5 x 10,5 mm
M018/1000	1000 x 120 mm	21,5 x 10,5 mm
M018/1200	1200 x 120 mm	21,5 x 10,5 mm

0167-
WOOD HANDLE CLAMP

Alu
Aluminum


Art.	Span x Depth
0167/150	150 x 50 mm
0167/200	200 x 80 mm
0167/250	250 x 100 mm
0167/400	400 x 100 mm
0167/500	500 x 120 mm

0394-
QUICK ADJUSTABLE CLAMP



ABS

Art.	Span x Depth	Spindle	Maximum torque
0394/150	150 x 63 mm	18 x 5,5 mm	60 kg
0394/300	300 x 63 mm	18 x 5,5 mm	60 kg
0394/450	450 x 63 mm	18 x 5,5 mm	60 kg
0394/600	600 x 63 mm	18 x 5,5 mm	60 kg

0353/085
POLYPROPYLENE SPRING CLAMPS SET

Length 85 mm, useful in the laboratory to facilitate the gluings and similar works.



12 Pcs
 Hangable
 PP
Polyprop.

Length	85 mm
Opening	35 mm

035x
SPRING CLAMP

Useful in the laboratory to facilitate the gluings and similar works.



Hangable
 Nylon

Art.	Length	Opening
0353/150	150 mm	55 mm
0354/225	225 mm	100 mm

0250
4-WAY CLAMPING SYSTEM

Provided in assembly kit, for doors or wooden tables (wood strips not included).



Box
 Plastic

Max thickness	150 mm
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0353/110
POLYPROPYLENE SPRING CLAMPS SET

110 mm longs, useful in the laboratory to facilitate the gluings and similar works.



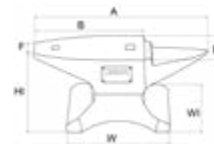
8 Pcs
 Hangable
 PP
Polyprop.

Length	110 mm
Opening	40 mm

0265/05
CAST IRON ANVIL

Sturdy construction, round hole and square hole for punching and bending

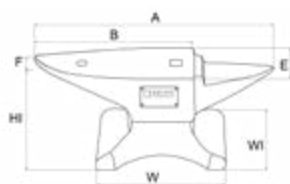
Box
 Cast Iron



A	230 mm	WI	85 mm
B	160 mm	HI	95 mm
E	57 mm	Tolerance	±5%
F	10,5 mm	Net weight	5 kg
W	112 mm		

0157-
C50 HARDENED STEEL ANVIL

Sturdy construction, round hole and square hole for punching and bending.



Box
 C50



Art.	A	B	E	W	WI	HI	Tolerance	Net weight
0157/10	345 mm	235 mm	80 mm	150 mm	100 mm	120 mm	±5%	10 kg
0157/30	535 mm	360 mm	110 mm	215 mm	150 mm	160 mm	±5%	30 kg
0157/50	620 mm	410 mm	140 mm	240 mm	175 mm	190 mm	±5%	50 kg
0157/100	805 mm	520 mm	175 mm	315 mm	230 mm	240 mm	±5%	100 kg

WHAT'S SANDBLASTING?

Sandblasting is an industrial process of surface cleaning that takes place through the mechanical force of the abrasive material pushed by a jet of air. The sand acts by scratching and penetration: the abrasive material mixes with the compressed air jet and works mechanically on the workpiece. This mixture, passing through the nozzle, accelerates. This brings its speed to a level useful to carry out the required abrasive action.



Sandblasting for paint stripping



Sandblasting with glass balls (shot peening)

TYPES OF SANDBLASTERS

There are 2 types of sandblasters available: vacuum sandblasting cabin and pressure sandblasting cabin. Each has different characteristics based on the use needed by the end user. Sandblasters are equipped with interchangeable nozzles to better adapt them to the material to be treated: on soft materials it is recommended to choose a large nozzle that allows for a high flow rate of the abrasive/air mixture at a low speed. However, for hard materials - or very thick pieces - it is recommended to choose a small nozzle that allows for a higher mixture speed at a lower flow rate.



VACUUM SANDBLASTING CABIN

Ideal for small/medium sized metal objects to be sandblasted. It exploits the "Venturi principle" which allows sand to be sucked from a container and mixed with compressed air.

- PROS**
- Lower air consumption
 - Lower abrasive wear
 - Reduced maintenance

- CONS**
- Lower processing yields
 - Longer processing times



PRESSURE SANDBLASTING CABIN

Unlike the vacuum system, the pressure cabin pushes down the air and abrasive, projecting the mixture of these components into a single solution. The jet is thus more powerful and more effective.

- PROS**
- High processing efficiency
 - Reduced processing times
 - Possibility of adjusting the air/abrasive mixture

- CONS**
- Higher air consumption
 - Increased maintenance
 - Higher abrasive wear due to higher jet power

HOW TO CHOOSE THE ABRASIVE

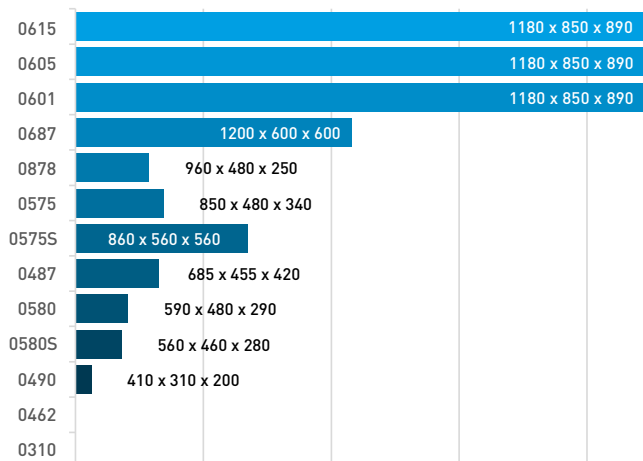
The choice of abrasive for sandblasters is frequently dictated by experience and ease of use. In fact, Sandblasting with manual machines is a process characterised by many variables at play. Furthermore, in order to achieve an optimal result, the operator must try to find the right balance. Here are 5 good rules for the optimal choice of abrasive:

<p>1) Always use the least aggressive abrasive possible that can do the job required. There is no point in using a very aggressive abrasive and then having to do an additional finishing process. You can always add a harder abrasive. However, undo the work of an overly hard abrasive requires a bigger effort.</p>	
<p>2) Glass is shiny, but it also makes surfaces shine: if you need a shiny look, glass microbeads are a great place to start. They are a fantastic finish and will leave your surfaces smooth and shiny.</p>	
<p>3) Corundum removes paint: is it necessary to remove paint from an object? With its hard, angular structure and reusability, corundum is the right abrasive. Alternatively you can use Garnet, a natural, environmentally friendly and cheaper abrasive.</p>	
<p>4) For fast and aggressive work, use silicon carbide. It is the toughest abrasive on the market. It makes quick work of etching and removing unwanted rust and paint.</p>	
<p>5) Steel microspheres are suitable for shot peening, polishing and paint removal. Carefully evaluate because this type of abrasive in contact with the object to be machined changes its mechanical structure. This type of abrasive is suitable for industrial sandblasters.</p>	

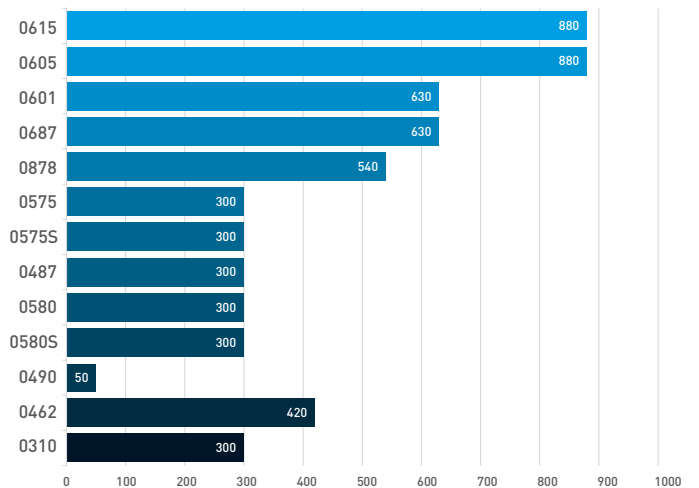
SANDERS



Internal dimensions (mm)



Air consumption (l/min)



0615
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
PRESSURE 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
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

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

0575

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

0878

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

0575S

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
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
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
BENCH SANDBLAST CABINET

With provision for the connection of a vacuum cleaner, lighting with low consumption lamp, gun and gloves.



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
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	50 Hz, 6 W 12 V
Overall dimensions	475 x 370 x 370 h mm
Net weight	12 kg
Internal volume	32 L
Opening size	420 x 260 mm

0462

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	150 kg	580 mm	920 x580 x1070h mm	43,5 kg
SA01/CTR2	150 kg	580 mm	920 x580 x1335h mm	45 kg

SA01/C

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

SODA BLASTER

For external use, light weight, easy to carry, indicated for the removal of paints, rust, graffiti etc ..

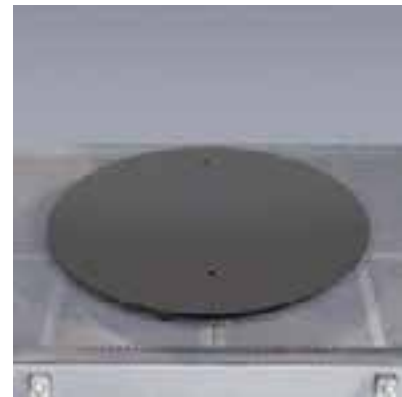


Overall dimensions	350 x 400 x 788 h mm
Capacity	18 l
Working pressure	2.5 ÷ 6.2 bar
Air consumption	8 ÷ 10 SCFM (240 ÷ 300 l / min)
Gun nozzle	Ø 2 - 3 mm
Net weight	13 kg

SA01/TR

ROTARY TABLE

For sandblast cabinet.



Diameter	380 mm
Overall dimensions	380 x 43h mm
Net weight	7 kg

SA01/A

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	36	9 Mohs	25 kg
0582/80	80	9 Mohs	25 kg

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	36	9.1 Mohs	25 kg
0578/80	80	9.1 Mohs	25 kg

0579-
GARNET

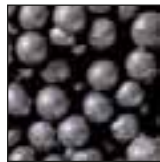
Garnet is one of the last natural abrasives still in use. It is a natural stone, and therefore ecological, with excellent abrasive properties that allows you to create profiles without abrasive incorporation, produce little dust and have a relatively low consumption. It is excellent for removing hard 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	36 ÷ 60	7.5 Mohs	25 kg
0579/80	80	7.5 Mohs	25 kg

0569
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
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
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

PAIR OF GLOVES



Gloves diameter 100 mm

05x

PAIR OF GLOVES

Soft and comfortable.



Art.	Length	Gloves diameter
0575/29	600 mm	180 mm
0580/21	450 mm	145 mm

0490/03

WINDOW PROTECTION SET

For sandblasters.



5 Pcs

0601/24

WINDOW PROTECTION SET

For sandblasters, 670 x 300 mm.



5 Pcs

Size 670 x 300 mm

0601/30

LAMP PROTECTION SET

For sandblasters, 900 x 260 mm.



5 Pcs

Size 900 x 260 mm

0687/005

LAMP PROTECTION SET

For sandblasters, 600 x 100 mm.



10 Pcs

Size 600 x 100 mm

0575/04

WINDOW PROTECTION SET

For sandblasters, 550 x 250 mm.



10 Pcs

Size 550 x 250 mm

0580/01-6

WINDOW PROTECTION SET

For sandblasters, 400 x 300 mm.



5 Pcs

Size 400 x 300 mm

SA01/F

CYCLONE FILTER

HEPA material.



Diameter 320 mm
Height 600 mm

0687/029

SANDBLAST CYCLON



Diameter 170 mm
Height 305 mm

0687/041

SANDBLAST GUN

For sandblaster 0687.



0290

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	< 70 dB(A)
Vibrations	< 2.5 m/s ²
Working pressure	0.6 MPa

0577/17

FIXED GUN



U003

BORON CARBIDE NOZZLE

For sand blast cabinet, long life.



Nozzle diameter Ø 7,5 mm

U004

COMPOSITE NOZZLE

For sand blast cabinet, long life.



0490/20

CERAMIC NOZZLE SET



Nozzle diameter Ø 3,5 mm

0462/55

CERAMIC NOZZLE SET



Nozzle diameter Ø 7,5 mm

0575/0580/12

CERAMIC NOZZLE SET

4 pcs, diameter Ø 4,5,6,7 mm.



Nozzle diameter Ø 4 - 5 - 6 - 7 mm

0687/102

CERAMIC NOZZLE SET



Nozzle diameter Ø 6 - 7 mm

0305
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
PARTS WASHER WITH DUAL PUMP

150 l capacity, with 26 W pump, cleaning brush and hose, workpiece tray.



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
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
DEGREASER CLEANING TANK

75 l capacity, with 26 W 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
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

0392
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

0233
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
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

0211
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

0632/01
PARTS WASHER BRUSH

Not suitable for hydrocarbon based products.



Length	280 mm
Diameter	35 mm
Shank	20 mm x Ø10 mm

0305/0203/1118
PAIR OF GLOVES FOR PARTS WASHERS

Not suitable for hydrocarbon based products.



Length	540 mm
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UC01-

NEW

ULTRASONIC CLEANER

The ultrasonic cleaning tank is ideal for deep cleaning of spare parts, metal spare parts in general, mechanical / electronic components and tools. Thanks to the LCD controls it is easy to adjust time and temperature. For general cleaning, the use of water is sufficient; for a deeper cleaning use specific detergents. The tank, entirely made of stainless steel, is hygienic and easy to clean. Internal cleaning basket included.



Art.	Power	Ultrasonic power	Heating power	Capacity Liters	Emptying mode	Washing time adjustment	Temperature	External Dimensions	Compartment dimensions	Net weight
UC01/20	230V 50Hz	60 W	100 W	2 L	Manual	0 - 99 min	0C° - 80C°	190 x 170 x 195 mm	150 x 140 x 100 mm	2,1 Kg
UC01/32	230V 50Hz	120 W	100 W	3,2 L	Manual	0 - 99 min	0C° - 80C°	270 x 170 x 220 mm	240 x 140 x 100 mm	3,2 Kg
UC01/65	230V 50Hz	180 W	300 W	6,5 L	Drain Tap	0 - 99 min	0C° - 80C°	330 x 180 x 280 mm	300 x 155 x 150 mm	5,2 Kg
UC01/100	230V 50Hz	240 W	300 W	10 L	Drain Tap	0 - 99 min	0C° - 80C°	330 x 270 x 280 mm	300 x 240 x 150 mm	6,55 Kg
UC01/150	230V 50Hz	360 W	400 W	15 L	Drain Tap	0 - 99 min	0C° - 80C°	360 x 330 x 280 mm	330 x 300 x 150 mm	8,3 Kg

0632-

DETERGENT LIQUID



Art.	Contents	Specification
0632/D	25 l	Solvent base
0632/DA	25 l	Water dilutable max. 50%
0632/DCF	25 l	Water dilutable max. 20%, hot usage

0632/DCF05

NEW

DETERGENT LIQUID



Contents	5 l
Specification	Water dilutable max. 20%, hot or ultrasonic usage



A024/10
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

A025/30
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

A040/30A
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
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

A024/602

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

A040/802

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

A040/803

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

INLET SPONGE FILTER SET FOR VACUUM CLEANER



ACAS/002

HEPA FILTER FOR VACUUM CLEANER



ACAS/003

FLEXIBLE HOSE FOR VACUUM CLEANER



Spare parts 1.5 m hose

ACAS/004

METAL EXTENSION PIPE FOR VACUUM CLEANER



ACAS/005

PAIR OF PLASTIC TUBES FOR VACUUM CLEANER



ACAS/006

INLET SPONGE FILTER SET FOR VACUUM CLEANER



ACAS/007

FILTER FOR VACUUM CLEANER



ACAS/008

PAPER BAG SET FOR VACUUM CLEANER



ACAS/009

FLEXIBLE HOSE FOR VACUUM CLEANER



ACAS/010

BIG BRUSH FOR VACUUM CLEANER



ACAS/011

MULTI FUNCTION BRUSH FOR VACUUM CLEANER



ACAS/012

PAPER BAG SET FOR VACUUM CLEANER



ACAS/013

BAG SET

In paper for vacuum cleaner.



ACAS/014

PLASTIC TUBE SET

For vacuum cleaner



ACAS/015

SMALL BRUSH

For vacuum cleaner.



ACAS/017

INLET SPONGE FILTER SET

For vacuum cleaner.



A040/8037

FLEXIBLE HOSE FOR VACUUM CLEANER



A040/8040

PAIR OF METAL TUBES FOR VACUUM CLEANER



Letter F
Spare parts Couple of metal pipe

A040/8047U

WET BRUSH FOR VACUUM CLEANER



A040/8047S

DRY BRUSH FOR VACUUM CLEANERS



A040/8029

FILTER FOR VACUUM CLEANER



A040/8046

SHORT TIP FOR VACUUM CLEANER



A040/8048

ROUND BRUSH FOR VACUUM CLEANER



Letter D
Spare parts Straight nozzle

M041

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	12 kg

M040

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

WIRE CONTROL FOR DOT MARKING MACHINE



M040/CP

FOOT CONTROL FOR DOT MARKING MACHINE



M040/D

DIVIDER FOR DOT MARKING MACHINE



M040/SA

SHAFTS SUPPORT FOR DOT MARKING MACHINE



M040/SP

SUPPORT FOR PLATES FOR DOT MARKING MACHINE



M040/ST

TUBE SUPPORT FOR DOT MARKING MACHINE



P012-L
HRC 58-60 LETTERS


Art.	Punch dimensions	Shank dimensions
P012/L03	3 mm	6 x 6 x 60h mm
P012/L04	4 mm	7 x 7 x 61h mm
P012/L05	5 mm	7,5 x 7,5 x 61h mm
P012/L06	6 mm	8,8 x 8,8 x 63h mm
P012/L08	8 mm	10 x 10 x 66h mm

P012-LxP
HRC 58-60 LETTERS

Micro stress.



Art.	Punch dimensions	Shank dimensions
P012/L03P	3 mm	7 x 7 x 61h mm
P012/L04P	4 mm	7,5 x 7,5 x 61h mm
P012/L05P	5 mm	8,8 x 8,8 x 63h mm
P012/L06P	6 mm	10 x 10 x 66h mm
P012/L08P	8 mm	12 x 12 x 70h mm

P012-N
NUMBERS HRC 58-60


Art.	Punch dimensions	Shank dimensions
P012/N03	3 mm	6 x 6 x 60h mm
P012/N04	4 mm	7 x 7 x 61h mm
P012/N05	5 mm	7,5 x 7,5 x 61h mm
P012/N06	6 mm	8,8 x 8,8 x 63h mm
P012/N08	8 mm	10 x 10 x 66h mm

P012-NxP
NUMBERS HRC 58-60

Micro stress.



Art.	Punch dimensions	Shank dimensions
P012/N03P	3 mm	7 x 7 x 61h mm
P012/N04P	4 mm	7,5 x 7,5 x 61h mm
P012/N05P	5 mm	8,8 x 8,8 x 63h mm
P012/N06P	6 mm	10 x 10 x 66h mm
P012/N08P	8 mm	12 x 12 x 70h mm

P021
ELECTRIC ENGRAVER

 On battery, with 2 diamond tip \varnothing 2.35 mm, 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 1,5V AAA

P002
ENGINEER'S SCRIBER WITH METAL BODY AND HARD-METAL POINT


Length	153 mm
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P005
STEEL ENGINEER'S SCRIBER


Length	270 mm
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P039

ENGINEER' S SCRIBER

With metal body and hard-metal point.



Telescopic
Length

150 mm

P039/PR

SET HARD-METAL POINT



2 Pcs



Length

40 mm

P020

ELECTRIC VIBRATING ENGRAVER

With vibration adjustment, suitable for engraving glass, ceramic, plastic, wood, inox, brass, aluminum, soft steel.



Vibrations
Power

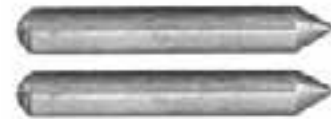
7200 / min
230 V 50 Hz 13 W

P020/P

SPARE PART BIT SET



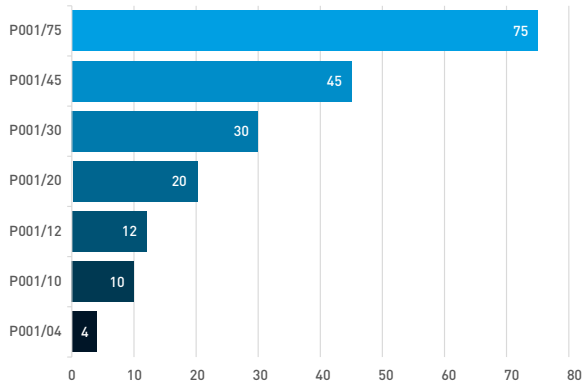
2 Pcs



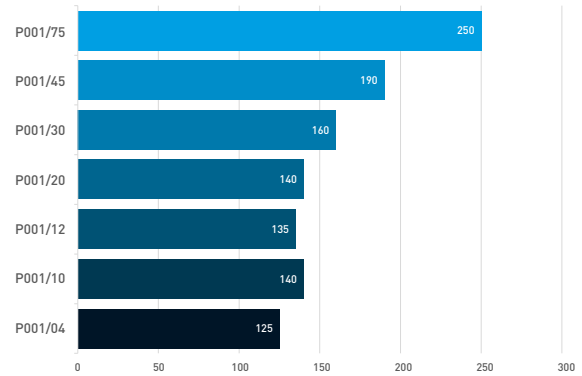
PRESSES



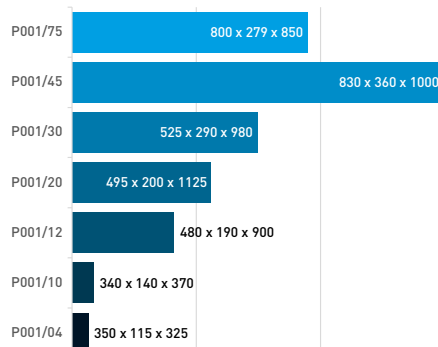
Capacity (Ton)



Ram stroke (mm)



Working area



P001/75

PNEUMATIC HYDRAULIC SHOP PRESS

Equipped with wheeled mobile piston, with winch for bench movement, two-speed manual control and pneumatic servopump with foot control



Capacity	75000 kg
Working area	800 x 279 x 850 h mm
Ram Ø	125 mm
Ram Ø	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

HYDRAULIC SHOP PRESS WITH MANUAL PNEUMATIC CONTROL

With manual winch for bench handling, equipped with 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

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
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
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
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
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.



Art.	Capacity	Max height piece	Max Ø piece	Arbor size	Net weight
P022/05	5000 N	90 mm	160 mm	19 x 19 mm	8 kg
P022/10	10000 N	100 mm	180 mm	25 x 25 mm	12 kg
P022/20	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	15000 N	390 x 160 x 720h mm	190 mm	180 mm	30 x 30 mm foro 10 mm	42 kg
P029/3	25000 N	450 x 200 x 870h mm	290 mm	250 mm	37,5 x 37,5 mm foro 13.80 mm	60 kg

P028-

HAND PUNCH

With spring loaded return.



Art.	Capacity	Dimensions	Max height piece	Max ø piece	Spindle travel	Net weight
P028/07	1500 N	240 x 155 x 335h mm	230 mm	150 mm	50 mm	8,5 kg
P028/14	2000 N	280 x 170 x 760h mm	275 mm	180 mm	70 mm	18 kg

0485

SHOP PRESS PIN SET



8 Pcs

Pins head size	24,7 mm
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0054/10
HYDRAULIC BODY FRAME REPAIR KIT


Capacity	10 ton
Ram length	330 mm
Ram stroke	130 mm
Net weight	30 kg

0054/4
HYDRAULIC BODY FRAME REPAIR KIT


Capacity	4 ton
Ram length	270 mm
Ram stroke	120 mm
Net weight	19 kg

0664
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 ml
Air consumption	10 SCFM
Net weight	8 kg

0271
HYDRAULIC PUMP

With pump activation pedal.



Rated pressure	63,7 MPa
Usable oil capacity	790 ml
Hose length	1500 mm
Net weight	7 kg

0663
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
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
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
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
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
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
HYDRAULIC TROLLEY JACK


Capacity	3 ton
Dimensions	572 x 328 x 175h mm
Lifting	130 ÷ 465 mm
Net weight	28 kg



0060

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

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

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

HYDRAULIC JACK



Capacity	10 ton
Lifting range of foot	30 ÷ 260 mm
Lifting range of head	420 ÷ 665 mm
Net weight	30 kg

0067

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	3 ton	298 ÷ 428 mm	190 x 210 mm	6,5 kg
0069/6	6 ton	400 ÷ 610 mm	260 x 285 mm	13 kg
0069/10	10 ton	468 ÷ 718 mm	290 x 328 mm	29 kg

0021/1
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	1555 x 1010 x 1455h mm
Fold dimensions	720 x 490 x 1520h mm
Min/max boom extension	715 ÷ 990 mm
Hook heights with raised arm	1800 mm @ 1000 kg 1970 mm @ 250 kg
Hook heights with lowered arm	160 mm @ 250 kg 400 mm @ 1000 kg
Front opening	890 mm
Net weight	64,5 kg

0063
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

0021/2
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	1730 x 1025 x 1400h mm
Fold dimensions	760 x 760 x 1635h mm
Min/max boom extension	750 ÷ 1280 mm
Hook heights with raised arm	1870 mm @ 2000 kg 2280 mm @ 500 kg
Hook heights with lowered arm	0 mm @ 500 kg 430 mm @ 2000 kg
Front opening	910 mm
Net weight	90,5 kg

0094
TRANSMISSION JACK

With load limiter, cross support and tilt support to better align and position gearboxes and differentials.



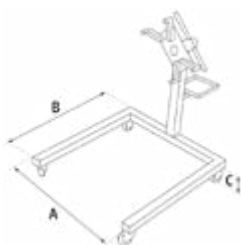
Capacity	500 kg
Dimensions	1190 x 700 x 660 mm
Min - Max height	1190 ÷ 2000 mm
Net weight	32,5 kg



S033

ENGINE STAND

2 swivel wheels with brake and 2 fixed cast iron wheels, possibility to tilt the engine. Equipped with rotating small parts shelf.

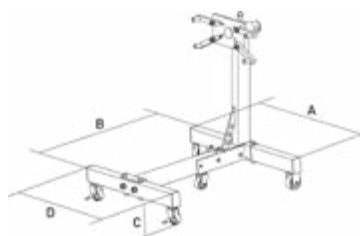


Capacity	600 kg
Dimensions	1200 x 840 x 930 mm
Net weight	27,5 kg
A	720 mm
B	840 mm
C	170 mm

S068

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 900 mm
Net weight	31 kg
A	820 mm
B	810 mm
C	180 mm
D	680 mm

S019

ENGINE STAND

2 wheels with breaks and 2 fix wheels, possibility to tilt the motor.



Capacity	450 kg	B	810 mm
Dimensions	865 x 810 x 870 mm	C	150 mm
Net weight	21 kg	D	450 mm
A	780 mm		

S024

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

0147

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

R015

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	1520 x 735 mm	170 kg	12,5 % (7°)	180 mm	13,5 kg
0649/1800	1800 x 735 mm	150 kg	12,5 % (7°)	220 mm	16 kg

0594
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
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
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 l/min ø8 x 6,5 mm - 1 ÷ 1,6 l/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**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****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****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



S029
ELECTRO-HYDRAULIC MOTORCYCLE LIFT TABLE

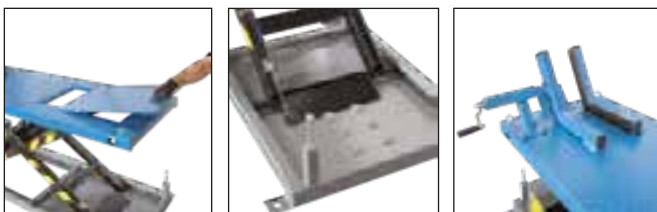

Max lifting capacity	600 kg
Platform dimensions	2200 x 750 mm
Total length	2995 mm
Service hole dimensions	550 x 340 mm
Min - Max height	260 - 520 - 625 - 710 - 780 - 840 mm
Vice	330 x 320 mm
Vice opening	40 ÷ 180 mm
Motor	230 V 50 Hz 550 W
Net weight	225 kg

S029P
ELECTRO-HYDRAULIC MOTORCYCLE LIFT TABLE

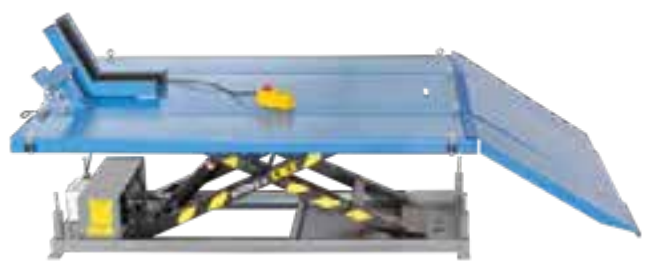
With pump and separate control system that give the possibility to position it at floor level.



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
ELECTRO-HYDRAULIC MOTORCYCLE LIFT TABLE


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
ELECTRO-HYDRAULIC ATV & MOTORCYCLE LIFT TABLE


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

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	410 x 100 mm
Vice opening	210 x 50 mm
Net weight	133 kg

0452

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	450 x 150 mm
Min - Max height	95 ÷ 400 mm
Stand height	55 - 80 mm
Hexagon	22 mm
Net weight	14 kg

0241

MOTORCYCLE WHEEL BLOCK

Strong body, simple and easy use, adjustable wheel size, safety lock.



Wheel outer diameter	381 - 533 mm
Overall dimensions	730 x 468 x 440h mm
Net weight	10 kg

S013

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

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

VEHICLE POSITIONING JACK

With wheel positioning 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
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
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
6 WHEELS CAR CREEPER


Dimensions	1030 x 420 x 100h mm
Net weight	6,5 kg

0645/S
SHOP SEAT

With pivoting wheels, tool holder base, seat with padding.



Dimensions	440 x 375 x 400 mm
Net weight	4,2 kg

0645/CP
PLASTIC CREEPER

Shockproof, with 6 wheels.



Dimensions	1000 x 470 x 120h mm
Net weight	4,8 kg

0645/SS
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	5 ton	63 Mpa	33 ÷ 39 mm	ø 24 mm	6 mm	45 x 95 mm	0,6 kg
0256/10	10 ton	63.7 Mpa	44 ÷ 55 mm	ø 38 mm	11 mm	56 x 118 mm	1,3 kg
0256/20	20 ton	63.7 Mpa	52 ÷ 63 mm	ø 50 mm	11 mm	76 x 138 mm	2,6 kg
0256/30	30 ton	63.7 Mpa	60 ÷ 72 mm	ø 63 mm	12 mm	95 x 158 mm	4,4 kg
0256/50	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	2 ton	181 mm	116 mm	48 mm	90 x 85 mm	Ø 22 mm	2,7 kg
0062/5	5 ton	220 mm	127 mm	70 mm	115 x 100 mm	Ø 32 mm	4,3 kg
0062/10	10 ton	230 mm	150 mm	80 mm	125 x 110 mm	Ø 40 mm	6,5 kg
0062/15	15 ton	230 mm	150 mm	80 mm	140 x 135 mm	Ø 48 mm	8,3 kg
0062/20	20 ton	242 mm	150 mm	60 mm	155 x 145 mm	Ø 53 mm	10,5 kg
0062/32	32 ton	285 mm	180 mm	-	170 x 160 mm	Ø 56 mm	13,5 kg
0062/50	50 ton	295 mm	180 mm	-	215 x 175 mm	Ø 85 mm	29 kg



0010
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
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
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	370 ÷ 1300 mm
Net weight	92 kg



**C650****THREE SHELVES TROLLEY**

Strong and easy to assemble, 2 swivel and 2 fixed casters.



Dimensions	800 x 450 x 800h mm
Steel thickness	1.5 mm
Wheels	ø 80 mm
Capacity	100 kg
Net weight	17 kg

C750**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**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**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**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	Ø 100 mm	150 kg	700 x 450 mm	820 mm	7,8 kg
C300	Ø 125 mm	300 kg	900 x 600 mm	890 mm	13,4 kg

C170P
NEW
FOLDING ALUMINIUM HAND TRUCK

Folding hand truck with automatic opening through a simple push on the toe plate. Automatic locking in the open or closed position. Telescopic structure and toe plate in aluminum.



Wheel sizes	Ø 125 x 28 mm
Hole diameter	6 mm
Capacity	70 kg
Toe plate dimensions	385 x 275 mm
Net weight	3,00 kg
Dimensions	385 x 410 x 985 h mm
Overall dimensions	385 x 55 x 635 h mm

C1101
NEW
HAND TRUCK WITH SOLID WHEELS

For flower pots and boxes, safety handles, epoxy painting.



Wheel sizes	Ø 200 x 40 mm
Hole diameter	12 mm
Capacity	80 kg
Toe plate dimensions	350 x 180 mm
Net weight	5,70 kg
Dimensions	460 x 370 x 1000 h mm

C1102
NEW
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
ALUMINIUM 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
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

C183
NEW
STAIR-CLIMBING HAND TRUCK

Safety handles, epoxy painting.



Wheel sizes	Ø 155 x 42 mm
Hole diameter	16 mm
Capacity	200 kg
Toe plate dimensions	310 x 220 mm
Net weight	13,5 kg
Dimensions	500 x 620 x 1180 h mm

**C184****NEW****2-IN-1 HAND TRUCK**

Can be used in two positions to facilitate the handling of heavy and bulky loads.



Pneumatic wheels	Ø 260 x 83 mm
Mobile wheels	Ø 100 x 23 mm
Hole diameter	20 mm - 10 mm
Capacity	250 kg
Toe plate dimensions	390 x 140 mm
Movable grid	325 x 335 mm
Platform dimensions	380 x 850 mm
Net weight	12 kg
Dimensions	590 x 420 x 1117 h mm - 590 x 1117 x 1050 h mm

P019**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

0237-**LEVER CHAIN HOIST**

Art.	Capacity	Lifting	Net weight
0237/05	500 kg	1500 mm	5 kg
0237/15	1500 kg	1500 mm	10 kg

0461**POLYURETHANE WHEEL**

260 x 85 mm not pierceable, with Ø 20 mm bearing and adapter from 20 mm to 18 mm, for hand trucks with 18-20 mm wheel shaft.



Wheel sizes	250 x 75 mm
Hole sizes	Ø 20 - 18 x 74 mm

0056-**CHAIN HOIST**

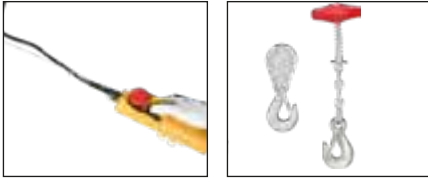
Art.	Capacity	Lifting	Net weight
0056/1	1000 kg	3000 mm	11 kg
0056/2	2000 kg	3000 mm	20 kg

0236**HOIST ARM**

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

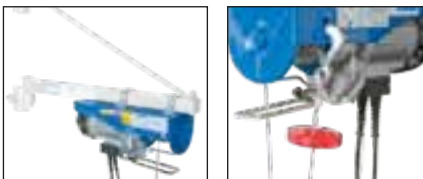
With steel cable and mechanical limit switch.



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
ELECTRIC CABLE HOIST

With steel cable and mechanical limit switch



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	300 kg	100 kg	50 ÷ 300 mm	189 x 163 x 92 (B) mm	9,5 kg
S0600	600 kg	200 kg	70 ÷ 400 mm	267 x 198 x 129 (B) mm	19 kg
S1000	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	2000 mm	3150	2240	ø 7 mm	SLF
PDC4/7/3	3000 mm	3150	2240	ø 7 mm	SLF
PDC4/7/4	4000 mm	3150	2240	ø 7 mm	SLF
PDC4/10/2	2000 mm	6700	4750	ø 10 mm	SLF
PDC4/10/3	3000 mm	6700	4750	ø 10 mm	SLF
PDC4/10/4	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	2000 mm	2120	1500	ø 7 mm	SLF
PDC2/7/3	3000 mm	2120	1500	ø 7 mm	SLF
PDC2/7/4	4000 mm	2120	1500	ø 7 mm	SLF
PDC2/10/2	2000 mm	4250	3150	ø 10 mm	SLF
PDC2/10/3	3000 mm	4250	3150	ø 10 mm	SLF
PDC2/10/4	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	1000 mm	1500 kg	ø 7 mm	SLF
PDC1/7/2	2000 mm	1500 kg	ø 7 mm	SLF
PDC1/10/1	1000 mm	3150 kg	ø 10 mm	SLF
PDC1/10/2	2000 mm	3150 kg	ø 10 mm	SLF

**06x****LASHING SYSTEM WITH POLYESTER RIBBON DRAFT**

EN 12195-2.



Art.	Strap ribbon with turnbuckle	Ribbon width	Capacity	Hooks
0635	5,50 + 0,50 m	35 mm	1000 kg	2
0650	8,00 + 0,50 m	50 mm	2000 kg	2
0675	10,00 + 1,00 m	75 mm	3000 kg	2

0635/25**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

AN2G/12/1**2 STEEL ARMS PENDING**

Rope	ø 12 mm
Length	1000 mm
Capacity	30° 2600 kg
Capacity	90° 2100 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	1	50 mm	Purple	250 mm	1000 kg	2000 kg	1400	1000	800 kg
2/1000	2	50 mm	Purple	250 mm	1000 kg	2000 kg	1400	1000	800 kg
3/1000	3	50 mm	Purple	250 mm	1000 kg	2000 kg	1400	1000	800 kg
4/1000	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	1	60 mm	Green	250 mm	2000 kg	4000 kg	2800	2000	1600 kg
2/2000	2	60 mm	Green	250 mm	2000 kg	4000 kg	2800	2000	1600 kg
3/2000	3	60 mm	Green	250 mm	2000 kg	4000 kg	2800	2000	1600 kg
4/2000	4	60 mm	Green	250 mm	2000 kg	4000 kg	2800	2000	1600 kg
5/2000	5	60 mm	Green	250 mm	2000 kg	4000 kg	2800	2000	1600 kg
6/2000	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	1	90 mm	Yellow	300 mm	3000 kg	6000 kg	4200	3000	2400 kg
2/3000	2	90 mm	Yellow	300 mm	3000 kg	6000 kg	4200	3000	2400 kg
3/3000	3	90 mm	Yellow	300 mm	3000 kg	6000 kg	4200	3000	2400 kg
4/3000	4	90 mm	Yellow	300 mm	3000 kg	6000 kg	4200	3000	2400 kg
5/3000	5	90 mm	Yellow	300 mm	3000 kg	6000 kg	4200	3000	2400 kg
6/3000	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	1 m	Purple	1000 kg	2000 kg	1400	1000	800 kg
FT2/1000	2 m	Purple	1000 kg	2000 kg	1400	1000	800 kg
FT3/1000	3 m	Purple	1000 kg	2000 kg	1400	1000	800 kg
FT4/1000	4 m	Purple	1000 kg	2000 kg	1400	1000	800 kg
FT5/1000	5 m	Purple	1000 kg	2000 kg	1400	1000	800 kg
FT6/1000	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	800 kg	ø 8,3 mm x 20m	11 kg
0791/16	1600 kg	ø 11mm x 20m	24 kg
0791/32	3200 kg	ø 16 mm x 20m	50 kg

0066**DOUBLE RATCHET HAND PULLER**

Max load	800 kg
Cable diameter	ø 5 mm
Max length	2 m
Net weight	2,7 kg

0070/C**GEARED HAND WINCH**

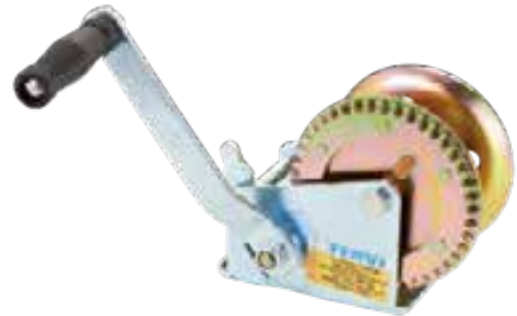
Zinc-plated.



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**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**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
TRUCK PALLET WITH SCALE AND PRINTER

Not legal for trade, tare function powered by rechargeable battery, polyurethane wheels.



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	Yes
Front wheel	Double
Net weight	160 kg

0068L
TRUCK PALLET WITH SCALE

Truck pallet with scale not legal for trade, tare function powered by replaceable batteries. With polyurethane wheels.



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
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
MANUAL TRUCK -PALLET

With polyurethane wheels.



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

0028-XL
MANUAL TRUCK-PALLET LONG FORKS

With polyurethane wheels.

NEW


Art.	Capacity	Fork height	Fork dimensions	Armor plate thickness	Front wheel	Net weight
0028/1500	2000 kg	85 ÷ 200 mm	1500 x 540 mm	3 mm	Double	86 kg
0028/1800	2000 kg	85 ÷ 200 mm	1800 x 540 mm	3 mm	Double	96 kg
0028/2000	2000 kg	85 ÷ 200 mm	2000 x 540 mm	3 mm	Double	102 kg



0064

MANUAL TRUCK -PALLET

With polyurethane wheels.



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

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
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
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
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	6 Ton	110 mm	85 x 85 mm	8	Ø 170 mm	1080 mm	±90°	610 x 520 mm	41 kg
0654/09L	9 Ton	110 mm	85 x 85 mm	12	Ø 170 mm	1080 mm	±90°	840 x 583 mm	59 kg
0654/12L	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**

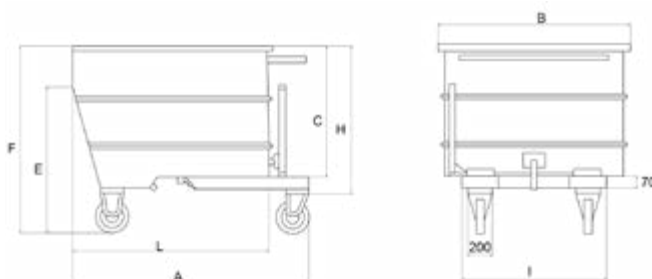
With nylon wheels.



Art.	Capacity	Working height	Roller dimensions	Wheels	Table dimensions	Lever bar length	Net weight
0654/06F	6 Ton	110 mm	85 x 85 mm	4	200 x 220 mm	640 ÷ 1030 mm	30 kg
0654/09F	9 Ton	110 mm	85 x 85 mm	6	200 x 320 mm	840 ÷ 1230 mm	43 kg
0654/12F	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**

Additional colors and accessories available upon request.













Art.	Liters	A	B	C	E	F	H	I	L	Capacity	Wheels	Net weight
C030/0300	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	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	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	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	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. 394  --- Ratchets wrenches
- p. 395  --- Double open end wrenches
- p. 396  --- Combination spanners
- p. 398  --- Ring spanners
- p. 401  --- Tubular sockets
- p. 403  --- Hex keys
- p. 405  --- Tork keys
- p. 407  --- T-handle swivel
- p. 408  --- Filter wrenches
- p. 409  --- Torque wrenches








SOCKET WRENCHES AND SCREW EXTRACTORS

- p. 412  --- Quick-release ratchets
- p. 414  --- Sockets
- p. 428  --- Impact sockets
- p. 436  --- Screw extractors










SCREWDRIVERS AND HAND RIVETERS

- p. 437  --- Sockets screwdrivers
- p. 439  --- Screwdrivers
- p. 443  --- Precision screwdrivers
- p. 445  --- Hex bits
- p. 450  --- Hand riveters








PLIERS, HAMMERS, FILES AND CHISELS

- p. 452  --- Pliers
- p. 456  --- Grip pliers
- p. 457  --- Pipe wrenches
- p. 458  --- Hammers
- p. 461  --- Chisels
- p. 464  --- Files
- p. 466  --- Levers



UTILITY KNIVES, DEBURRING AND CUTTING TOOLS

- p. 467  --- Utility knives
- p. 469  --- Snaggers
- p. 471  --- Jigsaws arches
- p. 472  --- Scissors
- p. 473  --- Tube and bolt cutters






SETS AND FASTENINGS

- p. 476  --- Staplers and brad nailers
- p. 476  --- Sets



CONSTRUCTION AND PACKAGING

- p. 481  --- Guns for chemicals
- p. 482  --- Trowels and putty knives
- p. 483  --- Packaging material



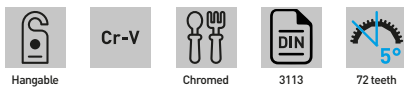
TOOL KITS

- p. 484  --- Tool rolling cabinets with tools
- p. 490  --- Series of tools in trays
- p. 499  --- Tool boxes with tools



0690-

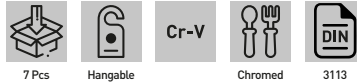
RATCHET FLEXIBLE HEAD COMBINATION SPANNER



Art.	Size	Length
0690/08	8 mm	150 mm
0690/09	9 mm	150 mm
0690/10	10 mm	160 mm
0690/11	11 mm	170 mm
0690/12	12 mm	170 mm
0690/13	13 mm	185 mm
0690/14	14 mm	205 mm
0690/15	15 mm	205 mm
0690/16	16 mm	230 mm
0690/17	17 mm	230 mm
0690/18	18 mm	250 mm
0690/19	19 mm	250 mm

0690/07P

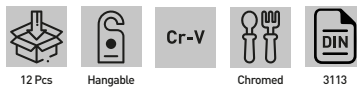
RATCHET FLEXIBLE HEAD COMBINATION SPANNER SET



Sizes 8 - 10 - 11 - 13 - 15 - 17 - 19 mm

0690/12P

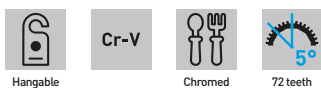
RATCHET FLEXIBLE HEAD COMBINATION SPANNER SET



Sizes 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm

0700-

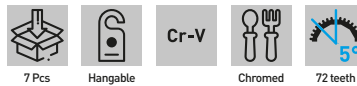
RATCHET GEAR WRENCHES



Art.	Size	Length
0700/08	8 mm	140 mm
0700/09	9 mm	150 mm
0700/10	10 mm	160 mm
0700/11	11 mm	165 mm
0700/12	12 mm	172 mm
0700/13	13 mm	180 mm
0700/14	14 mm	190 mm
0700/15	15 mm	220 mm
0700/16	16 mm	221 mm
0700/17	17 mm	225 mm
0700/18	18 mm	238 mm
0700/19	19 mm	248 mm

0700/07P

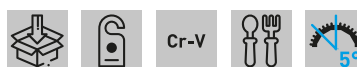
RATCHET COMBINATION SPANNER SET



Sizes 8 - 10 - 11 - 13 - 15 - 17 - 19 mm

0700/12P

RATCHET COMBINATION SPANNER SET



Sizes 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm



0546

SATIN FINISH COMBINATION SPANNER SET



12 Pcs



Hangable



Cr-V



Satin

Sizes 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 17 - 19 - 22 mm

0544

COMBINATION SPANNER SET



25 Pcs



Box



Cr-V



Satin

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



Cr-V



Chromed



3110

Art.	Size	Length
0201/06X07	6x7 mm	122 mm
0201/08X09	8x9 mm	140 mm
0201/10X11	10x11 mm	156 mm
0201/12X13	12x13 mm	172 mm
0201/14X15	14x15 mm	190 mm
0201/16X17	16x17 mm	190 mm
0201/18X19	18x19 mm	225 mm
0201/20X22	20x22 mm	235 mm
0201/21X23	21x23 mm	250 mm
0201/24X27	24x27 mm	265 mm

Art.	Size	Length
0201/25X28	25x28 mm	280 mm
0201/30X32	30x32 mm	300 mm
0201/32X36	32x36 mm	325 mm
0201/34X36	34x36 mm	325 mm
0201/35X38	35x38 mm	330 mm
0201/36X41	36x41 mm	360 mm
0201/41X46	41x46 mm	400 mm
0201/46X50	46x50 mm	450 mm
0201/50X55	50x55 mm	485 mm
0201/55X60	55x60 mm	520 mm

0200

DOUBLE OPEN END MIRROR POLISH LONG PATTERN WRENCH SET



8 Pcs



Hangable



Cr-V



Chromed



3110

Sizes 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm

0201

DOUBLE OPEN END MIRROR POLISH LONG PATTERN WRENCH SET



12 Pcs



Hangable



Cr-V



Chromed



3110

Sizes 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 - 21x23 - 24x27 - 25x28 - 30x32 mm



0208-

MIRROR POLISH LONG PATTERN COMBINATION SPANNER



Cr-V 3113

Art.	Size	Length
0208/06	6 mm	100 mm
0208/07	7 mm	110 mm
0208/08	8 mm	120 mm
0208/09	9 mm	130 mm
0208/10	10 mm	140 mm
0208/11	11 mm	150 mm
0208/12	12 mm	160 mm
0208/13	13 mm	170 mm
0208/14	14 mm	180 mm
0208/15	15 mm	190 mm
0208/16	16 mm	200 mm
0208/17	17 mm	210 mm
0208/18	18 mm	220 mm
0208/19	19 mm	230 mm
0208/20	20 mm	240 mm
0208/21	21 mm	250 mm
0208/22	22 mm	260 mm
0208/23	23 mm	270 mm
0208/24	24 mm	280 mm
0208/25	25 mm	290 mm
0208/26	26 mm	300 mm
0208/27	27 mm	310 mm
0208/28	28 mm	320 mm
0208/30	30 mm	340 mm
0208/32	32 mm	360 mm
0208/34	34 mm	380 mm
0208/36	36 mm	400 mm
0208/38	38 mm	400 mm
0208/41	41 mm	440 mm
0208/46	46 mm	490 mm
0208/50	50 mm	530 mm

0199P-

MIRROR POLISH LONG PATTERN COMBINATION SPANNER

Inches.



Cr-V 3113

Art.	Size	Length
0199P/1/4	1/4"	100 mm
0199P/5/16	5/16"	120 mm
0199P/3/8	3/8"	140 mm
0199P/7/16	7/16"	150 mm
0199P/1/2	1/2"	170 mm
0199P/9/16	9/16"	180 mm
0199P/5/8	5/8"	200 mm
0199P/11/16	11/16"	210 mm
0199P/3/4	3/4"	230 mm
0199P/13/16	13/16"	250 mm
0199P/7/8	7/8"	260 mm
0199P/15/16	15/16"	280 mm
0199P/1	1"	290 mm

0199

MIRROR POLISH LONG PATTERN COMBINATION SPANNER SET



3113

Sizes 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 17 - 19 - 22 mm

0208

MIRROR POLISH LONG PATTERN COMBINATION SPANNER SET



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

MIRROR POLISH LONG PATTERN COMBINATION SPANNER SET



3113

Sizes 34 - 36 - 38 - 41 - 46 - 50 mm

0199P

MIRROR POLISH LONG PATTERN COMBINATION SPANNER SET

Inches.



3113

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



Cr-V 3110

Art.	Size	Length
0222/06X07	6x7 mm	122 mm
0222/08X09	8x9 mm	140 mm
0222/10X11	10x11 mm	155 mm
0222/12X13	12x13 mm	170 mm
0222/14X15	14x15 mm	190 mm
0222/16X17	16x17 mm	205 mm
0222/18X19	18x19 mm	220 mm
0222/20X22	20x22 mm	235 mm
0222/21X23	21x23 mm	250 mm
0222/24X27	24x27 mm	265 mm
0222/25X28	25x28 mm	280 mm
0222/30X32	30x32 mm	300 mm

0224-
COMBINATION SPANNER



Cr-V 3113

Art.	Size	Length
0224/06	6 mm	100 mm
0224/07	7 mm	110 mm
0224/08	8 mm	120 mm
0224/09	9 mm	130 mm
0224/10	10 mm	140 mm
0224/11	11 mm	150 mm
0224/12	12 mm	160 mm
0224/13	13 mm	170 mm
0224/14	14 mm	180 mm
0224/15	15 mm	190 mm
0224/16	16 mm	200 mm
0224/17	17 mm	210 mm
0224/18	18 mm	220 mm
0224/19	19 mm	230 mm
0224/20	20 mm	240 mm
0224/21	21 mm	250 mm
0224/22	22 mm	260 mm
0224/23	23 mm	270 mm
0224/24	24 mm	280 mm
0224/25	25 mm	290 mm
0224/26	26 mm	300 mm
0224/27	27 mm	310 mm
0224/28	28 mm	320 mm
0224/30	30 mm	340 mm
0224/32	32 mm	360 mm
0224/34	34 mm	380 mm
0224/36	36 mm	400 mm

0221
DOUBLE OPEN END WRENCH SET



3110

Sizes 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm

0222
DOUBLE OPEN END WRENCH SET



3110

Sizes 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 - 21x23 - 24x27 - 25x28 - 30x32 mm

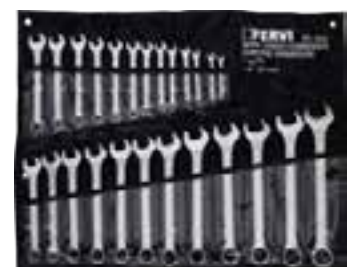
0073
COMBINATION SPANNER



3113

Sizes 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 17 - 19 - 22 mm

0223
COMBINATION SPANNER



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



0476-

MIRROR POLISH RING SPANNERS



Cr-V



Chromed



838

Art.	Size	Length
0476/06X07	6 x 7 mm	165 mm
0476/08X09	8 x 9 mm	180 mm
0476/10X11	10 x 11 mm	195 mm
0476/12X13	12 x 13 mm	215 mm
0476/14X15	14 x 15 mm	240 mm
0476/16X17	16 x 17 mm	260 mm
0476/18X19	18 x 19 mm	320 mm
0476/20X22	20 x 22 mm	320 mm
0476/21X23	21 x 23 mm	325 mm
0476/24X27	24 x 27 mm	335 mm
0476/25X28	25 x 28 mm	345 mm
0476/30X32	30 x 32 mm	360 mm

0477

MIRROR POLISH RING SPANNER SET



0476

MIRROR POLISH RING SPANNER SET



8 Pcs



Hangable



Cr-V



Chromed



838

Sizes 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm



12 Pcs



Hangable



Cr-V



Chromed



838

Sizes 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 - 21x23 - 24x27 - 25x28 - 30x32 mm

0895-

PERCUSSION OPEN WRENCHES



Cr-V



133

Art.	Size	Length
0895/24	24 mm	160 mm
0895/27	27 mm	180 mm
0895/30	30 mm	195 mm
0895/32	32 mm	195 mm
0895/36	36 mm	215 mm
0895/38	38 mm	215 mm
0895/41	41 mm	235 mm
0895/46	46 mm	255 mm
0895/50	50 mm	280 mm
0895/55	55 mm	310 mm
0895/60	60 mm	320 mm
0895/65	65 mm	345 mm
0895/70	70 mm	370 mm

0896-

POLYGONAL PERCUSSION WRENCHES



Cr-V



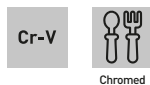
7444

Art.	Size	Length
0896/24	24 mm	160 mm
0896/27	27 mm	180 mm
0896/30	30 mm	195 mm
0896/32	32 mm	195 mm
0896/36	36 mm	205 mm
0896/38	38 mm	215 mm
0896/41	41 mm	230 mm
0896/46	46 mm	240 mm
0896/50	50 mm	255 mm
0896/55	55 mm	270 mm
0896/60	60 mm	280 mm
0896/65	65 mm	300 mm
0896/70	70 mm	325 mm



0196-

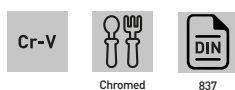
STUBBY MIRROR POLISH COMBINATION SPANNERS



Art.	Size	Length
0196/10	10 mm	95 mm
0196/11	11 mm	105 mm
0196/12	12 mm	105 mm
0196/13	13 mm	110 mm
0196/14	14 mm	115 mm
0196/15	15 mm	115 mm
0196/16	16 mm	125 mm
0196/17	17 mm	130 mm
0196/18	18 mm	140 mm
0196/19	19 mm	140 mm

0134-

FLAT POLYGONAL WRENCHES



Art.	Size	Length
0134/06X07	6 x 7 mm	100 mm
0134/08X09	8 x 9 mm	115 mm
0134/10X11	10 x 11 mm	130 mm
0134/12X13	12 x 13 mm	145 mm
0134/14X15	14 x 15 mm	160 mm
0134/16X17	16 x 17 mm	170 mm
0134/18X19	18 x 19 mm	185 mm
0134/20X22	20 x 22 mm	205 mm

0196

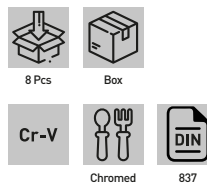
STUBBY MIRROR POLISH COMBINATION SPANNER SET



Sizes 10-11-12-13-14-15-16-17-18-19 mm

0134S

FLAT RING SPANNER SET

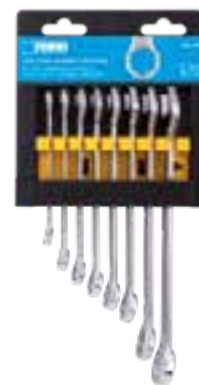


Sizes 100 - 6x7 mm, 115 - 8x9 mm, 130 - 10x11 mm, 145 - 12x13 mm, 160 - 14x15 mm, 170 - 16x17 mm, 185 - 18x19 mm, 205 - 20x20 mm

0187

MULTILOCK COMBINATION SPANNER SET

Suitable for metric, inch, torx and XZN bolt.

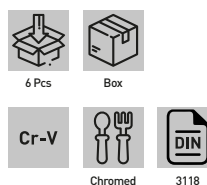


Sizes 8 - 10 - 11 - 12 - 13 - 14 - 17 - 19 mm
 Inch size 5/16" - 3/8" - 7/16" - 15/32" - 1/2" - 9/16" - 11/16" - 3/4"
 Torx size E10 - E12 - E14 - E16 - E18 - E22 - E24
 XZN size M8 - M10 - M11 - M12 - M13 - M14 - M17 - M19

0541S

FLARE NUT WRENCH SET

6 point from 8 mm to 14 mm, 12 point from 17 mm to 22 mm.

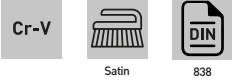


Sizes 140-8x10 mm, 150-9x11 mm, 175-11x13 mm, 175-12x14 mm, 210-17x19 mm, 220-19x22 mm



0614-

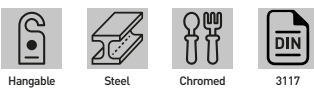
HALF MOON RING SPANNERS



Art.	Size
0614/08X10	8 x 10 mm
0614/10X12	10 x 12 mm
0614/11X13	11 x 13 mm
0614/13X15	13 x 15 mm
0614/14X17	14 x 17 mm
0614/16X18	16 x 18 mm
0614/19X22	19 x 22 mm

0084-

ADJUSTABLE WRENCHES



Art.	Size	Opening
0084/150	6"-150 mm	20 mm
0084/250	10"- 250 mm	30 mm
0084/375	15"- 375 mm	48 mm



0614

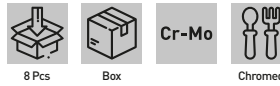
SET OF HALF MOON RING SPANNERS



Sizes 8x10 - 10x12 - 11x13 - 13x15 - 14x17 - 16x18 - 19x22 mm

0714

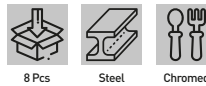
HOOK WRENCHES SET



Model 35 + 120
 Sizes 35+60 60+90 90+120

0266

GAS SPANNER



Size 25 mm
 Pack 10

0340S

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

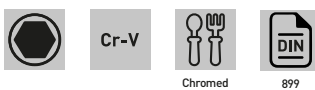


0393-
DOUBLE ENDED HEXAGON/BI-HEX SOCKET WRENCHES



Art.	Size	Length
0393/06	6 mm	100 mm
0393/07	7 mm	105 mm
0393/08	8 mm	115 mm
0393/09	9 mm	120 mm
0393/10	10 mm	130 mm
0393/11	11 mm	135 mm
0393/12	12 mm	145 mm
0393/13	13 mm	150 mm
0393/14	14 mm	160 mm
0393/15	15 mm	170 mm
0393/16	16 mm	180 mm
0393/17	17 mm	185 mm
0393/18	18 mm	200 mm
0393/19	19 mm	200 mm
0393/20	20 mm	210 mm
0393/21	21 mm	220 mm
0393/22	22 mm	230 mm

0442-
HEXAGONAL TUBULAR SOCKET WRENCHES
Mirror polish with hexagonal body.



Art.	Size	Length
0442/06X07	6 x 7 mm	105 mm
0442/08X09	8 x 9 mm	110 mm
0442/10X11	10 x 11 mm	120 mm
0442/12X13	12 x 13 mm	140 mm
0442/14X15	14 x 15 mm	145 mm
0442/16X17	16 x 17 mm	155 mm
0442/18X19	18 x 19 mm	165 mm
0442/20X22	20 x 22 mm	170 mm

0393/A
DOUBLE ENDED HEXAGON/BI-HEX SOCKET WRENCHES SET



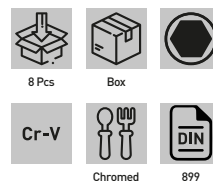
Sizes 6-7-8-10-11-12-13-14-17-19

0393
DOUBLE ENDED HEXAGON/BI-HEX SOCKET WRENCHES



Sizes 6 - 7 - 8 - 10 - 11 - 12 - 13 - 14 - 17 - 19 - 22 mm

0442
HEXAGONAL TUBULAR SOCKET WRENCH SET
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

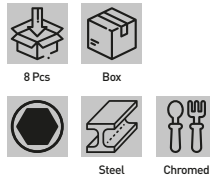


Art.	Size	Length
0540/06X07	6 x 7 mm	110 mm
0540/08X09	8 x 9 mm	120 mm
0540/10X11	10 x 11 mm	125 mm
0540/12X13	12 x 13 mm	135 mm
0540/14X15	14 x 15 mm	135 mm
0540/16X17	16 x 17 mm	150 mm
0540/18X19	18 x 19 mm	160 mm
0540/20X22	20 x 22 mm	170 mm

0540S

HEXAGONAL TUBULAR SOCKET WRENCH SET

Light model, with tommy bar.

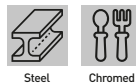


Sizes 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 mm

0540/3

TOMMY BAR

3 step.

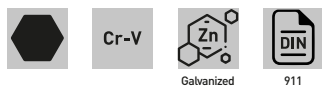


Length 165 mm
 ø 9,5 - 7,5 - 6 mm





0090-
MALE HEX KEY SET



Art.	L1	L2	Pack
0090/015	45 mm	14 mm	10
0090/02	50 mm	16 mm	10
0090/025	56 mm	18 mm	10
0090/03	63 mm	20 mm	10
0090/04	70 mm	25 mm	10
0090/05	80 mm	28 mm	10
0090/06	90 mm	32 mm	10
0090/08	100 mm	36 mm	5
0090/10	112 mm	40 mm	5
0090/12	125 mm	45 mm	5
0090/14	140 mm	56 mm	5
0090/17	160 mm	63 mm	5
0090/19	180 mm	70 mm	5

0558/GE
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 (3 mm) - PH1 (4 mm) - PH2 (5 mm)
Slotted screwdriver	6 mm

0215X
BALL POINT HEX KEY SET , LONG TYPE



Art.	Size
0215	1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10
0215P	1/16" - 5/64" - 3/32" - 1/8" - 5/32" - 3/16" - 1/4" - 5/16" - 3/8"

0090
HEX KEY SET



Sizes	1,5 - 2 - 2,5 - 3 - 3,5 - 4 - 5 - 6 - 8 - 10 mm
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0269
HEX KEY SET



Sizes	1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm
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0545/EF
BALL POINT COLORED HEX KEY SERIES



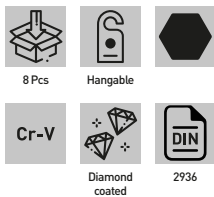
Sizes	1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm
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0558/EM

HEX KEY SET WITH DIAMOND TIP

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.

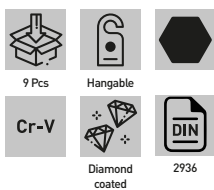


Sizes 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 mm

0558/EP

HEX KEY SET WITH DIAMOND TIP

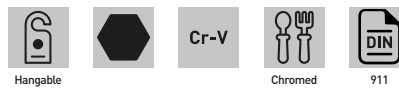
The diamond tip allows a perfect grip, avoiding to ruin the head of the screw. This type of tip is also very effective with already ruined screws.



Sizes 5/64" - 3/32" - 7/64" - 1/8" - 9/64" - 5/32" - 3/16" - 7/32" - 1/4"

0856-

BALL POINT TWO WAY HEX KEY WITH ANATOMIC PLASTIC HANDLE



Art.	Size	Length
0856/02	2 mm	100 mm
0856/02.5	2,5 mm	100 mm
0856/03	3 mm	100 mm
0856/04	4 mm	100 mm
0856/05	5 mm	150 mm
0856/06	6 mm	150 mm
0856/08	8 mm	200 mm
0856/10	10 mm	200 mm

C856-

BALL POINT TWO WAY HEX KEY WITH PLASTIC HANDLE

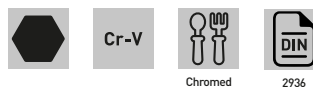


Art.	Size	Length
C856/02.5	2.5 mm	175 mm
C856/03	3 mm	175 mm
C856/04	4 mm	175 mm
C856/05	5 mm	175 mm
C856/06	6 mm	175 mm
C856/08	8 mm	170 mm
C856/10	10 mm	170 mm

0400-

MALE "T" HANDLE HEX WRENCHES

With sliding bar making it versatile for use in difficult situations and under extreme conditions.



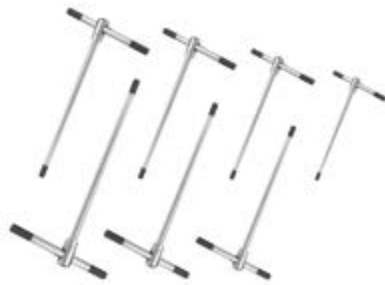
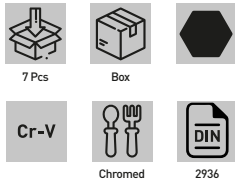
Art.	Size	Dimensions
0400/02	2 mm	125 x 65 mm
0400/025	2,5 mm	125 x 65 mm
0400/03	3 mm	125 x 65 mm
0400/035	3,5 mm	125 x 65 mm
0400/04	4 mm	180 x 90 mm
0400/045	4,5 mm	180 x 90 mm
0400/05	5 mm	180 x 90 mm
0400/06	6 mm	210 x 105 mm
0400/07	7 mm	250 x 105 mm
0400/08	8 mm	250 x 125 mm
0400/09	9 mm	300 x 145 mm
0400/10	10 mm	300 x 145 mm
0400/12	12 mm	320 x 165 mm
0400/14	14 mm	340 x 170 mm



0400

MALE "T" HANDLE HEX WRENCH SET

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

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

TORX KEY SET LONG TYPE

With tamper resistant head (hole).



Sizes T10 - T15 - T20 - T25 - T27 - T30 - T40 - T45 - T50

0220/C

TORX KEY SET SHORT TYPE

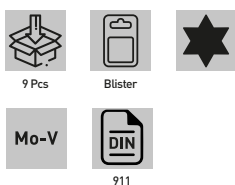
With tamper resistant head (hole).



Sizes T10 - T15 - T20 - T25 - T27 - T30 - T40 - T45 - T50

0545/TF

COLORED TORX KEY SERIES

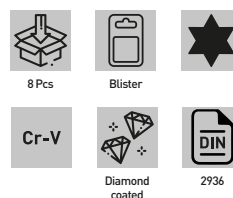


Sizes T10 - T15 - T20 - T25 - T27 - T30 - T40 - T45 - T50

0558/TX

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-

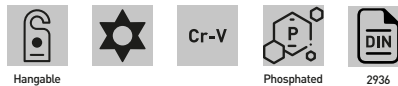
TWO WAY TORX AND TAMPERED KEY WITH ANATOMIC PLASTIC HANDLE



Art.	Size	Length
0855/T10	T10	100 mm
0855/T15	T15	100 mm
0855/T20	T20	100 mm
0855/T25	T25	100 mm
0855/T30	T30	150 mm
0855/T40	T40	150 mm

C855-

TWO WAY TORX KEY WITH PLASTIC HANDLE



Art.	Size	Length
C855/T10	T10	175 mm
C855/T15	T15	175 mm
C855/T20	T20	175 mm
C855/T25	T25	175 mm
C855/T27	T27	175 mm
C855/T30	T30	175 mm
C855/T40	T40	170 mm
C855/T50	T50	170 mm

0405-

MALE "T" HANDLE TORX WRENCH

With sliding bar making it versatile for use in difficult situations and under extreme conditions.



Art.	Size	Length
0405/T06	T06	125 mm
0405/T07	T07	125 mm
0405/T08	T08	125 mm
0405/T09	T09	125 mm
0405/T10	T10	125 mm
0405/T15	T15	125 mm
0405/T20	T20	125 mm
0405/T25	T25	180 mm
0405/T27	T27	180 mm
0405/T30	T30	180 mm
0405/T40	T40	210 mm
0405/T45	T45	210 mm
0405/T50	T50	210 mm

0405

MALE "T" HANDLE TORX WRENCH SET

With sliding bar making them versatile for use in difficult situations and under extreme conditions.



Sizes T8-T9-T10-T15-T20-T25-T30

0190T

NEW

3-WAY "SPEEDY" TORX KEY WRENCH SET

Torx keys made of brushed aluminium and high-strength Cr-V steel, perfect for torx socket screws. Practical "speedy" swivel handle for a firmer grip and greater ease and quick handling. Sizes from T10 to T40.

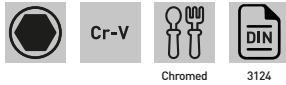
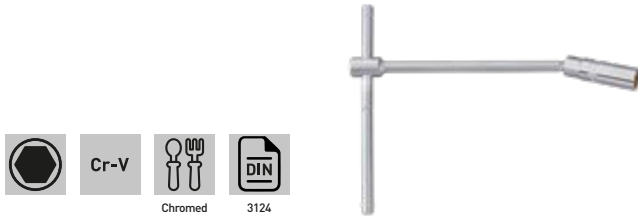


Sizes T10 - T15 - T20 - T25 - T27 - T30 - T40



0359-

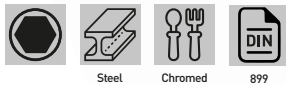
T-HANDLE SPARK PLUG SOCKET WRENCH



Art.	Size	Length
0359/14L	14 mm	530 mm
0359/16L	16 mm	530 mm
0359/21L	20,8 mm	530 mm
0359/16	16 mm	275 mm

007X

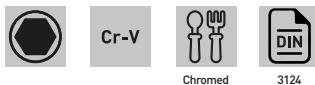
SPARK PLUG WRENCH



Art.	Size	Length
0078	20,8	500 mm
0079	16 mm	510 mm

C395-

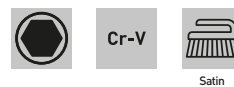
T HANDLE MAGNETIC SWIVEL HEX SOCKET



Art.	Size	Length
C395/06	6 mm	390 mm
C395/07	7 mm	390 mm
C395/08	8 mm	390 mm
C395/09	9 mm	390 mm
C395/10	10 mm	500 mm
C395/11	11 mm	500 mm
C395/12	12 mm	500 mm
C395/13	13 mm	500 mm
C395/14	14 mm	500 mm
C395/15	15 mm	500 mm
C395/16	16 mm	500 mm
C395/17	17 mm	500 mm
C395/18	18 mm	500 mm
C395/19	19 mm	500 mm

C245-

T-HANDLE DEEP SOCKET WRENCHES



Art.	Size	Length
C245/06	6 mm	320 mm
C245/07	7 mm	320 mm
C245/08	8 mm	320 mm
C245/09	9 mm	320 mm
C245/10	10 mm	320 mm
C245/11	11 mm	320 mm
C245/12	12 mm	320 mm
C245/13	13 mm	320 mm
C245/14	14 mm	320 mm
C245/17	17 mm	320 mm
C245/19	19 mm	320 mm

C391-

T-HANDLE SWIVEL HEX SOCKET

Heavy duty.

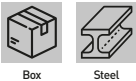


Art.	Size	Length
C391/06	6 mm	395 mm
C391/07	7 mm	395 mm
C391/08	8 mm	395 mm
C391/09	9 mm	400 mm
C391/10	10 mm	400 mm
C391/11	11 mm	400 mm
C391/12	12 mm	400 mm
C391/13	13 mm	432 mm
C391/14	14 mm	432 mm
C391/15	15 mm	450 mm
C391/16	16 mm	450 mm
C391/17	17 mm	450 mm
C391/18	18 mm	450 mm
C391/19	19 mm	500 mm



0352-

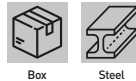
BELT OIL FILTER WRENCH



Art.	Filter maximum diameter	Belt
0352/01	180 mm	610 mm
0352/02	220 mm	800 mm

0357-

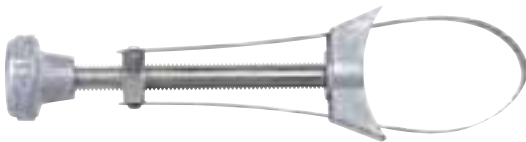
OIL FILTER STEEL BELT WRENCH



Art.	Filter maximum diameter	Belt
0357/01	70 mm	180 mm
0357/02	120 mm	200 mm

0076

TAPE OIL FILTER WRENCH



Filter maximum diameter	Belt
120 mm	195 mm

0077

OIL FILTER CHAIN WRENCH



Filter maximum diameter	Belt
110 mm	380 mm

0018/15

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)

0018/30

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

CROSS RIM WRENCH

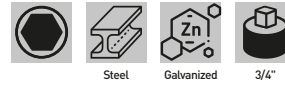


Sizes	17 - 19 - 21 mm
Dimensions	381 x 16 mm

0426-

CROSS RIM WRENCH

For trucks, with fixed hex sockets.

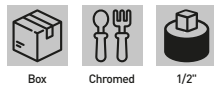


Art.	Sizes	Dimensions
0426/30	24 - 27 - 30 mm	550 x 20 mm
0426/32	24 - 27 - 32 mm	700 x 22 mm

0806/200

ELECTRONIC DIGITAL TORQUE - ANGLE WRENCH

It allows cw and ccw operation and a led and buzer diagnostic of torque/angle status.



MEASURE UNITS:	Nm / kgf-cm / lbf-ft / 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-

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	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	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	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
DIGITAL TORQUE SCREWDRIVER

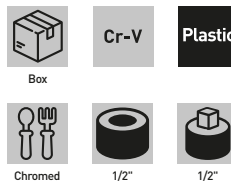
ISO 6789-2017, clockwise and anticlockwise tightening, sound and vibration diagnostics of the preset torque reached.



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
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.



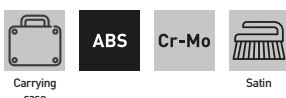
Operation mode	Peak/track
MEASURE UNITS:	Nm/kgm/kgcm/lbft/lbin
Capacity	40 ÷ 200 Nm
Reading	0,1 Nm
Memory	50
Accuracy	±2%
Dimensions	75 x 44 mm
Battery	2 x AAA
Working temperature	-10°C-60 °C [14°F-139.9 °F]
Storage temperature	-20°C -70°C [-4 °F-157.9°F]

0137
TORQUE WRENCH


Capacity	28 ÷ 210 Nm
Extension	120 mm

0815-
TORQUE WRENCHES

ISO 6789-2017, reading window.



Art.	Dr.	Capacity	Reading	Accuracy	Length
0815/100	3/8"	20 ÷ 100 Nm	0,5 Nm	±4%	460 mm
0815/200	1/2"	40 ÷ 200 Nm	1,0 Nm	±4%	515 mm
0815/800	3/4"	100 ÷ 800 Nm	5,0 Nm	±4%	1100 mm



0803-

TORQUE WRENCHES

ISO 6789-2017.

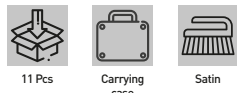


Art.	Shank	Capacity	Reading	Accuracy	Length
0803/110	3/8"	20 - 110 Nm	0,5 Nm	±4%	380 mm
0803/210	1/2"	40 - 210 Nm	1 Nm	±4%	535 mm
0803/700	3/4"	140 - 700 Nm	2,5 Nm	±4%	1085 mm

0803/S210

TORQUE WRENCH SET

ISO 6789-2017.

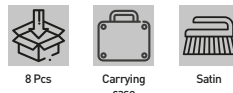


Spanners shank	14 x 18 mm
Ratchet head	1/2"
Capacity	40 ÷ 210 Nm
Accuracy	±4%
Reading	1 Nm
Spanner head	13 - 14 - 15 - 17 - 19 - 22 - 24 - 27 - 30 mm

0803/S080

TORQUE WRENCH SET

ISO 6789-2017.

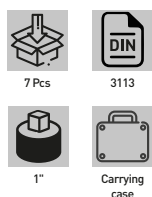


Spanners shank	14x 18 mm
Ratchet head	3/8"
Capacity	15 ÷ 80 Nm
Accuracy	±4%
Spanner head	17 - 22 - 24 - 26 - 27 - 30 mm
Reading	0,5 Nm

0329

TORQUE MULTIPLIER

Labor saving wheel wrench.

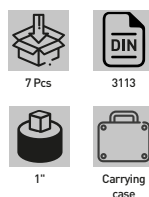


1" Dr. sockets	32 - 33 mm
Ratio	1:60
Maximum torque	3200 Nm
Operating torque	1200 Nm
Net weight	7,5 kg

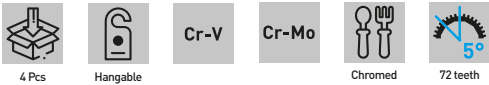
0360

TORQUE MULTIPLIER

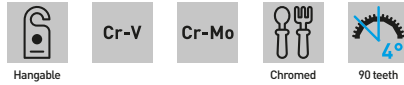
Labor saving wheel wrench, supplied in plastic case.



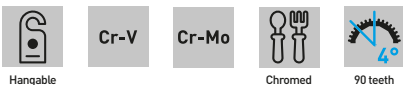
1" Dr. sockets	32 - 33 mm
Ratio	1 : 56
Maximum torque	3000 Nm
Operating torque	1000 Nm
Net weight	7 kg

CN450N0/0
3 IN 1 QUICK CHANGE DRIVE RATCHET HANDLE


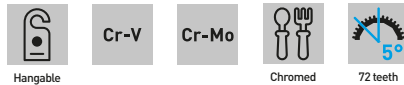
Length	230 mm
Shank	1/2" - 3/8" - 1/4"
Teeth	72

G090-
ERGONOMIC RATCHET HANDLE


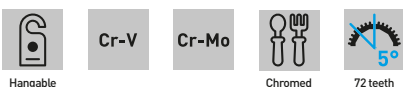
Art.	Length	Dr.
G090/1/4	145 mm	1/4"
G090/3/8	195 mm	3/8"
G090/1/2	265 mm	1/2"

F090-
ERGONOMIC RATCHET HANDLE


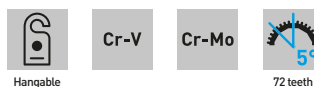
Art.	Length	Dr.
F090/1/4	145 mm	1/4"
F090/3/8	195 mm	3/8"
F090/1/2	265 mm	1/2"

0494-
MIRROR POLISHED ERGONOMIC RATCHET HANDLE


Art.	Length	Dr.
0494/1/4	165 mm	1/4"
0494/3/8	215 mm	3/8"
0494/1/2	276 mm	1/2"

CN450NX
ERGONOMIC RATCHET HANDLE


Art.	Length	Dr.
CN450N1/4A	150 mm	1/4"
CN450N3/8A	205 mm	3/8"
CN450N1/2A	250 mm	1/2"

0439-
ERGONOMIC RATCHET HANDLE


Art.	Dr.	Length	Teeth
0439/1/4	1/4"	155 mm	72
0439/3/8	3/8"	200 mm	72
0439/1/2	1/2"	260 mm	72



0019-

1/4", 3/8", 1/2" DRIVE QUICK-RELEASE RATCHETS



Hangable

Cr-V

Cr-Mo



90 teeth

Art.	Length	Dr.
0019/1/4	154 mm	1/4"
0019/3/8	215 mm	3/8"
0019/1/2	275 mm	1/2"

0308

RATCHET HANDLE



Cr-V



Chromed



45 teeth



3/4"

Length	490 mm
--------	--------

0228

RATCHET HANDLE



Hangable

Cr-V



Chromed



39 teeth



1/2"

Length	220 mm
--------	--------

0173

1/4" DR. SPINNER HANDLE

Made to being used also as an extension.



Hangable

Cr-V



Chromed

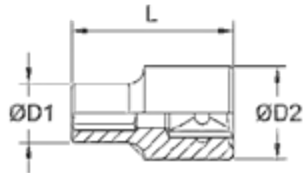


1/4"

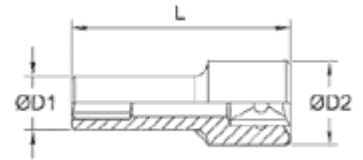


1/4"

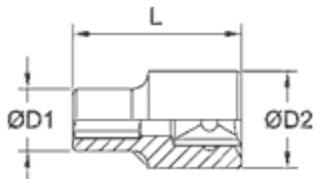
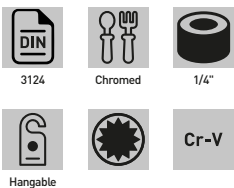


BN4E5NX
STANDARD 6 POINT HAND SOCKET


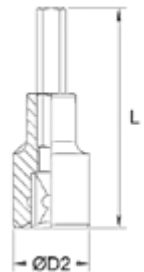
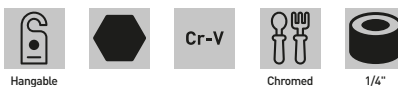
Art.	Size	D1	D2	Length
BN4E5N004A	4 mm	6,8 mm	12 mm	25 mm
BN4E5N0045A	4,5 mm	7,2 mm	12 mm	25 mm
BN4E5N005A	5 mm	7,8 mm	12 mm	25 mm
BN4E5N0055A	5,5 mm	8,4 mm	12 mm	25 mm
BN4E5N006A	6 mm	9,3 mm	12 mm	25 mm
BN4E5N007A	7 mm	10,8 mm	12 mm	25 mm
BN4E5N008A	8 mm	12 mm	11 mm	25 mm
BN4E5N009A	9 mm	13 mm	12 mm	25 mm
BN4E5N010A	10 mm	14,6 mm	12 mm	25 mm
BN4E5N011A	11 mm	16 mm	12,5 mm	25 mm
BN4E5N012A	12 mm	17 mm	13,5 mm	25 mm
BN4E5N013A	13 mm	18 mm	13,5 mm	25 mm
BN4E5N014A	14 mm	19 mm	14,5 mm	25 mm

BN4E5LX
DEEP 6 POINT HAND SOCKET


Art.	Size	D1	D2	Length
BN4E5L004A	4 mm	6,8 mm	12 mm	50 mm
BN4E5L0045A	4,5 mm	7,2 mm	12 mm	50 mm
BN4E5L005A	5 mm	7,8 mm	12 mm	50 mm
BN4E5L0055A	5,5 mm	8,4 mm	12 mm	50 mm
BN4E5L006A	6 mm	9,3 mm	12 mm	50 mm
BN4E5L007A	7 mm	10,8 mm	12 mm	50 mm
BN4E5L008A	8 mm	12 mm	11 mm	50 mm
BN4E5L009A	9 mm	13 mm	12 mm	50 mm
BN4E5L010A	10 mm	14,6 mm	12 mm	50 mm
BN4E5L011A	11 mm	16 mm	13 mm	50 mm
BN4E5L012A	12 mm	17 mm	13 mm	50 mm
BN4E5L013A	13 mm	18 mm	13 mm	50 mm
BN4E5L014A	14 mm	19 mm	14,5 mm	50 mm

BN4P5NX
STANDARD 12 POINT HAND SOCKET


Art.	Size	D1	D2	Length
BN4P5N004A	4 mm	6,8 mm	12 mm	25 mm
BN4P5N005A	5 mm	7,8 mm	12 mm	25 mm
BN4P5N0055A	5,5 mm	8,4 mm	12 mm	25 mm
BN4P5N006A	6 mm	9,3 mm	12 mm	25 mm
BN4P5N007A	7 mm	10,8 mm	12 mm	25 mm
BN4P5N008A	8 mm	12 mm	11 mm	25 mm
BN4P5N009A	9 mm	13 mm	12 mm	25 mm
BN4P5N010A	10 mm	14,6 mm	12 mm	25 mm
BN4P5N011A	11 mm	16 mm	12,5 mm	25 mm
BN4P5N012A	12 mm	17 mm	13,5 mm	25 mm
BN4P5N013A	13 mm	18 mm	13,5 mm	25 mm
BN4P5N014A	14 mm	19 mm	14,5 mm	25 mm

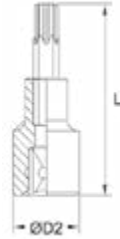
BN415NX
HEX BIT SOCKET


Art.	Size	D2	Length
BN415N003A	3 mm	12 mm	37 mm
BN415N004A	4 mm	12 mm	37 mm
BN415N005A	5 mm	12 mm	37 mm
BN415N006A	6 mm	12 mm	37 mm
BN415N008A	8 mm	12 mm	37 mm



BN425NX

TORX BIT SOCKET



Hangable



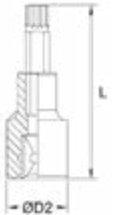
Chromed

1/4"

Art.	Size	D2	Length
BN425N008A	T8	12 mm	37 mm
BN425N009A	T9	12 mm	37 mm
BN425N010A	T10	12 mm	37 mm
BN425N015A	T15	12 mm	37 mm
BN425N020A	T20	12 mm	37 mm
BN425N025A	T25	12 mm	37 mm
BN425N027A	T27	12 mm	37 mm
BN425N030A	T30	12 mm	37 mm
BN425N040A	T40	12 mm	37 mm

BN445NX

XZN BIT SOCKET



Hangable



Chromed

1/4"

Art.	Size	D2	Length
BN445N004A	M 4	15 mm	37 mm
BN445N005A	M 5	15 mm	37 mm
BN445N006A	M 6	15 mm	37 mm
BN445N008A	M 8	15 mm	37 mm
BN445N009A	M 9	15 mm	37 mm
BN445N010A	M 10	15 mm	37 mm

RN4054NA

ADAPTER



Hangable



Cr-V

1/4"

3/8"



Length 26 mm

JN405NA

UNIVERSAL JOINT



Hangable



Cr-V

1/4"



Length 38 mm

PN405NX

EXTENSION BAR



Hangable



Cr-V

Chromed

1/4"

Art.	Length
PN405N050A	50 mm
PN405N075A	75 mm
PN405N150A	150 mm

EN405NX

WOBBLE EXTENSION BAR



Hangable



Cr-V

Chromed

1/4"

Art.	Length
EN405N050A	50 mm
EN405N075A	75 mm
EN405N150A	150 mm

LN400N1/4A

SLIDING T BAR



Hangable

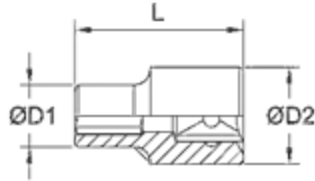
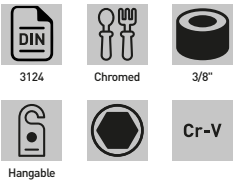


Cr-V

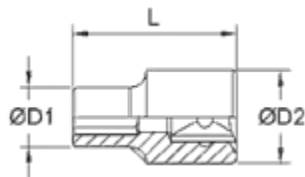
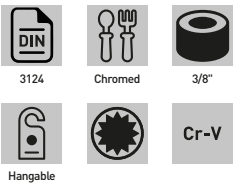
1/4"



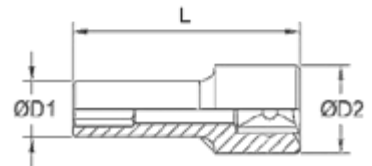
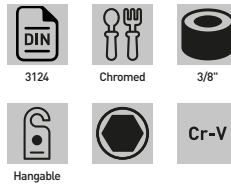
Length 115 mm

BN4E4NX
STANDARD 6 POINT HAND SOCKET


Art.	Size	D1	D2	Length
BN4E4N006A	6 mm	9,3 mm	17 mm	28 mm
BN4E4N007A	7 mm	10,6 mm	17 mm	28 mm
BN4E4N008A	8 mm	11,8 mm	17 mm	28 mm
BN4E4N009A	9 mm	13,2 mm	17 mm	28 mm
BN4E4N010A	10 mm	14,5 mm	17 mm	28 mm
BN4E4N011A	11 mm	15,7 mm	17 mm	28 mm
BN4E4N012A	12 mm	17 mm	16,4 mm	28 mm
BN4E4N013A	13 mm	18 mm	17 mm	28 mm
BN4E4N014A	14 mm	20 mm	17 mm	28 mm
BN4E4N015A	15 mm	20,9 mm	18 mm	28 mm
BN4E4N016A	16 mm	22 mm	18 mm	28 mm
BN4E4N017A	17 mm	24 mm	18 mm	30 mm
BN4E4N018A	18 mm	26 mm	18 mm	30 mm
BN4E4N019A	19 mm	26 mm	20 mm	30 mm
BN4E4N020A	20 mm	27,1 mm	20 mm	30 mm
BN4E4N021A	21 mm	28 mm	20 mm	30 mm
BN4E4N022A	22 mm	30 mm	20 mm	32 mm

BN4P4NX
STANDARD 12 POINT HAND SOCKET


Art.	Size	D1	D2	Length
BN4P4N006A	6 mm	9,3 mm	17 mm	28 mm
BN4P4N007A	7 mm	10,6 mm	17 mm	28 mm
BN4P4N008A	8 mm	11,8 mm	17 mm	28 mm
BN4P4N009A	9 mm	13,2 mm	17 mm	28 mm
BN4P4N010A	10 mm	14,5 mm	17 mm	28 mm
BN4P4N011A	11 mm	15,7 mm	17 mm	28 mm
BN4P4N012A	12 mm	17 mm	16,4 mm	28 mm
BN4P4N013A	13 mm	18 mm	17 mm	28 mm
BN4P4N014A	14 mm	20 mm	17 mm	28 mm
BN4P4N015A	15 mm	20,9 mm	18 mm	28 mm
BN4P4N016A	16 mm	22 mm	18 mm	28 mm
BN4P4N017A	17 mm	24 mm	18 mm	30 mm
BN4P4N018A	18 mm	26 mm	18 mm	30 mm
BN4P4N019A	19 mm	26 mm	20 mm	30 mm
BN4P4N020A	20 mm	28 mm	20 mm	30 mm
BN4P4N021A	21 mm	28 mm	20 mm	30 mm
BN4P4N022A	22 mm	30 mm	20 mm	32 mm

BN4E4LX
DEEP 6 POINT HAND SOCKET


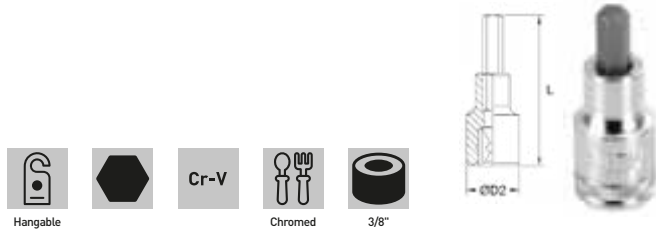
Art.	Size	D1	D2	Length
BN4E4L006A	6 mm	9,3 mm	17 mm	63 mm
BN4E4L007A	7 mm	10,6 mm	17 mm	62 mm
BN4E4L008A	8 mm	11,8 mm	17 mm	63 mm
BN4E4L009A	9 mm	13,2 mm	17 mm	63 mm
BN4E4L010A	10 mm	14,5 mm	17 mm	63 mm
BN4E4L011A	11 mm	15,7 mm	17 mm	63 mm
BN4E4L012A	12 mm	17 mm	16,4 mm	63 mm
BN4E4L013A	13 mm	18 mm	17 mm	63 mm
BN4E4L014A	14 mm	19,6 mm	17 mm	63 mm
BN4E4L015A	15 mm	20,9 mm	18 mm	63 mm
BN4E4L016A	16 mm	22 mm	18 mm	63 mm
BN4E4L017A	17 mm	23,4 mm	18 mm	63 mm
BN4E4L018A	18 mm	24,6 mm	20 mm	63 mm
BN4E4L019A	19 mm	26 mm	20 mm	63 mm
BN4E4L020A	20 mm	27,1 mm	20 mm	63 mm
BN4E4L021A	21 mm	28 mm	20 mm	63 mm
BN4E4L022A	22 mm	30 mm	20 mm	63 mm





BN414NX

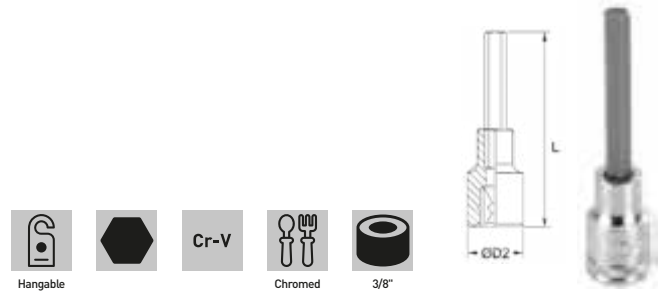
HEX BIT SOCKET



Art.	Size	D2	Length
BN414N003A	3 mm	18 mm	48 mm
BN414N004A	4 mm	18 mm	48 mm
BN414N005A	5 mm	18 mm	48 mm
BN414N006A	6 mm	18 mm	48 mm
BN414N007A	7 mm	18 mm	48 mm
BN414N008A	8 mm	18 mm	48 mm
BN414N009A	9 mm	20 mm	48 mm
BN414N010A	10 mm	20 mm	48 mm
BN414N012A	12 mm	20 mm	48 mm

BN414LX

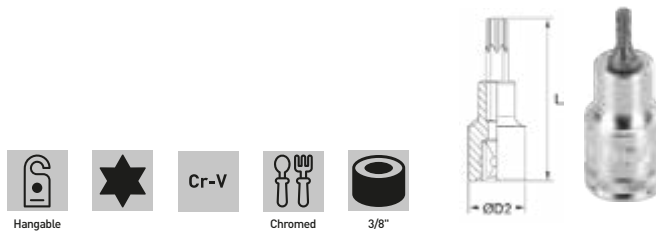
LONG HEX BIT SOCKET



Art.	Size	D2	Length
BN414L003A	3 mm	18 mm	95 mm
BN414L004A	4 mm	18 mm	95 mm
BN414L005A	5 mm	18 mm	95 mm
BN414L006A	6 mm	18 mm	95 mm
BN414L007A	7 mm	18 mm	95 mm
BN414L008A	8 mm	18 mm	95 mm
BN414L009A	9 mm	20 mm	95 mm
BN414L010A	10 mm	20 mm	95 mm
BN414L012A	12 mm	20 mm	95 mm

BN424NX

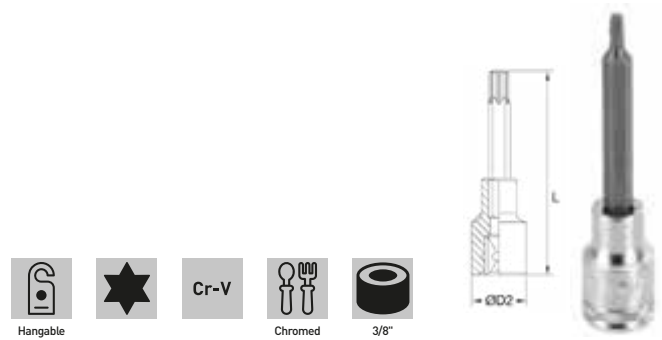
TORX BIT SOCKET



Art.	Size	D2	Length
BN424N010A	T10	18 mm	48 mm
BN424N015A	T15	18 mm	48 mm
BN424N020A	T20	18 mm	48 mm
BN424N025A	T25	18 mm	48 mm
BN424N027A	T27	18 mm	48 mm
BN424N030A	T30	18 mm	48 mm
BN424N040A	T40	18 mm	48 mm
BN424N045A	T45	18 mm	48 mm
BN424N050A	T50	20 mm	48 mm
BN424N055A	T55	20 mm	48 mm

BN424LX

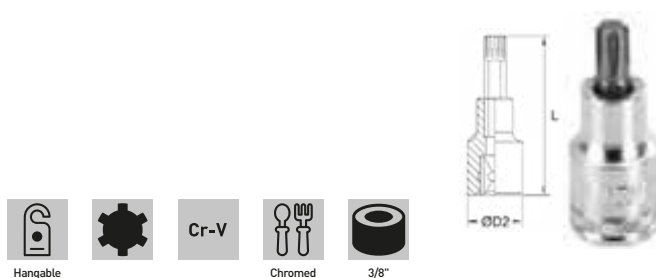
LONG TORX BIT SOCKET



Art.	Size	D2	Length
BN424L015A	T15	18 mm	95 mm
BN424L020A	T20	18 mm	95 mm
BN424L025A	T25	18 mm	95 mm
BN424L027A	T27	18 mm	95 mm
BN424L030A	T30	18 mm	95 mm
BN424L040A	T40	18 mm	95 mm
BN424L045A	T45	18 mm	95 mm

BN434NX

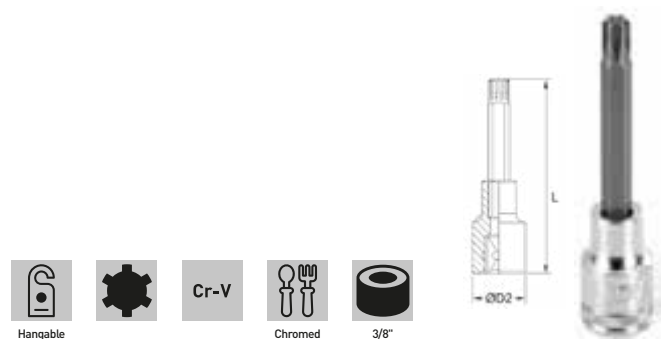
RIBE BIT SOCKET



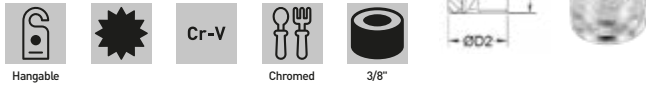
Art.	Size	D2	Length
BN434N004A	M 4	18 mm	50 mm
BN434N005A	M 5	18 mm	50 mm
BN434N006A	M 6	18 mm	50 mm
BN434N007A	M 7	18 mm	50 mm
BN434N008A	M 8	18 mm	50 mm
BN434N009A	M 9	18 mm	50 mm
BN434N010A	M 10	20 mm	50 mm

BN434LX

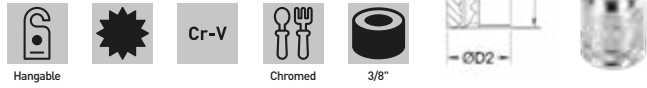
LONG RIBE BIT SOCKET



Art.	Size	D2	Length
BN434L004A	M 4	18 mm	95 mm
BN434L005A	M 5	18 mm	95 mm
BN434L006A	M 6	18 mm	95 mm
BN434L007A	M 7	18 mm	95 mm
BN434L008A	M 8	18 mm	95 mm
BN434L009A	M 9	18 mm	95 mm
BN434L010A	M 10	20 mm	95 mm

BN444NX
XZN BIT SOCKET


Art.	Size	D2	Length
BN444N004A	M 4	18 mm	48 mm
BN444N005A	M 5	18 mm	48 mm
BN444N006A	M 6	18 mm	48 mm
BN444N008A	M 8	18 mm	48 mm
BN444N009A	M 9	20 mm	48 mm
BN444N010A	M 10	20 mm	48 mm
BN444N012A	M 12	20 mm	48 mm
BN444N014A	M 14	20 mm	48 mm

BN444LX
LONG XZN BIT SOCKET


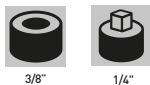
Art.	Size	D2	Length
BN444L004A	M 4	18 mm	95 mm
BN444L005A	M 5	18 mm	95 mm
BN444L006A	M 6	18 mm	95 mm
BN444L008A	M 8	18 mm	95 mm
BN444L009A	M 9	20 mm	95 mm
BN444L010A	M 10	20 mm	95 mm
BN444L012A	M 12	20 mm	95 mm
BN444L014A	M 14	20 mm	95 mm

BN4C4LX
SPARK PLUG SOCKET


Art.	Size	Length
BN4C4L016A	16 mm	63 mm
BN4C4L018A	18 mm	63 mm
BN4C4L021A	21 mm	65 mm


LN400N3/8A
SLIDING T BAR


Length 200 mm


RN4045NA
ADAPTER


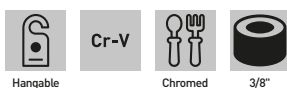
Length 27 mm

RN4043NA
ADAPTER


Length 35 mm

JN404NA
UNIVERSAL JOINT


Length 54 mm

PN404NX
EXTENSION BAR


Art.	Length
PN404N050A	50 mm
PN404N075A	75 mm
PN404N150A	150 mm


EN404NX
WOBBLE EXTENSION BAR


Art.	Length
EN404N038A	38 mm
EN404N075A	75 mm
EN404N150A	150 mm
EN404N250A	250 mm





BN4E3NX

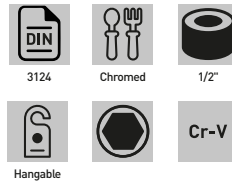
STANDARD 6 POINT HAND SOCKET



Art.	Size	D1	D2	Length
BN4E3N008A	8 mm	12,2 mm	22 mm	38 mm
BN4E3N009A	9 mm	13,5 mm	22 mm	38 mm
BN4E3N010A	10 mm	15 mm	22 mm	38 mm
BN4E3N011A	11 mm	16,3 mm	22 mm	38 mm
BN4E3N012A	12 mm	17,6 mm	22 mm	38 mm
BN4E3N013A	13 mm	18,8 mm	22 mm	38 mm
BN4E3N014A	14 mm	20,4 mm	22 mm	38 mm
BN4E3N015A	15 mm	21 mm	22 mm	38 mm
BN4E3N016A	16 mm	22 mm	20,5 mm	38 mm
BN4E3N017A	17 mm	24 mm	22 mm	38 mm
BN4E3N018A	18 mm	25,4 mm	22 mm	38 mm
BN4E3N019A	19 mm	26 mm	22 mm	38 mm
BN4E3N020A	20 mm	28 mm	22 mm	38 mm
BN4E3N021A	21 mm	28 mm	22 mm	38 mm
BN4E3N022A	22 mm	30 mm	26 mm	38 mm
BN4E3N023A	23 mm	31,6 mm	26 mm	38 mm
BN4E3N024A	24 mm	32 mm	26 mm	38 mm
BN4E3N025A	25 mm	34 mm	26 mm	42 mm
BN4E3N026A	26 mm	35,4 mm	28 mm	42 mm
BN4E3N027A	27 mm	36 mm	28 mm	42 mm
BN4E3N028A	28 mm	38 mm	28 mm	42 mm
BN4E3N029A	29 mm	38 mm	28 mm	43 mm
BN4E3N030A	30 mm	40 mm	28 mm	43 mm
BN4E3N032A	32 mm	42 mm	28 mm	44 mm

BN4E3LX

DEEP 6 POINT HAND SOCKET



Art.	Size	D1	D2	Length
BN4E3L010A	10 mm	15 mm	22 mm	77 mm
BN4E3L011A	11 mm	16,3 mm	22 mm	77 mm
BN4E3L012A	12 mm	17,6 mm	22 mm	77 mm
BN4E3L013A	13 mm	18,8 mm	22 mm	77 mm
BN4E3L014A	14 mm	20,4 mm	22 mm	77 mm
BN4E3L015A	15 mm	21 mm	22 mm	77 mm
BN4E3L016A	16 mm	22 mm	20,5 mm	77 mm
BN4E3L017A	17 mm	24 mm	22 mm	77 mm
BN4E3L018A	18 mm	25,4 mm	22 mm	77 mm
BN4E3L019A	19 mm	26 mm	22 mm	77 mm
BN4E3L020A	20 mm	28 mm	22 mm	77 mm
BN4E3L021A	21 mm	28 mm	22 mm	77 mm
BN4E3L022A	22 mm	30 mm	26 mm	77 mm
BN4E3L023A	23 mm	31,6 mm	26 mm	77 mm
BN4E3L024A	24 mm	32 mm	26 mm	77 mm
BN4E3L027A	27 mm	36 mm	28 mm	77 mm
BN4E3L030A	30 mm	40 mm	28 mm	77 mm
BN4E3L032A	32 mm	42 mm	28 mm	77 mm

BN4P3NX

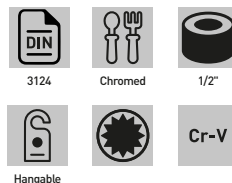
STANDARD 12 POINT HAND SOCKET



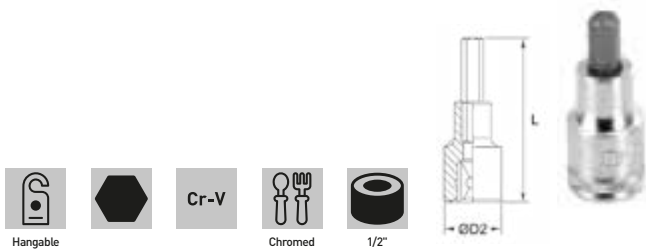
Art.	Size	D1	D2	Length
BN4P3N008A	8 mm	12,2 mm	22 mm	38 mm
BN4P3N009A	9 mm	13,5 mm	22 mm	38 mm
BN4P3N010A	10 mm	15 mm	22 mm	38 mm
BN4P3N011A	11 mm	16,3 mm	22 mm	38 mm
BN4P3N012A	12 mm	17,6 mm	22 mm	38 mm
BN4P3N013A	13 mm	18,8 mm	22 mm	38 mm
BN4P3N014A	14 mm	20,4 mm	22 mm	38 mm
BN4P3N015A	15 mm	21 mm	22 mm	38 mm
BN4P3N016A	16 mm	22 mm	20,5 mm	38 mm
BN4P3N017A	17 mm	24 mm	22 mm	38 mm
BN4P3N018A	18 mm	25,4 mm	22 mm	38 mm
BN4P3N019A	19 mm	26 mm	22 mm	38 mm
BN4P3N020A	20 mm	28 mm	22 mm	38 mm
BN4P3N021A	21 mm	28 mm	22 mm	38 mm
BN4P3N022A	22 mm	30 mm	26 mm	38 mm
BN4P3N023A	23 mm	31,6 mm	26 mm	38 mm
BN4P3N024A	24 mm	32 mm	26 mm	38 mm
BN4P3N025A	25 mm	34 mm	26 mm	42 mm
BN4P3N026A	26 mm	35,4 mm	28 mm	42 mm
BN4P3N027A	27 mm	36 mm	28 mm	42 mm
BN4P3N028A	28 mm	38 mm	28 mm	43 mm
BN4P3N029A	29 mm	38 mm	28 mm	43 mm
BN4P3N030A	30 mm	40 mm	28 mm	43 mm
BN4P3N032A	32 mm	42 mm	28 mm	44 mm

BN4P3LX

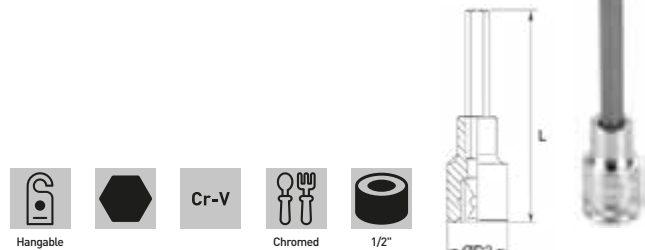
DEEP 12 POINT HAND SOCKET



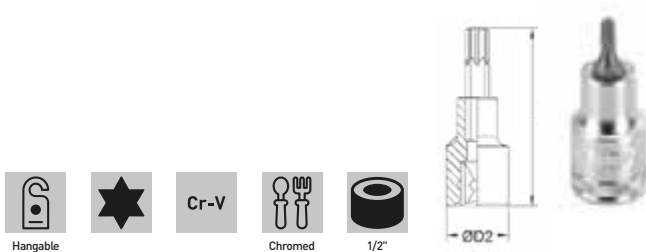
Art.	Size	D1	D2	Length
BN4P3L010A	10 mm	15 mm	22 mm	77 mm
BN4P3L011A	11 mm	16,3 mm	22 mm	77 mm
BN4P3L012A	12 mm	17,6 mm	22 mm	77 mm
BN4P3L013A	13 mm	18,8 mm	22 mm	77 mm
BN4P3L014A	14 mm	20,4 mm	22 mm	77 mm
BN4P3L015A	15 mm	21 mm	22 mm	77 mm
BN4P3L016A	16 mm	22 mm	20,5 mm	77 mm
BN4P3L017A	17 mm	24 mm	22 mm	77 mm
BN4P3L018A	18 mm	25,4 mm	22 mm	77 mm
BN4P3L019A	19 mm	26 mm	22 mm	77 mm
BN4P3L020A	20 mm	28 mm	22 mm	77 mm
BN4P3L021A	21 mm	28 mm	22 mm	77 mm
BN4P3L022A	22 mm	30 mm	26 mm	77 mm
BN4P3L023A	23 mm	31,6 mm	26 mm	77 mm
BN4P3L024A	24 mm	32 mm	26 mm	77 mm
BN4P3L027A	27 mm	36 mm	28 mm	77 mm
BN4P3L030A	30 mm	40 mm	28 mm	77 mm
BN4P3L032A	32 mm	42 mm	28 mm	77 mm

BN413NX
HEX BIT SOCKET


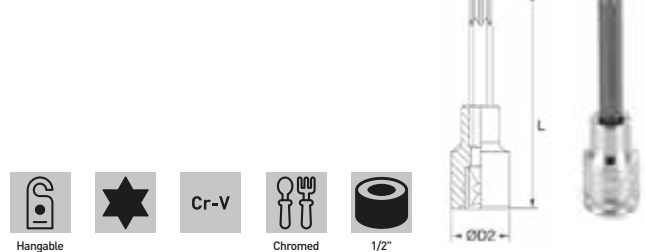
Art.	Size	D2	Length
BN413N004A	4 mm	22 mm	55 mm
BN413N005A	5 mm	22 mm	55 mm
BN413N006A	6 mm	22 mm	55 mm
BN413N007A	7 mm	22 mm	55 mm
BN413N008A	8 mm	22 mm	55 mm
BN413N010A	10 mm	22 mm	55 mm
BN413N012A	12 mm	22 mm	55 mm
BN413N014A	14 mm	24 mm	55 mm
BN413N017A	17 mm	26 mm	55 mm
BN413N019A	19 mm	28 mm	55 mm

BN413LX
LONG HEX BIT SOCKET


Art.	Size	D2	Length
BN413L004A	4 mm	22 mm	100 mm
BN413L005A	5 mm	22 mm	100 mm
BN413L006A	6 mm	22 mm	100 mm
BN413L007A	7 mm	22 mm	100 mm
BN413L008A	8 mm	22 mm	100 mm
BN413L010A	10 mm	22 mm	100 mm
BN413L012A	12 mm	22 mm	100 mm
BN413L014A	14 mm	24 mm	100 mm
BN413L017A	17 mm	26 mm	100 mm
BN413L019A	19 mm	28 mm	100 mm

BN423NX
TORX BIT SOCKET


Art.	Size	D2	Length
BN423N020A	T20	22 mm	55 mm
BN423N025A	T25	22 mm	55 mm
BN423N027A	T27	22 mm	55 mm
BN423N030A	T30	22 mm	55 mm
BN423N040A	T40	22 mm	55 mm
BN423N045A	T45	22 mm	55 mm
BN423N050A	T50	22 mm	55 mm
BN423N055A	T55	22 mm	55 mm
BN423N060A	T60	22 mm	55 mm
BN423N070A	T70	22 mm	55 mm

BN423LX
LONG TORX BIT SOCKET


Art.	Size	D2	Length
BN423L020A	T20	22 mm	100 mm
BN423L025A	T25	22 mm	100 mm
BN423L027A	T27	22 mm	100 mm
BN423L030A	T30	22 mm	100 mm
BN423L040A	T40	22 mm	100 mm
BN423L045A	T45	22 mm	100 mm
BN423L050A	T50	22 mm	100 mm
BN423L055A	T55	22 mm	100 mm
BN423L060A	T60	22 mm	100 mm
BN423L070A	T70	22 mm	100 mm

BN433NX
RIBE BIT SOCKET


Art.	Size	D2	Length
BN433N008A	M 8	22 mm	55 mm
BN433N009A	M 9	22 mm	55 mm
BN433N010A	M 10	22 mm	55 mm
BN433N012A	M 12	22 mm	55 mm
BN433N013A	M 13	24 mm	55 mm
BN433N014A	M 14	24 mm	55 mm

BN433LX
LONG RIBE BIT SOCKET


Art.	Size	D2	Length
BN433L008A	M 8	24 mm	100 mm
BN433L009A	M 9	24 mm	100 mm
BN433L010A	M 10	24 mm	100 mm
BN433L012A	M 12	24 mm	100 mm
BN433L013A	M 13	24 mm	100 mm
BN433L014A	M 14	24 mm	100 mm



BN443NX

XZN BIT SOCKET



Art.	Size	D2	Length
BN443N005A	M 5	22 mm	55 mm
BN443N006A	M 6	22 mm	55 mm
BN443N008A	M 8	22 mm	55 mm
BN443N009A	M 9	22 mm	55 mm
BN443N010A	M 10	22 mm	55 mm
BN443N012A	M 12	22 mm	55 mm
BN443N014A	M 14	24 mm	55 mm
BN443N016A	M 16	24 mm	55 mm

BN443LX

LONG XZN BIT SOCKET



Art.	Size	D2	Length
BN443L005A	M 5	22 mm	100 mm
BN443L006A	M 6	22 mm	100 mm
BN443L008A	M 8	22 mm	100 mm
BN443L009A	M 9	22 mm	100 mm
BN443L010A	M 10	22 mm	100 mm
BN443L012A	M 12	22 mm	100 mm
BN443L014A	M 14	24 mm	100 mm
BN443L016A	M 16	24 mm	100 mm

BN4C3LX

SPARK PLUG SOCKET



Art.	Size	Length
BN4C3L016A	16 mm	65 mm
BN4C3L018A	18 mm	65 mm
BN4C3L021A	21 mm	65 mm

PN403NX

EXTENSION BAR



Art.	Length
PN403N050A	50 mm
PN403N075A	75 mm
PN403N150A	150 mm
PN403N250A	250 mm

EN403NX

WOBBLE EXTENSION BAR



Art.	Dr.	Length
EN403N050A	1/2"	50 mm
EN403N075A	1/2"	75 mm
EN403N125A	1/2"	125 mm
EN403N250A	1/2"	250 mm
EN403N500A	1/2"	500 mm

LN400N1/2A

SLIDING T BAR



Length	300 mm
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RN4034NA

ADAPTER



Length	36 mm
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RN4032NA

ADAPTER



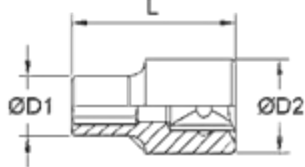
Length	46 mm
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JN403NA

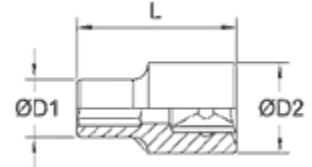
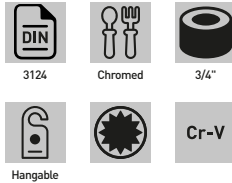
UNIVERSAL JOINT



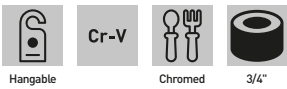
Length	75 mm
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BN4E2NX
STANDARD 6 POINT HAND SOCKET


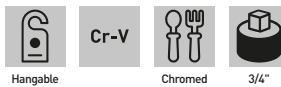
Art.	Size	D1	D2	Length
BN4E2N019	19 mm	30 mm	36 mm	50 mm
BN4E2N020	20 mm	31 mm	36 mm	50 mm
BN4E2N021	21 mm	32 mm	36 mm	50 mm
BN4E2N022	22 mm	33 mm	36 mm	50 mm
BN4E2N023	23 mm	34 mm	36 mm	50 mm
BN4E2N024	24 mm	35 mm	36 mm	50 mm
BN4E2N025	25 mm	36 mm	35 mm	52 mm
BN4E2N026	26 mm	37 mm	36 mm	52 mm
BN4E2N027	27 mm	38 mm	36 mm	52 mm
BN4E2N028	28 mm	39 mm	38 mm	52 mm
BN4E2N029	29 mm	40 mm	38 mm	52 mm
BN4E2N030	30 mm	42 mm	38 mm	54 mm
BN4E2N032	32 mm	43 mm	38 mm	56 mm
BN4E2N033	33 mm	44 mm	38 mm	56 mm
BN4E2N034	34 mm	46 mm	38 mm	56 mm
BN4E2N035	35 mm	47 mm	42 mm	56 mm
BN4E2N036	36 mm	48 mm	42 mm	58 mm
BN4E2N038	38 mm	50 mm	42 mm	58 mm
BN4E2N041	41 mm	52 mm	45 mm	60 mm
BN4E2N046	46 mm	56 mm	45 mm	64 mm
BN4E2N050	50 mm	62 mm	48 mm	68 mm
BN4E2N055	55 mm	68 mm	48 mm	72 mm
BN4E2N060	60 mm	74 mm	48 mm	76 mm

BN4P2NX
STANDARD 12 POINT HAND SOCKET


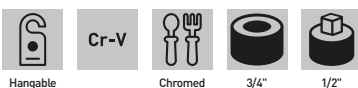
Art.	Size	D1	D2	Length
BN4P2N019	19 mm	30 mm	36 mm	50 mm
BN4P2N020	20 mm	31 mm	36 mm	50 mm
BN4P2N021	21 mm	32 mm	36 mm	50 mm
BN4P2N022	22 mm	33 mm	36 mm	50 mm
BN4P2N023	23 mm	34 mm	36 mm	50 mm
BN4P2N024	24 mm	35 mm	36 mm	50 mm
BN4P2N025	25 mm	36 mm	35 mm	52 mm
BN4P2N026	26 mm	37 mm	36 mm	52 mm
BN4P2N027	27 mm	38 mm	36 mm	52 mm
BN4P2N028	28 mm	39 mm	38 mm	52 mm
BN4P2N029	29 mm	40 mm	38 mm	52 mm
BN4P2N030	30 mm	42 mm	38 mm	54 mm
BN4P2N032	32 mm	43 mm	38 mm	56 mm
BN4P2N033	33 mm	44 mm	38 mm	56 mm
BN4P2N034	34 mm	46 mm	38 mm	56 mm
BN4P2N035	35 mm	47 mm	42 mm	56 mm
BN4P2N036	36 mm	48 mm	42 mm	58 mm
BN4P2N038	38 mm	50 mm	42 mm	58 mm
BN4P2N041	41 mm	52 mm	45 mm	60 mm
BN4P2N046	46 mm	56 mm	45 mm	64 mm
BN4P2N050	50 mm	62 mm	48 mm	68 mm
BN4P2N055	55 mm	68 mm	48 mm	72 mm
BN4P2N060	60 mm	74 mm	48 mm	76 mm

PN402NX
EXTENSION BAR


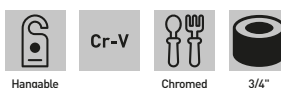
Art.	Length
PN402N200A	200 mm
PN402N400A	400 mm

LN400N3/4A
SLIDING T BAR


Length	500 mm
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RN4023NA
ADAPTER


Length	50 mm
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JN402NA
UNIVERSAL JOINT


Length	110 mm
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0795/2

MULTILOCK SOCKET SET

Suitable for metric, inch, torx and XZN bolt.



19 Pcs Carrying case
Cr-V Chromed 1/2"

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

E-TORX SOCKET SET

Suitable for torx bolt.



28 Pcs Carrying case
Cr-V Chromed 1/4" | 3/8" | 1/2"

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

LOW PROFILE 12 POINT SOCKET SET

Composed of 12 sockets and 1 60t ratchet handle, suitable for operations in small spaces.



13 Pcs Box
Cr-V Chromed 3/8"

Socket	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm
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0795/1

MULTILOCK SOCKET SET

Suitable for metric, inch, torx and XZN bolt.



13 Pcs Carrying case
Cr-V Chromed 1/4"

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

LOW PROFILE 12 POINT SOCKET SET

Composed of 11 sockets and 1 60t ratchet handle, suitable for operations in small spaces.



12 Pcs Box
Cr-V Chromed 1/4"

Socket	4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm
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SN4E3C015

LOW PROFILE 12 POINT SOCKET SET

Composed of 14 sockets and 1 60t ratchet handle, suitable for operations in small spaces.



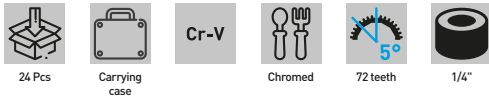
15 Pcs Box
Cr-V Chromed 1/2"

Socket	8, 10, 11, 12, 13, 14, 15, 17, 18, 19, 21, 22, 23, 24 mm
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0589

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

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

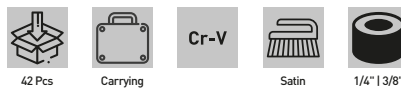
1/4" DR. 6 POINT SAE SOCKET SET



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

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

1/2" DR. SOCKET SET



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

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.



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

1/2" DR. SOCKET SET



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

3/4" DR. SOCKET SET



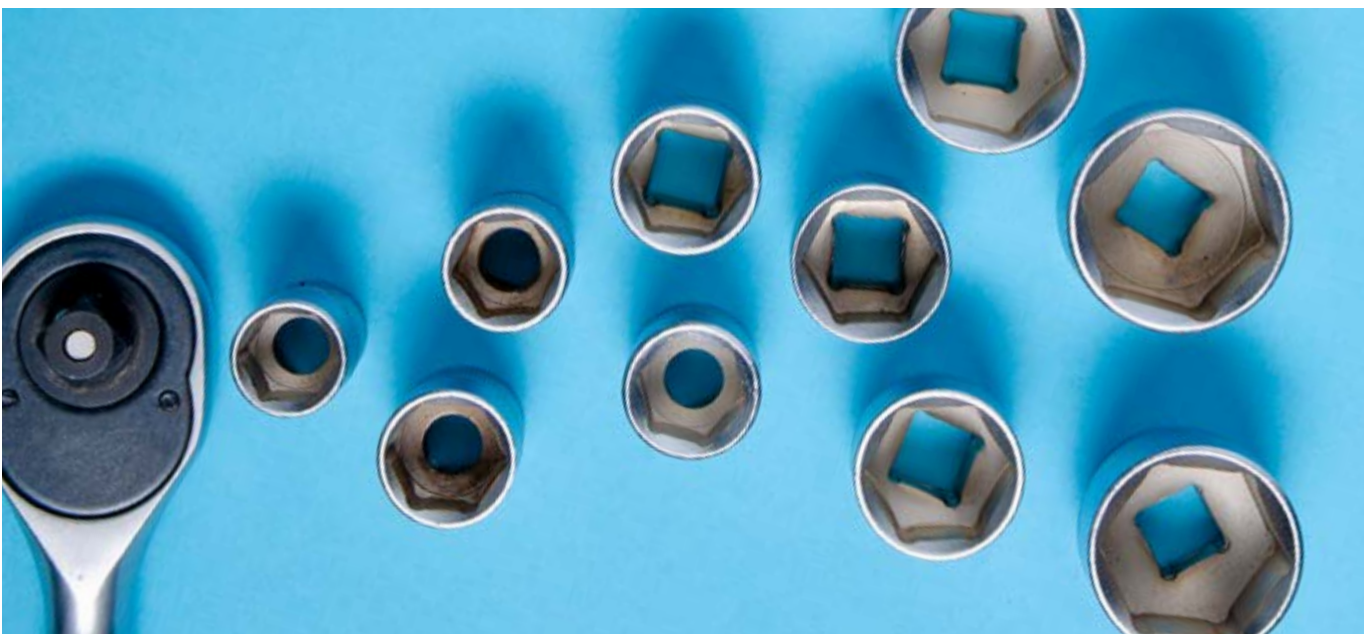
Sizes	19 - 21 - 22 - 23 - 24 - 26 - 27 - 30 - 32 - 34 - 36 - 38 - 41 - 46 - 48 - 50 mm
Ratchet handle	3/4"
Sliding T-bar	3/4"
Extension bars	3/4" : 100 - 200 mm

0622
SOCKET TORX BIT SET

Sizes T20 - T25 - T27 - T30 - T40 T45 - T50 - T55 - T60 - T70

S108
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 30 mm : 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

1/2" & 1/4" DR. SOCKET SET



94 Pcs



Carrying case



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 30 mm : 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

DR. SOCKET SET



179 Pcs



Carrying case



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

Cr-Mo

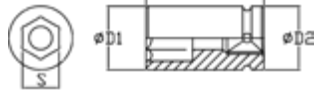

Phosphated



1/2"



3124



Art.	Size	D1	D2	Length
BI4E3N008	8 mm	15 mm	24 mm	38 mm
BI4E3N009	9 mm	16 mm	24 mm	38 mm
BI4E3N010	10 mm	17,5 mm	24 mm	38 mm
BI4E3N011	11 mm	18,5 mm	24 mm	38 mm
BI4E3N012	12 mm	19,5 mm	24 mm	38 mm
BI4E3N013	13 mm	20,5 mm	24 mm	38 mm
BI4E3N014	14 mm	22 mm	24 mm	38 mm
BI4E3N015	15 mm	24 mm	24 mm	38 mm
BI4E3N016	16 mm	24 mm	24 mm	38 mm
BI4E3N017	17 mm	26 mm	26 mm	38 mm
BI4E3N018	18 mm	28 mm	28 mm	38 mm
BI4E3N019	19 mm	28 mm	28 mm	38 mm
BI4E3N020	20 mm	30 mm	30 mm	38 mm
BI4E3N021	21 mm	30 mm	30 mm	38 mm
BI4E3N022	22 mm	32 mm	30 mm	38 mm
BI4E3N023	23 mm	34 mm	30 mm	38 mm
BI4E3N024	24 mm	34 mm	30 mm	38 mm
BI4E3N025	25 mm	36 mm	30 mm	38 mm
BI4E3N026	26 mm	36 mm	30 mm	38 mm
BI4E3N027	27 mm	38 mm	30 mm	42 mm
BI4E3N028	28 mm	40 mm	30 mm	42 mm
BI4E3N029	29 mm	42 mm	30 mm	42 mm
BI4E3N030	30 mm	42 mm	30 mm	42 mm
BI4E3N031	31 mm	44 mm	30 mm	42 mm
BI4E3N032	32 mm	44 mm	30 mm	44 mm

BI4E3LX
DEEP IMPACT SOCKET

Cr-Mo

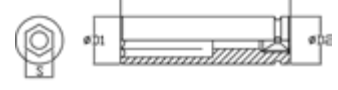

Phosphated



1/2"



3124



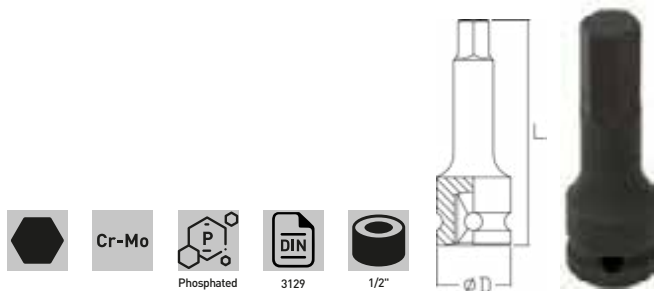
Art.	Size	D1	D2	Length
BI4E3L008	8 mm	15 mm	24 mm	78 mm
BI4E3L009	9 mm	16 mm	24 mm	78 mm
BI4E3L010	10 mm	17,5 mm	24 mm	78 mm
BI4E3L011	11 mm	18,5 mm	24 mm	78 mm
BI4E3L012	12 mm	19,5 mm	24 mm	78 mm
BI4E3L013	13 mm	20,5 mm	24 mm	78 mm
BI4E3L014	14 mm	22 mm	24 mm	78 mm
BI4E3L015	15 mm	24 mm	24 mm	78 mm
BI4E3L016	16 mm	24 mm	24 mm	78 mm
BI4E3L017	17 mm	26 mm	26 mm	78 mm
BI4E3L018	18 mm	28 mm	28 mm	78 mm
BI4E3L019	19 mm	28 mm	28 mm	78 mm
BI4E3L020	20 mm	30 mm	30 mm	78 mm
BI4E3L021	21 mm	30 mm	30 mm	78 mm
BI4E3L022	22 mm	32 mm	30 mm	78 mm
BI4E3L023	23 mm	34 mm	30 mm	78 mm
BI4E3L024	24 mm	34 mm	30 mm	78 mm
BI4E3L025	25 mm	36 mm	30 mm	78 mm
BI4E3L026	26 mm	36 mm	30 mm	78 mm
BI4E3L027	27 mm	38 mm	30 mm	78 mm
BI4E3L028	28 mm	40 mm	30 mm	78 mm
BI4E3L029	29 mm	42 mm	30 mm	78 mm
BI4E3L030	30 mm	42 mm	30 mm	78 mm
BI4E3L031	31 mm	44 mm	30 mm	78 mm
BI4E3L032	32 mm	44 mm	30 mm	78 mm





BI413LOX

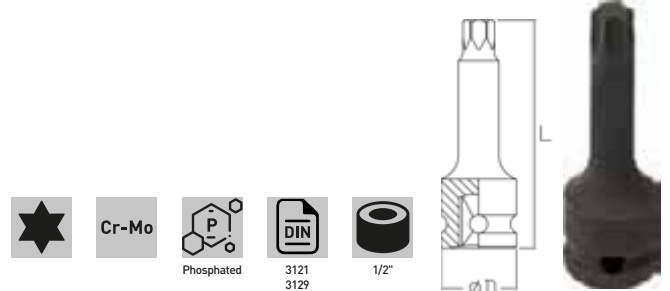
IMPACT HEX BIT SOCKET



Art.	Size	D	Length
BI413L004	4 mm	25 mm	78 mm
BI413L005	5 mm	25 mm	78 mm
BI413L006	6 mm	25 mm	78 mm
BI413L008	8 mm	25 mm	78 mm
BI413L010	10 mm	25 mm	78 mm
BI413L012	12 mm	25 mm	78 mm
BI413L014	14 mm	25 mm	78 mm
BI413L017	17 mm	25 mm	78 mm
BI413L019	19 mm	25 mm	78 mm

BI423LX

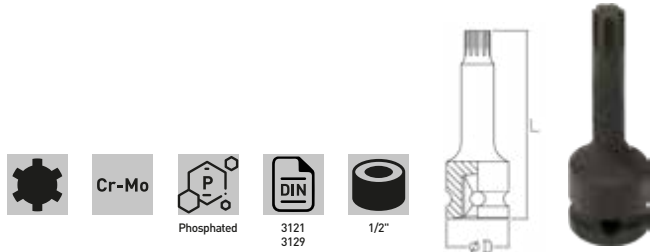
IMPACT TORX BIT SOCKET



Art.	Size	D	Length
BI423L025	T25	25 mm	78 mm
BI423L027	T27	25 mm	78 mm
BI423L030	T30	25 mm	78 mm
BI423L040	T40	25 mm	78 mm
BI423L045	T45	25 mm	78 mm
BI423L050	T50	25 mm	78 mm
BI423L060	T60	25 mm	78 mm
BI423L070	T70	25 mm	78 mm
BI423L080	T80	25 mm	78 mm

BI433MX

IMPACT RIBE BIT SOCKET



Art.	Size	D	Length
BI433M004	4	25 mm	60 mm
BI433M005	5	25 mm	60 mm
BI433M006	6	25 mm	60 mm
BI433M007	7	25 mm	60 mm
BI433M008	8	25 mm	60 mm
BI433M009	9	25 mm	60 mm
BI433M010	10	25 mm	60 mm
BI433M012	12	25 mm	60 mm
BI433M014	14	25 mm	60 mm
BI433M016	16	25 mm	60 mm
BI433M018	18	25 mm	60 mm

BI443MX

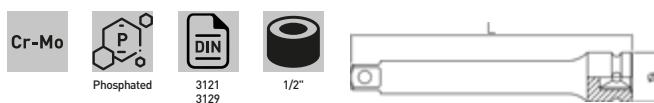
IMPACT XZN BIT SOCKET



Art.	Size	D	Length
BI443M004	4	25 mm	60 mm
BI443M005	5	25 mm	60 mm
BI443M006	6	25 mm	60 mm
BI443M008	8	25 mm	60 mm
BI443M010	10	25 mm	60 mm
BI443M012	12	25 mm	60 mm
BI443M014	14	25 mm	60 mm
BI443M016	16	25 mm	60 mm
BI443M018	18	25 mm	60 mm
BI443M020	20	25 mm	60 mm

PI403X

IMPACT EXTENSION BAR



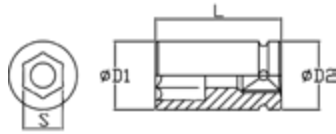
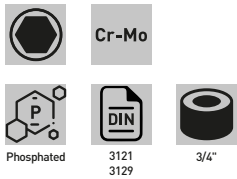
Art.	D	Length
PI403075	25 mm	75 mm
PI403125	25 mm	125 mm
PI403150	25 mm	150 mm
PI403250	25 mm	250 mm

PI453X

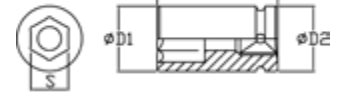
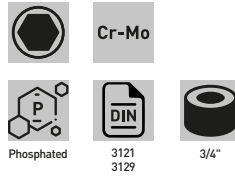
QUICK RELEASE IMPACT EXTENSION BAR



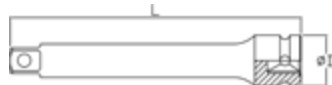
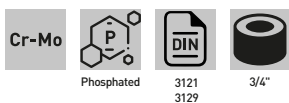
Art.	D	Length
PI453075	25 mm	75 mm
PI453150	25 mm	125 mm
PI453250	25 mm	250 mm

BI4E2NX
STANDARD IMPACT SOCKET


Art.	Size	D1	D2	Length
BI4E2N018	18 mm	30 mm	44 mm	51 mm
BI4E2N019	19 mm	32 mm	44 mm	51 mm
BI4E2N020	20 mm	33 mm	44 mm	51 mm
BI4E2N021	21 mm	35 mm	44 mm	51 mm
BI4E2N022	22 mm	36 mm	44 mm	51 mm
BI4E2N023	23 mm	38 mm	44 mm	51 mm
BI4E2N024	24 mm	39 mm	44 mm	51 mm
BI4E2N025	25 mm	41 mm	44 mm	54 mm
BI4E2N026	26 mm	41 mm	44 mm	54 mm
BI4E2N027	27 mm	42 mm	44 mm	54 mm
BI4E2N028	28 mm	44 mm	44 mm	54 mm
BI4E2N029	29 mm	46 mm	44 mm	54 mm
BI4E2N030	30 mm	46 mm	44 mm	54 mm
BI4E2N032	32 mm	48 mm	44 mm	57 mm
BI4E2N033	33 mm	50 mm	44 mm	57 mm
BI4E2N034	34 mm	52 mm	44 mm	57 mm
BI4E2N035	35 mm	52 mm	44 mm	57 mm
BI4E2N036	36 mm	54 mm	44 mm	57 mm
BI4E2N038	38 mm	56 mm	44 mm	57 mm
BI4E2N041	41 mm	60 mm	44 mm	58 mm
BI4E2N046	46 mm	66 mm	44 mm	68 mm
BI4E2N050	50 mm	71 mm	54 mm	68 mm
BI4E2N055	55 mm	77 mm	54 mm	73 mm
BI4E2N060	60 mm	84 mm	54 mm	75 mm
BI4E2N065	65 mm	88 mm	54 mm	78 mm

BI4E2LX
DEEP IMPACT SOCKET


Art.	Size	D1	D2	Length
BI4E2L018	18 mm	30 mm	44 mm	90 mm
BI4E2L019	19 mm	32 mm	44 mm	90 mm
BI4E2L020	20 mm	33 mm	44 mm	90 mm
BI4E2L021	21 mm	35 mm	44 mm	90 mm
BI4E2L022	22 mm	36 mm	44 mm	90 mm
BI4E2L023	23 mm	38 mm	44 mm	90 mm
BI4E2L024	24 mm	39 mm	44 mm	90 mm
BI4E2L025	25 mm	41 mm	44 mm	90 mm
BI4E2L026	26 mm	41 mm	44 mm	90 mm
BI4E2L027	27 mm	42 mm	44 mm	90 mm
BI4E2L028	28 mm	44 mm	44 mm	90 mm
BI4E2L029	29 mm	46 mm	44 mm	90 mm
BI4E2L030	30 mm	46 mm	44 mm	90 mm
BI4E2L032	32 mm	48 mm	44 mm	90 mm
BI4E2L033	33 mm	50 mm	44 mm	90 mm
BI4E2L034	34 mm	52 mm	44 mm	90 mm
BI4E2L035	35 mm	52 mm	44 mm	90 mm
BI4E2L036	36 mm	54 mm	44 mm	90 mm
BI4E2L038	38 mm	56 mm	44 mm	90 mm
BI4E2L041	41 mm	60 mm	44 mm	90 mm
BI4E2L046	46 mm	66 mm	44 mm	90 mm
BI4E2L050	50 mm	71 mm	54 mm	90 mm

PI402X
IMPACT EXTENSION BAR


Art.	D	Length
PI402175	44 mm	175 mm
PI402200	44 mm	200 mm
PI402300	44 mm	300 mm
PI402400	44 mm	400 mm





BI4E1NX

STANDARD IMPACT SOCKET



Art.	Size	D1	D2	Length
BI4E1N021	21 mm	38 mm	54 mm	58 mm
BI4E1N022	22 mm	39 mm	54 mm	58 mm
BI4E1N023	23 mm	41 mm	54 mm	58 mm
BI4E1N024	24 mm	42 mm	54 mm	58 mm
BI4E1N025	25 mm	43 mm	54 mm	58 mm
BI4E1N026	26 mm	44 mm	54 mm	58 mm
BI4E1N027	27 mm	46 mm	54 mm	58 mm
BI4E1N028	28 mm	47 mm	54 mm	58 mm
BI4E1N029	29 mm	48 mm	54 mm	58 mm
BI4E1N030	30 mm	49 mm	54 mm	62 mm
BI4E1N031	31 mm	50 mm	54 mm	62 mm
BI4E1N032	32 mm	52 mm	54 mm	62 mm
BI4E1N033	33 mm	54 mm	54 mm	62 mm
BI4E1N034	34 mm	54 mm	54 mm	62 mm
BI4E1N035	35 mm	54 mm	54 mm	62 mm
BI4E1N036	36 mm	56 mm	54 mm	65 mm
BI4E1N037	37 mm	57 mm	54 mm	65 mm
BI4E1N038	38 mm	58 mm	54 mm	65 mm
BI4E1N039	39 mm	59 mm	54 mm	65 mm
BI4E1N040	40 mm	60 mm	54 mm	65 mm
BI4E1N041	41 mm	61 mm	54 mm	68 mm
BI4E1N042	42 mm	64 mm	54 mm	68 mm
BI4E1N043	43 mm	66 mm	54 mm	68 mm
BI4E1N044	44 mm	66 mm	54 mm	68 mm
BI4E1N045	45 mm	67 mm	54 mm	68 mm
BI4E1N046	46 mm	68 mm	54 mm	72 mm
BI4E1N047	47 mm	69 mm	54 mm	72 mm
BI4E1N048	48 mm	70 mm	54 mm	72 mm
BI4E1N050	50 mm	74 mm	54 mm	75 mm
BI4E1N052	52 mm	75 mm	54 mm	75 mm
BI4E1N054	54 mm	78 mm	54 mm	80 mm
BI4E1N055	55 mm	80 mm	54 mm	83 mm
BI4E1N056	56 mm	81 mm	54 mm	83 mm
BI4E1N060	60 mm	86 mm	54 mm	87 mm
BI4E1N065	65 mm	92 mm	54 mm	90 mm
BI4E1N070	70 mm	97 mm	54 mm	93 mm
BI4E1N075	75 mm	104 mm	86 mm	95 mm
BI4E1N080	80 mm	112 mm	86 mm	95 mm
BI4E1N085	85 mm	115 mm	86 mm	100 mm
BI4E1N090	90 mm	124 mm	86 mm	105 mm
BI4E1N095	95 mm	130 mm	86 mm	105 mm
BI4E1N100	100 mm	135 mm	86 mm	105 mm

BI4E1LX

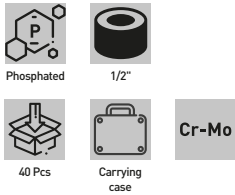
DEEP IMPACT SOCKET



Art.	Size	D1	D2	Length
BI4E1L021	21 mm	38 mm	54 mm	90 mm
BI4E1L022	22 mm	39 mm	54 mm	90 mm
BI4E1L023	23 mm	41 mm	54 mm	90 mm
BI4E1L024	24 mm	42 mm	54 mm	90 mm
BI4E1L027	27 mm	46 mm	54 mm	90 mm
BI4E1L028	28 mm	47 mm	54 mm	90 mm
BI4E1L030	30 mm	49 mm	54 mm	90 mm
BI4E1L032	32 mm	52 mm	54 mm	90 mm
BI4E1L033	33 mm	54 mm	54 mm	90 mm
BI4E1L034	34 mm	54 mm	54 mm	90 mm
BI4E1L035	35 mm	54 mm	54 mm	90 mm
BI4E1L036	36 mm	56 mm	54 mm	90 mm
BI4E1L038	38 mm	58 mm	54 mm	95 mm
BI4E1L039	39 mm	59 mm	54 mm	95 mm
BI4E1L040	40 mm	60 mm	54 mm	95 mm
BI4E1L041	41 mm	61 mm	54 mm	95 mm
BI4E1L042	42 mm	64 mm	54 mm	95 mm
BI4E1L043	43 mm	66 mm	54 mm	95 mm
BI4E1L044	44 mm	66 mm	54 mm	95 mm
BI4E1L045	45 mm	67 mm	54 mm	95 mm
BI4E1L046	46 mm	68 mm	54 mm	95 mm
BI4E1L048	48 mm	70 mm	54 mm	100 mm
BI4E1L049	49 mm	72 mm	54 mm	100 mm
BI4E1L050	50 mm	74 mm	54 mm	100 mm
BI4E1L051	51 mm	74 mm	54 mm	100 mm
BI4E1L052	52 mm	74 mm	54 mm	100 mm
BI4E1L054	54 mm	78 mm	54 mm	100 mm
BI4E1L055	55 mm	80 mm	54 mm	105 mm
BI4E1L057	57 mm	82 mm	54 mm	105 mm
BI4E1L060	60 mm	86 mm	54 mm	110 mm
BI4E1L065	65 mm	92 mm	54 mm	115 mm
BI4E1L070	70 mm	97 mm	54 mm	120 mm
BI4E1L075	75 mm	104 mm	86 mm	135 mm
BI4E1L080	80 mm	112 mm	86 mm	135 mm
BI4E1L085	85 mm	115 mm	86 mm	140 mm
BI4E1L090	90 mm	124 mm	86 mm	140 mm
BI4E1L095	95 mm	130 mm	86 mm	140 mm

I340

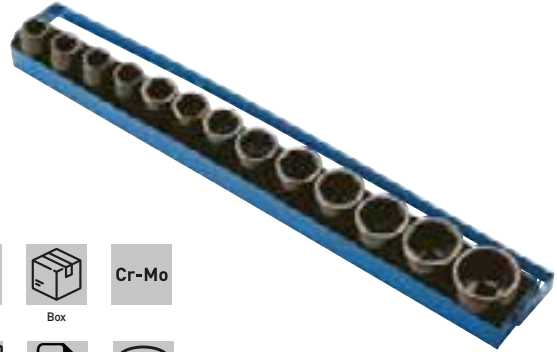
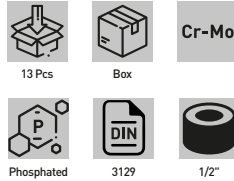
STANDARD & DEEP IMPACT SOCKET SET



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

SI4E3N013

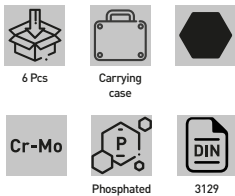
STANDARD IMPACT SOCKET SET



Socket	10, 11, 12, 13, 14, 16, 17, 19, 21, 22, 24, 27, 30 mm
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SI413M006

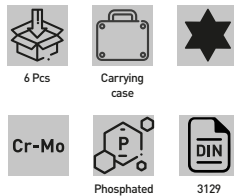
IMPACT HEX BIT SOCKET SET



Socket	8, 10, 12, 14, 17, 19 mm
Length	60 mm

SI423M006

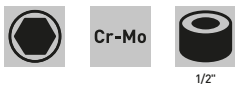
IMPACT TORX BIT SOCKET SET



Length	60 mm
Socket	T40, T45, T50, T55, T60, T70

0341-X

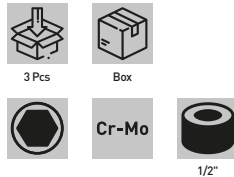
IMPACT HEX SOCKET WITH PLASTIC SLEEVE



Art.	Size	Length
0341/17	17 mm	87 mm
0341/19	19 mm	87 mm
0341/21	21 mm	87 mm
0341/22	22 mm	87 mm
0341/24	24 mm	87 mm

0341

DEEP IMPACT HEX SOCKET SET WITH PLASTIC SLEEVE

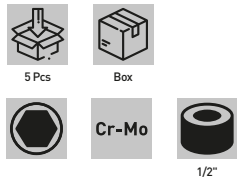


Sizes	17 - 19 - 21 mm
Length	87 mm



0341/5S

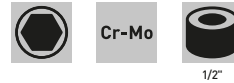
IMPACT HEX SOCKET SET WITH PLASTIC SLEEVE



Sizes	17 - 19 - 21 - 22 - 24 mm
Length	87 mm

0341-XL

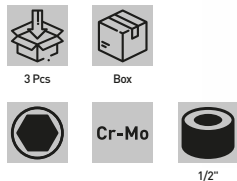
LONG IMPACT HEX SOCKET WITH PLASTIC SLEEVE



Art.	Size	Length
0341/17L	17 mm	150 mm
0341/19L	19 mm	150 mm
0341/21L	21 mm	150 mm

0341/3LS

IMPACT HEX SOCKET SET WITH PLASTIC SLEEVE



Sizes	17 - 19 - 21 mm
Length	150 mm

0341-SX

PLASTIC SLEEVE FOR HEX IMPACT SOCKETS

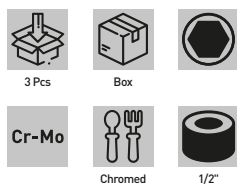


Plastic

Art.	€	Size
0341/S19	€ 1,03	19 mm
0341/S21	€ 1,03	21 mm
0341/S22	€ 1,03	22 mm
0341/S24	€ 1,03	24 mm

I306

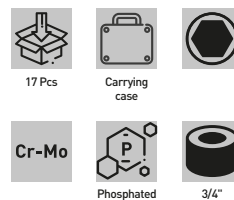
LONG IMPACT SOCKET SET



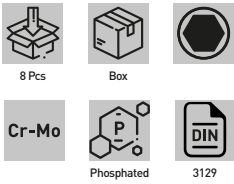
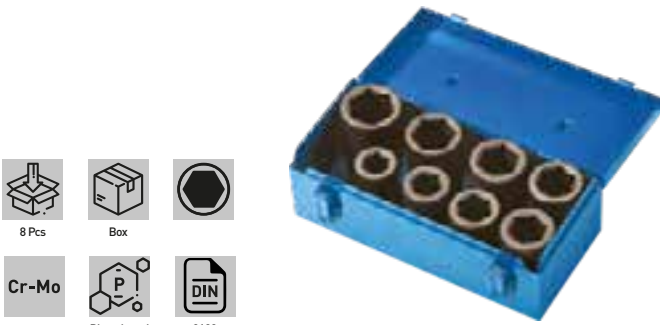
Sizes	17 - 19 - 21 mm
Length	150 mm

I217

METRIC STANDARD IMPACT SOCKET SET

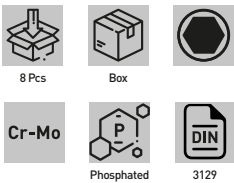


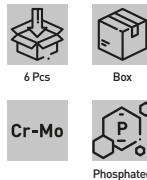
Sizes	19 - 21 - 22 - 24 - 27 - 30 - 32 - 33 - 34 - 35 - 36 - 38 - 40 - 41 - 46 - 50 - 55 mm
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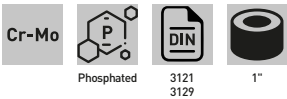
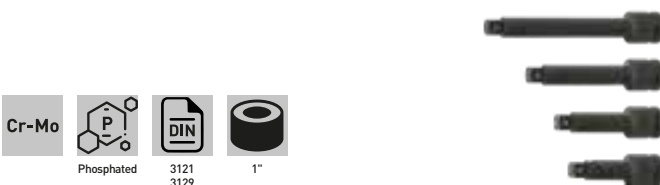
SI4E2N008
STANDARD IMPACT SOCKET SET

Socket 26, 27, 29, 30, 32, 35, 36, 38 mm

I109
IMPACT SOCKET SET

1" Dr. sockets 21 - 22 - 24 - 26 - 30 - 38 mm
1" Dr. deep sockets 27 - 28 - 32 mm

SI4E1N008
STANDARD IMPACT SOCKET SET

Socket 24, 27, 30, 32, 33, 36, 38, 41 mm

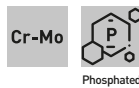
SI40N006
IMPACT ADAPTER SET

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"
Blow mould case 126 x 100 x 52 mm

PI401X
IMPACT EXTENSION BAR


Art.	D	Length
PI401175	54 mm	175 mm
PI401200	54 mm	200 mm
PI401250	54 mm	250 mm
PI401300	54 mm	300 mm
PI401400	54 mm	400 mm

JI40XL
IMPACT UNIVERSAL JOINT

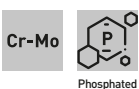
Heavy duty, 3/4" dr., made of 42CRMO2 alloy steel.



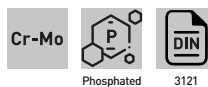
Art.	Dr.	Length	D
JI401L	1"	130 mm	54 mm
JI402L	3/4"	105 mm	44 mm

JI40XN
IMPACT UNIVERSAL JOINT

1" dr., made of 42crmo2 alloy steel.



Art.	Dr.	D	Length
JI401N	1"	54 mm	115 mm
JI402N	3/4"	44 mm	90 mm
JI403N	1/2"	30 mm	63 mm

RI40X
IMPACT ADAPTER


Art.	Female junction	Shank	D	Length
RI4012N	1"	3/4"	54 mm	70 mm
RI4021N	3/4"	1"	44 mm	63 mm
RI4023N	3/4"	1/2"	44 mm	58 mm
RI4032N	1/2"	3/4"	30 mm	48 mm



0088

MAGNETIC EXTRACTOR WITH LIGHT



Hangable



Alu

Aluminum

Sizes $\varnothing 9 / 17 \times 430$ mm
Not included batteries 2 x 1.5 VAA

0456

O RING HOOK SET

Equipped of hex handle with magnet.



4 Pcs



Hangable



Steel



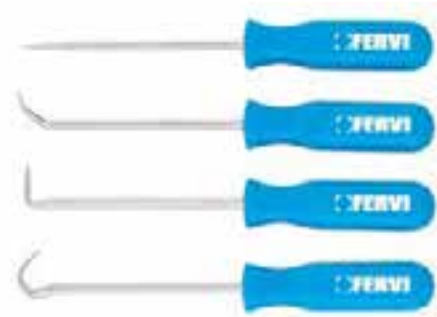
Chromed

Handle dimensions 8 x 90 mm

0471

O-RING REMOVAL SET

Suitable for removing motor seals.



4 Pcs



Hangable



Steel



Chromed

Length 135 mm

E003

HSS SCREW EXTRACTOR SET

	5 Pcs		Hangable		HSS		1/4"
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

SCREW EXTRACTOR SET



5 Pcs



Box



Steel

num. 1	M3 - M6
num. 2	M6 - M8
num. 3	M8 - M11
num. 4	M11 - M14
num. 5	M14 - M18

E005

BOLT REMOVER SET

External hex.



11 Pcs



Box



Cr-Mo



3/8"

Sizes 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 19 mm
Height 27 mm

E191-
3 JAW GEAR PULLER



Art.	Dimensions
E191/120	Max Ø 120 mm - h 101 mm
E191/200	Max Ø 200 mm - h 150 mm

E190-
2 JAW GEAR PULLER



Art.	Dimensions
E190/080	Max Ø 80 mm - h 100 mm
E190/130	Max Ø 130 mm - h 100 mm
E190/160	Max Ø 160 mm - h 150 mm
E190/200	Max Ø 200 mm - h 150 mm

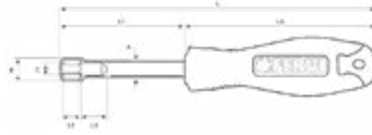
E190-BX
EXTENDED JAWS



Art.	Length
E190/B2	300 mm

**CB01-****NUT DRIVER WITH PLASTIC HANDLE**

Ansi.



Hangable



Cr-V

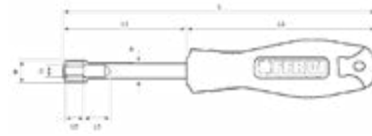


Chromed

Art.	Size	L	L1	L2	L3	L4	A	B	C
CB01/04	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 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	5,5 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	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	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	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	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	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	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	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	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.



Hangable



Cr-V

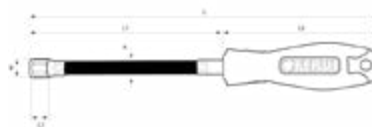


Chromed

Art.	Size	L	L1	L2	L3	L4	A	B	C
CB02/04	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	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	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	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 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	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	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	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	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	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	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.



Hangable



Cr-V

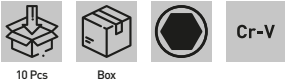
Art.	Size	L	L1	L2	L3	A	B
CBF1/05	5 mm	265 mm	150 mm	9,5 mm	115 mm	ø 11 mm	ø 11,8 mm
CBF1/055	5,5 mm	265 mm	150 mm	9,5 mm	115 mm	ø 11 mm	ø 11,8 mm
CBF1/06	6 mm	265 mm	150 mm	9,5 mm	115 mm	ø 11 mm	ø 11,8 mm
CBF1/07	7 mm	265 mm	150 mm	9,5 mm	115 mm	ø 11 mm	ø 11,8 mm
CBF1/08	8 mm	265 mm	150 mm	9,5 mm	115 mm	ø 11 mm	ø 11,8 mm
CBF1/09	9 mm	265 mm	150 mm	9,5 mm	115 mm	ø 11 mm	ø 13 mm
CBF1/10	10 mm	265 mm	150 mm	10 mm	115 mm	ø 11 mm	ø 14,5 mm
CBF1/11	11 mm	265 mm	150 mm	9 mm	115 mm	ø 11 mm	ø 15,9 mm
CBF1/12	12 mm	265 mm	150 mm	9 mm	115 mm	ø 11 mm	ø 17 mm
CBF1/13	13 mm	265 mm	150 mm	8,5 mm	115 mm	ø 11 mm	ø 17,8 mm



CBF1/10P

FLEXIBLE NUT DRIVER SET WITH PLASTIC HANDLE

Ansi, bicomponent.



Sizes 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm

CB01/04P

NUT DRIVER SET WITH PLASTIC HANDLE

Ansi, bicomponent.



Sizes 10 - 11 - 12 - 13 mm

CB01/07P

NUT DRIVER SET WITH PLASTIC HANDLE

Ansi, bicomponent.



Sizes 4 - 5 - 5.5 - 6 - 7 - 8 - 9 mm

CB01/11P

NUT DRIVER SET WITH PLASTIC HANDLE

Ansi, bicomponent.



Sizes 4 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm

CB02/04P

HOLLOW NUT DRIVER SET WITH PLASTIC HANDLE

Ansi, bicomponent with deep hole.



Sizes 10 - 11 - 12 - 13 mm

CB02/07P

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

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

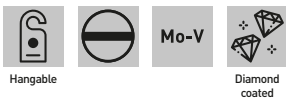


DIN 2380-1, with black blade and tricomponent handle made of highly elastic TPR resin and oil-resistant polypropylene material. The diamond tip allows a perfect grip, avoiding to ruin the head of the screw. This type of tip is also very effective with already ruined screws.



D883-

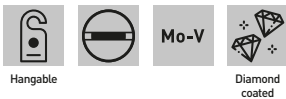
ELECTRICIAN FLAT SCREWDRIVER WITH DIAMOND TIP



Art.	Size	Pole length	Total length
D883/3075	3 mm	75 mm	115 mm
D883/4100	4 mm	100 mm	145 mm

D884/6038

FLAT SCREWDRIVER WITH DIAMOND TIP



Size	6 mm
Pole length	38 mm
Total length	70 mm

D882/2038

CROSS SCREWDRIVER PH WITH DIAMOND TIP



Size	PH 2
Pole length	38 mm
Total length	70 mm

D885/2038

CROSS SCREWDRIVER PZ WITH DIAMOND TIP



Size	PZ 2
Pole length	38 mm
Total length	70 mm

D884-

FLAT SCREWDRIVER WITH DIAMOND TIP



Art.	Size	Pole length	Total length
D884/3075	3 mm	75 mm	115 mm
D884/4100	4 mm	100 mm	180 mm
D884/5125	5 mm	125 mm	230 mm
D884/6150	6 mm	150 mm	260 mm
D884/8150	8 mm	150 mm	210 mm

D882-

CROSS SCREWDRIVER PH WITH DIAMOND TIP



Art.	€	Size	Pole length	Total length
D882/1075	€ 4,33	PH 1	75 mm	180 mm
D882/2100	€ 5,60	PH 2	100 mm	210 mm
D882/3150	€ 6,30	PH 3	150 mm	270 mm

D885-

CROSS SCREWDRIVER PZ WITH DIAMOND TIP



Art.	Size	Pole length	Total length
D885/1075	PZ 1	75 mm	120 mm
D885/2100	PZ 2	100 mm	150 mm
D885/3150	PZ 3	150 mm	210 mm

D880/006

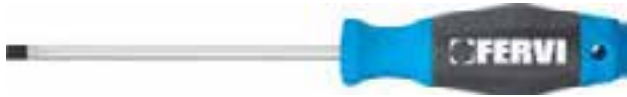
DIAMOND TIP SCREWDRIVER SET



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

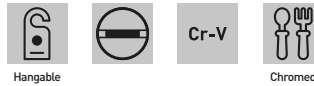
Slotted, with black phosphatized magnetic tip, handle made of high elastic resin TPR and polypropylene material oil resistant.



Art.	Size	Pole length
C883/3075	3 mm	75 mm
C883/4100	4 mm	100 mm

C884-
SLOTTED 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
C884/3075	3 mm	75 mm
C884/4100	4 mm	100 mm
C884/5125	5 mm	125 mm
C884/6150	6 mm	150 mm
C884/8150	8 mm	150 mm

C884/6038
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	PH 1	75 mm
C882/2100	PH 2	100 mm
C882/3150	PH 3	150 mm

C882/2038
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	PZ 1	75 mm
C885/2100	PZ 2	100 mm
C885/3150	PZ 3	150 mm



C885/2038

CROSS SCREWDRIVER PZ, HANGING PACKAGE

With black phosphatized magnetic tip, handle made of high elastic resin TPR and polypropylene material oil resistant.

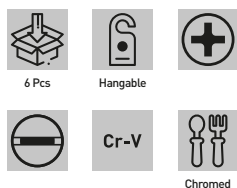


Size	PZ 2
Pole length	38 mm

C880/006

SCREWDRIVER SET

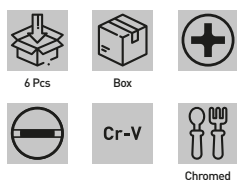
With black phosphatized magnetic tip, handle made of high elastic resin TPR and polypropylene material oil resistant.



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

0633

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

C881-

TORX SCREWDRIVER, HANGING PACKAGE

With black phosphatized magnetic tip, handle made of high elastic resin TPR and polypropylene material oil resistant.

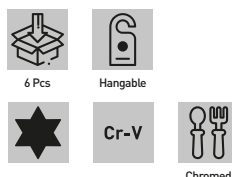


Art.	Sizes	Pole length	Total length
C881/07075	T7	75 mm	160 mm
C881/08075	T8	75 mm	160 mm
C881/10075	T10	75 mm	160 mm
C881/15100	T15	100 mm	200 mm
C881/20100	T20	100 mm	200 mm
C881/25125	T25	125 mm	225 mm
C881/27125	T27	125 mm	225 mm
C881/30150	T30	150 mm	260 mm
C881/35150	T35	150 mm	260 mm
C881/40150	T40	150 mm	260 mm

C881/006

TORX SCREWDRIVER SET

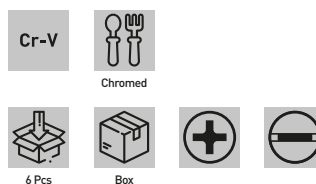
With black phosphatized magnetic tip, handle made of high elastic resin TPR and polypropylene material oil resistant.



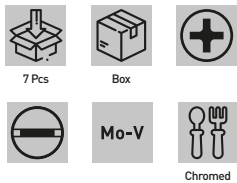
Torx size	T10x75 mm, T15x100 mm, T20x100 mm, T25x125 mm, T27x125 mm, T30x150 mm
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0634

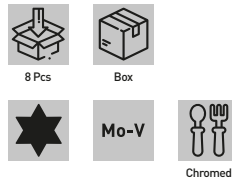
SCREWDRIVER SET WITH STEEL HEAD



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
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
SCREWDRIVER TORX SET


Tee star T 7x60 - T 8x60 - T 9x60 - T 10x80 - T 15x80 - T 20x100 - T 25x100 - T 30x115 mm

C182-
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	PH0 x 3 mm	60 mm	160 mm
C182/1080	PH1 x 4.5 mm	80 mm	185 mm
C182/2100	PH2 x 6 mm	100 mm	210 mm
C182/3150	PH3 x 8 mm	150 mm	265 mm

C183-
INSULATED SLOT SCREWDRIVER

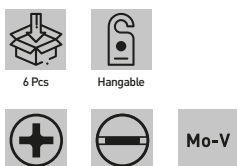
1000V IEC 60900, with black phosphatized magnetic tip and polypropylene material oil resistant bi-color handle.



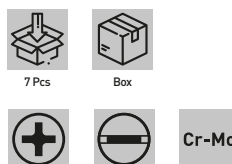
Art.	Size	Pole length	Total length
C183/25075	0.4 x 2.5 mm	75 mm	175 mm
C183/30100	0.6 x 3 mm	100 mm	200 mm
C183/40100	0.8 x 4 mm	100 mm	200 mm
C183/55125	1 x 5.5 mm	125 mm	230 mm
C183/65150	1.2 x 6.5 mm	150 mm	260 mm
C183/80175	1.6 x 8 mm	175 mm	290 mm

C180/006
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
ELECTRICIAN'S SCREWDRIVER


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



0083

IMPACT DRIVER

Supplied in plastic box.



7 Pcs

Box

Steel

Satin

Dimensions	165 x 42 mm
Bits	6
Shank	5/16"

P882-

PH PRECISION SCREWDRIVER

With burnished magnetic tip, handle in two-component material with free end part to rotate for a perfect grip.



Cr-V

Phosphated

8764

Art.	Size	Pole length	Total length
P882/0150	PH 1	50 mm	140 mm
P882/1050	PH 0	50 mm	140 mm
P882/2050	PH 00	50 mm	140 mm

P886-

HEXAGONAL PRECISION SCREWDRIVER

With burnished magnetic tip, handle in two-component material with free end part to rotate for a perfect grip.



Cr-V

Phosphated

2936

Art.	Size	Pole length	Total length
P886/1350	1,3 mm	50 mm	140 mm
P886/1550	1,5 mm	50 mm	140 mm
P886/2050	2,0 mm	50 mm	140 mm
P886/2550	2,5 mm	50 mm	140 mm
P886/3050	3,0 mm	50 mm	140 mm

P883-

SLOT PRECISION SCREWDRIVER

With burnished magnetic tip, handle in two-component material with free end part to rotate for a perfect grip.



Cr-V

Phosphated

2380-1

Art.	Size	Pole length	Total length
P883/1250	1,2 mm	50 mm	140 mm
P883/1650	1,6 mm	50 mm	140 mm
P883/1850	1,8 mm	50 mm	140 mm
P883/2050	2,0 mm	50 mm	140 mm
P883/2450	2,4 mm	50 mm	140 mm
P883/3050	3,0 mm	50 mm	140 mm
P883/3550	3,5 mm	50 mm	140 mm
P883/4050	4,0 mm	50 mm	140 mm

P881-

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	T5	50 mm	140 mm
P881/0650	T6	50 mm	140 mm
P881/0750	T7	50 mm	140 mm
P881/0850	T8	50 mm	140 mm
P881/0950	T9	50 mm	140 mm
P881/1050	T10	50 mm	140 mm
P881/1550	T15	50 mm	140 mm



P880/06S

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

P881/06S

TORX PRECISION SCREWDRIVER SERIES

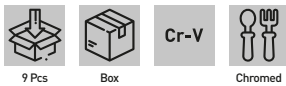
With burnished magnetic tip, handle in bicomponent material with free end part to rotate for a perfect grip.



Tee star T5 x 50 mm, T6 x 50 mm, T7 x 50 mm, T8 x 50 mm, T9 x 50 mm, T10

0207

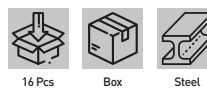
DOUBLE HEAD SCREWDRIVER BIT SET



Blade length 110 mm
Handle length 170 mm

0829

PRECISION SCREWDRIVER AND SPANNER SET



0082

PRECISION SCREWDRIVER SET



Slot 4 Pcs 1,4x20 mm - 2x23 mm - 2,4x24 mm - 3x27 mm
Cross 2 Pcs 2 Pcs PH 1x30 mm - PH 0x25 mm

0466/DM

SCREWDRIVERS MAGNETIZER/DEMAGNETIZER

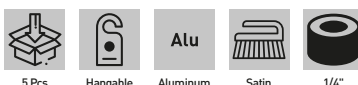
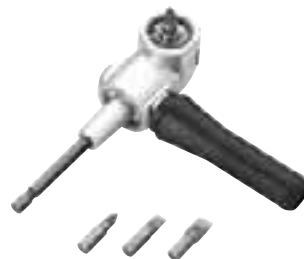


Dimensions 52 x 50 x 28.5 mm

0888

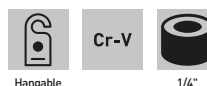
L-SHAPED DRIVER

Bits inside the handle.



PIF1

FLEXIBLE BIT DRIVER



L	265 mm	L3	115 mm
L1	150 mm	A	10 mm
L2	9,5 mm	B	11,8 mm



0562

SHANK MAGNETIC HANDLE

Tricomponent handle made of highly elastic TPR resin and oil-resistant polypropylene material



Hangable



Chromed

1/4"

Length 200 mm

0304

1/4 SHANK MAGNETIC HANDLE



Hangable



Chromed

1/4"

0406

QUICK CHANGE 6 POINT BIT HOLDER



Expositor



Chromed

1/4"

Length 60 mm

0089

BIT SET



7 Pcs

Hangable

Phillips	1 - 2
Pozi-driv	1 - 2
Slotted	4 - 6 mm

0562N

SHANK MAGNETIC HANDLE

Tricomponent handle made of highly elastic TPR resin and oil-resistant polypropylene material



Hangable



Chromed

1/4"

Length 110 mm

0548

STUBBY RATCHET SCREWDRIVER

With one bit, to use for tight and loose in reduced space.



Hangable

Satin

72 teeth

5°

1/4"

Dimensions ø 29 x 60 mm

0407

BIT HOLDER

Straight and 90°, easy to use in small spaces.



8 Pcs

Hangable

Length	105 mm
Phillips	1 - 2
Pozi-driv	1 - 2
Slotted	2 - 3 - 4 mm




0358
SCREWDRIVER BIT AND SOCKET SET

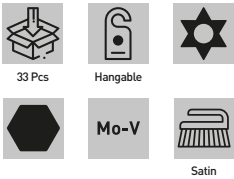

Bits	
Phillips	0 - 1 - 2 (x5 Pcs/Pcs) - 3
Pozi-driv	0 - 1 - 2 (x5 Pcs/Pcs) - 3
Slotted	3 - 4 - 4,5 - 5 - 5,5 - 6 - 6,5 - 7 - 8 mm
Spanner	4 - 6 - 8 - 10
Tee star	8 - 10 - 15 - 20 - 25 - 27 - 30 - 40 - 45
Triplay	1 - 2 - 3 - 4
Tamper proof tee star	8 - 10 - 15 - 20 - 25 - 27 - 30 - 35 - 40
Tee cross	6 - 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
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
BIT SET

With magnetic holder.



Bits		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
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	PH00000 - 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	





0732

HEX BIT SET

Composed of 30 bit, 1 bit adapter and 1 bit holder.

NEW

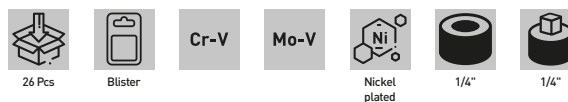


Socket	25 mm
Magnetic bit holder	1
Slotted	3 - 4 - 5,5 - 7 mm
Hexagonal	3 - 4 - 5 - 6
Phillips	PH1 - PH2 - PH3 - PH4
Pozi-driv	PZ1 - PZ2 - PZ3 - PZ4
Tee star	T10 - T15 - T20 - T25 - T30 - T35 - T40
Tamper proof tee star	T10 - T15 - T20 - T25 - T30 - T35 - T40

0403

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

HEX BIT AND SOCKET SET

With nichel coated bits made of S2 steel, sockets made of CR-V steel and quick change bit holder.

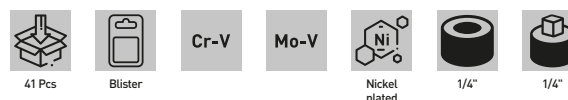


Socket	25 mm
Magnetic bit holder	1
Socket holder extension	1
Socket	5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 mm
Slotted	3 - 4 - 5 - 5,5 - 6 - 7 mm
Phillips	0 - 1 - 2 - 3
Pozi-driv	0 - 1 - 2 - 3
Square bits	S0 - S1 - S2 - S3
Tee star	T10 - T15 - T20 - T25 - T30 - T40

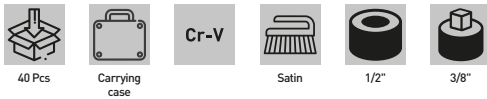
0402

HEX BIT SET

Made of s2 steel and nichel coated, composed of 40 bits and 1 72t ratchet handle.



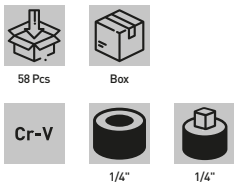
Shank	1/4"
Slotted	3 - 4 - 5 - 5,5 - 6 - 7 mm
Phillips	2 x 0 - 2 x 1 - 2 x 2 - 2 x 3
Pozi-driv	2 x 0 - 2 x 1 - 2 x 2 - 2 x 3
Square bits	S0 - S1 - S2 - S3
Tee star	T10 - T15 - T20 - T25 - T27 - T30 - T40
Hexagonal	2 - 2,5 - 3 - 4 - 5 - 5,5 - 6 mm


0104
SOCKET SET


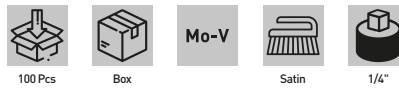
1 Socket bit 1/2"	10 mm
1 Socket bit 3/8"	10 mm
7 Hex bits 4-5-6-7-8-10-12 mm	30 mm
7 Hex bits 4-5-6-7-8-10-12 mm	75 mm
5 Bits "XZN" 5-6-8-10-12 mm	30 mm
5 Bits "XZN" 5-6-8-10-12 mm	75 mm
Bits TORX T20-T25-T30-T40-T45-T50-T55	30 mm
Bits TORX T20-T25-T30-T40-T45-T50-T55	75 mm

0277
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"

0640
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



**IS25-ESX****HEXAGONAL BITS**

Mo-V



Art.	Size	Length	Pack
IS25/ES2	2 mm	25 mm	10
IS25/ES25	2.5 mm	25 mm	10
IS25/ES3	3 mm	25 mm	10
IS25/ES4	4 mm	25 mm	10
IS25/ES5	5 mm	25 mm	10
IS25/ES6	6 mm	25 mm	10
IS25/ES8	8 mm	25 mm	10
IS25/ES10	10 mm	25 mm	10

IS25-PHXAS**CROSS BITS PH ANTI SLIP**

Mo-V



Art.	Size	Length	Pack
IS25/PH1AS	PH 1	25 mm	10
IS25/PH2AS	PH 2	25 mm	10
IS25/PH3AS	PH 3	25 mm	10

IS25-PZXAS**CROSS BITS PZ ANTI SLIP**

Mo-V



Art.	Size	Length	Pack
IS25/PZ1AS	PZ 1	25 mm	10
IS25/PZ2AS	PZ 2	25 mm	10
IS25/PZ3AS	PZ 3	25 mm	10

IS25-TXX**TORX BITS**

Mo-V



Art.	Size	Length	Pack
IS25/TX10	T10	25 mm	10
IS25/TX15	T15	25 mm	10
IS25/TX20	T20	25 mm	10
IS25/TX25	T25	25 mm	10
IS25/TX30	T30	25 mm	10
IS25/TX35	T35	25 mm	10
IS25/TX40	T40	25 mm	10
IS25/TX45	T45	25 mm	10
IS25/TX50	T50	25 mm	10
IS25/TX55	T55	25 mm	10

IS25-PHX**CROSS BITS PH**

Mo-V



Art.	Size	Length	Pack
IS25/PH0	PH 0	25 mm	20
IS25/PH1	PH 1	25 mm	20
IS25/PH2	PH 2	25 mm	20
IS25/PH3	PH 3	25 mm	20

IS25-PZX**CROSS BITS PZ**

Mo-V



Art.	Size	Length	Pack
IS25/PZ1	PZ 1	25 mm	20
IS25/PZ2	PZ 2	25 mm	20
IS25/PZ3	PZ 3	25 mm	20

IS25-TGX**SLOTTED BITS**

Mo-V



Art.	Size	Length	Pack
IS25/TG3	3 x 0.5 mm	25 mm	10
IS25/TG4	4 x 0.8 mm	25 mm	10
IS25/TG5.5	5.5 x 0.8 mm	25 mm	10
IS25/TG6	6 x 1 mm	25 mm	10
IS25/TG8	8 x 1.2 mm	25 mm	10

IS50-ESX**HEXAGONAL BITS**

Turn-down body.



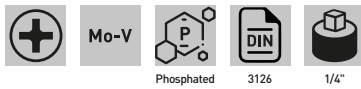
Mo-V



Art.	Size	Length	Pack
IS50/ES2	2 mm	50 mm	5
IS50/ES25	2.5 mm	50 mm	5
IS50/ES3	3 mm	50 mm	5
IS50/ES4	4 mm	50 mm	5
IS50/ES5	5 mm	50 mm	5
IS50/ES6	6 mm	50 mm	5
IS50/ES8	8 mm	50 mm	5
IS50/ES10	10 mm	50 mm	5


IS50-PHX
CROSS BITS PH

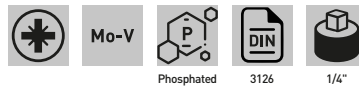
With turn-down body.



Art.	Size	Length	Pack
IS50/PH1	PH 1	50 mm	10
IS50/PH2	PH 2	50 mm	10
IS50/PH3	PH 3	50 mm	10

IS50-PZX
CROSS BITS PZ

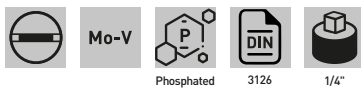
With turn-down body.



Art.	Size	Length	Pack
IS50/PZ1	PZ 1	50 mm	10
IS50/PZ2	PZ 2	50 mm	10
IS50/PZ3	PZ 3	50 mm	10

IS50-TGX
SLOTTED BITS

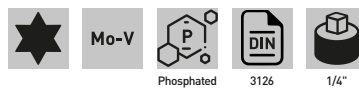
With turn-down body.



Art.	Size	Length	Pack
IS50/TG3	3 x 0.5 mm	50 mm	5
IS50/TG4	4 x 0.8 mm	50 mm	5
IS50/TG5.5	5.5 x 0.8 mm	50 mm	5
IS50/TG6	6 x 1 mm	50 mm	5
IS50/TG8	8 x 1.2 mm	50 mm	5

IS50-TXX
TORX BITS

With turn-down body.



Art.	Size	Length	Pack
IS50/TX10	T10	50 mm	5
IS50/TX15	T15	50 mm	5
IS50/TX20	T20	50 mm	5
IS50/TX25	T25	50 mm	5
IS50/TX30	T30	50 mm	5
IS50/TX35	T35	50 mm	5
IS50/TX40	T40	50 mm	5

S018
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
Description	330 x 170 x 150 mm



0455

DOUBLE HAND NUT RIVETER

Long levers for effortless work, with 7 nosepieces.

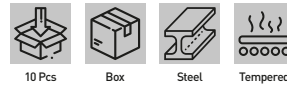


Nosepieces M3 - M4 - M5 - M6 - M8 - M10 - M12
Length 400 mm

0469

HAND NUT RIVETER

With 4 nosepieces. Ergonomic handles.



Nosepieces M3 - M4 - M5 - M6
Length 200 mm

0453

DOUBLE HAND RIVETER

Long levers for effortless work, even with 6.4 mm rivets. Plastic reservoir for sheared nail recovery.

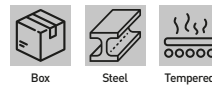


Rivets Ø 3,2 - 4,0 - 4,8 - 6,0 - 6,4 mm
Length 400 mm

0454

DOUBLE HAND RIVETER WITH ROTATING HEAD

Long levers for effortless work, even with 6.4 mm rivets. Plastic reservoir for sheared nail recovery. With 4-position rotating head.



Rivets Ø 3,2 - 4,0 - 4,8 - 6,4 mm
Length 400 mm

0470

HAND RIVETER WITH MULTI-SIDES BLOCKER

With rotating head - 4 positions.



Rivets 2,4 mm - 3,2 mm - 4,0 mm - 4,8 mm

0789

HAND RIVETER

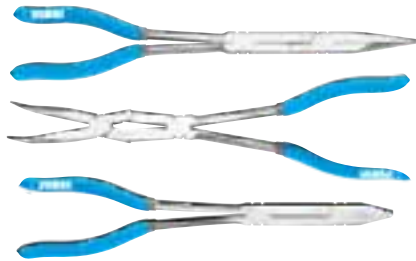


Rivets 2,4 mm - 3,2 mm - 4,0 mm - 4,8 mm
Length 255 mm



0872/P

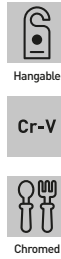
DOUBLE JOINT LONG PLIER SET



Length	335 mm
Thickness	10 mm

0872/PDD

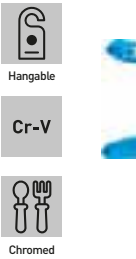
DOUBLE X LONG REACH PLIER LONG NOSE



Length	335 mm
Thickness	10 mm

0872/PCD

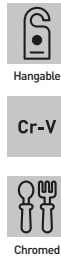
DOUBLE X LONG REACH PLIER LONG BENT NOSE 45°



Length	335 mm
Thickness	10 mm

0872/OPD

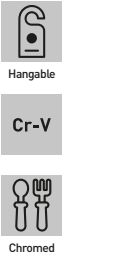
DOUBLE X LONG REACH PLIER



Length	335 mm
Thickness	10 mm

0873-U

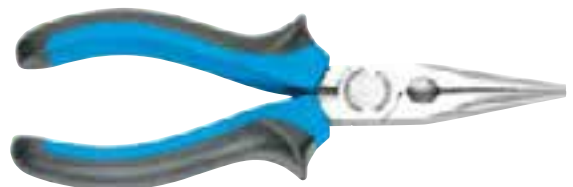
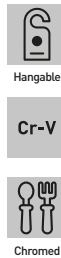
COMBINATION PLIERS



Art.	Length	Thickness
0873/U6	160 mm	11 mm
0873/U7	180 mm	10,5 mm
0873/U8	200 mm	12 mm

0873-BD

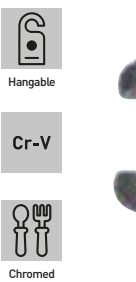
LONG NOSE PLIERS



Art.	Length	Thickness
0873/BD6	160 mm	9 mm
0873/BD8	200 mm	10 mm

0873-BC

BENT NOSE PLIERS 45°



Art.	Length	Thickness
0873/BC6	160 mm	9 mm
0873/BC8	200 mm	10 mm

0873/TL

DIAGONAL SIDE CUTTING NIPPERS



Length	160 mm
Thickness	9 mm



0873/TF

END CUTTING NIPPERS



Blister



Cr-V



Chromed



Length 160 mm
Thickness 11 mm

0020/1

EXTRA LONG NOSE MINI PLIERS



Blister



Steel



Chromed



Length 150 mm

0020/2

BENT NOSE MINI PLIERS



Blister



Steel



Chromed



Length 125 mm

0020/3

FLAT NOSE MINI PLIERS



Blister



Steel



Chromed



Length 125 mm

0020/4

LONG NOSE MINI PLIERS



Blister



Steel



Chromed



Length 125 mm

0020/5

END CUTTING MINI NIPPERS



Blister



Steel



Chromed



Length 110 mm

0020/6

DIAGONAL SIDE CUTTING MINI NIPPERS



Blister



Steel



Chromed



Length 110 mm

0020

FINE POLISHED MINI PLIERS SET



5 Pcs



Blister



Steel



Bakelite



Chromed

Length 110 ÷ 125 mm



08X

COMBINATION PLIERS



Art.	Length	Thickness
0810	160 mm	11 mm
0811	180 mm	11 mm
0850	200 mm	13 mm

0812

LONG NOSE PLIERS



Art.	Length	Thickness
	160 mm	10 mm

0813

BENT NOSE PLIERS 45°



Length	160 mm
Thickness	10 mm

0814

DIAGONAL SIDE CUTTING NIPPERS



Length	160 mm
Thickness	10 mm

0841

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

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

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

MODULAR PLUG CRIMPING TOOL

With release knob.



Electric plugs	RJ-11 (6P4C); RJ-12 (6P6C); RJ-45 (8P8C)
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0826

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

024XE

CIRCLIP PLIERS

External straight nose.



Art.	Circlips	Length
0246	∅ 19 ÷ 60 mm	185 mm
0636	∅ 10 ÷ 25 mm	160 mm
0674	∅ 3 ÷ 10 mm	150 mm
0676	∅ 32 ÷ 80 mm	225 mm

063XE

CIRCLIP PLIERS

External curved nose.



Art.	Circlips	Length
0247	∅ 19 ÷ 60 mm	175 mm
0637	∅ 10 ÷ 25 mm	150 mm
0108	∅ 3 ÷ 10 mm	135 mm
0324	∅ 32 ÷ 80 mm	215 mm

0136

NYLON CLAMP SET

Automotive hose.



Length	158 - 185 - 254 mm
Hose diameter	10 - 15 - 24 mm

0122

UNIVERSAL CRIMPING PLIER SET

With insulated terminals.



Length	220 mm
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024XI

CIRCLIP PLIERS

Internal straight nose.



Art.	Circlips	Length
0248	∅ 19 ÷ 60 mm	175 mm
0638	∅ 8 ÷ 25 mm	150 mm
0619	∅ 3 ÷ 10 mm	135 mm
0631	∅ 32 ÷ 80 mm	225 mm

063XI

CIRCLIP PLIERS

Internal curved nose.



Art.	Circlips	Length
0249	∅ 19 ÷ 60 mm	165 mm
0639	∅ 8 ÷ 25 mm	150 mm
0340	∅ 3 ÷ 10 mm	135 mm
0364	∅ 32 ÷ 80 mm	215 mm

0603

AUTO REPAIRING PLIERS SET FOR CARS ZIP TIES





0118

WATER PUMP PLIERS

6 positions.



Length 240 mm

0834-

TOWER PINCERS



Art.	Length
0834	220 mm
0834/200	200 mm
0834/250	250 mm
0834/280	280 mm

0121

LOCKING L-GRIP CLAMP



Length 230 mm
Adjustable 0 ÷ 155 mm

0119

ADJUSTABLE LOCK WRENCH

NEW

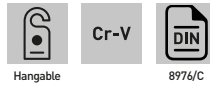


Art.	Length
0119/5	130 mm
0119/7	180 mm
0119	220 mm

0831-

WATER PUMP PLIERS

7 positions.



Art.	Length
0831/175	175 mm
0831/250	250 mm
0831/300	300 mm

0206

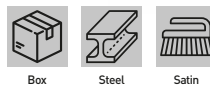
CARPENTER PINCER



Length 200 mm

0120

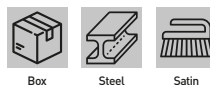
4 POSITIONS ADJUSTABLE LOCK WRENCH



Length 230 mm
Opening 18 - 39 - 43 mm

0379

FOUR JAWS ADJUSTABLE LOCK WRENCH



Length 225 mm



0368-

AUTOMATIC LOCK WRENCH



Box

Cr-V



Satin

Art.	Length
0368/7	160 mm
0368/10	230 mm

0370-

LONG NOSE AUTOMATIC LOCK WRENCH



Box

Cr-V



Satin

Art.	Length
0370/8	200 mm
0370/11	275 mm

0373-

"C" NOSE AUTOMATIC LOCK WRENCH



Box

Cr-V



Satin

Art.	Length	Opening
0373/9	210 mm	65 mm
0373/11	300 mm	95 mm

0130-

HEAVY DUTY PIPE WRENCH



Cr-V

Art.	Dimensions	Max Opening
0130/350	350 mm - 14"	50 mm
0130/600	600 mm - 24"	90 mm

0225-

45° BENT NOSE PIPE WRENCH



Cr-V

Art.	Dimensions	Max Opening
0225/340	340 mm - 1"	46 mm
0225/440	440 mm - 1,5"	62 mm
0225/580	580 mm - 2"	72 mm
0225/700	700 mm - 3"	100 mm

0227-

90° BENT NOSE PIPE WRENCH



Cr-V

Art.	Dimensions	Max Opening
0227/340	330 mm - 1" mm	38 mm
0227/440	415 mm - 1,5" mm	52 mm
0227/580	580 mm - 2" mm	75 mm
0227/700	700 mm - 3" mm	100 mm

0511

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

STONING HAMMER

With safety fiberglass plastic handle with black rubber grip.



Glass fiber



6475

Length	260 mm
Net weight	1000 g

0780

CLAW HAMMER

With safety fiberglass plastic handle with black rubber grip.



Glass fiber

Net weight	500 g
------------	-------

0514-

MACHINIST'S HAMMER GERMAN TYPE

With safety fiberglass plastic handle with black rubber grip.



Glass fiber



1041

Art.	Net weight
0514/200	200 g
0514/300	300 g
0514/400	400 g
0514/500	500 g
0514/1000	1000 g

0154-

MACHINIST'S HAMMER GERMAN TYPE



Wood



1041

Art.	Net weight
0154/100DIN	100 g
0154/200DIN	200 g
0154/300DIN	300 g
0154/400DIN	400 g
0154/500DIN	500 g
0154/600DIN	600 g
0154/800DIN	800 g
0154/1000DIN	1000 g
0154/1500DIN	1500 g
0154/2000DIN	2000 g

0153-

STONING HAMMER



Wood



6475

Art.	Net weight
0153/800DIN	800 g
0153/1000DIN	1000 g
0153/1250DIN	1250 g
0153/1500DIN	1500 g



0169-

CLAW HAMMER ITALIAN TYPE

Magnetic.



Wood

Art.	Net weight
0169/300	300 g
0169/400	400 g

0216/400

CHIPPING HAMMER

With wooden handle.



Wood

Handle length	380 mm
Net weight	400 g

0239/400

CHIPPING HAMMER

With fiberglass plastic handle with black rubber grip.



Glass fiber

Handle length	380 mm
Net weight	400 g

0148/500

RUBBER MALLET



Wood

Head	ø 65 mm
Net weight	500 g

0243-

TWO WAY MALLET



Glass fiber

Art.	Head	Net weight
0243/30	ø 30 mm	350 g
0243/40	ø 40 mm	500 g

0794-

TWO WAY RUBBER MALLET

Equipped of fiberglass handle.



Glass fiber

Art.	Head	Net weight
0794/350	ø 55 mm	350 g
0794/450	ø 58 mm	500 g

0808-

MALLET

Aluminium with anatomic handle and polyethylene heads.



Wood

Art.	Head	Net weight
0808/35	ø 35 mm	350 g
0808/60	ø 60 mm	800 g

033X

DEAD BLOW RUBBER MALLET



Art.	Head	Net weight
0336	ø 45 mm	500 g
0337	ø 50 mm	900 g

0839-

DEAD BLOW MALLET

Nylon, spare part head.



Art.	Head	Net weight
0839/40	ø 40 mm	750 g
0839/50	ø 50 mm	1000 g
0839/60	ø 60 mm	1500 g

0839-XT

SPARE PART HEAD

For dead blow mallet 0839-.



Art.	Head
0839/40T	ø 40 mm
0839/50T	ø 50 mm
0839/60T	ø 60 mm

072X

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	ø 40 mm	550 g
0727	ø 50 mm	900 g
0728	ø 60 mm	1100 g

073X

SPARE PART HEAD

For dead blow nylon mallet 072x.



Art.	Head	Pack
0729	ø 40 mm	2
0730	ø 50 mm	2
0731	ø 60 mm	2

G009

SAFE SPRING HOOK

To put in safety tools when working on ladders or scaffolds.

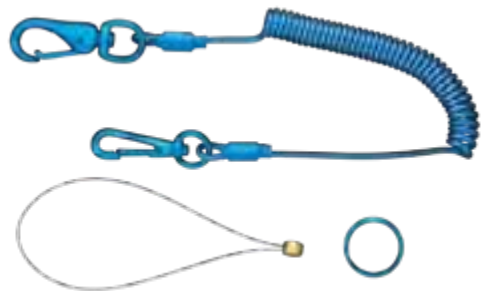


INOX

Blister



Capacity	5 kg
Length	430 ÷ 1600 mm





B006-

CENTER PUNCH

With octagonal body.



Art.	Sizes	Length
B006/4	4 mm	120 mm
B006/5	5 mm	150 mm

S022-

CHISEL FOR METAL



Art.	Dimensions	Length
S022/18	18 mm	150 mm
S022/21	21 mm	200 mm
S022/25	25 mm	250 mm
S022/26	26 mm	240 mm

C015

DRIFT PIN SET

With octagonal body and hand guard.



Sizes	ø 2 - 3 - 4 - 5 - 6 - 7 - 8 mm
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0127

MECHANIC CHISEL, PIN PUNCH AND CENTER PUNCH SET WITH PLASTIC HOLDER



Length	120 - 150 mm
--------	--------------

C012-

DRIFT PIN

With octagonal body.



Art.	Dimensions	Length
C012/02	ø 2 mm	150 mm
C012/03	ø 3 mm	150 mm
C012/04	ø 4 mm	150 mm
C012/05	ø 5 mm	150 mm
C012/06	ø 6 mm	150 mm
C012/08	ø 8 mm	150 mm

C015-

DRIFT PIN

With octagonal body and hand guard.



Art.	Size	Length
C015/2	ø 2 x 8 mm	140 mm
C015/3	ø 3 x 8 mm	150 mm
C015/4	ø 4 x 10 mm	180 mm
C015/5	ø 5 x 10 mm	220 mm
C015/6	ø 6 x 12 mm	210 mm
C015/7	ø 7 x 12 mm	210 mm

0126

DRIFT PIN SET WITH PLASTIC HOLDER



Dimensions	ø 3-4-5-6-8-10 mm
Length	150 mm

0396

CHISEL SET FOR METAL



Dimensions	10 x 8 x 140 mm, 13 x 9,5 x 150 mm, 16 x 12 x 170 mm
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0381

AUTOMATIC CENTER PUNCH

With spring.



Length 125 mm

0733

NEW

AUTOMATIC CENTER PUNCH

Spring-loaded. Possibility of adjusting the punching depth.



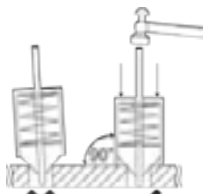
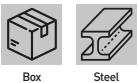
Length 125 mm

0734-

NEW

HOLE MARKERS

For centring within existing bores, the spring-loaded, conical front provides accurate centring.



Art.	Length	Hole diameter
0734/1	100 mm	Ø5 ÷ Ø15 mm
0734/2	82 mm	Ø5 ÷ Ø30 mm

0391

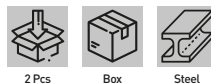
MECHANIC CHISEL, PIN PUNCH AND CENTER PUNCH SET WITH HAND GUARD



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

0152

STONING CHISEL SET WITH HAND GUARD



Dimensions 16 x 250 mm

0258

FLAT POINT COLD CHISEL WITH HAND GUARD



Dimensions 16 x 300 mm

0259

POINT COLD CHISEL WITH HAND GUARD



Dimensions 16 x 300 mm



0300

WOOD CHISEL SET



Hardness HRC 58-60
Dimensions 10-16-20-25 mm



0301-

WOOD CHISEL

Hardness HRC 58-60.



Art.	Dimensions
0301/06	6 mm
0301/10	10 mm
0301/16	16 mm
0301/20	18.5 mm
0301/24	25 mm



0168

WOOD CHISEL SET

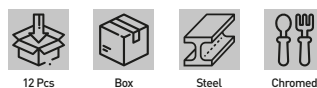


Hardness HRC 58-60
Sizes 240 x 6-10-16-20-24 mm



0306

CARVING CHISEL SET



Hardness HRC 58-60
Length 215 mm



0162

WOOD CHISEL SET FOR LATHE



Hardness HRC 58-60
Total length 370 mm



0166

IRON PLANER FOR WOOD



Planner length 225 mm
Blade width 50 mm





0519

WOOD RASP SET WITH PLASTIC HANDLE



Dimensions 200 mm - 8"



0160

FILE SET FOR METAL WITH ANATOMIC HANDLE



Dimensions 200 mm - 8"



0219

NEEDLE FILE SET



Total length 180 mm



0214

ROUND HANDLE NEEDLE FILE SET



Dimensions Ø 3 x 140 mm



L011

BENT NOSE DIAMOND NEEDLE FILE SET



Length 140 mm



L012

DIAMOND NEEDLE FILE SET



Length 180 mm



L013

DIAMOND NEEDLE FILE SET

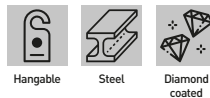


Length 140 mm



L012/PIA

DIAMOND FLAT FILE



Length 180 mm





0737-

STEEL FILE

Rectangular shape, with ergonomic plastic handle.



Art.	Slotted	Dimensions	Pack
0737/150T2	Half cut	150 mm - 6"	10
0737/150T3	Smooth cut	150 mm - 6"	10
0737/200T2	Half cut	200 mm - 8"	10
0737/200T3	Smooth cut	200 mm - 8"	10
0737/250T2	Half cut	250 mm - 10"	10
0737/250T3	Smooth cut	250 mm - 10"	10

0738-

STEEL FILE

Triangular shape. With ergonomic plastic handle.



Art.	Slotted	Dimensions	Pack
0738/150T2	Half cut	150 mm - 6"	10
0738/150T3	Smooth cut	150 mm - 6"	10
0738/200T2	Half cut	200 mm - 8"	10
0738/200T3	Smooth cut	200 mm - 8"	10
0738/250T2	Half cut	250 mm - 10"	10
0738/250T3	Smooth cut	250 mm - 10"	10

0739-

STEEL FILE

Half round shape. With ergonomic plastic handle.



Art.	Slotted	Dimensions	Pack
0739/150T2	Half cut	150 mm - 6"	10
0739/150T3	Smooth cut	150 mm - 6"	10
0739/200T2	Half cut	200 mm - 8"	10
0739/200T3	Smooth cut	200 mm - 8"	10
0739/250T2	Half cut	250 mm - 10"	10
0739/250T3	Smooth cut	250 mm - 10"	10

0740-

STEEL FILE

Round shape. With ergonomic plastic handle.



Art.	Slotted	Dimensions	Pack
0740/150T2	Half cut	150 mm - 6"	10
0740/150T3	Smooth cut	150 mm - 6"	10
0740/200T2	Half cut	200 mm - 8"	10
0740/200T3	Smooth cut	200 mm - 8"	10
0740/250T2	Half cut	250 mm - 10"	10
0740/250T3	Smooth cut	250 mm - 10"	10

0741-

STEEL FILE

Squared shape. With ergonomic plastic handle.



Art.	Slotted	Dimensions	Pack
0741/150T2	Half cut	150 mm - 6"	10
0741/150T3	Smooth cut	150 mm - 6"	10
0741/200T2	Half cut	200 mm - 8"	10
0741/200T3	Smooth cut	200 mm - 8"	10
0741/250T2	Half cut	250 mm - 10"	10
0741/250T3	Smooth cut	250 mm - 10"	10

0742-

ANATOMIC PLASTIC FILE HANDLE



Art.	For file	Pack
0742/4	100 mm - 150 mm / 4" - 6"	12
0742/6	150 mm - 250 mm / 6" - 10"	12
0742/10	250 mm - 400 mm / 10" - 16"	12



0202

PRY BAR SET GO THROUGH TYPE



4 Pcs



Blister



Steel

Dimensions 230 mm/9" - 300 mm/12" - 450 mm/18" - 590 mm/24"

0320

WRECKING BAR



Steel

Total length 600 mm
Hexagon 15,6 mm

0192

HEAVY DUTY PRY BAR SET

1 Pc straight 910 mm/36", 1 Pc bent 45° 910 mm/36", 1 Pc bent 60° 610 mm/24", 1 Pc bent 90° 610 mm/24".



4 Pcs



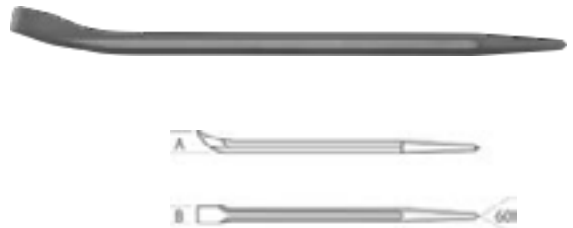
Carrying case

Cr-V

0198

POINTED PRY BAR

Pointed pry bar.



Steel

Length 400 mm
A 30 mm
B 23 mm
Pack 5

L007

MOTORCYCLE TYRE LEVER



Box



Steel



Satin

Dimensions 215 x 16 X 5 mm

0267

TYRE LEVER



Box



Steel



Satin

Dimensions 510 x 26 x 9 mm

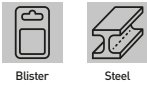




0623

SNAP-OFF UTILITY KNIFE, BLADES INCLUDED

With automatic loading of the blade



Standard blades 3
Blade width 18 mm

0627

SNAP-OFF UTILITY KNIFE BLADES INCLUDED

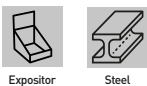
With automatic loading of the blade



Standard blades 5
Blade width 9 mm

0617

AUTOMATIC SNAP-OFF UTILITY KNIFE BLADES INCLUDED



Standard blades 3
Blade width 18 mm

0613

STAINLESS STEEL SNAP-OFF UTILITY KNIFE

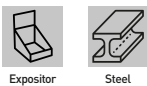
ISO 9001.



Standard blades 3
Blade width 9 mm

0096

SNAP-OFF UTILITY KNIFE, BLADES INCLUDED



Standard blades 3
Blade width 18 mm

0612

STAINLESS STEEL SNAP-OFF UTILITY KNIFE

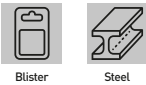


Standard blades 3
Blade width 9 mm



0611

STAINLESS STEEL SNAP-OFF UTILITY KNIFE



Standard blades 3
Blade width 9 mm

0035

SECURITY SNAP-OFF UTILITY KNIFE, BLADES INCLUDED



Standard blades 4
Trapezoidal blade 19 x 61 x 0,6 mm

0792

AUTOMATIC SNAP-OFF UTILITY KNIFE, BLADES INCLUDED



Standard blades 5
Blade width 25 mm

0696

FOLDABLE UTILITY KNIFE, BLADES INCLUDED



Standard blades 5
Blade width 20 mm

0095

SNAP-OFF KNIFE SET



0696/L

PAPER CUTTER BLADE SET



Trapezoidal blade 19 x 61 x 0,6 mm



0627/L

PAPER CUTTER BLADE SET



Blade width 9 mm





0096/L

PAPER CUTTER BLADE SET

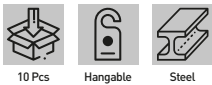


Blade width 18 mm



0792/L

PAPER CUTTER BLADE SET



Blade width 25 mm



0420

DEBURRING TOOL WITH 1 BLADE



Length 120 mm
 Max. handle diameter 9,2 mm
 Blade E100 - \varnothing 3,2 mm
 Blade material HSS

0411

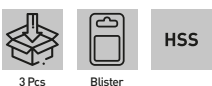
DEBURRING TOOL WITH 1 BLADE



Length 124 mm
 Max. handle diameter 29 mm
 Blade E100 - \varnothing 3,2 mm
 Blade material HSS

0415

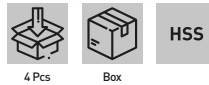
DEBURRING TOOL WITH 2 BLADE



Length 125 mm
 Max. handle diameter 22 mm
 Blade E100 - E200 - \varnothing 3,2 mm
 Blade material HSS

S002

EXTENSIBLE DEBURRING TOOL WITH 3 BLADES



Blade \varnothing 3,2 mm
 Blade dimensions E100 - E200 - E300



0420/S

DEBURRING SET WITH BLADES

For internal and external deburring of hard and soft materials. Comfortable and practical equipped with clips to always carry them with you and have them available at the right time. With ergonomic handle and different colors to immediately identify the right deburrer for the right material: purple for aluminum, red for brass and cast iron, blue for steel and yellow for plastic



Length 120 mm
 Blade \varnothing 3.2 mm

S002/E100

HSS LONG SHANK BLADE SET

For internal and external deburring for long chips material like steel, aluminum, plastic materials.



S002/E200

HSS BIDIRECTIONAL BLADE SET

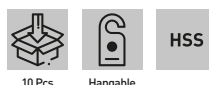
For internal and external deburring short chips material like brass and cast iron.



S002/E300

HSS BIDIRECTIONAL BLADE SET

For internal and external deburring for holes until 4 mm of thickness.





S005

DOUBLE DEBURRER WITH HSS DISK BLADE

For steel, aluminum, brass, copper and plastic sheets deburring max 10 mm.



Box

HSS

S005/R

DISK BLADE SET



4 Pcs



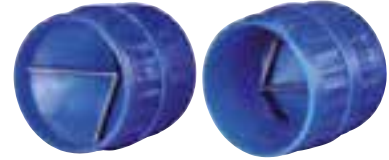
Box

HSS

0384

INNER-OUTER REAMER

For copper and ferrous metals.



2 Pcs



Box

Plastic

Capacity

3 ÷ 32 mm 3/16" ÷ 1-1/2"

0647/25

PAINT SCRAPER WITH 25 MM CARBIDE BLADE THREE CUTTING EDGES



Blister

HM



Satin

0647/50

PAINT SCRAPER WITH 50 MM CARBIDE BLADE TWO CUTTING EDGES



Blister

HM



Satin

0647/65

PAINT SCRAPER WITH 65 MM CARBIDE BLADE TWO CUTTING EDGES



Blister

HM



Satin

0647/25L

2 PCS BLADE SET



2 Pcs



Blister

HM

0647/50L

2 PCS BLADE SET



2 Pcs



Blister

HM

0647/65L

2 PCS BLADE SET



2 Pcs



Blister

HM





0367

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



0869

HANDSAW FOR JOINER WITH TRIPLE DRESSED SHARPENING DIAMOND TYPE



Blade length	400 mm
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0226

HACKSAW FRAME WITH ALUMINUM ALLOY HANDLE

With handle for small cut. Bi-metal hack saw blade and aluminum body.



Blade length	310 mm
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0629

HACKSAW WITH BLADE

Bi-metal hack saw blade and aluminum body.



Blade length	300 mm
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0161

MINI HACKSAW WITH BLADE



Alu	Aluminum
Blade length	150 mm

0327

BOW HANDSAW FOR WOOD



Steel	
Blade length	530 mm / 21"

0724/B

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

0159

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

NIBBLER FOR POWER DRILL

Double head nibbler, with accessory for round and straight cutting purpose.



Box

HSS

TiN

0670/U

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

LEFT HAND AVIATION TIN SNIP

With serrated and hardened blade and ergonomic handles.



Blister

Cr-V



Chromed

Length	245 mm
Hardness	50 - 52 HRC

0655/S

STRAIGHT AVIATION TIN SNIP

With serrated and hardened blade and ergonomic handles.



Blister

Cr-V



Chromed

Length	245 mm
Hardness	50 - 52 HRC

0655/R

RIGHT HAND AVIATION TIN SNIP

With serrated and hardened blade and ergonomic handles.



Blister

Cr-V



Chromed

Length	245 mm
Hardness	50 - 52 HRC

0818/250

TINMAN'S SNIPS



Blister



Steel



Satin

Length	265 mm
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0699/240

INOX SCISSORS

With nylon handle.



Blister

INOX



Satin

Length	240 mm
--------	--------

0672

ELECTRICIAN SCISSORS

With serrated blade, and ergonomic handle in abs material.



Blister

INOX



Satin

Length	5" 1/2 - 140 mm
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0672/B

ELECTRICIAN SCISSORS

With serrated blade and, bicolor non-slip ergonomic handle.



Length 140 mm

0141

ELECTRICIAN SCISSORS



Length 5" 1/2 - 140 mm

F018

INSULATED ELECTRICIAN SCISSORS

1000V IEC 60900, with serrated blade, and ergonomic handle in ABS material.



Length 6" - 160 mm

0673

MULTIPURPOSE SCISSORS

With serrated blade, ergonomic bicolor non-slip plastic and rubber handle.



Length 175 mm / 7" mm

0325

MULTIPURPOSE SCISSORS

With serrated blade and ergonomic bicolor non-slip handle.



Length 210 mm / 8" mm

0424

PUNCH PLIER

It allows to perform small holes on materials of small thickness such as: paper, cardboard, rubber and leather



Length 250 mm

0081

HOLLOW PUNCH SET

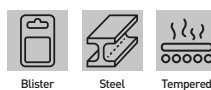


Sizes ø 5 - 6 - 8 - 10 - 12,5 - 16 - 20 - 25 - 32 mm

0093/22

PIPE CUTTER FOR COPPER AND PLASTIC

With zinc alloy body.



Cutting capacity 3÷22 mm , 1 / 8" ÷ 55 / 64"


0093/42
PIPE CUTTER FOR COPPER AND IRON

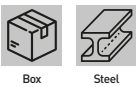
With aluminium alloy body.



Cutting capacity	6÷42 mm , 15 / 64" ÷ 1-21 / 32"
Hardness	HRC 58-60

0092
COPPER TUBE CUTTER


Capacity	3 ÷ 28 mm - 1/8" ÷ 1 1/8"
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0472
PIPE FLARING TOOL FOR COPPER AND ALUMINUM


Round pipe	5 - 6 - 8 - 10 - 12 - 14 - 16 mm
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0844
POLYURETHANE AND RUBBER HOSE CUTTER


Max cut	Ø 25 mm
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0253
POLYURETHANE AND RUBBER HOSE CUTTER

Suitable for pe, pu and rubber hoses, bi-component handle.



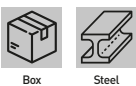
Max Opening	19 mm
Length	133 mm

0287-
BOLT CUTTER

Ideal for cutting iron rods, chains and a vast type of ferrous and non-ferrous materials.


Cr-V
0846/150
RATCHET HAND CABLE CUTTER

For electric cables.



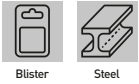
Cutting capacity	150 mm ² (Al - Cu)
Length	250 mm

Art.	Dimensions
0287/300	300 mm - 12"
0287/350	350 mm - 14"
0287/450	450 mm - 18"
0287/600	600 mm - 24"
0287/750	750 mm - 30"



0862

ADJUSTABLE AUTOMATIC WIRE STRIPPER



Max cut $\varnothing 0,8 \div 3,5 \text{ mm } 0,25 \div 6 \text{ mm}^2$

0101/500

CAMP AXE



0513

CAMP AXE WITH FIBRE-GLASS HANDLE



0515

AXE WITH FIBRE-GLASS HANDLE



Length 900 mm

0322

TELESCOPIC RATCHET LOPPING SHEARS TEFLON COATED HARDENED BLADE

Ergonomic handle.



Length 690 - 1030 mm



**0587-
STAPLES**


Art.	Model	Size
0587/8006	80	12,9 x 6h mm
0587/8008	80	12,9 x 8h mm
0587/8010	80	12,9 x 10h mm
0587/8012	80	12,9 x 12h mm
0587/8014	80	12,9 x 14h mm
0587/8016	80	12,9 x 16h mm

**0584-
NAILS**


Art.	Model	Size
0584/F10	TI-PIN	1 x 10h mm
0584/F15	TI-PIN	1 x 15h mm
0584/F20	TI-PIN	1 x 20h mm
0584/F25	TI-PIN	1 x 25h mm
0584/F30	TI-PIN	1 x 30h mm
0584/F35	TI-PIN	1 x 35h mm
0584/F40	TI-PIN	1 x 40h mm
0584/F45	TI-PIN	1 x 45h mm
0584/F50	TI-PIN	1 x 50h mm

**0151
STAPLES**


Stem 0,58 x 1,2 mm

**0295
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;


**0585-
STAPLES**


Art.	Model	Size
0585/9013	90	5,7 x 13h mm
0585/9019	90	5,7 x 19h mm
0585/9032	90	5,7 x 32h mm
0585/9040	90	5,7 x 40h mm

**0588-
HEADLESS PINS**


Art.	Model	Size
0588/615	0,60	0,63 x 15h mm
0588/620	0,60	0,63 x 20h mm
0588/625	0,60	0,63 x 25h mm


**0376/AC
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****ALUMINUM NUT RIVET SET**

M4: 50 Pcs - M5: 35 Pcs - M6: 15 Pcs - M8: 10Pcs - M10: 10 Pcs.



120 Pcs



Hangable



Alu

Aluminum

Nut rivets

M4 - M5 - M6 - M8 - M10

0376/AI**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**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



Alu

Aluminum

0229**COPPER WASHER SET**

30 Pcs M6; 25 Pcs M8; 20 Pcs M10; 15 Pcs M12; 10 Pcs M14; 10 Pcs M16.



110 Pcs



Box

0294**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" x 1-1/4"; 50 Pcs 1/8" x 2"; 30 Pcs 5/32" x 2-1/2".



555 Pcs



Box



Steel

0298**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**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**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



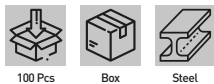
Box



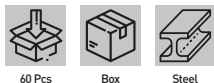
Steel

0179
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.


0257
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.


0116P
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".

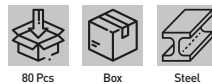

0299
METRIC O-RING SET

419 pieces in 32 different sizes made
of high quality NBR nitrile rubber, heat
resistant, oil resistant, gas resistant.

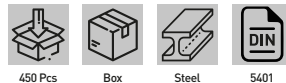
419 pieces in 32 different sizes made
of high quality NBR nitrile rubber, heat
resistant, oil resistant, gas resistant.


0263
WOODRUFF METRIC KEY SET

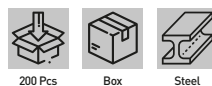
10 Pcs 4x7.5x19 mm; 10 Pcs 5x7.5x19 mm;
10 Pcs 3x5x13 mm; 10 Pcs 3x6.5x16 mm; 10
Pcs 4x5x13 mm; 10 Pcs 4x6.5x16 mm; 10 Pcs
5x9x22 mm; 10 Pcs 6x9x22 mm.


0116
METRIC CHROMED STEEL BALL SET

DIN 5401 grade, class III 50 Pcs 2.00 mm; 50
Pcs 2.50 mm; 50 Pcs 3.00 mm; 50 Pcs 3.50
mm; 50 Pcs 4.00 mm; 50 Pcs 4.50 mm; 50 Pcs
5.00 mm; 30 Pcs 5.50 mm; 30 Pcs 6.00 mm; 20
Pcs 7.00 mm; 20 Pcs 8.00 mm.


0180
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".

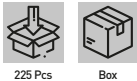

0299/P
O-RING SET IN INCHES

Assortment made of high quality NBR nitrile rubber, heat resistant, oil resistant, gas resistant.



**0177****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".

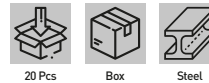


225 Pcs

Box

**0261****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.

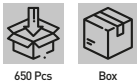


20 Pcs

Box

Steel

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****NYLON CABLE TIE SET**

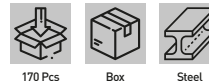
650 Pcs

Box

300 Pcs	2,5 x 100 mm
200 Pcs	3,6 x 150 mm
150 Pcs	4,8 x 200 mm

**0398****SCREW AND U TYPE CUSHIONS ASSORTMENT**

Screws: 3x8 mm 40Pcs 4x16 mm 20Pcs 5x12 mm 15Pcs 6x20 mm 10Pcs U clips: 3 mm 20Pcs 4 mm with notch 20Pcs 4 mm 20Pcs 5 mm 15Pcs 6 mm 10Pcs.



170 Pcs

Box

Steel

**0465****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.

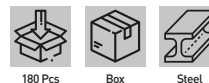


180 Pcs

Box

**0468****CONNECTING PLATE AND SCREW ASSORTMENT**

4 Pcs Assembly square: 25x25x16x2.0 mm 8 Pcs Assembly square: 40x40x16x2.0 mm 4 Pcs Assembly square: 60x60x16x2.0 mm 4 Pcs L Assembly square: 75x75x16x2.0 mm 4 Pcs L Flat angle plate: 40x40x12x2.0 mm 4 Pcs L Flat angle: 60x60x12x2.0 mm 4 Pcs Flat plate Connector: 80x15x2.0 mm 4 Pcs Flat plate Connector: 40x15x2.0 mm 144 Pcs screws: 3x16 mm.



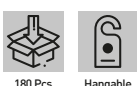
180 Pcs

Box

Steel

**0307/1****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.



180 Pcs

Hangable

Dimensions 5 x 20 mm

**0307/2****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.



180 Pcs

Hangable

Dimensions 5 x 20 mm



0317

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.

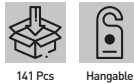


Dimensions 19.1 x 5.1 x 18.5 mm

0318

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

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 Pcs 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; 10 Pcs SVS2-5; 10 Pcs SVL5-4; 10 Pcs SVL5.5-4.



0380

PVC SHRINKABLE TUBE ASSORTMENT

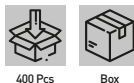
30 Pcs 5/64"x1-9/16"; 25 Pcs 3/32"x1-9/16"; 20 Pcs 1/8"x1-9/16"; 30 Pcs 3/16"x1-9/16"; 16 Pcs 9/32"x3-1/8"; 8 Pcs 3/8"x3-1/8"; 8 Pcs 1/2"x3-3/8".



0877

END TERMINAL SET

50 Pcs 0.5 mm²; 100 Pcs 0.75 mm²; 100 Pcs 1.0 mm²; 100 Pcs 1.5 mm²; 50 Pcs 2.5 mm².

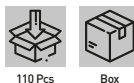


White end	50 x 0,5 mm ²
Grey end	100 x 0,75 mm ²
Red end	100 x 1 mm ²
Black end	100 x 1,5 mm ²
Blue end	50 x 2,5 mm ²

0176

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

BATTERIES FOR DIGITAL INSTRUMENTS



Voltage	1,5 V
Pack	10



CR20X

BATTERIES FOR DIGITAL INSTRUMENTS

Art.	Voltage	Pack
CR2025	3 V	10
CR2032	3 V	10





0678

POLYURETHANE FOAM GUN

Mount and foam adjustment.



Box

Length 290 mm

0085

9" HEAVY DUTY CAULKING GUN



Nickel plated



0521

9" HEAVY DUTY CAULKING GUN



Nickel plated



0234

9" REINFORCED CAULKING GUN SKELETON TYPE EXAGONAL ROD



Steel



0091

9" RATCHET CAULKING GUN BARREL TYPE



0604

9" EPOXY SEAL CAULKING GUN 345 ML AND 235 ML



Nickel plated



0861

9" EPOXY SEAL CAUL KING GUN



Nickel plated

0820-

SQUARE TROWELS



Steel



Art.	Length
0820/18	180 mm
0820/20	200 mm

0822

PLASTERING TROWEL WITH ABS HANDLE



Steel



Length	280 x 120 mm

0184-

PUTTY KNIFE WITH CLIPPED PLASTIC HANDLE MIRROR POLISH



INOX

Art.	Blade dimensions
0184/01	30 x 90h mm
0184/02	50 x 95h mm
0184/03	75 x 100h mm
0184/04	100 x 100h mm

P. 482

0819-

BRICKLAYING TROWELS ROUND NOSE



Steel



Art.	Length
0819/18	180 mm
0819/20	200 mm

0821/14

BRICKLAYING TROWEL ROUND NOSE



Steel



Length	140 mm

0823

NOTCHED TROWEL WITH ABS HANDLE



Steel



Length	280 x 120 mm

0606

POLYETHYLENE BUCKET



Dimensions	ø 360 x 240h mm
Capacity	14 l



0043

RED AND WHITE SIGNAL TAPE



Length	200 m
Height	70 mm

0747

PPL TAPE HAVANA COLOR



Belt dimensions	50 mm x 66 m
Pack	6

PVC300/125

PPL FILM



Dimensions	0,125h x 100 m
Thickness	20 µm
Pack	48

PVC300

PPL FILM



Dimensions	0,5h x 300 m
Thickness	23 µm
Pack	6

0103

TAPE FILM DISPENSER



Box

0760

STRETCH FILM HANDLE DISPENSER



0748

PPL FILM HANDLE DISPENSERS



028X

POLYETHYLENE PROTECTION COVER SHEET, TWO-COLOUR GRAY - BLUE

Protected to uv rays, woven polyethylene tarpaulin 140/150 g/m², eyelets every 50cm.



Art.	Dimensions	Net weight
0281	2,86 x 1,90 m	0,9 kg
0282	4 x 5 m	2,8 kg
0283	5 x 8 m	5,6 kg
0284	6 x 10 m	8 kg

C980/CC01

TOOL ROLLING CABINET WITH TOOLS



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/AM01

TOOL ROLLING CABINET WITH AUTOMOTIVE TOOLS



UPGRADE



142 Pcs

Included foam trays	TM01/047, TM01/048, TM01/049
Dimensions	770 x 460 x 985h mm
Drawer dimensions	566 x 405 mm
Drawers height	6 x 68 mm - 1 x 199 mm
Drawer capacity	6 x 25 kg - 1 x 40 kg



C960/CC01

TOOL ROLLING CABINET WITH TOOLS



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
Dimensions	770 x 460 x 985h mm
Drawer dimensions	566 x 405 mm
Drawers height	6 x 68 mm - 1 x 199 mm
Drawer capacity	6 x 25 kg - 1 x 40 kg

UPGRADE



C960/CC03

TOOL ROLLING CABINET WITH TOOLS

NEW



253 Pcs

Included foam trays	TM01/068, TM01/069, TM01/070
Dimensions	770 x 460 x 985h mm
Drawer dimensions	566 x 405 mm
Drawers height	6 x 68 mm - 1 x 199 mm
Drawer capacity	6 x 25 kg - 1 x 40 kg



C960/CC04

NEW

TOOL ROLLING CABINET WITH TOOLS



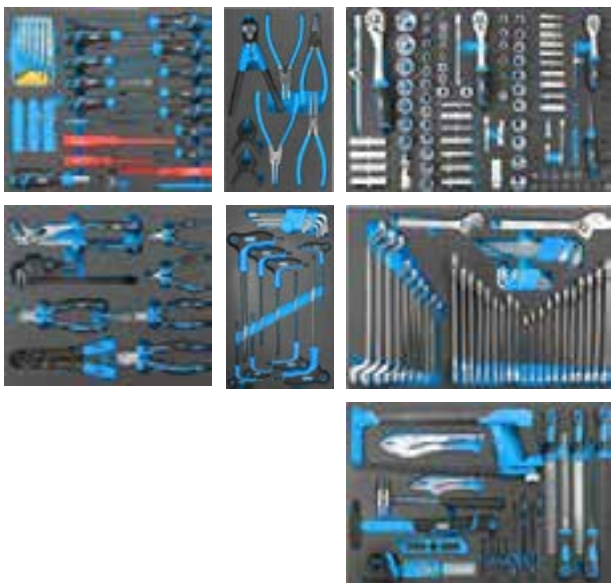
219 Pcs

Included foam trays	TM01/058, TM01/063, TM01/064, TM01/061
Dimensions	770 x 460 x 985h mm
Drawer dimensions	566 x 405 mm
Drawers height	6 x 68 mm - 1 x 199 mm
Drawer capacity	6 x 25 kg - 1 x 40 kg

C960CA

NEW

TOOL ROLLING CABINET WITH TOOLS



290 Pcs

Included foam trays	C960/1A, C960/2A, C960/3A, C960/4A, C960/5A, C960/7A, C960/8A
Dimensions	770 x 460 x 985h mm
Drawer dimensions	566 x 405 mm
Drawers height	6 x 68 mm - 1 x 199 mm
Drawer capacity	6 x 25 kg - 1 x 40 kg



C960C3C

NEW

TOOL ROLLING CABINET WITH TOOLS



235 Pcs

Included foam trays	C960/1A, C960/3A, C960/4A
Dimensions	770 x 460 x 985h mm
Drawer dimensions	566 x 405 mm
Drawers height	6 x 68 mm - 1 x 199 mm
Drawer capacity	6 x 25 kg - 1 x 40 kg

C900/CC01

TOOL ROLLING CABINET WITH TOOLS



UPGRADE



113 Pcs

Included foam trays	TM01/001, TM01/012, TM01/014, TM01/020, TM01/022, TM01/024, TM01/042
Tool cabinet size	744 x 461 x 964h mm
Drawer dimensions	569 x 406 mm
Drawers height	4 x 45 mm - 1 x 145 mm - 1 x 225 mm
Drawer capacity	25 kg

C900/CC03
NEW
TOOL ROLLING CABINET WITH TOOLS


253 Pcs

Included foam trays	TM01/068, TM01/069, TM01/070
Dimensions	744 x 461 x 964h mm
Drawer dimensions	569 x 406 mm
Drawers height	4 x 45 mm - 1 x 145 mm - 1 x 225 mm
Drawer capacity	25 kg

C900/CC04
NEW
TOOL ROLLING CABINET WITH TOOLS


219 Pcs

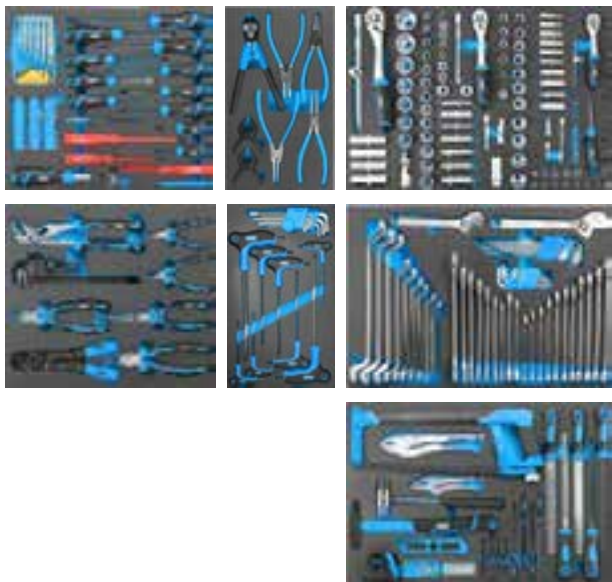
Included foam trays	TM01/058, TM01/063, TM01/064, TM01/061
Dimensions	744 x 461 x 964h mm
Drawer dimensions	569 x 406 mm
Drawers height	4 x 45 mm - 1 x 145 mm - 1 x 225 mm
Drawer capacity	25 kg



C900CA

NEW

TOOL ROLLING CABINET WITH TOOLS



290 Pcs

Included foam trays	C960/1A, C960/2A, C960/3A, C960/4A, C960/5A, C960/7A, C960/8A
Dimensions	744 x 461 x 964h mm
Drawer dimensions	569 x 406 mm
Drawers height	4 x 70 mm - 1 x 145 mm - 1 x 225 mm
Drawer capacity	25 kg

C900C3C

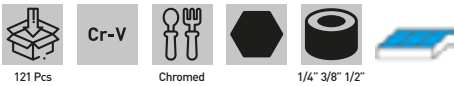
NEW

TOOL ROLLING CABINET WITH TOOLS

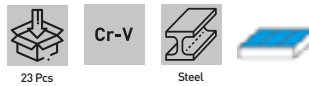


235 Pcs

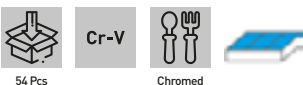
Included foam trays	C960/1A, C960/3A, C960/4A
Dimensions	744 x 461 x 964h mm
Drawer dimensions	569 x 406 mm
Drawers height	4 x 70 mm - 1 x 145 mm - 1 x 225 mm
Drawer capacity	25 kg

C960/1A
NEW
TOOLS IN FOAM TRAY FOR ROLLING CABINETS


Sockets with bits	1/4" - H3-H4-H5-H6; PH1-PH2-PH3; SL4-5.5-6.5; T8-T10-T15-T20-T30-T50
Ratchet handles	1/4", 3/8", 1/2"
Socket handle	1/4"
Socket	1/4", 1/2"
Joints	1/4", 3/8", 1/2"
Sliding T-bar	1/4", 3/8", 1/2"
Extension bars	1/4", 3/8", 1/2"
1/4" Dr. sockets	Hexagonal 4-4.5-5-5.5-6-7-8-9-10-11-12-13 mm
3/8" Dr. sockets	Hexagonal 8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-24 mm Polygonal E8-E10-E11-E12-E14-E16-E18-E20
1/2" Dr. sockets	Hexagonal 8-9-10-11-12-13-14-15-16-17-18-19-20 -21-22-23-24-27-30-32 mm
1/2" Dr. deep sockets	Hexagonal 14-15-17-19 mm
1/4" Dr. deep sockets	Hexagonal 4-5-6-7-8-9-10-11-12-13 mm
Bits	SL3-4-5-6 mm; PZ0-PZ1-PZ2-PZ3; PH0-1-2-3

C960/2A
NEW
TOOLS IN FOAM TRAY FOR ROLLING CABINETS


Utility knife	1 (+10 blades)
Center punches	1/32 - 2/32 - 3/32 - 4/32
Precision tape	5m/16ft
File	9 Pcs
Locking pliers	170 mm - 250 mm / 7" - 10"
Mallet	1 Pc
German hammer	1 Pc
Mini hacksaw	1 Pc
Kit	Screws - Dowels

C960/3A
NEW
TOOLS IN FOAM TRAY FOR ROLLING CABINETS


Double open end wrench	6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17-18x19 - 20x22 - 21x23 - 24x27 mm
Ring spanners	6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 - 21x23 - 24x27 mm
Combination spanner	10-11-12-13-14-15-16-17-18-19-21-24 mm
Ratchet gear wrenches	13-14 mm
Hex keys	1.5 - 2 - 2.5 - 3 - 4 - 5 - 6 - 8 - 10 mm
Adjustable wrenches	8" - 10"





C960/4A

NEW

TOOLS IN FOAM TRAY FOR ROLLING CABINETS



Cr-V



60 Pcs

Screwdrivers	SL 3x75 - 5x75 - 6x38 - 3x100 PH 3x75 - 5x75 - 6x38 - 3x100 - 6x100 mm - 6x10 - 8x150 mm
Electrician screwdrivers	SL 4x100, SL 5.5x125, PH 4x10
Precision screwdriver	6 Pcs
Circuit tester Screwdriver	100-250V
Magnet	Extendable
Accessories	Y bit

C960/5A

NEW

TOOLS IN FOAM TRAY FOR ROLLING CABINETS



Cr-V



8 Pcs

Chromed

Long nose pliers	120 mm - 200 mm / 5" - 8"
Crimping pliers	1 Pcs
Cutters	115 mm - 200 mm / 4,5" - 8"
Combination plier	1 Pcs
Water pump pliers	250 mm / 10"
Pipe Wrench	250 mm / 10"

C960/7A

NEW

TOOLS IN FOAM TRAY FOR ROLLING CABINETS



Cr-V



17 Pcs

Chromed

Ball point hex key	T10-T15-T20-T25-T27-T30-T40-T45-T50
T handle	2x100, 2.5x100, 3x100, 4x150, 5x150, 6x150, 8x200, 10x200 mm

C960/8A

NEW

TOOLS IN FOAM TRAY FOR ROLLING CABINETS



Cr-V



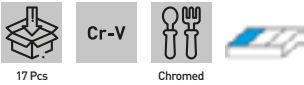
7 Pcs

Chromed

Cutters	200 mm / 8"
Clamps	90 mm / 3.5"
Pliers	Snap ring pliers

TM01/001

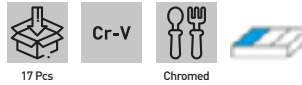
COMBINATION SPANNER SET IN FOAM TRAY



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

COMBINATION SPANNER SET IN FOAM TRAY



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

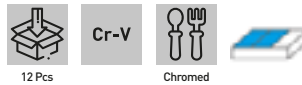
OPEN END WRENCHES SET IN FOAM TRAY



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

OPEN END WRENCHES SET IN FOAM TRAY



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

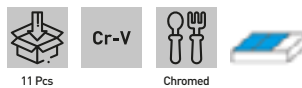
FOAM TRAY WITH ART. 0690 RATCHET SPANNER SET 8-19 MM



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

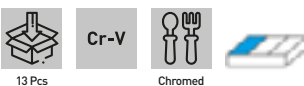
MALE T-HANDLE HEX WRENCH SET IN FOAM TRAY



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

MALE T-HANDLE TORX WRENCH SET IN FOAM TRAY



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

T HANDLE MAGNETIC SWIVEL HEX SOCKET SET IN FOAM TRAY



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

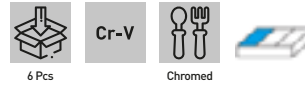
T HANDLE MAGNETIC SWIVEL HEX SOCKET SET IN FOAM TRAY



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

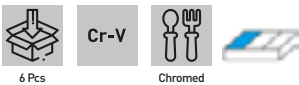
TWO WAY HEX KEY WITH ANATOMIC PLASTIC HANDLE SET IN FOAM TRAY



Dimensions	188 x 405 x 33 mm
Sizes	3 - 4 - 5 - 6 - 8 mm
Included items	0856/..

TM01/014

TWO WAY TORX KEY WITH ANATOMIC PLASTIC HANDLE SET IN FOAM TRAY



Dimensions	188 x 405 x 33 mm
Sizes	T10 - T15 - T20 - T25 - T30 - T40
Included items	0855/..

TM01/063

NEW

TOOLS SERIES FOR AUTOMOTIVE IN FOAM TRAY



Dimensions	565 x 405 x 33 mm
Included items	D883/... - D884/...

TM01/068

NEW

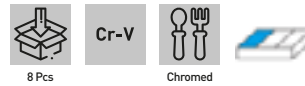
TOOLS SERIES FOR AUTOMOTIVE IN FOAM TRAY



Dimensions	565 x 405 x 33 mm
Included items	0215 - 0672 - 0224/...

TM01/016

FLAT SCREWDRIVER SET IN FOAM TRAY



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

CROSSTIP SCREWDRIVER SET IN FOAM TRAY



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

MIXED SCREWDRIVER SET IN FOAM TRAY



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
FLAT SCREWDRIVER SET WITH DIAMOND TIP IN FOAM TRAY

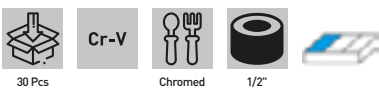

Dimensions	188 x 405 x 33 mm
Slotted screwdriver	4 x 75 - 4 x 100 - 5 x 125 - 6 x 150 - 8 x 150 - 6 x 38 mm
Electrician screwdriver	3 x 75 - 4 x 100 mm
Included items	D883/.. - D884/..

TM01/046
MIXED SCREWDRIVER SET WITH DIAMOND TIP IN FOAM TRAY


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/..

TM01/070
TOOLS SERIES FOR AUTOMOTIVE IN FOAM TRAY
NEW


Dimensions	565 x 405 x 33 mm
Included items	0173 - 0402 - BN4C3L...

TM01/023
BI-HEXAGONAL HAND SOCKET SET IN FOAM TRAY


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

TM01/045
CROSSTIP SCREWDRIVER SET WITH DIAMOND TIP IN FOAM TRAY


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/..

TM01/053
ADDITIONAL TOOLS SERIES FOR AUTOMOTIVE IN FOAM TRAY


Dimensions	565 x 405 x 33 mm
Included items	L002/250 - 0136 - 0370/8 - 0368/10 - 0209

TM01/022
HEXAGONAL HAND SOCKET SET IN FOAM TRAY


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

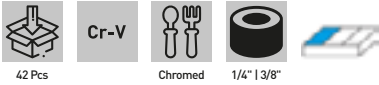
TM01/024
HEXAGONAL HAND SOCKET SET IN FOAM TRAY


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

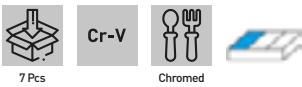
BI-HEXAGONAL HAND SOCKET SET IN FOAM TRAY



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..

TM01/027

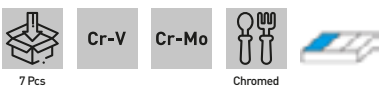
NUT DRIVER SET IN FOAM TRAY



Dimensions	188 x 405 x 33 mm
Sizes	5,5 - 6 - 7 - 8 - 10 - 12 - 13 mm
Included items	CB01/..

TM01/029

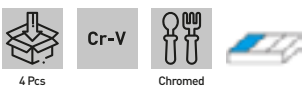
FLEXIBLE NUT DRIVER SET IN FOAM TRAY



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/..

TM01/031

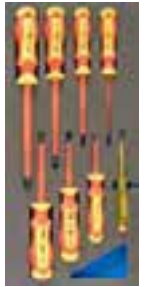
RING SPANNER SET IN FOAM TRAY



Dimensions	188 x 405 x 33 mm
Sizes	21x23 - 24x27 - 25x28 - 30x32 mm
Included items	0476/..

TM01/026

INSULATED SCREWDRIVER SET IN FOAM TRAY



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	C182/.. - C183/.. - 0013/142

TM01/028

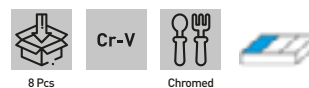
NUT DRIVER SET IN FOAM TRAY



Dimensions	188 x 405 x 33 mm
Sizes	5,5 - 6 - 7 - 8 - 10 - 12 - 13 mm
Included items	CB02/..

TM01/030

RING SPANNER SET IN FOAM TRAY



Dimensions	188 x 405 x 33 mm
Sizes	6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm
Included items	0476/..

TM01/032

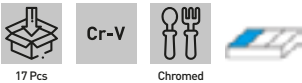
COMBINATION SPANNER SET IN FOAM TRAY



Dimensions	188 x 405 x 33 mm
Sizes	24 - 27 - 30 - 32 mm
Included items	0224/..

TM01/033
COMBINATION SPANNER SET IN FOAM TRAY


Dimensions	188 x 405 x 33 mm
Sizes	24 - 27 - 30 - 32 mm
Included items	0208/..

TM01/036
HEXAGONAL TUBULAR SOCKET AND FLARE NUT WRENCH SET IN FOAM TRAY


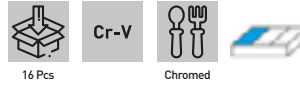
Dimensions	188 x 405 x 33 mm
Tubular sockets	6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm
Flare nit wrenches	100 - 6x7, 115 - 8x9, 130 - 10x11, 145 - 12x13, 160 - 14x15, 170 - 16x17, 185 - 18x19 - 205 - 20x22 mm
Included items	0540/.. - 0134S

TM01/037
DRIFT PIN SET IN FOAM TRAY


Sizes	Ø2x140 - Ø3x150 - Ø4x180 - Ø5x220 - Ø6x210 - Ø7x210 - Ø8x220 mm
Included items	C015/..

TM01/064
NEW
TOOLS SERIES FOR AUTOMOTIVE IN FOAM TRAY

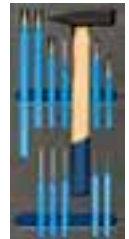

Dimensions	565 x 405 x 33 mm
Included items	0873/BD8 - 0873/U8 - 0873/TL - 0246 - 0248 - 0247 - 0249 - 0154/500DIN - 0839/40 - 0118 - B006/4 - S022/18 - C012/04

TM01/035
HEXAGONAL TUBULAR SOCKET AND FLARE NUT WRENCH SET IN FOAM TRAY


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/.. - 0134S

TM01/069
NEW
TOOLS SERIES FOR AUTOMOTIVE IN FOAM TRAY


Dimensions	565 x 405 x 33 mm
Included items	0096/L - 0154/300DIN - 0617 - 0831/250 - 0839/40 - 0873/BD6 - 0873/TL - 0873/U6 - C012/.. - F2G5

TM01/038
DRIFT PIN SET WITH HAMMER IN FOAM TRAY


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
PLIER SET IN FOAM TRAY


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

HEXAGONAL IMPACT SOCKET SET IN FOAM TRAY

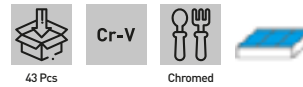


Dimensions	188 x 405 x 33 mm
Socket	10 - 11 - 12 - 13 - 14 - 16 - 17 - 18 - 19 - 21 - 22 - 23 - 24 mm
Extension bars	75 - 150 - 250 mm
Included items	BI4E3N.. - PI453..

TM01/047

NEW

TOOLS SERIES FOR AUTOMOTIVE IN FOAM TRAY

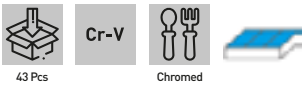


Dimensions	565 x 405 x 33 mm
Included items	0084/250 - 0190 - 0201/...

TM01/048

NEW

TOOLS SERIES FOR AUTOMOTIVE IN FOAM TRAY

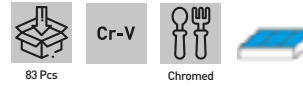


Dimensions	565 x 405 x 33 mm
Included items	

TM01/049

NEW

TOOLS SERIES FOR AUTOMOTIVE IN FOAM TRAY



Dimensions	565 x 405 x 33 mm
Included items	0402 - 0839/40 - BN413NX ...

TM01/050

MEASURING INSTRUMENTS FOR AUTOMOTIV IN FOAM TRAY



Dimensions	565 x 405 x 33 mm
Included items	C033/150 - C004 - 0212 - C058 - F685 - T053 - C070 - 0312

TM01/052

PNEUMATIC SERIES FOR AUTOMOTIVE IN FOAM TRAY



Dimensions	565 x 405 x 33 mm
Included items	AP03 - BI4E3Nx - PI453150 - 0341 - JI403N - 0608

TM01/054

EMPTY FOAM TRAY 2 SLOTS FOR A007/16 CABINET



External Dimensions	155 x 405 x 33 mm
Internal dimensions	2: 103 x 166 x 25 mm

TM01/055

EMPTY FOAM TRAY 3 SLOTS FOR A007/16 CABINET



External Dimensions	155 x 405 x 33 mm
Internal dimensions	3: 103 x 104 x 25 mm

TM01/100**EMPTY FOAM TRAY FOR SMALL ITEMS**

Dimensions

188 x 405 x 33 mm

TM01/110**EMPTY FOAM TRAY FOR SMALL ITEMS**

Dimensions

376 x 405 x 33 mm

TM01/120**EMPTY FOAM TRAY FOR SMALL ITEMS**

Dimensions

564 x 405 x 33 mm



**0165****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****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



0105T
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 4 heads	4
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
TOOL BOX WITH TROLLEY, TOOLS AND ACCESSORIES



135 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

TOOL BOX WITH ACCESSORIES



UPGRADE



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 piners	220 mm		
Multipurpose scissors	175 mm		
Punches and chisel	5		
Snap ring pliers with 4 heads	4		
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

TOOL BOX WITH ACCESSORIES



UPGRADE



135 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 - 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
TOOL BOX WITH TOOLS AND ACCESSORIES


87 Pcs



Box

Cr-V

Ball point hex key	1,5-2-2,5-3-4-5-6-8 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	8-10-11-12-13-14-15-17 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
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
Bit holder	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
TOOL BOX WITH TOOLS AND ACCESSORIES


53 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
Pliers	150 mm
Adjustable wrench	200 mm
Long nose pliers	150 mm
Water pump pliers	240 mm
Male adapter 1/4" Dr. and 1/4" hex	1
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

0164
NEW
FABRIC TOOL CASE WITH TOOLS AND ACCESSORIES

Functional ultra-resistant fabric briefcase with double top logo-embroidered handle and practical shoulder strap. Composed of 59 tools and accessories.



59 Pcs

Cr-V

Water pump pliers	250 mm
Ball point hex key	1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm
Combination plier	180 mm
Scissors	200 mm
Utility knife	18 mm
Magnetic bit holder	1
Bits	30 - 1/4"
Ratchet bit handle	1
German hammer	300 g
Screwdrivers	(-) 3 x 75 - 5 x 100 mm - (+) 0 x 75 - 1 x 100 - 2 x 100 mm
Precision tape	5 m
Combination spanner	7 - 8 - 10 - 13 - 17 - 19 mm



POWERTOOLS

p. 505



Cordless power tools

p. 513



Wire power tools



PNEUMATICS

p. 518



Staplers and brad nailers

p. 520



Air impact wrenches

p. 523



Air die grinders

p. 523



Air belt sander

p. 526



Air guns

p. 528



Spray guns

p. 531



Air hose reel



SOLDERING IRONS, PAINT STRIPPERS AND HEAT GLUE GUNS

p. 532



Solderings

p. 533



Hot air guns

p. 534



Glue guns



EQUIPMENT FOR LIQUIDS AND FLUIDS

p. 535



Oilers

p. 536



Greaser guns

p. 537



Spray

p. 540



Tanks

p. 540



Pressure sprayers

p. 541



Pumps



HEATERS, LIGHTING AND LENSES

p. 543



Heaters

p. 544



LED Lights

p. 545



Lamps

p. 547



Magnifier lens

p. 547



Battery operated torches and lamps

p. 551



Power sockets



FERVI POWER TOOLS

Designed to take your work experience to the next level - easier, faster and more efficient. Thanks to cutting-edge technologies and high-quality materials, they are designed to last over time and offer exceptional performance.

POWER

Our power tools are equipped with powerful motors that will allow you to tackle even the most demanding challenges with ease.



MORE POWER

We have designed a wide range of tools to suit your specific needs, be it professional work, DIY or home maintenance. Our advanced technology ensures greater energy efficiency, thus helping to reduce energy consumption.



EXTRAPOWER

They are designed with your comfort in mind, with ergonomic handles and an intuitive design to reduce fatigue during use. Our range is built to resist wear and tear and ensure long life, so you can rely on them for many years to come.



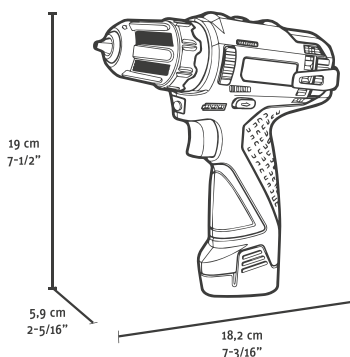
A complete range consisting of the battery-powered line with 20 V platform - F20VRange - and the wired one to meet your application needs.

NEW

FB12CD3AS-22B

CORDLESS DRILL - SCREWDRIVER 12V

Automatic spindle lock, keyless self-tightening chuck, 21 clutch settings, step speed selection, electronic speed adjustment, variable torque, 2 modes: screwdriving and drilling, reverse rotation, quick charge, belt clip, built-in led light.



- Carrying case
- Brushless Motor
- Electronic Speed
- Keyless
- Variable Torque
- Speed Selector
- 2 Functions

No-load speed	0-380 min-1 / 0-1250 min-1	Drilling output wood	Max 28 mm
Chuck tightening range	0,8 - 10 mm	Max screw diameter	6 mm
Torque	19 / 30 Nm	Included batteries	2 x 2Ah, 12V
Drilling output steel	Max 10 mm	Included battery charger	2A, 12V



F20VRANGE



Impact drill / Screwdriver

Heavy rotary hammer

Cordless drill

Impact wrench

Work light

Impact screwdriver

Angle grinder



BATTERY



20V 2Ah



20V 4Ah



20V 2A



20V 4A

High performance brushless motor

The F20VRange range is made up of brushless motor tools with advanced technology that guarantees greater performance, longer life, lighter and more compact tools.

Optimized battery cells

The new professional lithium battery cells have a lower impedance which guarantees greater power. Our 20 V batteries have slow self-discharge which guarantees longer life and a reduced memory effect which guarantees longer life cycles.

The right range in the right place

An important range in constant growth, designed to tackle the most demanding applications.

2Ah, 4Ah

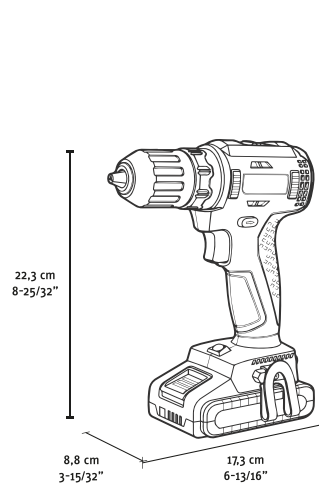
The 2 capacity levels allow you to choose the most suitable battery based on the type of work and duration of use.

2A, 4A

Our rapid chargers allow you to always be operational, optimizing your work.

FB20CD3AB-
NEW
CORDLESS DRILL - SCREWDRIVER 20V

Brushless motor, automatic spindle lock, keyless self-tightening chuck, 21 clutch settings, step speed selection, electronic speed adjustment, variable torque, 2 modes: screwdriving and drilling, reverse rotation, belt clip, built-in led light, effective motor cooling system.



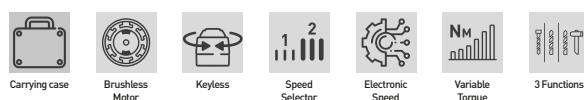
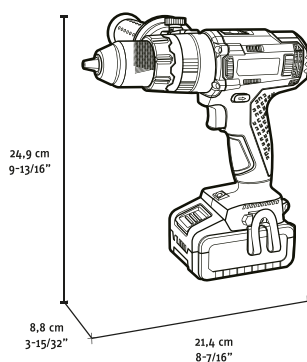
No-load speed	0-420 min-1 / 0-1400 min-1
Chuck tightening range	2 - 13 mm
Torque	35 / 55 Nm
Drilling output steel	Max 13 mm
Drilling output wood	Max 40 mm
Max screw diameter	8 mm



Art.	Batteries	Battery charger
FB20CD3AB-12B	1 x 2Ah, 20V	2A, 20V
FB20CD3AB-14B	1 x 4Ah, 20V	4A, 20V
FB20CD3AB-22B	2 x 2Ah, 20V	2A, 20V
FB20CD3AB-24B	2 x 4Ah, 20V	4A, 20V
FB20CD3AB-B	Not included	Not included

FB20ID3AB-
NEW
IMPACT DRILL - SCREWDRIVER 20 V

Brushless motor, automatic spindle lock, metal keyless self-tightening chuck, 21 clutch settings, step speed selection, electronic speed adjustment, variable torque, 3 modes: screwdriving / drilling / impact drilling, reverse rotation, belt clip, built-in led light, large air vents.



No-load speed	0-550 min-1 / 0-2000 min-1
Impact rate	0-7500 min-1 / 0-30000 min-1
Chuck tightening range	1,5 - 13 mm
Torque	70 / 75 Nm
Drilling output concrete	Max 16 mm
Drilling output steel	Max 13 mm
Drilling output wood	Max 40 mm
Max screw diameter	10 mm



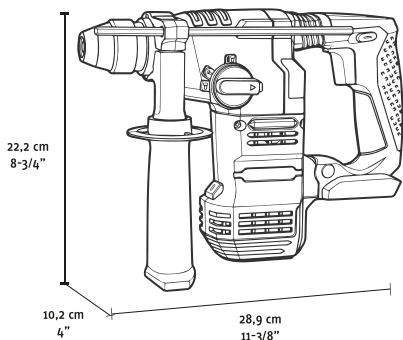
Art.	Batteries	Battery charger
FB20ID3AB-12B	1 x 2Ah, 20V	2A, 20V
FB20ID3AB-14B	1 x 4Ah, 20V	4A, 20V
FB20ID3AB-22B	2 x 2Ah, 20V	2A, 20V
FB20ID3AB-24B	2 x 4Ah, 20V	4A, 20V
FB20ID3AB-B	Not included	Not included

FB20RH3AB-

NEW

HEAVY ROTARY HAMMER 20 V

Brushless motor, sds-plus chuck, rotation speed stabilization system at both an idle and under load, 3 modes: drilling / impact drilling / chiselling, vario-lock mode, anti-vibrations system, safety clutch to prevent motor damages and overloads, built-in led light, depth stop included.



No-load speed	0-1400 min-1
Impact rate	0-4500 min-1
Chuck tightening range	2,3 J
Torque	SDS-Plus
Drilling output concrete	Max 18 mm
Drilling output steel	Max 13 mm
Drilling output wood	Max 20 mm
Max screw diameter	10 mm

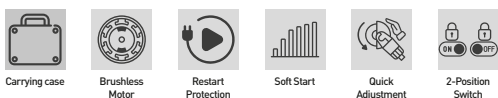
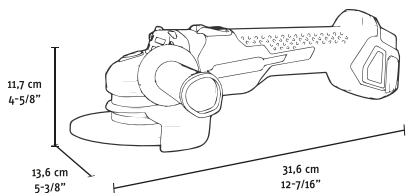
Art.	Batteries	Battery charger
FB20RH3AB-24B	2 x 4Ah, 20V	4A, 20V
FB20RH3AB-B	Not included	Not included

FB20AG3AB-

NEW

ANGLE GRINDER 125 MM 20V

Brushless motor, soft start for increased safety of use, restart protection, two-position on/off switch with locking system, safety clutch to prevent motor damages and overloads, quick adjustable guard, soft rubber grip, metal dust filter on air intake, small size machine body, thick soft rubber anti-vibration grip, large air vents.



Speed	8000 min-1
Shank	M14
Max Ø of cutting disc	125 mm
Max Ø of grinding disc	125 mm
Max Ø of rubber sanding plate	125 mm
Max Ø of circular wire brush	75 mm
Max Ø of cup wire brush	75 mm

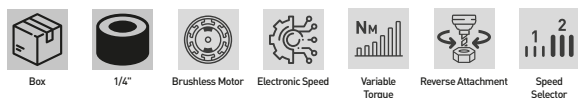
Art.	Batteries	Battery charger
FB20AG3AB-12B	1 x 2Ah, 20V	2A, 20V
FB20AG3AB-14B	1 x 4Ah, 20V	4A, 20V
FB20AG3AB-22B	2 x 2Ah, 20V	2A, 20V
FB20AG3AB-24B	2 x 4Ah, 20V	4A, 20V
FB20AG3AB-B	Not included	Not included

FB20IS3AB-K

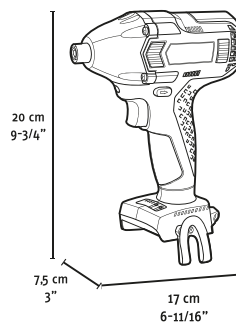
NEW

IMPACT SCREWDRIVER 20V

Brushless motor, 1/4" hexagonal tool holder, electronic speed adjustment, step speed selection, reverse rotation, built-in led light (4 lights), belt clip, variable torque: 35 nm / 130 nm / 200 nm / 260 nm, additional anti-vibration hook for 4ah battery, magnesium head for better heat dissipation, efficient ventilation system for engine cooling.



No-load speed	0-2100 min-1
Impact rate	0-3200 min-1
Torque	35 / 130 / 200 / 260 Nm
Tool holder	1/4" hex
Min - max bolt / nut Ø	M12 - M22
Batteries	Not included
Included battery charger	Not included

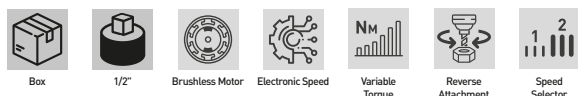


FB20IW3AB-K

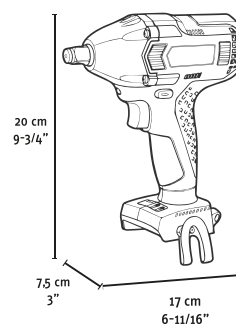
NEW

IMPACT WRENCH 20V

Brushless motor, 1/2" square tool holder, electronic speed adjustment, step speed selection, reverse rotation, built-in led light (4 lights), belt clip, variable torque: 35 nm / 130 nm / 200 nm / 300 nm, additional anti-vibration hook for 4ah battery, magnesium head for better heat dissipation, efficient ventilation system for engine cooling.



No-load speed	0-2100 min-1
Impact rate	0-3200 min-1
Torque	35 / 130 / 200 / 300 Nm
Tool holder	1/2" square
Min - max bolt / nut Ø	M12 - M22
Batteries	Not included
Battery charger	Not included



FB20LL3AX-K

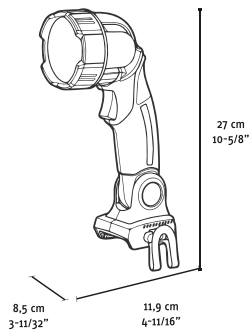
NEW

WORK LIGHT 20V

270° swivel head, soft rubber grip, belt clip, luminous flux 250 lm.

- Box
- Soft Grip
- ~12h (2Ah) /
~24h (4Ah)
- Belt Hook
- 270°
- LI-ION
BATTERY

LED power	3 W
Luminous flux	250 lm
Autonomy	~12h (2Ah) / ~24h (4Ah)
Batteries	Not included
Battery charger	Not included





FB20BC3A2-K

NEW

BATTERY CHARGER 2A 20V

Compatible with Fervi FB20LB3A2 and FB20LB3A4 batteries.



Box

Power	55 W
Output voltage	20 V
Output current	2 A
Recharging time	60 min. (FB20LB3A2) / 120 min. (FB20LB3A4)

FB20BC3A4-K

NEW

CHARGER 4A 20V

Compatible with Fervi FB20LB3A2 and FB20LB3A4 batteries
Fan-powered ventilated quick charge.



Box

Power	100 W
Output voltage	18 - 20 V Max.
Output current	4 A
Recharging time	35 min. (FB20LB3A2) / 60 min. (FB20LB3A4)

FB20LB3A2-E

NEW

BATTERY 2AH 20V

Compatible with all items in the Fervi F20VRange line
Compatible with Fervi FB20BC3A2 and FB20BC3A4 chargers.



Blister

Battery type	Li-Ion
Voltage	20 V
Capacity	2 Ah
Recharging time	60 min. (FB20BC3A2) / 35 min (FB20BC3A4)

FB20LB3A4-E

NEW

BATTERY 4AH 20V

Compatible with all items in the Fervi F20VRange line
Compatible with Fervi FB20BC3A2 and FB20BC3A4 chargers.



Blister

Battery type	Li-Ion
Voltage	20 V
Capacity	4 Ah
Recharging time	120 min. (FB20BC3A2) / 60 min (FB20BC3A4)

F20VRANGE

Charging Times

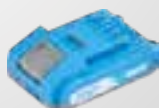


FB20BC3A2-K
20V - 2Ah



FB20BC3A4-K
20V - 4Ah

FB20LB3A2-E
20V - 2Ah



60 minutes

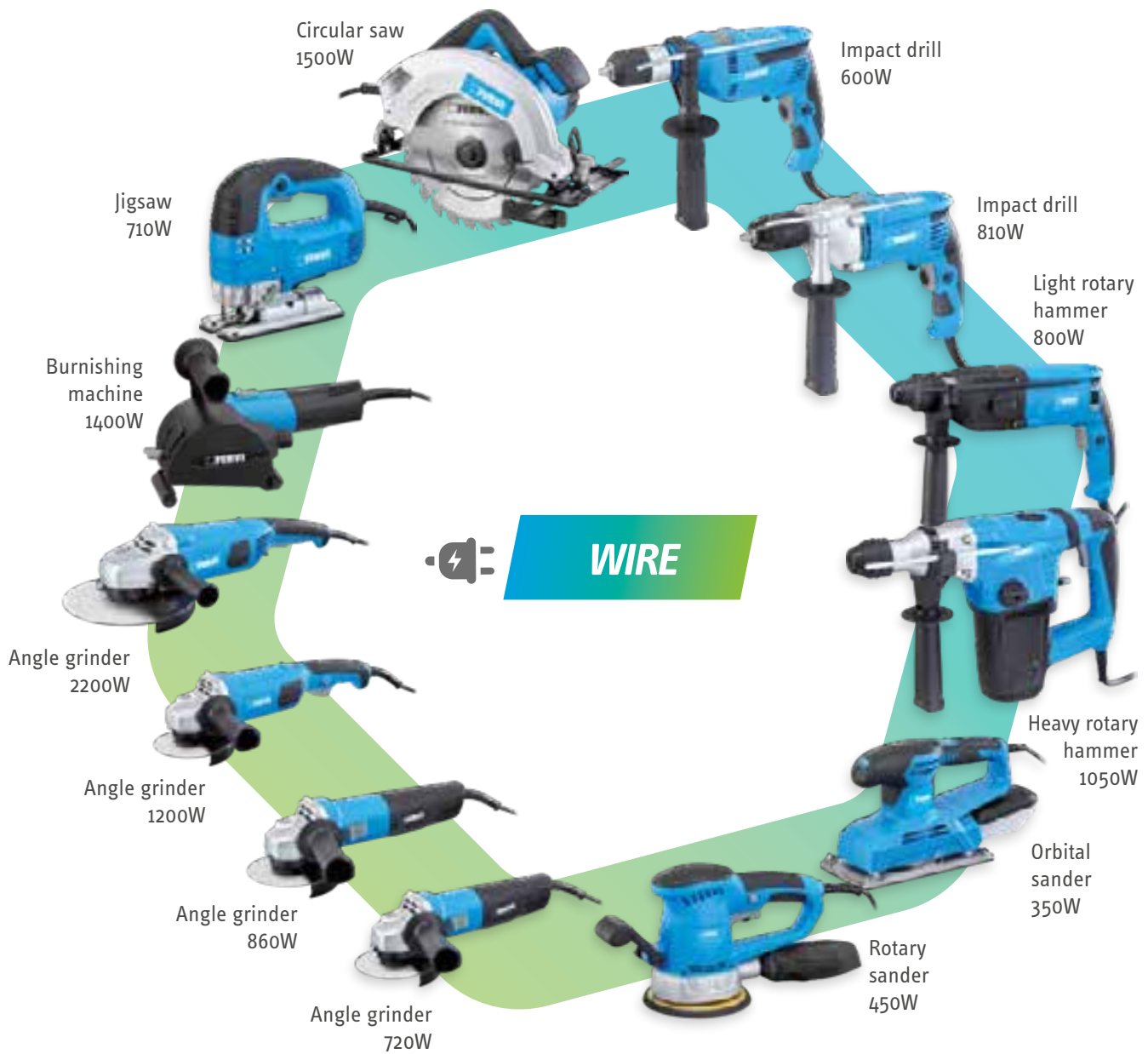
35 minutes

FB20LB3A4-E
20V - 4Ah



120 minutes

60 minutes



High Price/Performance ratio

The wire line is equipped with high-performance motors equipped with on-board electronics for speed regulation, overheating management and gradual starting. This feature allows you to use a high-performance power tool at an incredible price.

Ergonomics and lightweight

The ergonomics and weight of the power tools have been designed to allow intensive use without burdening the operator.

Full line

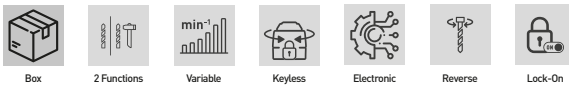
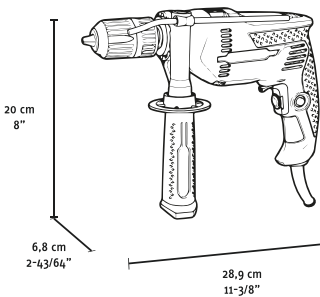
When designing the wire line, we tried to accommodate all applications, also thinking about the materials to be processed.

For this reason, within the current offer you will find power tools for processing the following materials:

- IRON
- STEEL
- ALUMINUM
- WOOD
- CEMENT
- CONCRETE

FFID06003A-K
NEW
IMPACT DRILL 600W

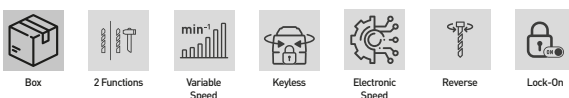
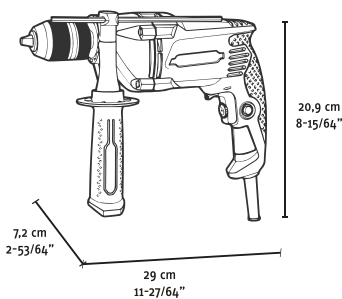
2-Steps-lock keyless self-tightening chuck, variable speed, electronic speed adjustment, 2 modes: drilling / impact drilling, reverse rotation, lock-on function for increased comfort during extended work mode, non-slip soft rubber grip, depth stop and additional handle included.



Power	600 W
Amperage at 220-230V	2,8 A
No-load speed	0-2800 min ⁻¹
Impact rate	0-44800 min ⁻¹
Chuck tightening range	2 - 13 mm
Drilling output concrete	Max 13 mm
Drilling output steel	Max 13 mm
Drilling output wood	Max 20 mm

FFID08103A-K
NEW
IMPACT DRILL 810W

Metal keyless self-tightening chuck, variable speed, electronic speed adjustment, 2 modes: drilling / impact drilling, reverse rotation, lock-on function for increased comfort during extended work mode, non-slip soft rubber grip, depth stop and additional handle included.



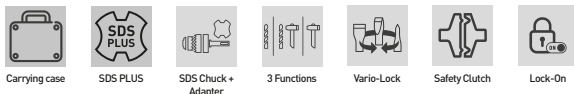
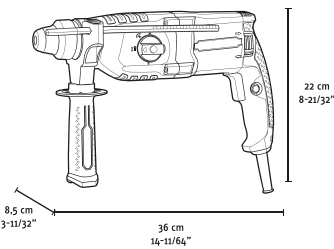
Power	810 W
Amperage at 220-230V	3,9 A
No-load speed	0-2800 min ⁻¹
Impact rate	0-44800 min ⁻¹
Chuck tightening range	2 - 13 mm
Drilling output concrete	Max 16 mm
Drilling output steel	Max 13 mm
Drilling output wood	Max 30 mm

FFRH08003A-B

NEW

LIGHT ROTARY HAMMER 800W

Sds-plus chuck, extra gear rim chuck with sds-plus adapter, electronic speed adjustment, 3 modes: drilling / impact drilling / chiselling, vario-lock mode, reverse rotation, safety clutch to prevent motor damages and overloads, lock-on function for increased comfort during extended work mode, soft rubber grip, depth stop, additional handle, 3 bits, pointed and flat chisels, additional chuck and flange wrench included.



Power	800 W
Amperage at 220-230V	3,8 A
No-load speed	0-1200 min-1
Impact rate	0-5300 min-1
Test force	3,4 J
Chuck sizes	SDS-Plus
Drilling output concrete	Max 26 mm
Drilling output steel	Max 13 mm
Drilling output wood	Max 40 mm

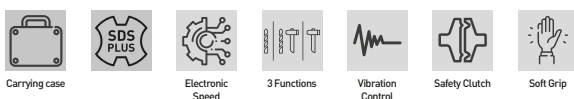
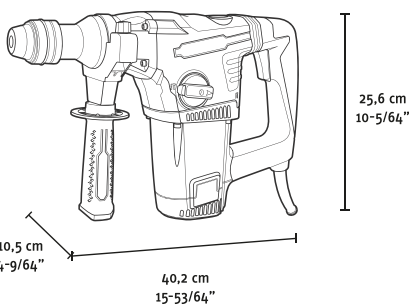


FFRH10503A-B

NEW

HEAVY ROTARY HAMMER 1050W

Sds-plus chuck, electronic speed adjustment, 3 modes: drilling / impact drilling / chiselling, anti-vibrations system, safety clutch to prevent motor damages and overloads, soft rubber grip, depth stop, additional handle, 3 bits, pointed and flat chisels, dust collector, container with lubricant, flange wrench included.



Power	1050 W
Amperage at 220-230V	4,9 A
No-load speed	0-750 min-1
Impact rate	0-2800 min-1
Test force	4,8 J
Chuck sizes	SDS-Plus
Drilling output concrete	Max 32 mm
Drilling output steel	Max 13 mm
Drilling output wood	Max 40 mm



FFAG07203A-115K
NEW
ANGLE GRINDER 115 MM 720W

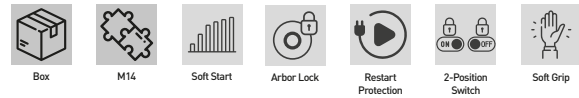
M14 spindle thread, soft start, spindle lock, restart protection, two-position on/off slide switch with lock, small-size soft rubber grip, motor ecu to avoid rotor and stator overload, flange wrench, additional handle, protection guard included.



Power	720 W
Amperage at 220-230V	3,3 A
Speed	0-11000 min ⁻¹
Shank	M14
Max Ø of cutting disc	115 mm
Max Ø of grinding disc	115 mm
Max Ø of rubber sanding plate	115 mm
Max Ø of circular wire brush	75 mm
Max Ø of cup wire brush	75 mm

FFAG08603A-125K
NEW
ANGLE GRINDER 125 MM 860W

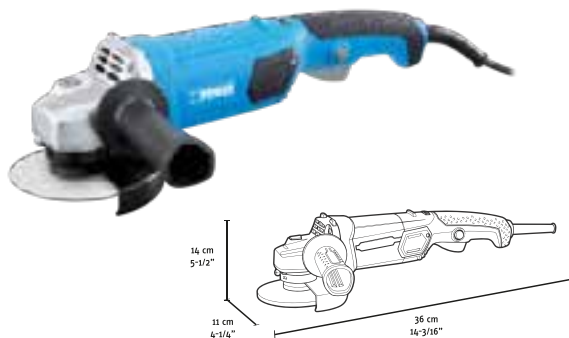
M14 spindle thread, soft start, spindle lock, restart protection, two-position on/off slide switch with lock, small-size soft rubber grip, motor ecu to avoid rotor and stator overload, flange wrench, additional handle, protection guard included.



Power	860 W
Amperage at 220-230V	3,9 A
Speed	0-11000 min ⁻¹
Shank	M14
Max Ø of cutting disc	125 mm
Max Ø of grinding disc	125 mm
Max Ø of rubber sanding plate	125 mm
Max Ø of circular wire brush	75 mm
Max Ø of cup wire brush	75 mm

FFAG12003V-125K
NEW
ANGLE GRINDER 125 MM 1200W

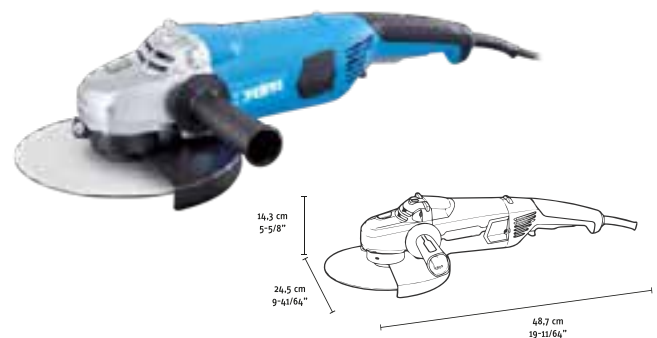
M14 spindle thread, soft start, variable speed, spindle lock, restart protection, lock-off function, small-size soft rubber grip, large air vents, quick-access carbon brush inspection compartment, flange wrench, additional handle, protection guard included.



Power	1200 W
Amperage at 220-230V	5,4 A
Speed	0-11000 min ⁻¹
Shank	M14
Max Ø of cutting disc	125 mm
Max Ø of grinding disc	125 mm
Max Ø of rubber sanding plate	125 mm
Max Ø of circular wire brush	75 mm
Max Ø of cup wire brush	75 mm

FFAG22003A-230K
NEW
ANGLE GRINDER 230 MM 2200W

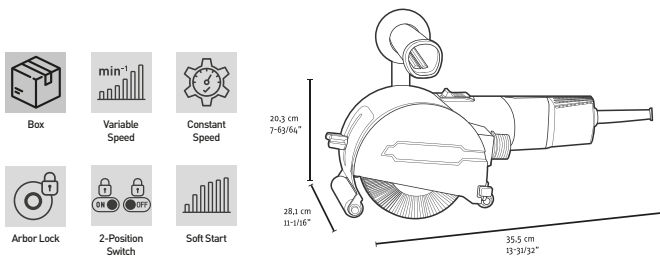
M14 spindle thread, soft start, spindle lock, restart protection, lock-off function, small-size soft rubber grip, motor ecu to avoid rotor and stator overload, 3-positions additional handle, large air vents and front airflow, 8 mm rubber cable, flange wrench, additional handle, protection guard included.



Power	2200 W
Amperage at 220-230V	10,0 A
Speed	0-6500 min ⁻¹
Shank	M14
Max Ø of cutting disc	230 mm
Max Ø of grinding disc	230 mm
Max Ø of rubber sanding plate	230 mm
Max Ø of circular wire brush	100 mm
Max Ø of cup wire brush	100 mm

FFSF14003A-110K
NEW
BURNISHING MACHINE 110 MM 1400W

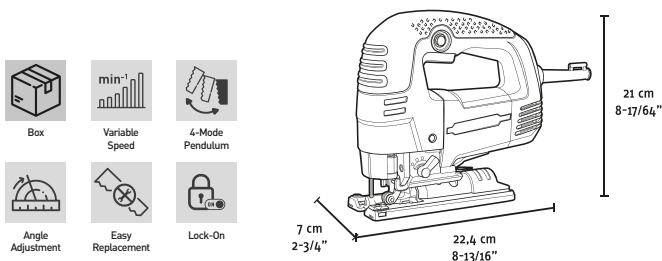
Variable speed, rotation speed stabilization system at both an idle and under load, soft start, spindle lock, restart protection, two-position on/off switch with locking system, brush depth adjustment system with protective casing, additional handle, protective casing, vacuum cleaner adapter, allen key included.



Power	1400 W
Amperage at 220-230V	6,6 A
Speed	1000-4000 min-1
Spindle diameter	19 mm
Max Ø of brush	110 mm
Max width of brush	100 mm


FFJS07103A-K
NEW
JIGSAW 710W

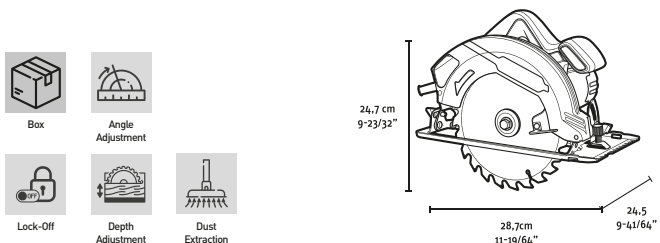
Stroke rate regulation, angular adjustment, 4-stage pendulum, saw blade quick change with blade defense, lock-on function, metal gears, front airflow for a cleaner cut, ideal for plunge cuts, saw blade, wing screw for guide bar, locating pin, allen key, guide for parallel / circle cutting included.



Power	710 W
Amperage at 220-230V	3,1 A
Stroke rate at no-load	700-3000 min-1
Stroke length	26 mm
Cutting depth in wood	85 mm
Cutting depth in aluminium	20 mm
Cutting depth in steel	10 mm
Cut range	Max 45° / 45°


FFCS15003A-190K
NEW
CIRCULAR SAW 1500W

Cutting depth adjustment, angular adjustment, lock-off function, dust extraction system with exhaust pipe, operator protection, soft rubber grip, blade, wrench, parallel guide included.



Power	1500 W
Amperage at 220-230V	6,8 A
No-load speed	5500 min-1
Min / max Ø blade	185 / 190 mm
Hole diameter	20 mm
Blade thickness	2 mm
Cutting Depth	Max 66 mm (90°) / 46 mm (45°)



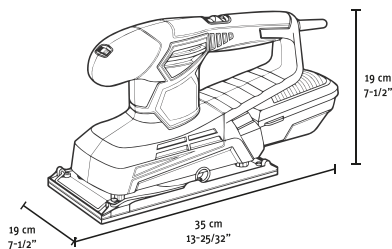
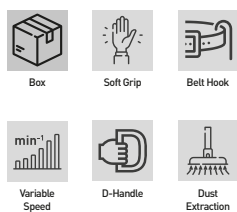


FFOS03503A-K

NEW

ORBITAL SANDER 350W

Clamp-lever fixing system, variable speed, dust extraction system with container / compatible with vacuum cleaner, rear soft rubber d-handle, filter cleaning system, 3 pcs sandpaper and dust container included.



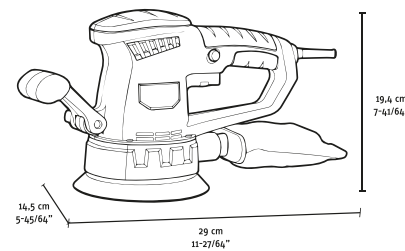
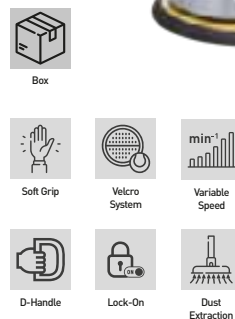
Power	350 W
Amperage at 220-230V	1,5 A
No-load speed	6000-11000 min-1
No-load oscillation rate	12000-22000 min-1
Eccentricity	2,5 mm
Sanding paper size	115 x 280 mm
Sanding surface size	115 x 230 mm

FFRS04503A-150K

NEW

ROTARY SANDER 150 MM 450W

Velcro fixing system, variable speed, lock-on function for increased comfort during extended work mode, dust extraction system with bag / compatible with vacuum cleaner, rear soft rubber d-handle, adjustable front handle, 3 pcs sandpaper (grit 60, 80, 120) and dust bag included.



Power	450 W
Amperage at 220-230V	1,9 A
No-load speed	4000 min-1 / 13000 min-1
No-load oscillation rate	8000-26000 min-1
Eccentricity	2 mm
Sanding plate diameter	150 mm



0149

HEAVY DUTY STAPLE GUN TACKER

With 500 staples and 500 nails.



Blister

C586

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

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

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

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

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

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

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

AIR PALM NAILER



Box

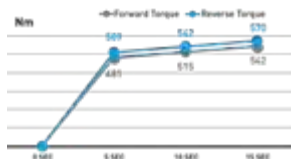
Working pressure	5 - 7 bar
Dimensions	111 x 115 x 70 mm
Nails	Ø 2.5 ÷ 4.1 - head Ø 6.3 ÷ 8.7 - length 38 ÷ 90 mm
Air inlet	1/4"
Net weight	0,5 kg



AP01

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.

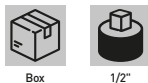
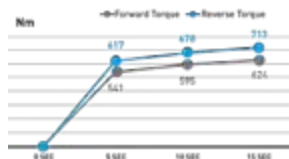


Speed	8500 rpm
Torque	542 Nm 400 lb-ft
Avg air cons.	108 l/min 3.8 SCFM
Working pressure	6 bar 90 psi
Air inlet	1/4"
Net weight	1,2 kg

AP02

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.

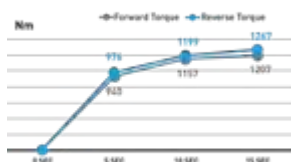


Speed	7800 rpm
Torque	678 Nm 500 lb-ft
Avg air cons.	136 l/min 4.8 SCFM
Working pressure	6 bar 90 psi
Air inlet	1/4"
Net weight	1,2 kg

AP03

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.

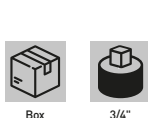
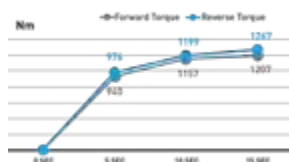


Speed	7300 rpm
Torque	1085 Nm 800 lb-ft
Avg air cons.	153 l/min 5.4 SCFM
Working pressure	6 bar 90 psi
Air inlet	1/4"
Net weight	2 kg

AP04

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.



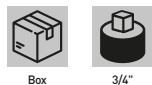
Speed	7300 rpm
Torque	1085 Nm 800 lb-ft
Avg air cons.	153 l/min 5.4 SCFM
Working pressure	6 bar 90 psi
Air inlet	1/4"
Net weight	2,1 kg



AP05

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.

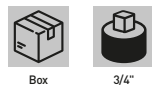
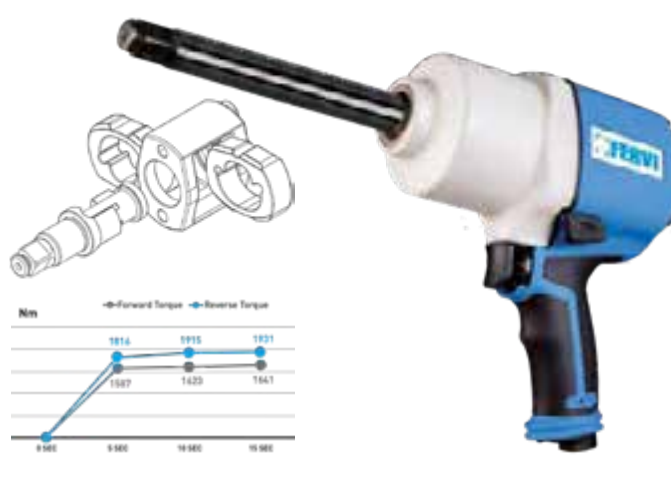


Speed	5300 rpm
Torque	1900 Nm 1400 lb-ft
Avg air cons.	224 l/min 8.1 SCFM
Working pressure	6 bar 90 psi
Air inlet	3/8"
Net weight	3,3 kg

AP05/150

AIR IMPACT WRENCH

With 150 mm 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.

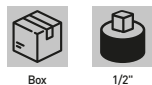


Speed	5300 rpm
Torque	1900 Nm 1400 lb-ft
Avg air cons.	224 l/min 8.1 SCFM
Working pressure	6 bar 90 psi
Air inlet	3/8"
Net weight	4 kg

AP06

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



0571

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

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

AIR IMPACT WRENCH

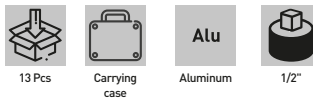


Speed	4200 rpm
Torque	950 Nm
Avg air cons.	8 SCFM (240 l/min)
Working pressure	6 bar / 90 psi
Air inlet	1/4"
Net weight	4,8 kg

0044

AIR IMPACT WRENCH SET

With 10 wrenches, a wrench extension, 1/4" nozzle.



Speed	7000 rpm	Working pressure	6 bar/90 psi
Torque	320 Nm	Sound pressure level	84,4 ± 2,94 dB(A)
Socket	9-10-11-13-14-17-19-22-24-27 mm	Level vibration transmitted to hand-arm	8.53 ± 2.05 m/s ²
Extension	125 mm	Air inlet	1/4"
Avg air cons.	5 SCFM (150 l/min)	Net weight	4 kg

0045

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

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

MINI AIR DIE GRINDER

Collet 3 mm and 6 mm. 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

90° AIR DIE GRINDER

Collet Ø 3 mm - Ø 6 mm. 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

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

AIR DIE GRINDER

3 mm and 6 mm, 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

LONG TYPE AIR DIE GRINDER

3 and 6 mm 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

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
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
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
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
6" AIR ORBIT SANDER WITH SUCTION

Speed control, 2.5 mm orbit, hook & loop pad, 360° rear exhaust, die cast aluminum body with soft handle grip in lightweight and ergonomic design.

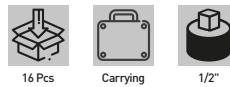


Box

Disc diameter	150 mm - 6"
Orbit	2,38 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
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


0039
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

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

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

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

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

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

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

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

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



0784

AIR BELT SANDER

With spare belts. Light metal body.

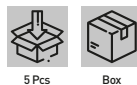


Speed	16000 rpm	Belt	10 x 330 mm
Avg air cons.	6 SCFM (180 l/min.)	Air inlet	1/4"
Working pressure	6 bar / 90 psi	Net weight	0,9 kg



0059

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



0049

OILER

For pneumatic tools.



W021PG

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"



W021PA

BLOW GUN



Nozzle	2.0 mm
Working pressure	2 - 6 bar
Air inlet	1/4"



W021PN

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

BLOW GUN



Alu

Blister Aluminum

Nozzle	2.0 mm
Working pressure	4-6 bar
Air inlet	1/4"



0125

DIGITAL TYRE GAUGE

With backlight and various measurement units. Equipped with tyre valve screwdriver.



Blister

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
Air inlet	1/4"



0608

TYRE INFLATING GUN



Blister

Manometer	ø 63 mm
Reading	0÷12 bar 0÷174 psi
Rubber hose length	420 mm
Air inlet	German-type rapid



0610

WASHING GUN



Box

Capacity	1000 ml
Air inlet	1/4"



0609

TYRE INFLATING GUN



Blister

Manometer	ø 70 mm
Reading	0÷12 bar 0÷174 psi
Rubber hose length	1000 mm
Air inlet	1/4"



0725

BLOW GUN



Blister

Hose length	100 mm
Air inlet	1/4"



UPGRADE

0725L

LONG NOSE BLOW GUN



Blister

Hose length	275 mm
Air inlet	1/4"



UPGRADE

0412

BLOW GUN

High quality, with chromed steel 100 mm nozzle gun body in POM plastic (Polyoxymethylene) brass valve.



Blister

Hose length	100 mm
Air inlet	1/4"



TH601A
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.



Box

INOX


Chromed



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
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.



Box

INOX


Chromed



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
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.



Box

INOX


Chromed



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
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.



Box

INOX


Chromed



Nozzle	Ø 1,4 mm
Capacity	1000 cc
Working pressure	2,5 - 3 bar
Air inlet	1/4"
Net weight	1,1 kg

A601A
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.



Box

INOX


Chromed



Nozzle	Ø 1,4 mm
Capacity	600 cc
Working pressure	2,5 - 3,5 bar
Air inlet	1/4"
Net weight	1 kg

A602A
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.



Box

INOX


Chromed



Nozzle	Ø 1,0 mm
Capacity	100 cc
Working pressure	2 - 2,5 bar
Air inlet	1/4"
Net weight	0,5 kg



A901A

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

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

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

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

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

MINI SPRAY GUN

Fitting for pressurized air container and 1/4" fitting for air compressor.



TH250
PRESSURE REGULATOR

With gauge for air tools.



Blister

Manometer	ø 40 mm
Reading	0÷11 bar 0÷160 psi

TH500
PRESSURE REGULATOR

With gauge for air tools.



Blister

Manometer	ø 30 mm
Reading	0÷10 bar 0÷145 psi

0777/2
REDUCER WITH GAUGE AND FILTER


Box

Shank	1/4" - 3/8" - 1/2"
Reading	0÷10 bar 0÷140 psi

0777/3
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

Art.	Shank
0785/1M	1/4"
0785/2M	3/8"


0785-XF
SET 2 PCS UNIVERSAL FEMALE QUICK COUPLER

Art.	Shank
0785/1F	1/4"
0785/2F	3/8"


0783-XM
SET 2 PCS OF GERMAN TYPE MALE PLUG

Art.	Shank
0783/1M	1/4"
0783/2M	3/8"


0783-XF
2 PCS SET GERMAN TYPE FEMALE PLUG

Art.	Shank
0783/1F	1/4"
0783/2F	3/8"


S075-
POLYURETHANE SPIRAL HOSE WITH SWIVEL MALE FITTING

Art.	Length	Diameter	Thread
S075/08X5	7,5 m	Ø 8 x 5 mm	1/4"
S075/10X6.5	7,5 m	Ø 10 x 6,5 mm	1/4"
S100/08X5	10 m	Ø 8 x 5 mm	1/4"
S100/10X6.5	10 m	Ø 10 x 6,5 mm	1/4"
S100/12X8	10 m	Ø 12 x 8 mm	1/4"

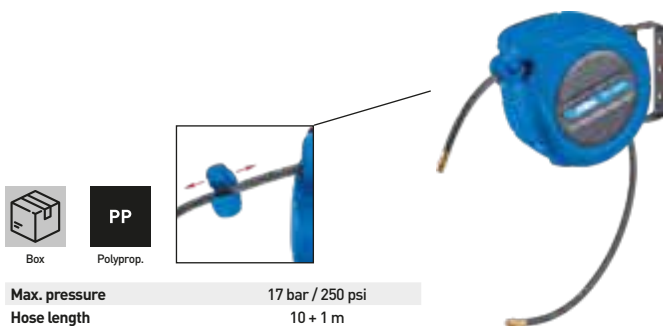




A481/10

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.

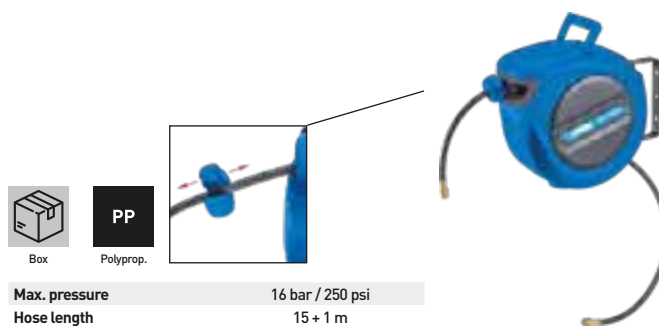


Max. pressure	17 bar / 250 psi
Hose length	10 + 1 m
Male Fitting	1/4" BSPT
Hose diameter	ø 12 x 8 mm
Working temperature	0 ÷ 45° C
Net weight	2,9 kg

A481/15

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.

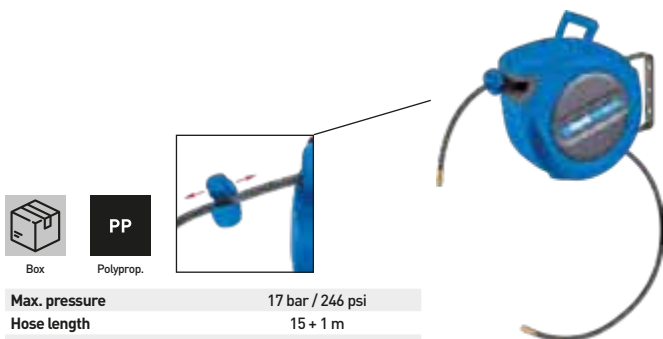


Max. pressure	16 bar / 250 psi
Hose length	15 + 1 m
Male Fitting	1/4" BSPT
Hose diameter	ø 12 x 8 mm
Working temperature	0 ÷ 45° C
Net weight	4,4 kg

A481/15H

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.

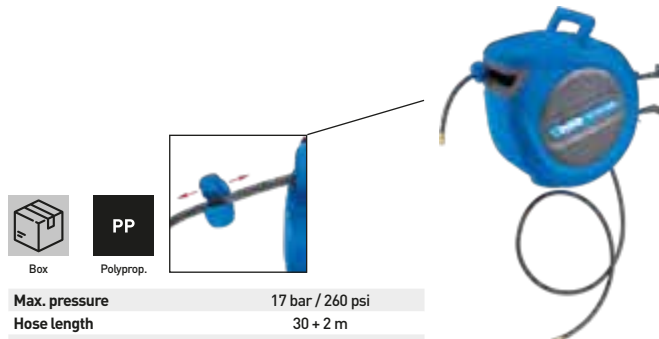


Max. pressure	17 bar / 246 psi
Hose length	15 + 1 m
Male Fitting	3/8" BSPT
Hose diameter	ø 13.5 x 9.5 mm
Working temperature	0 ÷ 45° C
Net weight	4,5 kg

A481/30H

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	17 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

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

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



0793

WOOD-BURNING PEN SET WITH 6 PINS OF DIFFERENT SHAPE



Power 230 V 50 Hz 30 W

0033A

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

0031

HIGH PRECISION TEMPERATURE -CONTROLLED SOLDERING IRON STATION

Adjustable temperature 150°C - 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

0027/30W

SOLDERING IRON



Power	230 V 50 Hz 30 W
Working temperature	450°C ± 10%

0027/40W

SOLDERING IRON



Power	230 V 50 Hz 40 W
Working temperature	450°C ± 10%

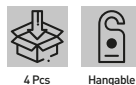
0033A/TIP

SOLDERING IRON TIP SET



0027/40W/TIP

SOLDERING IRON TIP SET



0037

SOLDERING IRON COMBINATION SET



Power	230V 50Hz 30W
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0037/TIP

SOLDERING IRON SPARE PART TIP

Set of tips with hole ø 6 mm.



0864

GAS SOLDERING IRON

Tip and solder heads with protection cap and gas igniter.



Blister

Dimensions 165 x 23 mm

0026

SOLDERING GUN

With tin and a spare pointer.



Blister

Power 230 V 50 Hz 100 W

0443

FAST HEATING SOLDERING GUN

With adjustable temperature.



Carrying case

Power 230V 50Hz 200W
Temperature 70 °C ÷ 500 °C

0024

HOT AIR GUN



Box

Temperature 300 °C - 500 °C
Air stream 280 l/min - 480 l/min
Power 230 V 50Hz 1,5 kW

0694

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

0444

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 50°C - II 70°C ÷ 600°C - III 70°C ÷ 600°C
Air stream I 300L/min - II 300L/min - III 500L/min

0865

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

0441

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

HOT KNIFE FOR POLYSTYRENE WITH ADJUSTABLE TEMPERATURE

For polystyrene, plastic, foam and sponge, adjustable cutting length.



Box

Power	230 V, 50 Hz, 130 W
Temperature	Max 450 °C
Cutting capacity with adjustment	14 ÷ 97 mm
Max cut	120 mm

0333

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

0706

GLUE GUN TRIGGER FEED



Carrying case

Power	230 V 40W 300 °C
Glue stick	Ø 12 mm

0333/150

SPARE BLADE



0034

HOT MELT GLUE STICKS



10 Pcs



Blister

Dimensions	Ø 12 x 200 mm Tot. 200 gr
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0431

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



10 Pcs



Blister

Dimensions	Ø 12 x 200 mm 200 gr mm
------------	-------------------------



**0156-****FLEXIBLE OIL-CAN**

Art.	Capacity
0156/200	200 cc
0156/500	500 cc

0164/250**OILER WITH VERTICAL FLEXIBLE SPOUT**

Plastic

Capacity	250 cc
----------	--------

0171-**MEASURING JUG**

With flexible spout, screw cover and anti-dripping end cap.



Plastic

Art.	Capacity
0171/2	2 l
0171/3	3 l
0171/5	5 l

0172/150**PLASTIC FUNNEL**

Closing screw, flexible spout, anti-dripping top/end covers and upper handle for the hanging.



Plastic

Diameter	Ø150 mm
Height	435 mm

0158/500**OILER WITH FLEXIBLE SPOUT**

Plastic



Capacity	500 ml
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0473-**OIL DRAIN PAN**

With pouring spout and handles, made of high density polyethylene, impact resistant.



Art.	Capacity	Dimensions
0473/10	10 l	Ø400 x 120h mm
0473/15	15 l	Ø500 x 130h mm

0183/750**PLASTIC CAN WITH SPOUT**

Plastic



Capacity	750 ml
----------	--------

0677/500
500CC HAND OPERATED LEVER GREASE GUN

Composed of metal tank and pump, coupler and 300 mm PVC flexible hose, for using with loose grease or ø 53 mm grease cartridges.



Box

Capacity	500 cc
Flexible hose sizes	ø 8 x 300 mm

0677
HAND OPERATED LEVER GREASE GUN

Composed of metal tank and pump, coupler and 450 mm PVC flexible hose for using ø 55 mm grease cartridges or loose grease (adaptor already mounted).



Box

Capacity	1000 cc
Flexible hose sizes	ø 9 x 450 mm

0677/1A
AIR OPERATED GREASE GUN

To be used with ø 55 mm cartridge or loose grease with 2 grease cartridges, 400 mm reinforced hose included and 4 jaw adjustable fitting.



Box

Capacity	800 cc
Dimensions	ø 60 x 500 mm
Working pressure	4 - 6 bar
Max. pressure	10 bar

0677/500CG
GREASE CARTRIDGE

Based on lithium soap, dropping point > 185 ° C, resistant to high loads



Box

Capacity	500cc
Dimensions	ø 53 mm

0677/CG
GREASE CARTRIDGE

Based on lithium soap, dropping point > 185 ° C, resistant to high loads



Box

Capacity	650 cc
Dimensions	ø 55 mm

0677/SO
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	1 l
G030/05	5 l
G030/25	25 l

S401/00**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**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**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**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
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S401/04**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
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S401/05
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
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
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
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
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
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****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.



Capacity 400 ml

**S401/13****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.



Capacity 400 ml

**S401/07****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.



Capacity 500 ml

**S401/14****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.



Capacity 400 ml

**S401/15****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.



Capacity 400 ml

**S401/16****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.



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	5	260 x 120 x 250h mm	0,5 kg
0660/10	10	330 x 160 x 300h mm	0,7 kg
0660/20	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	5	1,5 kg
0189/10C	10	2,5 kg
0189/20C	20	3,7 kg

0189/G

METAL POURING SPOUT



Pack 10

0194

METAL POURING SPOUT



Pack 5

0356

TROLLEY PRESSURE SPRAYER WITH BRASS LANCE PIPE

With FPM gaskets.



Box

Capacity 16 L

0303

PRESSURE SPRAYER WITH BRASS LANCE PIPE

With gauge and FPM gaskets.



Box

Capacity 8 L

**0274****PRESSURE SPRAYER WITH BRASS NOZZLE**

With FPM gaskets.



Capacity 2 l

0289**PRESSURE SPRAYER WITH BRASS NOZZLE**

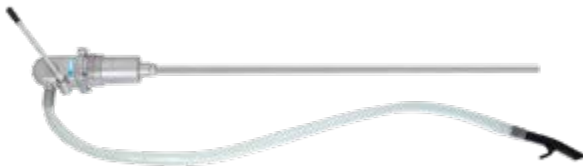
Rubber gaskets.



Capacity 2 l

P024/06**LEVER ACTION HAND PUMP**

For transferring lubricating oil, diesel, kerosene and antifreeze drums with rigid steel pipe Ø 16 x 700 mm with thread M16 x 1 and delivery pipe in plastic.



Box

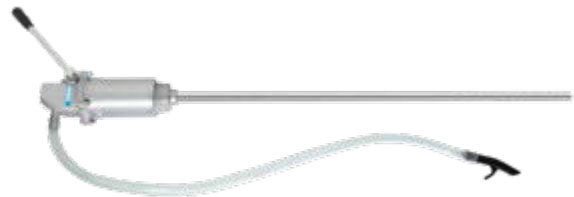
Alu

Aluminum

Capacity	6 l/min
Single stroke capacity	0.10 l
Pump thread	2" / 1-1/2"

P024/15**LEVER ACTION HAND PUMP**

For transferring lubricating oil, diesel, kerosene and antifreeze drums with rigid steel pipe Ø 20 x 820 mm with 1/2" gas thread and plastic delivery pipe.



Box

Alu

Aluminum

Capacity	15 l/min
Single stroke capacity	0.35 l
Pump thread	2" / 1-1/2"

0385**ROTARY HAND PUMP**

For transferring lubricating oil, diesel, kerosene and antifreeze drums with telescopic suction pipe.



Box

Alu

Aluminum

Capacity	20 l/min
Pump thread	2"

0386**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
PVC DIESEL GUN


Box

Capacity	60÷80 l/min
Nozzle	Ø25 mm
Inlet thread	1" BSP

0474/PA
AUTOMATIC DIESEL GUN


Box

Capacity	90 l/min
Nozzle	Ø25 mm
Inlet thread	1" BSP

0272
DRILL PUMP

For no flammable, explosive, corrosive and oily liquid. Suitable use for rack spindles.



Blister

Plastic

Hydraulic head	30 m
Pump capacity	40 l/min
Max. pressure	0.3 MPa
Max speed	3400 rpm
Max temperature	40°C
Hose diameter	19 mm 3/4"

0474/PE
NOZZLE OIL GUN

With swivel connector.



Box

Alu

Aluminum

Capacity	60÷120 l/min
Nozzle	Ø25 mm
Inlet thread	1" BSP


0755
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



R608

2000 W 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

INFRARED HEATER

With support for wall mounting metal housing, with metal net-cover.



Power 230 V, 1300 W

R60XA

TRIPOD ELECTRIC RADIANT INFRARED HEATER

Metal housing, with metal net-cover.



Art.	Power	Tripod height without heaters
R609A	230 V 1,3 kW	600 ÷ 1500 mm
R610A	230 V 2 kW	600 ÷ 1500 mm

R610

INFRARED HEATER

With support for wall mounting metal housing, with metal net-cover.



Power 230 V, 2000 W

R60XB

ELECTRIC RADIANT INFRARED HEATER WITH STAND

Metal housing, with metal net-cover.



Art.	Power
R609B	230 V 1,3 kW
R610B	230 V 2 kW

T609

ADJUSTABLE HEIGHT TRIPOD

Suitable for light, heater.



Height 600 ÷ 1500 mm
Upper fixing M 8

B609

INFRARED BULB

230V, 1300 W.



Length 250 mm

B610

INFRARED BULB

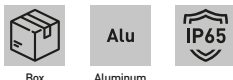
230V, 2000 W.



Length 340 mm

0218-
LED FLOODLIGHTS

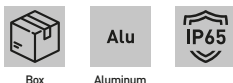
Aluminium super slim die-cast housing, tempered glass.



Art.	Power	Luminous flux	Color temperature	LED number	Cable	Dimensions
0218/10	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	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	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	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

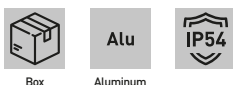
Aluminium super slim die-cast housing, tempered glass.



Art.	Power	Luminous flux	Color temperature	Cable
0218/10B	230 V, 50 Hz, 10 W	800 lm	4000 K	2 m, 3x1 mm ² H05VV-F
0218/20B	230 V, 50 Hz, 20 W	1600 lm	4000 K	2 m, 3x1 mm ² H05VV-F
0218/30B	230 V, 50 Hz, 30 W	2400 lm	4000 K	2 m, 3x1 mm ² H05VV-F
0218/50B	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.



Art.	Power	Luminous flux	Color temperature	Cable
0218/10S	230 V, 50 Hz, 10 W	800 lm	4000 K	30 cm, 3x1 mm ² H05VV-F
0218/20S	230 V, 50 Hz, 20 W	1600 lm	4000 K	30 cm, 3x1 mm ² H05VV-F
0218/30S	230 V, 50 Hz, 30 W	2400 lm	4000 K	30 cm, 3x1 mm ² H05VV-F
0218/50S	230 V, 50 Hz, 50 W	4000 lm	4000 K	30 cm, 3x1 mm ² H05VV-F



0218/50T

50W LED FLOODLIGHT WITH TRIPOD

Aluminium super slim die-cast housing, tempered glass.



Box

Alu

Aluminum



IP65

Power	220 - 240 V, 50 Hz, 50W
Luminous flux	4000 lm
Color temperature	4000 K
Cable	2 m, 3x1 mm ² H05VV-F

0713/15

LED FLOODLIGHT WITH MAGNETIC BASE

To fit on cars, offroads, campers, boats, agricultural machines and earthmoving machines, with 3A fuse and car plug lighter.



Box



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

0713/18

LED FLOODLIGHT WITH MAGNETIC BASE

To fit on cars, offroads, campers, boats, agricultural machines and earthmoving machines, with 3A fuse and car plug lighter.



Box



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

0713/27

LED FLOODLIGHT WITH MAGNETIC BASE

To fit on cars, offroads, campers, boats, agricultural machines and earthmoving machines, with 3A fuse and car plug lighter.



Box



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

0343

FLEXIBLE ARM LAMP



Box



IP20

Power	110 / 230 V 50 / 60 Hz
Bulb	Max 40 W, E27 not included
Range	800 mm
Clamp capacity	35 mm

0366

56 LED MAGNIFIER LAMP

With lense.



Box



IP20

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
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

0530A
NEW
LOW CONSUMPTION LAMP

With lens.



Box

Power	250V 50 Hz 11W
Magnification	3x
Lens	127 mm
Clamp capacity	75 mm
Luminous flux	1000 lm
Color temperature	6000 K

0891A
NEW
LOW CONSUMPTION LAMP

Led lamp with two lenses, dimmable touch buttons, 6 UV Led lights and a super bright and adjustable light point. Lifetime up to 25,000 hours.



Power	250V 50 Hz 11W
Magnification	2x + 6x
Lens	138 mm
Clamp capacity	75 mm
Luminous flux	1000 lm
Color temperature	6000 K

0516
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
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
TABLE LAMP

With lens.



Box

Power	230 V 50 Hz 11 W
Magnification	2x
Lens	Ø 89 mm



0625

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	2x AAA

L006

LED MAGNIFIER



Box

Lens	50 x 50 mm
Magnification	3x
LED	5 - 9000 mcd
LED	1
Battery	4x LR1130
Pack	10

0482/3

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

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

0659

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

0437

HIGH POWERFUL LED TORCH

Long range, distance capacity more than 150m, long life.



Box

Not included batteries	4x C
LED power	3 W
Autonomy	25 h / 100 %

0493/1

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

0209

10 + 1 LED MAGNETIC WORK LIGHT

With rotating head, Led on the top and front with 2 brightness levels.



Blister



Alu



IP20

Luminous flux	50 - 300 lm
Color temperature	6500 K
Not included batteries	3x AAA
Tilting head	180°
Revolution	180°
Dimensions	35 x 330 mm

0128A
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.



Sizes	174 x 43 x 22 mm
Luminous flux	140 lm
Not included batteries	3x AAA

0787
ALUMINUM TORCH


Not included batteries	2x C
LED number	8 LED 11000 mcd
Sizes	Ø 48,5 x 31 x 215 mm

0107
30 + 7 LED MAGNETIC LIGHT

With magnet and hook on the back side



Single LED life	100000 hours
Intensity	50 lm
Not included batteries	3x AA
Dimensions	40 x 35 x 203 mm

0291
24 + 3 LED MAGNETIC LIGHT

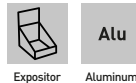
With magnet and hook on the back side.



Single LED life	100000 hours
Not included batteries	3x AAA

0671/1P
WHITE LED FLASHLIGHT WITH EXTRA BRIGHTNESS


Not included batteries	2x AAA
LED number	1 - 9000 mcd
Sizes	Ø 12,5 x 141 mm

0492
LED FLASHLIGHT WITH TELESCOPIC MAGNET


Button batteries	4 x LR44
LED number	6
Intensity	6 x 10 lm
Sizes	Ø 30 x 21 x 180 mm
Max length	710 mm
Autonomy	3 h

0311
24 LED MAGNETIC LIGHT

With magnet and hook on the back side.



Single LED life	100000 hours
Not included batteries	3x AA

0338
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.



Battery	1 li-ion 3.7V/ 1800 mAh
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

RECHARGEABLE LED LIGHT WITH MAGNET

With battery charger 12Vdc and 230Vac, foldable, hanging and magnetic.



Battery	3.7 V 1800 mAh
LED	8 SMD + 5 LED
Recharging time	8 ÷ 10 h
Autonomy	7 ÷ 8 h



0889

RECHARGEABLE LED LIGHT WITH MAGNET

With battery charger 12VDC and 230VAC, foldable, hanging and magnetic.



Battery	3,7 V - 1100 mAh - Lithium
LED	21 + 5 - 9000 mcd
Recharging time	4 ÷ 5 h
Autonomy	4 ÷ 6 h



0693A

RECHARGEABLE LED LAMP

With charging station, foldable, hanging and magnetic



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

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.



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

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.



Battery	3.7V - 1800mAh - 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



G900

CAMPING LANTERN



Dimensions	Ø 60 x 160 mm
Intensity	150 lm
Not included batteries	3 x AA



L008

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.



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



0445/20
RECHARGEABLE LED FLOODLIGHT

With switch, adapters to recharge batteries with car dc lighter and home ac 230V.



Box

Alu

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

0342
PORTABLE NEON LAMP WITH HOOK


Blister


IP20

Power	230 V 50 Hz 8 W
Dimensions	ø 31 x 435 mm
Cable	5 m

0900/BL
MAGNETIC LED LAMP WITH EXTENDABLE UNDERCABINET STAND

The under-hood lamp consists of two magnetic, 360-degree rotatable Cob Led light points for a maximum of 2800 lumens (1400lm + 1400lm) and an extendable bar up to 2100 mm to fit any type of hood.



Box

ABS
Alu

Aluminum

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 ÷ 2100 mm

0429
WORKING LAMP HOLDER WITH 5M POWER CORD

Without on/off switch, max 60 W for incandescent lamps, E27 screw cup bulb, voltage range 12 ÷ 230V; bulb not included.

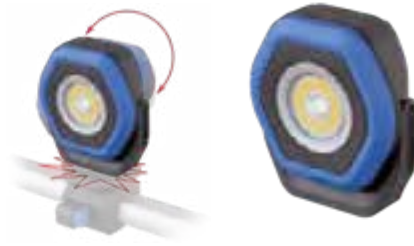


Hangable

Cable length	5 m
Screw cup bulb	E27
Voltage	230 V

0900
MULTI PORTABLE MAGNETIC LED LIGHT

COB Led portable lamp made in impact-resistant ABS. The ledlamp is 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
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

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****AUTO RE-ENTERING CABLE REEL**

Overload protection, Led light on the cable reel to show the presence of power.



Box

Cable length	10 m
Cable type	3 x 1,50 mm ² H05RR-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	10 m	3 x 1,5 mm ²	ø 200 mm
A010/20	20 m	3 x 1,5 mm ²	ø 250 mm

A010/30T**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**AUTOMATIC CABLE REEL WITH LAMP HOLDER**

Overload protection, max 60 W 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	15 m	3 x 1,5 mm ²	ø 190 mm
A010/25	25 m	3 x 1,5 mm ²	ø 240 mm
A010/50	50 m	3 x 1,5 mm ²	ø 310 mm

A010/30**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






**CALIPERS, HEIGHT GAUGE
AND RULERS**

- p. 554  Digital calipers
- p. 555  Calipers with dial gauge
- p. 555  Vernier calipers
- p. 559  Height gauge
- p. 559  Digital rules


**DIAL
INDICATORS**

- p. 560  Dial indicators
- p. 562  Dial thickness gauges
- p. 563  Edge finders






MICROMETERS

- p. 564  Outside micrometers
- p. 565  Inside micrometers





**GAUGE BLOCKS, SCREW GAUGE
AND HOLE PLAIN GAUGE**

- p. 566  Gauge blocks
- p. 567  Gauges







**MEASURING
TOOLS**

- p. 569  Magnetic base
- p. 572  Inspection plates
- p. 572  Squares
- p. 574  Screw pitch gauge


**PRECISION TAPES, LEVELS
AND GONIOMETERS**

- p. 577  Precision tapes
- p. 578  Levels
- p. 580  Protractors


**ANALOGIC AND
DIGITAL METERS**

- p. 581  Endoscopes
- p. 582  Testers
- p. 583  Digital meters
- p. 587  Refractometers
- p. 588  Hardness testers


**SCALES AND
DYNAMOMETERS**

- p. 590  Scales
- p. 591  Dinamometers

C031/150
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
Battery	1 x LR44


C035-
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.



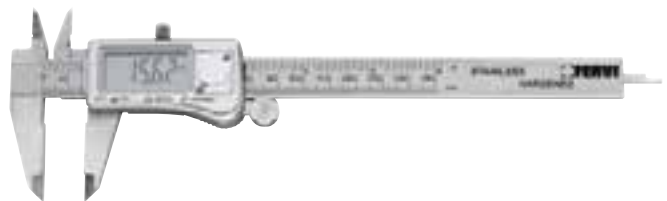
Art.	Range	Reading	Accuracy	Repeatability	Beam	Jaws	Back Jaws	Battery	Digit height
C035/150	0÷150 mm 0÷6"	0,01 mm 0,0005"	0,02 mm	0,01 mm	16 x 3 mm	40 mm	16,5 mm	1 x 3V CR2032	9 mm
C035/200	0÷200 mm 0÷8"	0,01 mm 0,0005"	0,03 mm	0,01 mm	16 x 3 mm	50 mm	19,5 mm	1 x 3V CR2032	9 mm
C035/300	0÷300 mm 0÷12"	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	Battery
C033/150	0÷150 mm 0÷6"	0,01 mm 0,0005"	16 x 3,2 mm	40 mm	1 x LR44
C033/200	0÷200 mm 0÷8"	0,01 mm 0,0005"	16 x 3,2 mm	50 mm	1 x LR44
C033/300	0÷300 mm 0÷12"	0,01 mm 0,0005"	16 x 3,2 mm	60 mm	1 x LR44


C041/150
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
Battery	1 x LR44





C043-

STAINLESS STEEL ELECTRONIC DIGITAL CALIPER

With 4 functions and big lcd, fine adjustment.



Art.	Range	Reading	Jaws	Beam	Battery
C043/500	0÷500 mm 0÷20"	0,01 mm 0,0005"	100 mm	25 x 6 mm	1 x LR44
C043/1000	0÷1000 mm 0÷40"	0,01 mm 0,0005"	150 mm	30 x 8 mm	1 x LR44

C005/150

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



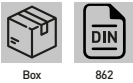
Art.	Range	Reading	Jaws	Beam
C006/150	0 ÷ 150 mm	0,02 mm	40 mm	16 x 3 mm
C006/200	0 ÷ 200 mm	0,02 mm	50 mm	16 x 3 mm
C006/300	0 ÷ 300 mm	0,02 mm	60 mm	20 x 4 mm

C018-

MONOBLOCK STAINLESS STEEL CHROMED VERNIER CALIPER



Art.	Range	Reading	Jaws	Beam
C018/150	0÷150 mm 0÷6"	1/20 0,05 mm 1/128"	40 mm	16 x 3 mm
C018/200	0÷200 mm 0÷8"	1/50 0,02 mm 1/1000"	50 mm	16 x 3 mm

C057/150
CHROMED VERNIER CALIPER


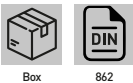
Range	0÷150 mm 0÷6"
Reading	1/20 0,05 mm 1/128"
Jaws	40 mm
Beam	16 x 3 mm


C011-
MONOBLOCK STAINLESS STEEL CHROMED VERNIER CALIPER

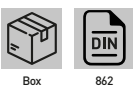
High precision, with wheel for slider locking, measuring range 0 - 200 mm.



Art.	Range	Reading	Jaws	Beam
C011/150	0÷150 mm 0÷6"	1/50 0,02 mm 1/1000"	40 mm	16 x 3 mm
C011/200	0÷200 mm 0÷8"	1/50 0,02 mm 1/1000"	50 mm	16 x 3 mm


C019/150
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
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

CHROMED VERNIER CALIPER

Fine adjustment.



Box 862

Range	0 ÷ 300 mm
Reading	1/50 - 0,02 mm
Jaws	60 mm
Beam	20 x 4 mm



C021-

MONOBLOCK STAINLESS STEEL CHROMED VERNIER CALIPER

Fine adjustment.



Box 862

Art.	Range	Reading	Jaws	Beam
C021/300	0÷300 mm 0÷12"	1/50 0,02 mm 1/1000"	100 mm	23 x 6 mm
C021/500	0÷500 mm 0÷20"	1/50 0,02 mm 1/1000"	150 mm	23 x 6 mm
C021/1000	0÷1000 mm 0÷40"	1/50 0,02 mm 1/1000"	150 mm	32 x 8 mm



C020-

CHROMED VERNIER CALIPER

Fine adjustment.



Box 862

Art.	Range	Reading	Jaws	Beam
C020/500	0 ÷ 500 mm	1/50 0,02 mm	100 mm	23 x 6 mm
C020/1000	0 ÷ 1000 mm	1/50 0,02 mm	150 mm	30 x 8 mm
C020/1500	0 ÷ 1500 mm	1/50 0,02 mm	225 mm	49 x 14 mm
C020/2000	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.



Box 862

Art.	Range	Reading	Base	Beam	Battery weight (Kg)	Battery
C044/200	0÷200 mm 0÷8"	0,01 mm 0,0005"	100 mm	13 x 3,5 mm	0,002	1 x LR44
C044/300	0÷300 mm 0÷12"	0,01 mm 0,0005"	150 mm	15 x 4 mm	0,002	1 x LR44





C007-

CHROMED VERNIER DEPTH GAUGE



Art.	Range	Reading	Base	Beam
C007/200	0 ÷ 200 mm	1/50 0,02 mm	100 mm	9,6 x 4,5 mm
C007/300	0 ÷ 300 mm	1/50 0,02 mm	100 mm	12 x 4 mm

C010/200

SCRATCH VERNIER CALIPER

C010/200P

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

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



Range	4-8 LUG 100 ÷ 210 mm
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**T092-****ELECTRONIC DIGITAL MULTI FUNCTION HEIGHTGAUGE**

With 4 functions and big display, with scriber.

UPGRADE

Box

Art.	Range	Reading	Accuracy	Net weight	Battery
T092/300	0÷300 mm 0÷12"	0,01 mm 0,0005"	0,03 mm 0,015"	4 kg	1x 3V CR2032
T092/600	0÷600 mm 0÷24"	0,01 mm 0,0005"	0,05 mm 0,025"	9 kg	1x 3V CR2032

T100-**VERNIER HEIGHTGAUGE CHROME PLATED**

With scriber.



Box

Art.	Range	Reading	Net weight
T100/300	0 ÷ 300 mm	0,02 mm	2 kg
T100/500	0 ÷ 500 mm	0,02 mm	5,5 kg

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.

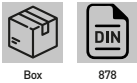


Box

Art.	Total length	Range	Reading	Battery
R060	630 mm - 24.8" inch	500 mm - 19.7"	0,01 mm 0.001"	2 x 3 V CR2032
R100	1000 mm - 40" inch	900 mm - 35"	0,01 mm 0.001"	2 x 3 V CR2032

C064
MULTIFUNCTIONAL ELECTRONIC DIGITAL INDICATOR LARGE DISPLAY

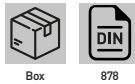
Functions: zero point at any position, mm/inch, conversion, hold, min/max functions, auto power off.



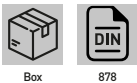
Box	878
Range	0÷12,7 mm 0÷0,5"
Reading	0,01 mm 0,0005"
Accuracy	0,02 mm 0,002"
Dial size	60 mm
Battery	1x SR44W


C060
MULTIFUNCTIONAL ELECTRONIC DIGITAL INDICATOR LARGE DISPLAY

Functions: zero point at any position, mm/inch conversion, hold, min, max functions, auto power off.



Box	878
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


C004
DIAL INDICATOR


Dial size	60 mm
Range	0 ÷ 1 mm
Reading	0,001 mm
Accuracy	0,002 mm


C017
SHOCKPROOF AND SPLASHPROOF DIAL INDICATOR

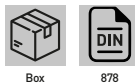
With movement on jewels, with back lug.



Dial size	55 mm
Range	10 mm
Reading	0,01 mm
Accuracy	0,015 mm


C002
DIAL INDICATOR


Dial size	60 mm
Range	10 mm
Reading	0,01 mm
Accuracy	0,015 mm


C023
DIAL INDICATOR


Dial size	60 mm
Range	10 mm
Reading	0,01 mm
Accuracy	0,015 mm


C023G
DIAL INDICATOR


Dial size	60 mm
Range	10 mm
Reading	0,01 mm
Accuracy	0,015 mm


C023/N
DIAL INDICATOR


Dial size	60 mm
Range	10 mm
Reading	0,01 mm
Accuracy	0,015 mm





C002/42

DIAL INDICATOR

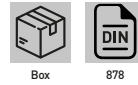


Dial size	42 mm
Range	5 mm
Reading	0,01 mm
Accuracy	0,015 mm

C048

DIAL INDICATOR

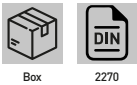
With back lug.



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	32 mm	0,8 mm	0,01 mm	0,015 mm	Ø 2 mm
T003G	32 mm	0,8 mm	0,01 mm	0,008 mm	Ø 2 mm

T007-

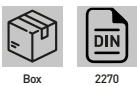
DIAL TEST INDICATOR



Art.	Dial size	Range	Reading	Accuracy	Contact point
T007	40 mm	0,8 mm	0,01 mm	0,011 mm	Ø 2 mm
T007G	40 mm	0,8 mm	0,01 mm	0,008 mm	Ø 2 mm

T006

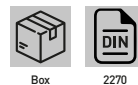
DIAL TEST INDICATOR WITH LONG CONTACT POINT



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

DIAL TEST INDICATOR



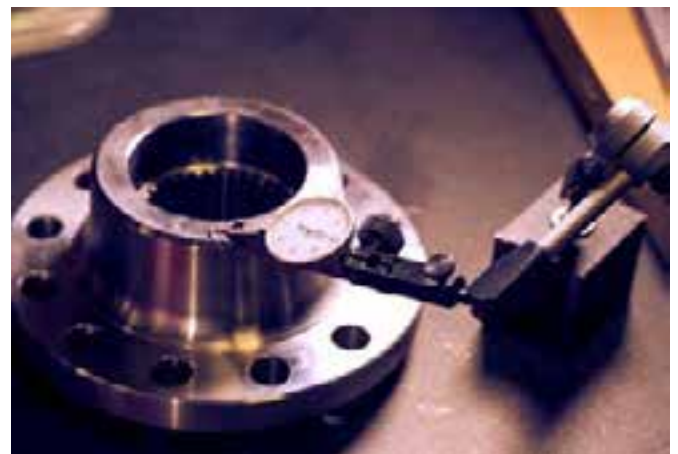
Dial size	32 mm
Range	0,2 mm
Reading	0,002 mm
Accuracy	0,005 mm
Contact point	Ø 2 mm

T011

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	6 ÷ 10 mm	0,01 mm	40 mm
A016/10/18	10 ÷ 18 mm	0,01 mm	100 mm
A016/18/35	18 ÷ 35 mm	0,01 mm	125 mm
A016/35/50	35 ÷ 50 mm	0,01 mm	150 mm
A016/50/160	50 ÷ 160 mm	0,01 mm	150 mm
A016/160/250	160 ÷ 250 mm	0,01 mm	400 mm
A016/250/450	250 ÷ 450 mm	0,01 mm	400 mm

A055/120
DIAL THICKNESS GAUGE


Box

Range	0 ÷ 10 mm
Reading	0,01 mm
Throat depth	120 mm

C016
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
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"
Battery	1 x LR44

M055
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	15 ÷ 35 mm	50 mm	Ø 3 x 3 mm	0,01 mm
C014/35/55	35 ÷ 55 mm	80 mm	Ø 3 x 6 mm	0,01 mm
C014/55/75	55 ÷ 75 mm	80 mm	Ø 3 x 6 mm	0,01 mm
C014/75/95	75 ÷ 95 mm	100 mm	Ø 3 x 8 mm	0,01 mm

A020
ZERO SETTING WITH DIAL INDICATOR WITH MAGNETIC BASE


Box

Zero setting height	50 mm
Reading	0,01 mm
Range	0 ÷ 8 mm



A021

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.



Box

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

C061

CO-AX INDICATOR

With positioning rod.



Box

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

C062

MECHANICAL EDGE FINDER



Box

Shank	Ø 10 mm
Anvil	Ø 4 - 10 mm

C063

ELECTRONIC EDGE FINDER



Box

Shank	Ø 20 mm
Contact point	Ø 10 mm
Total length	100 mm
Power	2 x SR44W

C063/L

ELECTRONIC EDGE FINDER

With led light and audible beep.



Box

Shank	Ø 20 mm
Contact point	Ø 10 mm
Total length	160 mm
Power	2 x LR1 1.5 V

M021-
ELECTRONIC DIGITAL MICROMETER

Friction thimble with carbide faces, functions: abs/inc, set, on/off and mm/inch.



Box

HM



863

Art.	Size	Reading	Accuracy
M021/00/25	0 ÷ 25 mm - 0 ÷ 1"	0,001 mm - 0,00005"	0,003 mm - 0,00015"
M021/25/50	25 ÷ 50 mm - 1" ÷ 2"	0,001 mm - 0,00005"	0,003 mm - 0,00015"
M021/50/75	50 ÷ 75 mm - 2" ÷ 3"	0,001 mm - 0,00005"	0,004 mm - 0,0002"
M021/75/100	75 ÷ 100 mm - 3" ÷ 4"	0,001 mm - 0,00005"	0,004 mm - 0,0002"

M026-
ELECTRONIC DIGITAL MICROMETER

Friction thimble with carbide faces.



Box

HM



863

Art.	Size	Reading	Accuracy
M026/0/25	0 ÷ 25 mm - 0 ÷ 1"	0,001 mm 0,0001"	0,0002 mm 0,00008"
M026/25/50	25 ÷ 50 mm - 1 ÷ 2"	0,001 mm 0,0001"	0,0002 mm 0,00008"
M026/50/75	50 ÷ 75 mm - 2 ÷ 3"	0,001 mm 0,0001"	0,0003 mm 0,00012"
M026/75/100	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.



Box

HM



863

Art.	Size	Reading	Accuracy
M022/00/25	0 ÷ 25 mm	0,01 mm	0,004 mm
M022/25/50	25 ÷ 50 mm	0,01 mm	0,004 mm
M022/50/75	50 ÷ 75 mm	0,01 mm	0,005 mm
M022/75/100	75 ÷ 100 mm	0,01 mm	0,005 mm

M033
OUTSIDE MICROMETER SET

With carbide faces and painted frame.



Carrying case

HM



863

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.



Box

HM



863

Art.	Size	Reading	Spindle
M033/00/25	0÷25 mm	0,01 mm	Ø 6,3 mm
M033/25/50	25÷50 mm	0,01 mm	Ø 6,3 mm
M033/50/75	50÷75 mm	0,01 mm	Ø 6,3 mm
M033/75/100	75÷100 mm	0,01 mm	Ø 6,3 mm

M033-x
CHROMED OUTSIDE MICROMETER

With carbide faces and painted frame.



Box

HM



863

Art.	Size	Reading	Spindle
M033/100/125	100÷125 mm	0,01 mm	Ø 6,3 mm
M033/125/150	125÷150 mm	0,01 mm	Ø 6,3 mm
M033/150/175	150÷175 mm	0,01 mm	Ø 6,3 mm
M033/175/200	175÷200 mm	0,01 mm	Ø 6,3 mm
M033/200/225	200÷225 mm	0,01 mm	Ø 6,3 mm
M033/225/250	225÷250 mm	0,01 mm	Ø 6,3 mm
M033/250/275	250÷275 mm	0,01 mm	Ø 6,3 mm
M033/275/300	275÷300 mm	0,01 mm	Ø 6,3 mm



M009-

CHROMED OUTSIDE MICROMETER

With carbide faces and painted frame.



863

Art.	Size	Reading	Spindle
M009/300/400	300 ÷ 400 mm	0,01 mm	∅ 6,5 mm
M009/400/500	400 ÷ 500 mm	0,01 mm	∅ 6,5 mm
M009/500/600	500 ÷ 600 mm	0,01 mm	∅ 6,5 mm
M009/600/700	600 ÷ 700 mm	0,01 mm	∅ 6,5 mm
M009/700/800	700 ÷ 800 mm	0,01 mm	∅ 6,5 mm
M009/800/900	800 ÷ 900 mm	0,01 mm	∅ 6,5 mm
M009/900/1000	900 ÷ 1000 mm	0,01 mm	∅ 6,5 mm
M009/1000/1200	1000 ÷ 1200 mm	0,01 mm	∅ 6,5 mm

M010-

DISC MICROMETER

Painted frame.



863

Art.	Size	Reading	Discs
M010/0/25	0 ÷ 25 mm	0,01 mm	∅ 20 mm
M010/25/50	25 ÷ 50 mm	0,01 mm	∅ 20 mm
M010/50/75	50 ÷ 75 mm	0,01 mm	∅ 20 mm
M010/75/100	75 ÷ 100 mm	0,01 mm	∅ 20 mm
M010/100/125	100 ÷ 125 mm	0,01 mm	∅ 27 mm
M010/125/150	125 ÷ 150 mm	0,01 mm	∅ 27 mm
M010/150/175	150 ÷ 175 mm	0,01 mm	∅ 27 mm
M010/175/200	175 ÷ 200 mm	0,01 mm	∅ 27 mm

M019-

BLIND HOLE THREE POINT INSIDE MICROMETER



Art.	Ring	Size	Reading	Accuracy
M019/06/08	1	6 ÷ 8 mm	0,001 mm	0,004 mm
M019/08/10	1	8 ÷ 10 mm	0,001 mm	0,004 mm
M019/10/12	1	10 ÷ 12 mm	0,001 mm	0,004 mm
M019/12/16	1	12 ÷ 16 mm	0,005 mm	0,004 mm
M019/16/20	1	16 ÷ 20 mm	0,005 mm	0,004 mm
M019/20/25	1	20 ÷ 25 mm	0,005 mm	0,004 mm
M019/25/30	1	25 ÷ 30 mm	0,005 mm	0,004 mm
M019/30/40	1	30 ÷ 40 mm	0,005 mm	0,004 mm
M019/40/50	1	40 ÷ 50 mm	0,005 mm	0,005 mm
M019/50/63	1	50 ÷ 63 mm	0,005 mm	0,005 mm
M019/62/75	1	62 ÷ 75 mm	0,005 mm	0,005 mm
M019/75/88	1	75 ÷ 88 mm	0,005 mm	0,005 mm
M019/87/100	1	87 ÷ 100 mm	0,005 mm	0,005 mm
M019/100/125	0	100 ÷ 125 mm	0,005 mm	0,005 mm
M019/125/150	0	125 ÷ 150 mm	0,005 mm	0,005 mm

M019-x

BLIND HOLE THREE POINT INSIDE MICROMETER SET



Art.	Micrometers	Rings	Size	Reading	Accuracy
M019/06/12	3	3	6 ÷ 12 mm	0,001 mm	0,004 mm
M019/12/20	2	1	12 ÷ 20 mm	0,005 mm	0,004 mm
M019/20/40	3	2	20 ÷ 40 mm	0,005 mm	0,004 mm
M019/40/100	5	3	40 ÷ 100 mm	0,005 mm	0,005 mm

M013/0/100

DEPTH MICROMETER



Range	0÷25 mm, 25÷50 mm, 50÷75 mm, 75÷100 mm
Reading	0,01 mm
Base	100 x 17 mm


B0x
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	1	8	25 - 50 - 75 - 100 - 250 - 300 - 400 - 500	-	1
B011/0	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	3 mm	1
C025/04	4 mm	1
C025/05	5 mm	1
C025/06	6 mm	1
C025/07	7 mm	1
C025/08	8 mm	1
C025/09	9 mm	1
C025/10	10 mm	1
C025/11	11 mm	1
C025/12	12 mm	1
C025/13	13 mm	1
C025/14	14 mm	1
C025/15	15 mm	1
C025/16	16 mm	1
C025/17	17 mm	1
C025/18	18 mm	1
C025/19	19 mm	1
C025/20	20 mm	1
C025/21	21 mm	1
C025/22	22 mm	1
C025/23	23 mm	1
C025/24	24 mm	1
C025/25	25 mm	1
C025/26	26 mm	1
C025/27	27 mm	1
C025/28	28 mm	1
C025/29	29 mm	1
C025/30	30 mm	1
C025/32	32 mm	1
C025/33	33 mm	1
C025/34	34 mm	1
C025/35	35 mm	1
C025/36	36 mm	1
C025/37	37 mm	1
C025/38	38 mm	1
C025/40	40 mm	1
C025/42	42 mm	1
C025/44	44 mm	1
C025/45	45 mm	1
C025/46	46 mm	1
C025/47	47 mm	1
C025/48	48 mm	1
C025/50	50 mm	1
C025/51	51 mm	1
C025/52	52 mm	1
C025/55	55 mm	2
C025/56	56 mm	2
C025/57	57 mm	2
C025/58	58 mm	2
C025/59	59 mm	2
C025/60	60 mm	2
C025/62	62 mm	2
C025/63	63 mm	2
C025/65	65 mm	2
C025/66	66 mm	2
C025/67	67 mm	2
C025/68	68 mm	2
C025/69	69 mm	2
C025/70	70 mm	2
C025/71	71 mm	2
C025/72	72 mm	2
C025/74	74 mm	2
C025/75	75 mm	2
C025/76	76 mm	2
C025/78	78 mm	2
C025/80	80 mm	2

C025-3x**H7 HOLE PLAIN GAUGE SET "GO" & "NO GO"****UPGRADE**

Carrying case

Art.	Pieces	Pitch	Ø
C025/3/30	28	1 mm	3 ÷ 30 mm
C025/32/62	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	8 mm
A015/010	10 mm
A015/011	11 mm
A015/017	17 mm
A015/025	25 mm
A015/035	35 mm
A015/040	40 mm
A015/062	62 mm
A015/087	87 mm
A015/100	100 mm
A015/125	125 mm
A015/150	150 mm


T048x
THREAD PLUG GAUGE "GO" & "NO GO"

Cylindric bsp.



Art.	Dimensions
T0481/8	1/8" - 28 TPI
T0481/4	1/4" - 19 TPI
T0483/8	3/8" - 19 TPI
T0481/2	1/2" - 14 TPI
T0485/8	5/8" - 14 TPI
T0483/4	3/4" - 14 TPI
T0487/8	7/8" - 14 TPI
T0481	1" - 11 TPI

T049x
6H "GO" & "NO GO" ISOMETRIC THREAD PLUG GAUGE


Art.	Dimensions
T0493X0.5	3 x 0,5 mm
T0494X0.7	4 x 0,7 mm
T0495X0.8	5 x 0,8 mm
T0496X1	6 x 1 mm
T0498X1	8 x 1 mm
T0498X1.25	8 x 1,25 mm
T04910X1	10 x 1 mm
T04910X1.25	10 x 1,25 mm
T04910X1.5	10 x 1,5 mm
T04912X1.25	12 x 1,25 mm
T04912X1.5	12 x 1,5 mm
T04912X1.75	12 x 1,75 mm
T04914X1.5	14 x 1,5 mm
T04914X2	14 x 2 mm
T04916X1.5	16 x 1,5 mm
T04916X2	16 x 2 mm
T04918X1.5	18 x 1,5 mm
T04918X2.5	18 x 2,5 mm
T04920X1.5	20 x 1,5 mm
T04920X2.5	20 x 2,5 mm
T04922X1.5	22 x 1,5 mm
T04922X2.5	22 x 2,5 mm
T04924X1.5	24 x 1,5 mm
T04924X2	24 x 2 mm
T04924X3	24 x 3 mm

A018x
"GO" SCREW GAUGE

Cylindric bsp.



Art.	Dimensions
A0181/8	1/8" - 28 TPI
A0181/4	1/4" - 19 TPI
A0183/8	3/8" - 19 TPI
A0181/2	1/2" - 14 TPI
A0185/8	5/8" - 14 TPI
A0183/4	3/4" - 14 TPI
A0187/8	7/8" - 14 TPI
A0181	1" - 11 TPI

A017x
6G "GO" ISOMETRIC SCREW GAUGE


Art.	Dimensions
A0173X0.5	3 x 0,5 mm
A0174X0.7	4 x 0,7 mm
A0175X0.8	5 x 0,8 mm
A0176X1	6 x 1 mm
A0178X1	8 x 1 mm
A0178X1.25	8 x 1,25 mm
A01710X1	10 x 1 mm
A01710X1.25	10 x 1,25 mm
A01710X1.5	10 x 1,5 mm
A01712X1.25	12 x 1,25 mm
A01712X1.5	12 x 1,5 mm
A01712X1.75	12 x 1,75 mm
A01714X2	14 x 2 mm
A01716X1.5	16 x 1,5 mm
A01716X2	16 x 2 mm
A01718X1.5	18 x 1,5 mm
A01718X2.5	18 x 2,5 mm
A01720X1.5	20 x 1,5 mm
A01720X2.5	20 x 2,5 mm
A01722X1.5	22 x 1,5 mm
A01722X2.5	22 x 2,5 mm
A01724X1.5	24 x 1,5 mm
A01724X2	24 x 2 mm
A01724X3	24 x 3 mm

S091
STEEL PLUG GAUGE SET


Carrying case

Pieces	91
Size	1÷10 mm
Increment	0,1 mm
Length	50 mm
Hardness	HRC-60-62
Accuracy	±0,002 mm





T009

DIAL INDICATOR HOLDER



Carrying case

Shank	Ø 8 mm
Female junction	Ø 4 mm

B201/1

MAGNETIC BASE

N35 magnetic material, abs switch and prismatic base.



Carrying case

Base dimensions	36 x 30 x 35 mm
Hole	M5 x 0,8
Magnetic force	300 N



B201/2

MAGNETIC BASE

N35 magnetic material, abs switch and prismatic base.



Carrying case

Base dimensions	60 x 50 x 55 mm
Hole	M8 x 1,25
Magnetic force	800 N



B201/3

MAGNETIC BASE

N35 magnetic material, abs switch and prismatic base.



Carrying case

Base dimensions	73 x 50 x 55 mm
Hole	M8 x 1,25
Magnetic force	1000 N



B201/4

MAGNETIC BASE

N35 magnetic material, abs switch and prismatic base.



Carrying case

Base dimensions	117 x 50 x 55 mm
Hole	M8 x 1,25
Magnetic force	1300 N



B100

MAGNETIC STAND

Abs switch and prismatic base.



Carrying case

Dimensions	63 x 50 x 55h mm
Hole	M 8 x 1,25
Magnetic force	600 N



S052/2

MAGNETIC STAND

With micrometric adjustment, sturdy column and adjustable arm. Magnetic base with prismatic support and switch.



Carrying case

Main stem	Ø 12 x 176 mm
Assistant stem	Ø 10 x 150 mm
Magnetic force	800 N
Base dimensions	60 x 50 x 55 mm



S052/3

MAGNETIC STAND

With micrometric adjustment, sturdy column and adjustable arm. Magnetic base with prismatic support and switch.



Carrying case

Main stem	Ø 16 x 225 mm
Assistant stem	Ø 14 x 165 mm
Magnetic force	1000 N
Base dimensions	73 x 50 x 55 mm



S052/4
MAGNETIC STAND

With micrometric adjustment, sturdy column and adjustable arm. Magnetic base with prismatic support and switch.



Box

Main stem	∅ 20 x 355 mm
Assistant stem	∅ 14 x 210 mm
Magnetic force	1300 N
Base dimensions	117 x 50 x 55 mm


S049
MAGNETIC STAND

With microadjustment.



Box

Main stem	∅ 12 x 170 mm
Assistant stem	∅ 10 x 150 mm
Magnetic force	600 N
Base dimensions	63 x 50 x 55h mm


S047
MAGNETIC STAND

With microadjustment.



Box

Main stem	∅ 16 x 220 mm
Assistant stem	∅ 12 x 180 mm
Magnetic force	800 N
Base dimensions	65 x 50 x 55h mm


S054
MAGNETIC STAND

With microadjustment.



Box

Main stem	∅ 12 x 170 mm
Assistant stem	∅ 10 x 165 mm
Magnetic force	600 N
Base dimensions	63 x 50 x 55h mm


S055
MAGNETIC STAND

With microadjustment.



Box

Main stem	∅ 16 x 210 mm
Assistant stem	∅ 12 x 175 mm
Magnetic force	800 N
Base dimensions	75 x 50 x 55h mm


S042/1
UNIVERSAL MECHANICAL ARM STAND

With 3d central lock.



Box

Base dimensions	36 x 30 x 35 mm
Magnetic force	300 N
Arm length	145 mm


S042/2
UNIVERSAL MECHANICAL ARM STAND

With micrometric adjustment and 3d central lock.



Box

Base dimensions	60 x 50 x 55 mm
Magnetic force	800 N
Arm length	290 mm


S042/3
UNIVERSAL MECHANICAL ARM STAND

With micrometric adjustment and 3d central lock.



Box

Base dimensions	75 x 50 x 55 mm
Magnetic force	1000 N
Arm length	365 mm





S045

UNIVERSAL MECHANICAL ARM STAND



Box

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

HYDRAULIC UNIVERSAL MAGNETIC STAND



Box

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

DIAL GAUGE STAND

With grooved steel plate and aluminium base.



Box

Dial stand	Ø 8 mm
Plate Dimensions	80 x 80 mm
Base dimensions	150 x 100 mm
Column	Ø 25 x 180 mm

B010

DIAL GAUGE STAND

With granite base.



Box

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-

ECCENTRICITY 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	300 mm	145 / 175 mm	2	730 x 310 x 370h mm	2	65 kg
A019/500	500 mm	135 / 170 mm	2	924 x 330 x 482h mm	2	70 kg
A019/1000	1000 mm	135 / 170 mm	2	1400 x 330 x 430h mm	2	100 kg

S051

MICROMETER STAND

With plastic covered jaws.



Box



Cast Iron

P04x

GRANITE INSPECTION PLATE

Grade 0



Wooden Box

Art.	Dimensions	Net weight
P040	310 x 230 x 80 mm	20 kg
P042	630 x 400 x 100 mm	80 kg
P043	1000 x 630 x 150 mm	280 kg
P047	1200 x 800 x 160 mm	497 kg
P044	1600 x 1000 x 200 mm	1059 kg



S06x

GRANITE SQUARE

Grade 0



Wooden Box



876

Art.	Dimensions	Accuracy
S061	250 x 40 x 400h mm	± 6 µm
S062	400 x 100 x 635h mm	± 9 µm

S050-

90° SQUARE

Suitable for checking squareness and flatness in the precision mechanical industry. With back



Steel



875/1

Art.	Dimensions	Stem
S050/150	150 x 100 mm	25,5 x 4,8 mm
S050/200	200 x 130 mm	30.3 x 6 mm
S050/250	250 x 165 mm	35 x 7 mm
S050/300	300 x 200 mm	36 x 9 mm
S050/400	400 x 265 mm	39 x 9 mm
S050/500	500 x 330 mm	50 x 9 mm

S051-

90° SQUARE

Suitable for checking squareness and flatness in the mechanical industry. With back



Steel

Art.	Dimensions	Stem
S051/100	100 x 70 mm	20 x 5,5 mm ²
S051/150	150 x 100 mm	20 x 5,5 mm ²
S051/200	200 x 130 mm	20 x 5,5 mm ²
S051/250	250 x 160 mm	25 x 5,5 mm ²
S051/300	300 x 175 mm	25 x 5,5 mm ²
S051/400	400 x 200 mm	29,5 x 5,5 mm ²
S051/500	500 x 250 mm	29,5 x 5,5 mm ²
S051/600	600 x 330 mm	29,5 x 5,5 mm ²
S051/750	750 x 375 mm	29,5 x 5,5 mm ²
S051/1000	1000 x 500 mm	29,5 x 5,5 mm ²

S059-

90° SQUARE

Suitable for checking squareness and flatness in the mechanical industry. Without back



Steel

Art.	Dimensions	Stem
S059/100	100 x 70 mm	20 x 5,5 mm ²
S059/150	150 x 100 mm	20 x 5,5 mm ²
S059/200	200 x 130 mm	20 x 5,5 mm ²
S059/250	250 x 160 mm	25 x 5,5 mm ²
S059/300	300 x 175 mm	25 x 5,5 mm ²
S059/400	400 x 200 mm	29,5 x 5,5 mm ²
S059/500	500 x 250 mm	29,5 x 5,5 mm ²
S059/600	600 x 330 mm	29,5 x 5,5 mm ²
S059/750	750 x 375 mm	29,5 x 5,5 mm ²
S059/1000	1000 x 500 mm	29,5 x 5,5 mm ²



S048-

STAINLESS STEEL 90° KNIFE EDGE SQUARE



875/00

Art.	Dimensions	Stem
S048/100	100 x 70 mm	20 x 5 mm ²
S048/150	150 x 100 mm	25 x 5 mm ²

0286-

YELLOW PAINTED JOINER SQUARE



Art.	Dimensions
0286/250	250 x 130 x 0,8 mm
0286/300	300 x 130 x 0,8 mm
0286/350	350 x 155 x 0,8 mm

S056-

90° MAGNETIC SQUARE



Box

Art.	Dimensions	Max. magnetic force
S056/150	150 x 150 x 50 mm	500 N
S056/200	200 x 200 x 50 mm	1000 N

S058

TITLTABLE MAGNETIC SQUARE



Box

Dimensions	115 x 115 x 35 mm
Degrees	45° ± 90°
Max. magnetic force	250 N

S057/125

WELDING HOLDER



Blister

Dimensions	135 x 135 x 25 mm
Magnetic force	340 N
Hold working angle	45 - 90 - 135°

S057/060S

MINI WELDING HOLDER



4 Pcs



Blister

Dimensions	50 x 60 x 12,5 mm
Magnetic force	45 N
Hold working angle	45 - 90 - 135°

0212

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	T2	0,05 - 1,00 mm 0,002 - 0,040"	100 mm
FG02/AI	20	T2	0,05 - 1,00 mm 0,002 - 0,040"	100 mm

HT125

HOLDER FOR FEELER GAUGE BLADES



Blister

Dimensions	125 x 17 mm
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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	13	T2	0,05 - 1,00 mm 0,002 - 0,040"	100 mm
FG02	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



Blister



Steel

Art.	Thickness	Length
TG001/AE	0.01 mm 0.0004"	5 m
TG002/AE	0.02 mm 0.0008"	5 m
TG003/AE	0.03 mm 0.0012"	5 m
TG004/AE	0.04 mm 0.0016"	5 m
TG005/AE	0.05 mm 0.0020"	5 m
TG006/AE	0.06 mm 0.0024"	5 m
TG007/AE	0.07 mm 0.0028"	5 m
TG008/AE	0.08 mm 0.0030"	5 m
TG009/AE	0.09 mm 0.0035"	5 m
TG010/AE	0.10 mm 0.0040"	5 m
TG012/AE	0.12 mm 0.005"	5 m
TG015/AE	0.15 mm 0.006"	5 m
TG018/AE	0.18 mm 0.007"	5 m
TG020/AE	0.20 mm 0.008"	5 m
TG025/AE	0.25 mm 0.010"	5 m
TG030/AE	0.30 mm 0.012"	5 m
TG035/AE	0.35 mm 0.014"	5 m
TG040/AE	0.40 mm 0.016"	5 m
TG045/AE	0.45 mm 0.018"	5 m
TG050/AE	0.50 mm 0.020"	5 m
TG055/AE	0.55 mm 0.022"	5 m
TG060/AE	0.60 mm 0.024"	5 m
TG065/AE	0.65 mm 0.026"	5 m
TG070/AE	0.70 mm 0.028"	5 m
TG075/AE	0.75 mm 0.030"	5 m
TG080/AE	0.80 mm 0.032"	5 m
TG085/AE	0.85 mm 0.034"	5 m
TG090/AE	0.90 mm 0.036"	5 m
TG095/AE	0.95 mm 0.038"	5 m
TG100/AE	1.00 mm 0.040"	5 m
TG110/AE	1.10 mm	1 m
TG120/AE	1.20 mm	1 m
TG130/AE	1.30 mm	1 m
TG140/AE	1.40 mm	1 m
TG150/AE	1.50 mm	1 m
TG160/AE	1.60 mm	1 m
TG170/AE	1.70 mm	1 m
TG180/AE	1.80 mm	1 m
TG190/AE	1.90 mm	1 m
TG200/AE	2.00 mm	1 m



C058

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°

C029-

INSIDE CALIPER

For interiors



Art.	Length
C029/150	150 mm
C029/200	200 mm
C029/250	250 mm
C029/300	300 mm

C027-

PRECISION DIVIDER

With setting wings and square legs



Art.	Length
C027/150	150 mm
C027/200	200 mm
C027/250	250 mm
C027/300	300 mm

C026-

PRECISION DIVIDER

With square legs



Art.	Length
C026/150	150 mm
C026/200	200 mm
C026/250	250 mm
C026/300	300 mm

C028-

OUTSIDE CALIPER

For external thicknesses



Art.	Length
C028/150	150 mm
C028/200	200 mm
C028/250	250 mm
C028/300	300 mm



P007-

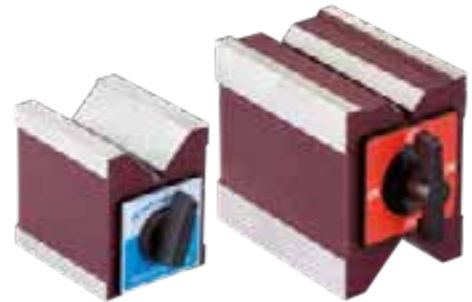
MAGNETIC VEE BLOCK

Single or couple



Box

Art.	Dimensions	Width	Max. magnetic force	Pieces
P007/1	70 x 60 x 72 mm	38 mm	400 N	1
P007/2	100 x 70 x 95 mm	50 / 16 mm	300 N	1
P007/1C	71 x 60 x 73 mm	38 mm	400 N	2
P007/2C	100 x 70 x 95 mm	50 / 16 mm	300 N	2



P30x

90° BLOCK AND CLAMP

Single and couple.



Box



Steel



Tempered

Art.	Dimensions	Max clamp	Accuracy	Pieces
P301/2	63,5 x 63,5 x 50 mm	ø 35 mm	±0,01 mm	1
P302/2	100 x 75 x 75 mm	ø 65 mm	±0,01 mm	1
P303/2	150 x 125 x 100 mm	ø 110 mm	±0,01 mm	1
P301/2C	63,5 x 63,5 x 50,8 mm	ø 35 mm	±0,01 mm	2
P302/2C	100 x 75 x 75 mm	ø 65 mm	±0,01 mm	2
P303/2C	150 x 125 x 100 mm	ø 110 mm	±0,01 mm	2



P20x

PARALLEL VEE BLOCKS



Box

C45

Art.	Dimensions	Accuracy
P200/1	75 x 75 x 60 mm	1/100 mm
P201/1	100 x 80 x 60 mm	1/100 mm

P011-

ANGLE BLOCK



Box

Art.	Dimensions
P011/075	75 x 32 x 25 mm
P011/100	102 x 48 x 46 mm



F813

NEW

PRECISION TAPE



Expositor

Belt dimensions	3m x 12 mm
Accuracy class	II

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	2 m x 16 mm	II
F2G3	3 m x 16 mm	II
F2G5	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	3 m x 19 mm	II
F685	5 m x 25 mm	II
F688	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 m x 16 mm	II
F803	3 m x 16 mm	II
F805	5 m x 19 mm	II
F808	8 m x 25 mm	II

F32x

MAGNETIC PRECISION TAPE

With automatic brake and magnet.



Expositor

Art.	Belt dimensions	Accuracy class
F322	2 m x 16 mm	II
F323	3 m x 19 mm	II
F325	5 m x 25 mm	II
F328	8 m x 25 mm	II

R0x
LONG TAPE

Made of steel.



Box

Art.	Belt dimensions
R030	30 m x 13 mm
R050	50 m x 13 mm

0449
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	< 1 mW
Accuracy	0,05°
Battery	2 x 1,5V AAA

0109
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°: ±0,2°
Battery	2 x AAA 1,5V

0646/A
AUTOLEVELLING LASER LEVEL


Box

Leveling accuracy	0,5 mm / m
Horizontal and vertical line accuracy	± 0,5 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
DIGITAL LEVEL WITH LASER

Measuring unit in degrees or percentage of inclination. Batteries not included.



Box

Length	600 mm
Auto power off	5 min
Measuring range	0 ~ 360°
Wave length	650 nm
Reading	0,1°
Laser power	< 1 mW
Accuracy	± 0,05°
Pointing accuracy	± 1 mm / m
Battery	2 x 1,5V AAA

0112
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°: ±0,05°; 0,1° - 89,9°: ±0,2°
Battery	2 x AAA 1,5 V

L090A

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

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	300 x 49 x 23 mm
0824/400	400 x 49 x 23 mm
0824/500	500 x 49 x 23 mm
0824/600	600 x 49 x 23 mm

L080

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

MAGNETIC LEVEL

Heavy duty with 3 vials.



Dimensions	400 x 50 x 20 mm
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L200

LINEAR LEVEL

Master precision, with v-slot s ground.



Dimensions	200 x 45 x 40 mm
Accuracy	0,02 mm / m

L150

SQUARE LEVEL

Master precision, with 2 plane sides and 2 prismatic sides.

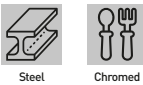


Dimensions	150 x 38 x 150 mm
Accuracy	0,02 mm / m

G006-

PROTRACTOR

With locking screw, laser engraved scale.



Art.	Arch	Beam	Range
G006/120	Ø 80 mm	120 mm	0 ÷ 180°
G006/150	Ø 120 mm	150 mm	0 ÷ 180°
G006/200	Ø 150 mm	200 mm	0 ÷ 180°
G006/300	Ø 200 mm	300 mm	0 ÷ 180°
G006/500	Ø 300 mm	500 mm	0 ÷ 180°
G006/600	Ø 300 mm	600 mm	0 ÷ 180°

G008

DIGITAL ANGLE FINDER AND LEVEL WITH 2 VIALS

Automatic calculation of angles and inclinations.



Blister

Length	400 mm
Range	0 ÷ 225°
Reading	0,1°
Accuracy	± 0,5°
Battery	1x 9V

G005

UNIVERSAL BEVEL PROTRACTOR



Reading	5'
Range	0° ÷ 360°
Beam	300 mm



E022/12
FLEXIBLE ENDSCOPE FOR MECHANICAL USE

With probe \varnothing 12 mm 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.



Carrying case

Length without handle	900 mm
Probe	\varnothing 12 mm
View	0° - 60°
Battery	1 x 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


M072
MAGNIFIER FOR MEASURING


Box

Magnification	10x
Field of view	24 mm
Range	0 \pm 20 mm
Reading	0,1 mm

E022/5
FLEXIBLE PROBE


Dimensions	\varnothing 5,5 mm
Length	1070 mm

E022/P
FLEXIBLE EXTENSION


Dimensions	\varnothing 18 mm
Length	2750 mm

M069
STEREO MICROSCOPE


Box

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 \pm 40x

M071
STEREO MICROSCOPE


Box

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 \pm 40x

P080

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
Dimensions	250 x 71 x 38.8 mm

P075

DIGITAL CLAMP METER

With LCD display. 9 operating modes: AC current, AC voltage, DC voltage, resistance, continuity, frequency, diode control, temperature measurement. High reliability.



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 %
Temperature	-40°C - 400°C ±1,5 %
Battery	1 x 9V

0029

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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0013/142

CIRCUIT TESTER SCREWDRIVER

With handle in insulating material, neon light and steel blade.



Range	100 ÷ 500 V
Length	142 mm

0013/185

CIRCUIT TESTER SCREWDRIVER

With handle in insulating material, neon light and steel blade.



Range	100 ÷ 500 V
Length	190 mm

T051

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	1 x A23

T050
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	1x 9V


T053
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	2000 - 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	1x 9V
Temperature	-20 °C ÷ 1000 °C
Frequency	10 mHz
hFE transistor test	0 - 1000


ML80A
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 x AAA

ML40
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 x AAA

T068
LASER POINTER INFRARED TEMPERATURE METER

Not suitable for body temperature measurement.



Box

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	1x 9V
Dimensions	146 x 80 x 38 mm
Distance/Spot size	1 : 12

T064
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	1x 9V
Distance/Spot size	1 : 10
Sampling time	0.5 s
Emissivity pre-set	0.95

T057
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
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
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	1x 9V

T063
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	1x 9V

T055
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 V AA

F010
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

T056/TP01
ENVIRONMENTAL THERMOCOUPLE "K" TYPE


Range	-50°C ÷ 250°C
Thermocouple type	"K"
Thermocouple length	2 mm

T056/TP02
ENVIRONMENTAL OR IMMERSION THERMOCOUPLE "K" TYPE


Range	-50°C ÷ 750°C
Thermocouple type	"K"
Total length	135 mm

T056/TP03
THERMOCOUPLE "K" TYPE

Environmental or immersion.



Range	-50 °C ÷ 1100 °C
Thermocouple type	"K"
Thermocouple length	650 mm

A005
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	1x 9V not included

L014
DIGITAL LUXMETER


Carrying case

Range	0 LUX ÷ 2000 LUX ÷ 20000 LUX ÷ 50000 LUX
Reading	1 LUX
Accuracy	± 5 %
Battery	1x 9V

MD01
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	1x 9V

C069
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

O387A
DIGITAL MULTI-FUNCTION DETECTOR

For measuring ferrous and non-ferrous metals, wood and live cables in walls, ceilings and floors.



Box

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	1x 9V
Dimensions	150 x 75 x 24 mm

C070
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
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
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	2x 1.5V AA

V002
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
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

S004
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
BRIX REFRACTOMETER


Carrying case

Range	0 ÷ 80 % Brix
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0433
REFRACTOMETER

Brix, useful to check coolant oils.



Carrying case

Range	0 ÷ 32% Brix
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0312
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
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 %

D001
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


D018
HARDNESS TESTING MACHINE

Motorized, rockwell, brinell and vickers.



Wooden Box

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 / 187,5 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° 2 Brinell; n° 2 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



D007/A
SHORE "A" DUROMETER

Rubber and soft material hardness tester.



Range	0 ÷ 100 A
Reading	2 A

D011/A
SHORE "A" DIGITAL DUROMETER

Rubber and soft material hardness tester.



Range	0 ÷ 100 A
Reading	0.5 A
Battery	1 x 3 V CR2032

D011/D
SHORE "D" DIGITAL DUROMETER

Hard rubber and plastic material hardness tester.



Range	0 ÷ 100 D
Reading	0.5 D
Battery	1 x 3 V CR2032

P013
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.



7 Pcs

S110
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
ANVIL FOR CONCRETE TEST HAMMER SETTING


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
Battery	1 x 3 V CR2032

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

B004- RECHARGEABLE ELECTRONIC DIGITAL COUNTER SCALES

Not legal for trade with 6V 4A and transformer.



Box

Art.	Capacity	Reading	Scale dimensions	Platform dimensions	Rechargeable battery
B004/7	7,5 kg	0,2 g	350 x 340 x 105 mm	335 x 228 mm	1 x 6 V 4 Ah
B004/30	30 kg	1 g	350 x 340 x 105 mm	335 x 228 mm	1 x 6 V 4 Ah

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
Battery	2 x 1,5V AAA

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	1 x 4 V 4 Ah

0561/B € 35,10
SPARE PART BATTERY

For every B004 scale.



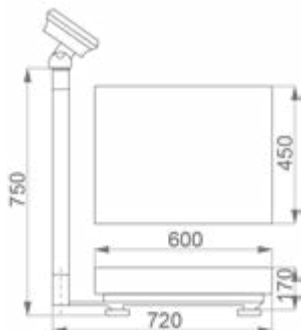


B004/150

€ 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	1 x 6 V 4 Ah
Net weight	17 kg

0561/B € 35,10

SPARE PART BATTERY

For every B004 scale.



D010-

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	40 x 20 mm	1000 kg	0.500 kg	0.500 kg	150%	1 x 6 V 4 Ah	7,1 kg
D010/0300	40 x 20 mm	3000 kg	1 kg	1 kg	150%	1 x 6 V 4 Ah	7,5 kg
D010/0500	40 x 20 mm	5000 kg	2 kg	2 kg	150%	1 x 6 V 4 Ah	12,3 kg
D010/1000	40 x 20 mm	10000 kg	5 kg	5 kg	150%	1 x 6 V 4 Ah	25,7 kg

D012-

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	40 x 20 mm	1001 kg	0,200 kg	0,200 kg	150%	1 x 6 V 10 Ah	12 kg
D012/0300	40 x 20 mm	3001 kg	0,500 kg	0,500 kg	150%	1 x 6 V 10 Ah	14,5 kg
D012/0500	40 x 20 mm	5001 kg	1 kg	1 kg	150%	1 x 6 V 10 Ah	19 kg
D012/1000	40 x 20 mm	10001 kg	2 kg	2 kg	150%	1 x 6 V 10 Ah	32 kg

ART	PAG	ART	PAG	ART	PAG
0010	380	0046	524	0092	474
0011	061	0047	524	0093/22	473
0012	060	0048	529	0093/42	474
0013/142	582	0049	526	0094	372
0013/185	582	0050	525	0095	468
0018/15	408	0051	525	0096	467
0018/30	408	0052	522	0096/L	469
0019-	413	0054/10	368	0101/500	475
0020	453	0054/4	368	0102	082
0020/1	453	0056-	383	0103	483
0020/2	453	0059	526	0104	448
0020/3	453	0060	371	0105	501
0020/4	453	0062-	379	0105T	500
0020/5	453	0063	372	0106	073
0020/6	453	0064	389	0107	548
0021/1	372	0065A	370	0109	578
0021/2	372	0066	387	0110	501
0022	079	0067	371	0110T	500
0023	072	0068/S	388	0112	578
0024	533	0068L	388	0113	083
0026	533	0069-	371	0115	525
0027/30W	532	0070	387	0116	478
0027/40W	532	0070/C	387	0116P	478
0027/40W/TIP	532	0071	534	0118	456
0028	388	0073	397	0119	456
0028R	388	0075	380	0119/5	456
0028-xL	388	0076	408	0119/7	456
0029	582	0077	408	0120	456
0031	532	007x	407	0121	456
0033A	532	0080	409	0122	455
0033A/TIP	532	0081	473	0123	549
0034	534	0082	444	0125	527
0035	468	0083	443	0126	461
0036-	342	0084-	400	0127	461
0036-xG	342	0085	481	0128A	548
0037	532	0087	226	0130-	457
0037/TIP	532	0087/35	226	0132	067
0038	355	0088	435	0133	067
0042-	343	0089	445	0134-	399
0043	483	0090	403	0134S	399
0044	522	0090-	403	0135-	342
0045	522	0091	481	0136	455

ART	PAG	ART	PAG	ART	PAG
0137	410	0183/750	535	0218-xB	544
0138	099	0184-	482	0218-xS	544
0140-	342	0186	056	0219	464
0141	473	0187	399	0220	405
0142-	106	0188-	107	0220/C	405
0143/25	390	0188-xG	107	0221	397
0143A	390	0189-	540	0222	397
0144	099	0189/G	540	0222-	397
0145-	342	0190	405	0223	397
0146/60	343	0190T	406	0224-	397
0147	373	0192	466	0225-	457
0148/500	459	0194	540	0226	471
0149	518	0195	423	0227-	457
0151	476	0196	399	0228	413
0152	462	0196-	399	0229	477
0153-	458	0197	082	0230	065
0154-	458	0198	466	0231	477
0156-	535	0199	396	0232	356
0157-	345	0199P	396	0233	356
0158/500	535	0199P-	396	0234	481
0159	471	0200	395	0235	080
0160	464	0201	395	0236	383
0161	471	0201-	395	0237-	383
0162	463	0202	466	0238	226
0163	313	0203	355	0239/400	459
0164	502	0204	396	0241	377
0164/250	535	0205	344	0242	059
0165	499	0205/120	344	0243-	459
0166	463	0206	456	024xE	455
0167-	344	0207	444	024xI	455
0168	463	0208	396	0250	345
0169-	459	0208-	396	0252/230V	055
0171-	535	0209	547	0252/400V	055
0172/150	535	0211	356	0253	474
0173	413	0212	574	0254	341
0174-	342	0214	464	0255	066
0176	480	0215x	403	0256-	379
0177	479	0216/400	459	0257	478
0178	477	0217	377	0258	462
0179	478	0218-	544	0259	462
0180	478	0218/30B	544	0260	060
0181	425	0218/50T	545	0261	479

ART	PAG	ART	PAG	ART	PAG
0263	478	0307/1	479	0353/110	345
0264	341	0307/2	479	0355	442
0265/05	345	0308	413	0356	540
0266	400	0310	351	0357-	408
0267	466	0310B	352	0358	446
0268A	410	0311	548	0359-	407
0269	403	0312	587	035x	345
0271	368	0312/AB	587	0360	411
0272	542	0313	525	0362	067
0273	065	0315	499	0363-	332
0274	541	0316	073	0365	091
0277	448	0317	480	0366	545
0278-	203	0318	480	0367	471
0278/002S	203	0320	466	0368-	457
0278/005S	203	0321	534	0369	370
0278/008S	203	0322	475	0370-	457
0278/009S	203	0323/45	337	0371	141
0280	090	0323/55	337	0373-	457
0285/75	079	0325	473	0375A	370
0286-	573	0327	471	0376/AC	476
0287-	474	0329	411	0376/AI	477
0289	541	0331	305	0376/AL	477
028x	483	0332	221	0377	071
0290	354	0333	534	0378/1510	531
0291	548	0333/150	534	0379	456
0292-	083	0334/0750	079	0380	480
0293	480	0334/1000	079	0381	462
0294	477	0338	548	0382-	332
0295	476	0339	524	0383	073
0296	477	033x	459	0384	470
0298	477	0340S	400	0385	541
0299	478	0341	432	0386	541
0299/P	478	0341/3LS	433	0387A	586
0300	463	0341/5S	433	0390	341
0301-	463	0341-Sx	433	0391	462
0302/200	097	0341-x	432	0392	356
0302/245	097	0341-xL	433	0393	401
0302/305	097	0342	550	0393-	401
0303	540	0343	545	0393/A	401
0304	445	0344	546	0394-	345
0305	355	0350	315	0396	461
0305/0203/1118	356	0352-	408	0398	479
0306	463	0353/085	345	0399	502

ART	PAG	ART	PAG	ART	PAG
0400	405	0444	533	0490/03	353
0400-	404	0445/20	550	0490/11	353
0401	549	0449	578	0490/20	354
0402	447	0452	377	0492	548
0403	447	0453	451	0493/1	547
0404	447	0454	451	0493/2	547
0405	406	0455	451	0494-	412
0405-	406	0456	435	0495	101
0406	445	0457	370	0495/24	102
0407	445	0458	524	0496	101
0409	341	0459	285	0497-	085
0411	469	0460	524	0498	086
0412	527	0461	383	0499	087
0413	523	0462	351	0499/C	088
0414	523	0462/55	354	0502	073
0415	469	0463	226	0503	073
0416	523	0465	479	0504	089
0417	523	0466/4V	336	0505	098
0418	523	0466/CV	336	0506	028
0419	523	0466/DM	444	0507	101
0420	469	0466/PB	336	0507/07	102
0420/S	469	0466/SC	336	0507/14	102
0421	524	0467	380	0507/15	102
0422-	337	0468	479	0507/4R	102
0423/1	337	0469	451	0507/Y	102
0423/2	337	0470	451	0509/245	095
0424	473	0471	435	0509/305	095
0425-	122	0472	474	0509/340	095
0426-	409	0473-	535	0510	072
0427-	342	0474/PA	542	0511	458
0428	551	0474/PE	542	0513	475
0429	550	0474/PP	542	0514-	458
0430	377	0476	398	0515	475
0431	534	0476-	398	0516	546
0433	587	0477	398	0517/59	088
0434	502	0481/15	531	0517A	087
0437	547	0482/3	547	0518/20	062
0439-	412	0483	081	0518/30	062
0441	533	0485	367	0518/38M	063
0442	401	0486	355	0518/50	062
0442-	401	0487	350	0518/55H	063
0443	533	0490	350	0518/80	063

ART	PAG	ART	PAG	ART	PAG
0519	464	0558/TX	405	0595	374
0520-xA	343	0559	089	0596	374
0520-xF	343	0559/T	089	0597	549
0520-xG	343	0560	079	0599	041
0520-xP	343	0561/B	590	05x	353
0520-xS	343	0562	445	0600	384
0521	481	0562N	445	0601	348
0522	067	0563-	121	0601/24	353
0523	098	0564	098	0601/30	353
0524	227	0565	069	0602	384
0526	227	0567	370	0603	455
0529	225	0568	069	0604	481
0530	546	0569	352	0605	348
0530A	546	0570	525	0606	482
0531A	141	0571	522	0607	527
0532A	141	0574	525	0608	527
0532A/230V	141	0575	349	0609	527
0536	141	0575/04	353	0610	527
0536A	141	0575/0580/12	354	0611	468
0537A	141	0575S	349	0612	467
0538A	141	0576	522	0613	467
0540-	402	0577/17	354	0614	400
0540/3	402	0578-	352	0614-	400
0540S	402	0579-	352	0615	348
0541S	399	0580	350	0617	467
0543	587	0580/01-6	353	0618	427
0544	395	0580S	350	0620	425
0545/EF	403	0581	352	0621/A3	551
0545/TF	405	0582-	352	0622	426
0546	395	0583	587	0623	467
0548	445	0584-	476	0624	424
0551	071	0585	518	0625	547
0552	071	0585-	476	0626	446
0552/400V	071	0586	519	0626L	446
0553	071	0587	518	0627	467
0554	071	0587-	476	0627/L	468
0554/400V	071	0588-	476	0628	454
0555	073	0588/6	519	0629	471
0556	071	0589	424	0630/0900	375
0558/EM	404	0590	387	0630/2200	375
0558/EP	404	0591-	342	0630/2720	375
0558/GE	403	0594	374	0632	356

ART	PAG	ART	PAG	ART	PAG
0632-	357	0666	578	06x	385
0632/01	356	0667/100	077	0700-	394
0633	441	0667/150	078	0700/07P	394
0634	441	0668	082	0700/12P	394
0635/25	385	0670	472	0701	077
063xE	455	0670/U	472	0706	534
063xI	455	0671/1P	548	0708	028
0640	448	0672	472	0709	315
0641	526	0672/B	473	0710	029
0642	068	0673	473	0711-	124
0644	526	0677	536	0712-	204
0645/C	378	0677/500	536	0712/002	204
0645/CC	378	0677/500CG	536	0712/005	204
0645/CP	378	0677/CG	536	0712/008	204
0645/S	378	0677/IA	536	0712/009	204
0645/SS	378	0677/SO	536	0712/010	205
0646/A	578	0678	481	0712/900	205
0647/25	470	0679	424	0712-x0	205
0647/25L	470	0682	339	0712-x00	205
0647/50	470	0683	339	0713/15	545
0647/50L	470	0686/200	088	0713/18	545
0647/65	470	0686/200C	088	0713/27	545
0647/65L	470	0687	349	0714	400
0648	085	0687/005	353	0715-	139
0649-	374	0687/029	353	0716	029
0654-xF	391	0687/041	354	0716/B	029
0654-xL	391	0687/102	354	0716S	029
0655/L	472	0688	136	0717A	097
0655/R	472	068x	339	0719	083
0655/S	472	0690-	394	0720	099
0656/254	090	0690/07P	394	0720/L	099
0656/310	090	0690/12P	394	0721	082
0657	028	0691/400V	077	0722	083
0657/B	029	0692/230V	066	0723	083
0658	371	0692/400V	066	0724/B	471
0659	547	0693A	549	0725	527
0660-	540	0694	533	0725L	527
0661	546	0696	468	072x	460
0662	078	0696/L	468	0732	447
0663	368	0697	088	0733	462
0664	368	0698/100	107	0734/1	462
0665	089	0699/240	472	0734/2	462

ART	PAG	ART	PAG	ART	PAG
0735	251	0765	099	0814	454
0736	251	0766/090	108	0815-	410
0737-	465	0766/125	108	0816	313
0738-	465	0766/150	108	0817	313
0739-	465	0773-	081	0818/250	472
073x	460	0773/05L	081	0819-	482
0740-	465	0773/10L	081	0820-	482
0741-	465	0775	081	0821/14	482
0742-	465	0776	080	0822	482
0747	483	0776/610	080	0823	482
0748	483	0777/2	530	0824-	579
0749	087	0777/3	530	0826	455
0749/C	088	0780	458	0829	444
0749/M	088	0781	458	0830	227
0749/MC	088	0782	390	0831-	456
0750	059	0783-xF	530	0833	315
0750CM3	059	0783-xM	530	0834-	456
0751	084	0784	526	0835/15	227
0751/A4	122	0785-xF	530	0836	587
0751/P	122	0785-xM	530	0839-	460
0752	056	0786	522	0839-xT	460
0752CM3	056	0787	548	0840	550
0753/A	099	0789	451	0841	454
0753/L	099	0791-	387	0843	454
0754/230V	055	0792	468	0844	474
0754/400V	055	0792/L	469	0846/150	474
0755	542	0793	532	0847	454
0756	101	0794-	459	0849	332
0756/F	102	0795/1	423	0855	096
0756/S	102	0795/2	423	0855-	406
0756/T	102	0799-	226	0856-	404
0756/Y	102	07x	251	0857	046
0757	046	0803-	411	0861	482
0758	084	0803/S080	411	0862	475
0758/C	084	0803/S210	411	0864	533
0759	101	0804	075	0865	533
0759/F	102	0804/MD	076	0869	471
0759/S	102	0805/400	579	0870/250	091
0760	483	0806/020	410	0871	091
0762-	251	0806/200	409	0872/OPD	452
0762/190	251	0808-	459	0872/P	452
0764	094	0809-	409	0872/PCD	452
0764/455	094	0813	454	0872/PDD	452

ART	PAG	ART	PAG	ART	PAG
0873/TF	453	16-CM	128	A007/20	325
0873/TL	452	16-D	128	A007/21	325
0873-BC	452	16ERx	178	A007/21I	325
0873-BD	452	16IRx	178	A007/22	325
0873-U	452	1-xA	124	A007/23	324
0876	479	1-xD	124	A007/LED	326
0877	480	2622x	121	A007/LED/C	326
0878	349	2-xA	130	A007A	319
0880/307	442	2-xB	130	A007B	319
0881/008	442	2-xD	131	A007C	319
0888	444	3/B/40	126	A007D	319
0889	549	3A40-	126	A007E	320
0890	233	3-CM	126	A007F	320
0890-	233	3D40-	126	A007G	320
0891A	546	4-	129	A007H	320
0892	082	4-xB	129	A007I	321
0893	083	4-xD	130	A007L	321
0895-	398	A001-	125	A007M	321
0896-	398	A003/13A	074	A007N	321
0897-	233	A003/13ACBN	076	A007P	322
08x	454	A003/13ASDC	076	A007Q	322
08xx	454	A003/32	074	A007R	322
0900	550	A003/32CBN	076	A007S	322
0900/BL	550	A003/32SDC	076	A007T	323
0901	340	A004/14	075	A007U	323
0902	340	A004/14CBN	076	A007UF	323
0903	340	A004/14SDC	076	A007V	323
0904	340	A004/20	075	A007-xP	326
0905	341	A004/20CBN	076	A008A	319
0906	341	A004/20SDC	076	A008B	319
0907	340	A005	585	A008C	319
1/1B40	124	A007/01	325	A008D	319
1/1B50	124	A007/02	324	A008E	320
1/2B40	124	A007/03	324	A008F	320
1/2B50	124	A007/04	324	A008G	320
1/3B40	124	A007/05	324	A008H	320
1/3B50	124	A007/06	324	A008I	321
1/4B40	124	A007/07	325	A008L	321
1/4B50	124	A007/10	325	A008M	321
1/5B50	124	A007/11	325	A008N	321
165x	178	A007/16	325	A008P	322
16Ax	128	A007/17	324	A008Q	322
16-B	128	A007/18	324	A008R	322

ART	PAG	ART	PAG	ART	PAG
A008S	322	A208B-	206	AxDC	212
A008T	323	A212-	206	AxSC	212
A008U	323	A300	329	B001-	132
A008UF	323	A481/10	531	B003/5/1	590
A008V	323	A481/15	531	B004-	590
A010-	551	A481/15H	531	B004/150	591
A010/30	551	A481/30H	531	B005-	179
A010/30T	551	A601A	528	B006-	461
A010-x	551	A601DS	528	B007-	146
A013/26M	076	A602A	528	B009/A1	328
A0132A	075	A901A	529	B009/A2	328
A0132A/MB	076	A902A	529	B009/B1	328
A0132A/MR	076	ACAS/001	360	B009/B2	328
A014-	209	ACAS/002	360	B010	571
A014/03-30S	209	ACAS/003	360	B012-	181
A015-	567	ACAS/004	360	B013-	181
A016-	562	ACAS/005	360	B014-	181
A017x	568	ACAS/006	360	B015	327
A018x	568	ACAS/007	360	B015/10	327
A019-	571	ACAS/008	360	B017/C	327
A020	562	ACAS/009	360	B018	590
A021	563	ACAS/010	360	B019	328
A024/10	358	ACAS/011	360	B019/G030	328
A024/602	359	ACAS/012	360	B021	590
A025/30	358	ACAS/013	360	B022/10	327
A040/30A	358	ACAS/014	360	B022/15	327
A040/60A	358	ACAS/015	360	B025	571
A040/802	359	ACAS/017	360	B031	590
A040/8029	360	ADF-	293	B0x	566
A040/803	359	ADLTx	175	B100	569
A040/8037	360	ADLTxA	175	B201/1	569
A040/8040	360	ADLTxA1	175	B201/2	569
A040/8046	360	ADR3/6	276	B201/3	569
A040/8047S	360	AN2G/12/1	385	B201/4	569
A040/8047U	360	AP01	520	B609	543
A040/8048	360	AP02	520	B610	543
A059/M	076	AP03	520	BASECKJNL	164
A100	329	AP04	520	BASECKJNR	164
A12AL6	213	AP05	521	BGAx	300
A162A	529	AP05/150	521	BI413L0x	429
A162C	529	AP06	521	BI423Lx	429
A162DS	529	APKTx	175	BI433Mx	429

ART	PAG	ART	PAG	ART	PAG
BI443Mx	429	BRAS4103x	180	C018-	555
BI4E1Lx	431	BRAS4104x	180	C019/150	556
BI4E1Nx	431	BRAS4109x	181	C020-	557
BI4E2Lx	430	BRAS4111x	180	C021-	557
BI4E2Nx	430	BRCIx	180	C022/100	080
BI4E3Lx	428	BRFEx	180	C023	560
BI4E3Nx	428	BRFlix	180	C023/N	560
BN413Lx	420	BSAx	300	C023G	560
BN413Nx	420	BSCL09	164	C025-	567
BN414Lx	417	BSCL12	164	C025-3x	567
BN414Nx	417	BSDJ11	164	C026-	575
BN415Nx	414	BSER16	164	C027-	575
BN423Lx	420	BSNR16	164	C028-	575
BN423Nx	420	BSSS12	164	C029-	575
BN424Lx	417	BSTG16	164	C030-	391
BN424Nx	417	BSVJ16	164	C031/150	554
BN425Nx	415	BU3550	164	C033-	554
BN433Lx	420	BU4050	164	C035-	554
BN433Nx	420	BU4560	164	C038/30	370
BN434Lx	417	BxAL	213	C039/15	371
BN434Nx	417	BxDC	213	C039/25	371
BN443Lx	421	BxDCxL	213	C041/150	554
BN443Nx	421	BxSC	213	C043-	555
BN444Lx	418	BxSCxL	213	C044-	557
BN444Nx	418	C001-	220	C046-	135
BN445Nx	415	C002	560	C048	561
BN4C3Lx	421	C002/42	561	C049/300	557
BN4C4Lx	418	C003-	220	C050-	135
BN4E2Nx	422	C004	560	C051	111
BN4E3Lx	419	C005/150	555	C052	111
BN4E3Nx	419	C006-	555	C053-	135
BN4E4Lx	416	C007-	558	C054	111
BN4E4Nx	416	C009	381	C055-	135
BN4E5Lx	414	C010/200	558	C056/200	556
BN4E5Nx	414	C010/200P	558	C057/150	556
BN4P2Nx	422	C011-	556	C058	575
BN4P3Lx	419	C012-	461	C060	560
BN4P3Nx	419	C014-	562	C061	563
BN4P4Nx	416	C015	461	C062	563
BN4P5Nx	414	c015-	461	C063	563
BR10/10	179	C016	562	C063/L	563
BR10/12	179	C017	560	C064	560

ART	PAG	ART	PAG	ART	PAG
C065/2	381	C650	381	C960/PG	334
C067	586	C700	330	C960/PL	334
C069	586	C750	381	C960C3C	487
C070	586	C800	329	C960CA	486
C075/2	381	C800-	330	C980	336
C076/30	082	C855-	406	C980/CC01	484
C080-	330	c856-	404	CAR115280/060	287
C085-	330	C880/006	441	CAR115280/080	287
C086/01C	331	C881-	441	CAR115280/120	287
C086/01T	331	C881/006	441	CB01-	437
C086/02C	331	C882-	440	CB01/04P	438
C086/02T	331	C882/2038	440	CB01/07P	438
C086/04C	331	C883-	440	CB01/11P	438
C086/04C/D	331	C884-	440	CB02-	437
C086/04T	331	C884/6038	440	CB02/04P	438
C086/12C	331	C885-	440	CB02/07P	438
C086/12C/D	331	C885/2038	441	CB02/11P	438
C087	332	C900/A	333	CBF1-	437
C090-	332	C900/B	333	CBF1/10P	438
C1101	382	C900/CC01	487	CCGx	298
C1102	382	C900/CC03	488	CCMTx	168
C163	338	C900/CC04	488	CCMTxA	168
C165	338	C900C3C	489	CF08	558
C170P	382	C900CA	489	CHERx	127
C182	382	C960/1A	490	CI80/006	442
C183	382	C960/2A	490	CI82-	442
C184	383	C960/3A	490	CI83-	442
C189	382	C960/4A	491	CKJNx	151
C245-	407	C960/5A	491	CKUNR	155
C313	337	C960/7A	491	CN450N0/0	412
C315	337	C960/8A	491	CN450Nx	412
C360	337	C960/AM01	484	CNMGx	168
C371	338	C960/CC01	485	CNMGxF15	168
C391-	407	C960/CC03	485	CNMGxF25	168
C395-	407	C960/CC04	486	CNMGxM25	169
C586	518	C960/F6	335	CNMGxM35	169
C589	519	C960/F7	335	CR20x	480
C600	329	C960/F8	335	CRDxC	289
C600-	330	C960/MP	334	CRDxT	289
C603	329	C960/PC	334	CSCD-	293
C603-	330	C960/PD	334	CSDS-	293
C648	338	C960/PF	334	CSF-	293

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CTFP10/12	164	DC200	298	DN2300-Z	269
CTFPBASE25/32	164	DCGx	298	DN4100-A	267
CTFPx	154	DCK100	297	DN4100-Z	265
CTMTMC16/20	164	DCMTx	169	DN4300-A	267
CTMTMC25/32	164	DCMTxA	169	DN4300-Z	265
Cx	381	DCTx	297	DN4550-Z	265
CxAL	214	DCVx	297	DN6100-A	263
CxDC	214	DF2100-A	270	DN6100-Z	261
CxSC	214	DF2100-Z	268	DN6300-A	263
D001	588	DF2150-A	270	DN6300-Z	261
D003	109	DF2150-Z	268	DN6550-Z	261
D004-	111	DF4100-A	267	DN8100-A	259
D005-	110	DF4100-Z	264	DN8100-Z	257
D006-	111	DF4150-A	267	DN8300-A	259
D007/A	589	DF4150-Z	264	DN8300-Z	257
D009/5-12	225	DF4600-Z	266	DN8550-Z	257
D009/5-85	225	DF6100-A	263	DN9100-ZC	272
D010-	591	DF6100-Z	260	DN9101-C	273
D011/A	589	DF6150-A	263	DNMGx	169
D011/D	589	DF6150-Z	260	DNMGxM25	170
D012-	591	DF6600-Z	262	DNMGxM35	170
D018	588	DF6700-Z	262	DNW100	298
D020	225	DF8100-A	259	DSCx	297
D023	109	DF8100-Z	256	DSK100	297
D040-	315	DF8150-A	259	DSTx	297
D045-	313	DF8150-Z	256	DxAL	214
D050	225	DF8600-Z	258	DxDC	214
D054-	315	DF8700-Z	258	DxSC	214
D055-	314	DF9100-ZC	271	E001	435
D059-	314	DF9101-C	273	E002-	125
D060-	314	DF9103-M	274	E003	435
D070-	314	DF9150-ZC	271	E005	435
D100	313	DF9153-M	274	E010	237
D100/S	313	DF9800-ZC	272	E010-	237
D17x	282	DF9801-C	273	E010B	237
D880/006	439	DFC115/M14	296	E010-BSFxEx	245
D882-	439	DFFx	296	E010-BSWxEx	245
D882/2038	439	DFVx-xA	281	E010E	237
D883-	439	DFVx-xZ	281	E010-MxE1	242
D884-	439	DLFx	295	E010-MxE15	243
D884/6038	439	DMV150	298	E010-MxE2	243
D885-	439	DN2100-A	270	E010-MxE25	244
D885/2038	439	DN2100-Z	268	E010-MxE3	244

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E010-MxExA	245	ExDC	215	F122-	234
E010-MxExC	240	ExSC	215	F123	234
E010-UNCxEx	245	F001/10	210	F23x	210
E010-UNFxEEx	246	F001/20	210	F256-	162
E011/BSF	241	F002-	196	F256/644	164
E011/BSW	240	F002/6	196	F256/648	164
E011/M140X125B	239	F002/P	197	F2Gx	577
E011/M140X125MCB	240	F002/PL	197	F300-	160
E011/MC	240	F002-xL	197	F301-	160
E011/UNC	241	F002-xP	196	F302-	160
E011/UNF	242	F002-xPL	197	F303-	162
E011A	238	F005-	211	F304-	161
E011-Ax	249	F006-	211	F306-	160
E011B	238	F007-	211	F307/16/22	163
E011-BSFx	241	F008-	219	F308-	162
E011-BSFxM	247	F008DC	219	F32x	577
E011-BSWx	240	F008SC	219	F400-	161
E011-BSWxM	247	F010	585	F401-	161
E011C	238	F011-	195	F402-	161
E011D	238	F011/6	195	F403-	163
E011-Ex	249	F011-xP	195	F406-	163
E011-M140x125Ex	240	F015-	201	F407-	162
E011-Mx1	239	F015/005	201	F430	209
E011-MxC	239	F015/006S	201	F585	518
E011-MxM	246	F015/007	201	F588/6	518
E011-MxMC	247	F015/008S	201	F639	209
E011-UMx	248	F015-A	201	F68x	577
E011-UNCx	241	F018	473	F80x	577
E011-UNCxM	248	F019-	199	F813	577
E011-UNFxE	242	F019/005	199	FB12CD3AS-22B	505
E011-UNFxE M	248	F019/006	199	FB20AG3AB-12B	508
E011-Ux	249	F019/007	199	FB20AG3AB-14B	508
E022/12	581	F019/008	199	FB20AG3AB-22B	508
E022/5	581	F025	210	FB20AG3AB-24B	508
E022/P	581	F050	034	FB20AG3AB-B	508
E190-	436	F050B	035	FB20BC3A2-K	511
E190-Bx	436	F050I	034	FB20BC3A4-K	511
E191-	436	F050U	033	FB20CD3AB-12B	507
EN403Nx	421	F060	033	FB20CD3AB-14B	507
EN404Nx	418	F060I	032	FB20CD3AB-22B	507
EN405Nx	415	F060V	032	FB20CD3AB-24B	507
ERW100	279	F090-	412	FB20CD3AB-B	507
ExAL	215	F121-	234	FB20ID3AB-12B	507

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FB20ID3AB-14B	507	G002-	233	JN403NA	421
FB20ID3AB-22B	507	G003-	233	JN404NA	418
FB20ID3AB-24B	507	G005	580	JN405NA	415
FB20ID3AB-B	507	G006-	580	JxDC	218
FB20IS3AB-K	509	G007-	151	JxSC	218
FB20IW3AB-K	509	G008	580	K001-	114
FB20LB3A2-E	511	G009	460	k002-	114
FB20LB3A4-E	511	G011/1	233	KICAN	155
FB20LL3AX-K	510	G011/2	233	KISCLCR	152
FB20RH3AB-24B	508	G030-	537	KISER	155
FB20RH3AB-B	508	G090-	412	KISNR	155
FC94/245	096	G0x	127	KISTCMT	152
FC94/350	096	G900	549	KISTFCR	152
FCGx	298	GCMX	178	KITCKJ	148
FD0x-	121	GCMXA	178	KITCKJ16	148
FDCx	281	Gx	328	KITPCLNR16	147
FFAG07203A-115K	515	GxAL	216	KITPCLNR20	147
FFAG08603A-125K	515	GxDC	216	KITPCLNR25	147
FFAG12003V-125K	515	GxSC	216	KITPDJNR20	148
FFAG22003A-230K	515	HT125	574	KITPDJNR25	148
FFCS15003A-190K	516	HxAL	216	KITPSSNR16	148
FFID06003A-K	513	HxDC	216	KITPSSNR20	148
FFID08103A-K	513	HxSC	216	KITPSSNR25	148
FFJS07103A-K	516	I002	584	KITPTGNR16	147
FFOS03503A-K	517	I109	434	KITPTGNR20	147
FFRH08003A-B	514	I217	433	KITPTGNR25	147
FFRH10503A-B	514	I306	433	KITPWLNR20	148
FFRS04503A-150K	517	I340	432	KITPWLNR25	148
FFSF14003A-110K	516	IS25-ESx	449	KITSCLCR12E	146
FGx	574	IS25-PHx	449	KITSCLCR16E	146
FGx-AI	574	IS25-PHxAS	449	KITSCLCR20E	146
FLIx	288	IS25-PZx	449	KITSCLCR25E	146
FPA120-	292	IS25-PZxAS	449	KITSDJCR10	147
FRFx	277	IS25-TGx	449	KITSDJCR12	147
FSAx	300	IS25-TXx	449	KITSDJCR16	147
FTRx	287	IS50-ESx	449	KITSDJCR20	147
FTx-1000	386	IS50-PHx	450	KITSDJCR25	147
FTx-2000	386	IS50-PZx	450	KITSSSCR20E	146
FTx-3000	386	IS50-TGx	450	KITSSSCR25E	146
FxAL	215	IS50-TXx	450	KITSTGCR16	146
FxDC	215	JI40xL	434	KITSTGCR20	146
FxSC	215	JI40xN	434	KITSTGCR25	146
G001-	234	JN402NA	422	KITSVJBR20	147

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KITSVJBR25	147	M003-	232	M033-	564
KNUX	170	M003-xV	232	M033-x	564
KVx	164	M003-xxV	232	M034/120	107
KxDC	218	M003-xxx	232	M036	228
KxSC	218	m004-	129	M038	139
L006	547	M005A/200	120	M040	361
L007	466	M005A/250	120	M040/CF	361
L008	549	M005A/320	120	M040/CP	361
L011	464	M005A/400	120	M040/D	361
L012	464	M005A/500	120	M040/SA	361
L012/PIA	464	M005A/630	120	M040/SP	361
L013	464	M006-	344	M040/ST	361
L014	586	M007-	344	M041	361
L018-	207	M009-	565	M042-	123
L018S	207	M010-	565	M049A/080	118
L019-	207	M011-	103	M049A/080ST	121
L019S	207	M011-xG	104	M049A/100	118
L020	208	M012-	104	M049A/100ST	121
L020-	207	M013/0/100	565	M049A/125	118
L020S	207	M014-	105	M049A/125ST	121
L080	579	M015S	228	M049A/160	118
L085	579	M016/075	106	M049A/160ST	121
L090A	579	M016/100	106	M049A/200	118
L10AL6	217	M017/080	106	M049A/200GBD	121
L150	580	M017/100	106	M049A/250	118
L200	579	M018-	344	M049A/250GBD	121
LB09/2720	250	M019-	565	M049A/320	118
LB11/2720	250	M019-x	565	M049A/320GBD	121
LBx	250	M020	228	M049A/400	118
LN400N1/2A	421	M021-	564	M049A/400GBD	121
LN400N1/4A	415	M022-	564	M051-	123
LN400N3/4A	422	M023-	105	M052-	123
LN400N3/8A	418	M024-	105	M055	562
LSL76-20	251	M026-	564	M055/120	562
LSM76-12	251	M027-	106	M057/16	088
LxDC	217	M028-	103	M059-	131
LxSC	217	M028-xG	104	M060-	131
M001-	106	M028-xGR	104	M061	104
M001-x	231	M029	229	M062	562
M001-xV	231	M030	229	M069	581
M002-	231	M032	228	M071	581
M002-xV	231	M033	564	M072	581



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M075A/080	117	M300/B	338	ML80A	583
M075A/100	117	M312/C	228	MSCx	291
M075A/125	117	M312/P	228	MSD4x	310
M075A/160	117	M430/B	338	MSD6x	310
M075A/200	117	M449A/080	118	MSD8x	310
M075A/250	117	M449A/080ST	121	MTD4x	308
M075A/320	117	M449A/100	118	MTD6x	308
M075A/400	117	M449A/100ST	121	MTD7x	309
M076A/080	117	M449A/125	118	MTFNBASE25/32	164
M076A/100	117	M449A/125ST	121	MTFNx	154
M076A/125	117	M449A/160	118	MTP4x	308
M076A/160	117	M449A/160ST	121	MTP6x	307
M076A/200	117	M449A/200	118	MTP7x	309
M076A/250	117	M449A/200GBD	121	MTP8x	307
M076A/320	117	M449A/250	118	MTP9x	309
M076A/400	117	M449A/250GBD	121	MVx	311
M078A/160/D1-4	119	M449A/320	118	Mx	140
M078A/200/D1-4	119	M449A/320GBD	121	MxDC	217
M078A/200/D1-5	119	M449A/400	118	MxSC	217
M078A/250/D1-5	119	M449A/400GBD	121	N12DC6	218
M078A/250/D1-6	119	M505/B	339	N7x	250
M078A/250/D1-8	119	M530-	105	N7x1	250
M078A/320/D1-6	119	M540/BT	339	NAS100x-A	278
M078A/320/D1-8	119	MBGxA	312	NAS100x-C	279
M078A/400/D1-8	119	MBGxC	313	NAS100x-Z	278
M079A/160/D1-4	119	MBx	311	NAT100x	279
M079A/200/D1-4	119	MCDxZ	275	NTxA	290
M079A/200/D1-5	119	MCG2050/06G	312	NTxZ	290
M079A/250/D1-5	119	MCGxA	312	NWS100	280
M079A/250/D1-6	119	MCGxC	312	NWS100/M	280
M079A/250/D1-8	119	MCGxS	312	NxSC	218
M079A/320/D1-6	119	MCLNBASE25/32	164	OFEXx	175
M079A/320/D1-8	119	MCLNx	154	OFEXxA	176
M079A/400/D1-8	119	MD01	586	ONMXxA	176
M080-	123	MDAxZT	282	P001/04	366
M081-	123	MDFx	295	P001/10	366
M100	229	MDUx	294	P001/12	366
M101	229	MFDxZ	275	P001/20	366
M10AL6	217	MFDxZC	275	P001/30	365
M13x	338	MFGx	296	P001/45	365
M16x	311	MGx	311	P001/75	365
M218	229	ML40	583	P002	362

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P005	362	P033/03S	224	P080	582
P007-	576	P034-	224	P081-	193
P008/102	080	P034/05S	224	P100/250	140
P009	329	P034/06S	224	P101-	140
P010/41	189	P035-	225	P20x	576
P010/51	189	P035/04S	225	P30x	576
P011-	576	P036-	210	P340A	133
P012-L	362	P037-	210	P350A	133
P012-LxP	362	P039	363	P40VD	326
P012-N	362	P039/PR	363	P440A	133
P012-NxP	362	P045	184	P444A/125	120
P013	589	P046	184	P444A/160	120
P014	108	P049-	221	P444A/200	120
P015	108	P04x	572	P444A/250	120
P017	108	P050-	221	P444A/320	120
P018-	139	P051-	221	P444A/400	120
P019	383	P052-	226	P450A	133
P020	363	P052/08S	226	P4ACS	134
P020/P	363	P056-	193	P880/06S	444
P021	362	P056/10S	193	P881-	443
P022-	367	P057	192	P881/06S	444
P023-	186	P058-	189	P882-	443
P023/19	186	P058/170	189	P883-	443
P023/25	186	P061	189	P886-	443
P023-xC	187	P062	189	PARx	292
P023-xL	187	P063-	221	PAS-	295
P023-xL1	187	P064-	191	PAV	326
P023-xL2	188	P064/19A	191	PC40A	134
P023-xL3	188	P064/25A	191	PC40A/R	134
P024/06	541	P065-	190	PC50A	134
P024/15	541	P067	190	PC50A/R	134
P028-	367	P068	189	PCLNx	150
P029-	367	P069	190	PCR6338	289
P031-	223	P075	582	PDBx	284
P031/03S	223	P076-	222	PDC1-	385
P031/05S	223	P076/006S	222	PDC2-	385
P031/06P	223	P076/008S	222	PDC4-	384
P031/06S	223	P076-Gx	222	PDJNRKIT	164
p032-	127	P076-Px	222	PDJNx	151
P032/18P	127	P077-	114	PDMx	284
P032/7P	127	P078-	114	PDVx-M14	285
P033-	224	P079-	114	PFBx	282

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PFLx	285	RFTx	277	S017	378
PFSx	282	RGFx	295	S018	450
PI063	446	RGMx	276	S019	373
PI401x	434	RGPx	277	S022-	461
PI402x	430	RGTx	276	S023	072
PI403x	429	RI40x	434	S024	373
PI453x	429	RICAPCLN	164	S026-	208
PIF1	444	RICAPSSN	164	S026/06-20S	208
PLV175	299	RICAPTGN	164	S026/06-20SM	208
PMEx	285	RLFx	277	S027	376
PN402Nx	422	RLMx	278	S027ATV	376
PN403Nx	421	RLPx	278	S029	376
PN404Nx	418	RLTx	278	S029P	376
PN405Nx	415	RMTx	276	S033	373
PNS	299	RN4023NA	422	S042/1	570
PPSx	285	RN4032NA	421	S042/2	570
PR16/10P	127	RN4034NA	421	S042/3	570
PR20/12P	127	RN4043NA	418	S045	571
PR25/15P	127	RN4045NA	418	S046	571
PSSNx	150	RN4054NA	415	S047	570
PSV-F	326	RPMTx	176	S048-	573
PSV-M	326	RPW090	279	S049	570
PTGNx	150	RSAx	286	S050-	572
PVC300	483	RSRx	286	S051	571
PVC300/125	483	RSSx	286	S051-	572
PWLNRRKIT	164	RTFx	287	S052/2	569
PWLNx	151	Rx	559	S052/3	569
R001-	068	S001	208	S052/4	570
R003/09	068	S001/60	209	S054	570
R015	373	S002	469	S055	570
R0x	578	S002/E100	469	S056-	573
R608	543	S002/E200	469	S057/060S	573
R609	543	S002/E300	469	S057/125	573
R60xA	543	S004	587	S058	573
R60xB	543	S005	470	S059-	572
R610	543	S005/R	470	S068	373
RASx	286	s007-	133	S06x	572
RCLx	287	S008/M	377	S075-	530
RCSx	288	S009	100	S091	568
RDHTx	176	S013	377	S0x	208
RFF100	296	S014-	133	S100	140
RFPx	278	S015	100	S108	426

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S110	589	SCMTxA1	170	SNMGxM25	171
S111	589	SCMTxA2	171	SNMGxM35	172
S169	295	SCMTxA3	171	SNMXx	177
S179	427	SCRx	302	SNRx	156
S1x	209	SCRxI	302	SPA115/M14	291
S2/800	389	SC5x	279	SPIxZ	288
S328	425	SDJCx	150	SPKNx	177
S383	072	SDUCx	153	SPMRx	172
S401/00	537	SEHTx	176	SPUN13P	079
S401/01	537	SEHTxA	176	SR44W	480
S401/02	537	SEHXx	177	SRFx	301
S401/03	537	SEHXxA	177	SRFxI	301
S401/04	537	SEKNx	177	SRGx	303
S401/05	538	SERx	156	SRGxI	303
S401/06	538	SFFx	275	SRRx	302
S401/07	539	SFGx	304	SRRx-M14	302
S401/08	538	SFGxI	304	SSSCRx	152
S401/09	538	SFPx	304	SSSCxE	149
S401/10	538	SFPxI	305	ST1Ax	184
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S401/12	539	SFRxI	305	ST1AxR10	185
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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.**

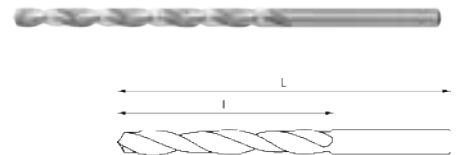
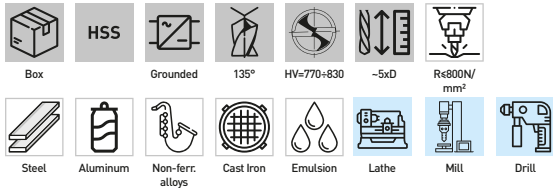
MINIMUM ORDER QUANTITY PER ITEM

All our products can be purchased in quantities of 1 (one) piece, with the exception of items with a specific indication, which can only be purchased in the minimum quantity indicated.

P023-XL

LONG TYPE STRAIGHT SHANK TWIST DRILL

DIN 340, Right hand, rectified



Art.	€	ø	L	l	Pack
P023/01.00L	€ 9999,99	0 mm	56 mm	33 mm	10
P023/01.25L	€ 9999,99	5 mm	65 mm	40 mm	10
P023/01.50L	€ 9999,99	0 mm	70 mm	45 mm	10
P023/01.75L	€ 9999,99	5 mm	80 mm	53 mm	10
P023/02.00L	€ 9999,99	0 mm	85 mm	56 mm	10
P023/02.25L	€ 9999,99	5 mm	90 mm	59 mm	10
P023/02.50L	€ 9999,99	0 mm	95 mm	62 mm	10
P023/02.75L	€ 9999,99	5 mm	100 mm	66 mm	10
P023/03.00L	€ 9999,99	0 mm	100 mm	66 mm	10
P023/03.25L	€ 9999,99	5 mm	106 mm	69 mm	10
P023/03.50L	€ 9999,99	0 mm	112 mm	73 mm	10
P023/03.75L	€ 9999,99	5 mm	112 mm	73 mm	10
P023/04.00L	€ 9999,99	0 mm	119 mm	78 mm	10
P023/04.25L	€ 9999,99	5 mm	119 mm	78 mm	10
P023/04.50L	€ 9999,99	0 mm	126 mm	82 mm	10
P023/04.75L	€ 9999,99	5 mm	126 mm	82 mm	10
P023/05.00L	€ 9999,99	0 mm	132 mm	87 mm	10
P023/05.25L	€ 9999,99	5 mm	132 mm	87 mm	10
P023/05.50L	€ 9999,99	0 mm	139 mm	91 mm	10
P023/05.75L	€ 9999,99	5 mm	139 mm	91 mm	10
P023/06.00L	€ 9999,99	0 mm	139 mm	91 mm	10
P023/06.25L	€ 9999,99	5 mm	148 mm	97 mm	10

Art.	€	ø	L	l	Pack
P023/06.50L	€ 9999,99	0 mm	148 mm	97 mm	10
P023/06.75L	€ 9999,99	5 mm	148 mm	97 mm	10
P023/07.00L	€ 9999,99	0 mm	156 mm	102 mm	10
P023/07.25L	€ 9999,99	2 mm	156 mm	7,50 mm	10
P023/07.50L	€ 9999,99	5 mm	156 mm	102 mm	10
P023/07.75L	€ 9999,99	5 mm	165 mm	109 mm	10
P023/08.00L	€ 9999,99	0 mm	165 mm	109 mm	5
P023/08.25L	€ 9999,99	5 mm	165 mm	109 mm	5
P023/08.50L	€ 9999,99	0 mm	165 mm	109 mm	5
P023/08.75L	€ 9999,99	5 mm	175 mm	115 mm	5
P023/09.00L	€ 9999,99	0 mm	175 mm	115 mm	5
P023/09.25L	€ 9999,99	5 mm	175 mm	115 mm	5
P023/09.50L	€ 9999,99	0 mm	175 mm	115 mm	5
P023/09.75L	€ 9999,99	5 mm	184 mm	121 mm	5
P023/10.00L	€ 9999,99	0 mm	184 mm	121 mm	5
P023/10.25L	€ 9999,99	25 mm	184 mm	121 mm	5
P023/10.50L	€ 9999,99	50 mm	184 mm	121 mm	5
P023/11.00L	€ 9999,99	0 mm	195 mm	128 mm	5
P023/11.50L	€ 9999,99	50 mm	195 mm	128 mm	5
P023/12.00L	€ 9999,99	0 mm	205 mm	134 mm	5
P023/12.50L	€ 9999,99	50 mm	205 mm	134 mm	5
P023/13.00L	€ 9999,99	0 mm	205 mm	134 mm	5

MINIMUM ORDER €

The **minimum billable is €1.000** (one thousand Euros, excluding VAT – Article 11 of the Fervi SpA General Conditions of Sale).

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