

Think safe



Choose Euroboor

Portable industrial tools for professionals

Exceeding customer expectations since 1977

 **EUROBOOR**

FOR PROFESSIONALS BY PROFESSIONALS

Catalogue - English

Our mission:

"Exceeding customer expectations by developing and providing safe, premium and innovative portable drilling and cutting solutions."

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For more information contact us by email or phone.

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 **EUROBOOR**

ISO9001 certified company

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Our vision

Ever worked with industrial tools which did not deliver on the promised quality and output? Heavy machines which are inconvenient to use and therefore cost both you and your employees a lot of time and effort?

At Euroboor we believe, ever since our founding in 1977, that it can be done differently. That a professional like you must be able to rely on a professional supplier. Which has led us to become a major player in the industrial world, with our own factory and several offices worldwide. All because we have always listened to our customers and to the demands from the market.

Our customers are the ones who use our tools every day. Therefore they are our key indicators when it comes to the development and production. To which the starting point is clear: good is not good enough! Euroboor always goes one step further.

With our production methods and technical approach, it is our goal to develop lighter, stronger, safer and more reliable tools. In addition, we test our tools thoroughly from the start of the development process all the way up to production.

Our vision is focused on developing innovative portable tools that add value for our customers and facilitate them in their daily work. We never lose sight of safety, sustainability, time & cost savings. Our mission is always clear: exceeding customer's expectations by developing and providing premium and innovative portable drilling and cutting solutions.



Focus



Quality



Efficiency



Safety



From development, to extensive prototype testing to producing premium tools

The production of our magnetic drilling machines takes place in our own and highly organised facility where we are able to produce our tools to the highest standards. Having our own facility also means we are able to adapt, evolve and innovate easily and therefore make new developments and tailor-made products available to you quickly.

To be able to develop and provide premium and innovative portable drilling and cutting solutions which exceed our customer expectations we test each and every concept, sample and component to its limits, and beyond. Our own testing facility allows us to extensively test our self-produced prototypes and expose them to all necessary endurance tests.



Sustainability & Ecological awareness

By continuously updating our production process we are able to shorten production times and minimise usage of raw materials, thus consuming and wasting less material which means we reduce our use of natural resources. The use of virgin, but renewable, raw materials during our advanced manufacturing process helps us to develop lighter, stronger and more reliable and efficient tools. Making their practical use clear: faster and more premium results with reduced operating time. This translates directly into reduced energy use, causing less stress on the environment.

With our drilling and cutting solutions we want to add value for our customer's and facilitate them in their daily work. To do so we have developed a wide range of premium and innovative portable magnetic drilling machines. No matter the size, location or difficulty of your drilling job we have the best solution for you!

| Basic edition | + editions | Annular cutting | Twist drilling | Countersinking | Tapping | Length | Width | Height | Stroke |
|----------------------|-----------------------------|---|-------------------------|----------------|----------|--------|--------|--|--------|
| ECO.30 | ECO.30 _{S+} | Ø 12 - 30 mm | Ø 1 - 13 mm (Weldon) | Ø 10 - 35 mm | n/d | 275 mm | 190 mm | 293 - 383 mm | 90 mm |
| ECO.32 | ECO.32 ₊ | Ø 12 - 32 mm | Ø 1 - 13 mm | Ø 10 - 40 mm | n/d | 320 mm | 210 mm | 370 - 512 mm | 150 mm |
| ECO.40/2 | ECO.40/2 ₊ | Ø 12 - 40 mm | Ø 1 - 13 mm | Ø 10 - 45 mm | n/d | 320 mm | 210 mm | 395 - 540 mm | 150 mm |
| ECO.40S | ECO.40 _{S+} | Ø 12 - 40 mm | Ø 1 - 16 mm | Ø 10 - 45 mm | n/d | 264 mm | 180 mm | 360 - 440 mm | 145 mm |
| ECO.50-T | ECO.50 _{+/T} | Ø 12 - 50 mm | Ø 1 - 23 mm | Ø 10 - 55 mm | M3 - M20 | 320 mm | 210 mm | 385 - 540 mm | 170 mm |
| ECO.50S | ECO.50 _{S+} | Ø 12 - 50 mm | Ø 1 - 23 mm | Ø 10 - 55 mm | n/d | 320 mm | 200 mm | 445 - 615 mm | 170 mm |
| ECO.55S/T | ECO.55 _{S+/T} | Ø 12 - 55 mm | Ø 1 - 23 mm | Ø 10 - 60 mm | M3 - M20 | 320 mm | 200 mm | 490 - 660 mm | 170 mm |
| n/d | ECO.55 _{S+/TA} | Ø 12 - 55 mm | Ø 1 - 23 mm | Ø 10 - 60 mm | M3 - M20 | 345 mm | 305 mm | 490 - 660 mm | 170 mm |
| ECO.60S | ECO.60 _{S+} | Ø 12 - 60 mm | Ø 1 - 23 mm | Ø 10 - 65 mm | n/d | 320 mm | 200 mm | 452 - 622 mm | 170 mm |
| ECO.80/4 | ECO.80 _{S+} | Ø 12 - 80 mm | Ø 1 - 31.75 mm | Ø 10 - 85 mm | n/d | 365 mm | 310 mm | 510 - 710 mm (ECO.80/4) 525 - 785 mm (ECO.80s+) | 260 mm |
| ECO.100/4 | n/d | Ø 12 - 100 mm ECO.100/4 | Ø 1 - 31.75 mm | Ø 10 - 105 mm | M3 - M30 | 365 mm | 310 mm | 510 - 710 mm | 260 mm |
| n/d | ECO.100 _{S+/T (D)} | Ø 12 - 100 mm (ECO.100S+/T) Ø 12 - 120 mm (ECO.100S+/TD) | Ø 1 - 31.75 mm | Ø 10 - 105 mm | M3 - M30 | 365 mm | 310 mm | 525 - 785 mm (100/4s+/T/D + 9 mm) | 260 mm |
| ECO.200 | n/d | Ø 12 - 200 mm | Ø 1 - 44 mm | Ø 10 - 205 mm | n/d | 480 mm | 260 mm | 660 - 840 mm | 180 mm |
| Specials | + editions | | | | | | | | |
| F16 | F16 ₊ | n/d | Ø 1 - 16 mm** | n/d** | n/d | 310 mm | 170 mm | 325 - 495 mm | 170 mm |
| TUBE.30 | TUBE.30 _{S+} | Ø 12 - 30 mm | Ø 1 - 13 mm (Weldon) | Ø 10 - 35 mm | n/d | 275 mm | 185 mm | 326 - 416 mm | 90 mm |
| TUBE.55S/T | TUBE.55 _{S+/T} | Ø 12 - 55 mm | Ø 1 - 23 mm | Ø 10 - 60 mm | M3 - M20 | 320 mm | 210 mm | 523 - 693 mm | 170 mm |
| TUBE.55/AIR | n/d | Ø 12 - 52 mm (HSS) Ø 12 - 55 mm (TCT) | Ø 1 - 23 mm | Ø 10 - 55 mm | n/d | 345 mm | 245 mm | 630 - 730 mm | 167 mm |
| ECO.36 | ECO.36 ₊ | Ø 12 - 36 mm | Ø 1 - 14 mm (Weldon) | Ø 10 - 40 mm | n/d | 310 mm | 135 mm | 165 mm | 40 mm |
| EBM.360 | n/d | Ø 12 - 36 mm | Ø 1 - 13 mm | Ø 10 - 40 mm | n/d | 297 mm | 112 mm | 420 - 610 mm | 230 mm |
| AIR.55 | n/d | Ø 12 - 52 mm (HSS) Ø 12 - 55 mm (TCT) | Ø 1 - 23 mm | Ø 10 - 55 mm | n/d | 380 mm | 245 mm | 615 - 705 mm | 167 mm |
| Rail machines | + editions | | | | | | | | |
| RAIL.40S | n/d | Ø 12 - 36 mm | n/d | n/d | n/d | 230 mm | 180 mm | 495 - 610 mm | 155 mm |
| RAIL.60S | n/d | Ø 12 - 36 mm | n/d | n/d | n/d | 262 mm | 130 mm | 597 - 747 mm | 170 mm |

* Exclusive power cord and/or handle(s), ** Hand drill dependable

Most of our magnetic drilling machines are available in two editions, so you can choose the edition most suitable for your situation. When you prefer a magnetic drilling machine with innovative electronics that protect both machine and user, our + editions will best suit you.

These + machines benefit from additional features, such as:

- Gyro-Tec safety
- Power surge protection
- Power fluctuation protection
- Automatic shut-off
- Carbon brush wear indicator

| Weight | Magnet (l x w x h) | Magnetic force | Motor power | Total power | Speed (no load) | Speed (load) | Spindle (Weldon) | Power source |
|--|--------------------|----------------|-------------|-------------|--|--|------------------|--|
| 8.5 kg * | 160 x 80 x 37 mm | 1,200 kg | 900 W | 950 W | I 775 rpm | I 400 rpm (900 W) | 19.05 mm | 110 - 120 V / 220 - 240 V / 50 - 60 Hz |
| 11 kg * | 160 x 80 x 42 mm | 1,500 kg | 1,000 W | 1,050 W | I 775 rpm | I 440 rpm (1,000 W) | 19.05 mm | |
| 11.5 kg * | 160 x 80 x 42 mm | 1,500 kg | 1,050 W | 1,100 W | I 720 rpm II 1,300 rpm | I 315 rpm (1,050 W) II 560 rpm (1,050 W) | 19.05 mm | |
| 10.5 kg * | 160 x 80 x 42 mm | 1,500 kg | 1,150 W | 1,200 W | I 600 rpm | I 380 rpm (1,150 W) | 19.05 mm | |
| 13.5 kg * | 170 x 85 x 48 mm | 1,850 kg | 1,250 W | 1,375 W | I 100 - 280 rpm II 185 - 530 rpm | I 250 rpm (1,250 W) II 460 rpm (1,250 W) | MT2 19.05 mm | |
| 12 kg * | 160 x 80 x 42 mm | 1,700 kg | 1,250 W | 1,300 W | I 315 rpm II 690 rpm | I 235 rpm (1,250 W) II 415 rpm (1,250 W) | MT3 19.05 mm | |
| 12.9 kg * | 168 x 84 x 49 mm | 1,850 kg | 1,600 W | 1,700 W | I 60 - 275 rpm II 100 - 500 rpm | I 60 - 275 rpm (1,600 W) II 100 - 500 rpm (1,600 W) | MT3 19.05 mm | |
| 15.4 kg * | 168 x 84 x 49 mm | 1,850 kg | 1,600 W | 1,700 W | I 60 - 275 rpm II 100 - 500 rpm | I 60 - 275 rpm (1,600 W) II 100 - 500 rpm (1,600 W) | MT3 19.05 mm | |
| 12.9 kg * | 168 x 84 x 49 mm | 1,850 kg | 1,600 W | 1,700 W | I 60 - 275 rpm II 100 - 500 rpm | I 60 - 275 rpm (1,600 W) II 100 - 500 rpm (1,600 W) | MT3 19.05 mm | |
| 26 kg * (ECO.80/4) 27,3 kg * (ECO.80s+) | 220 x 110 x 64 mm | 3,000 kg | 1,700 W | 1,800 W | I 200 rpm II 320 rpm III 415 rpm IV 650 rpm | I 150 rpm (1,700 W) II 200 rpm (1,700 W) III 275 rpm (1,700 W) IV 400 rpm (1,700 W) | MT3 19.05 mm | |
| 26 kg * | 220 x 110 x 64 mm | 3,000 kg | 1,900 W | 2,050 W | I 42 - 110 rpm II 65 - 190 rpm III 140 - 400 rpm IV 220 - 620 rpm | I 85 rpm (1,900 W) II 152 rpm (1,900 W) III 270 rpm (1,900 W) IV 480 rpm (1,900 W) | MT3 19.05 mm | Air, min. 6.3 bar (90 PSI) 1.1 m³/min |
| 27.8 kg * 31 kg (D) * | 220 x 110 x 64 mm | 3,000 kg | 1,900 W | 2,050 W | I 42 - 110 rpm II 65 - 190 rpm III 140 - 400 rpm IV 220 - 620 rpm | I 85 rpm (1,900 W) II 152 rpm (1,900 W) III 270 rpm (1,900 W) IV 480 rpm (1,900 W) | MT3 19.05 mm | |
| 53 kg | 330 x 110 x 63 mm | 3,900 kg | 3,600 W | 3,800 W | I 70 - 150 rpm II 170 - 410 rpm | I 70 - 150 rpm (3,600 W) II 170 - 410 rpm (3,600 W) | MT4 31.75 mm | |
| 7.5 kg * | 160 x 80 x 36 mm | 1,200 kg | n/d* | n/d* | n/d* | n/d* | n/d* | |
| 10.3 kg * (TUBE.30) 11 kg * (TUBE.30s+) | 187 x 165 x 83 mm | 532 kg | 900 W | 950 W | I 775 rpm | I 400 rpm (900 W) | 19.05 mm | |
| 16 kg * | 266 x 239 x 82 mm | 860 kg | 1,600 W | 1,700 W | I 60 - 275 rpm II 100 - 500 rpm | I 60 - 275 rpm (1,600 W) II 100 - 500 rpm (1,600 W) | MT3 19.05 mm | |
| 16.7 kg * | 275 x 190 x 80 mm | 1,300 kg | n/d | n/d | I 380 rpm | n/d | MT3 19.05 mm | |
| 10.3 kg * | 160 x 80 x 37 mm | 1,200 kg | 1,050 W | 1,100 W | I 700 rpm | I 400 rpm (1,050 W) | 19.05 mm | 110 - 120 V / 220 - 240 V / 50 - 60 Hz |
| 11.7 kg * | 160 x 80 x 42 mm | 1,700 kg | 1,300 W DC | 1,350 W DC | I 506 rpm | I 375 rpm (1,300 W DC) | 19.05 mm | 37 V battery 2.6 Ah li-ion |
| 16.5 kg * | 183 x 100 x 55 mm | 900 kg | n/d | n/d | I 380 rpm | | MT3 19.05 mm | Air, min. 6.3 bar (90 PSI) 1.1 m³/min |
| 12 kg * | n/d | n/d | 1,150 W | 1,200 W | I 600 rpm | I 380 rpm (1,150 W) | 19.05 mm | 110 - 120 V / 220 - 240 V / 50 - 60 Hz |
| 14.4 kg * | n/d | n/d | 1,600 W | 1,700 W | I 60 - 275 rpm II 100 - 500 rpm | I 60 - 275 rpm (1,600 W) II 100 - 500 rpm (1,600 W) | MT3 19.05 mm | |

Euroboor magnetic drilling machines



Our magnetic drilling machines are designed and engineered to the highest standards. With our many years of experience we dare to say that we know what you need. We stay in charge of today's and tomorrow's demands by being active in the field and remaining in close contact with the people that actually use our machines.

We develop, design, engineer and produce our magnetic drilling machines in-house.

We only use the best and most trustworthy suppliers or we roll up our sleeves and produce the required parts ourselves. The same applies for all our drills and cutters.

Every stage in the production process is subjected to stringent durability tests, and pre-shipment inspections are equally

meticulous. Only thus can we ensure you our core values: Efficiency, Focus, Quality, and Safety.

We pride ourselves on our line-up of magnetic drilling machines ranging from small scale fabrication to special purposes and designed to offer you the best possible options. Regardless of your company size, specialism or tasks at hand, you will find the perfect match at Euroboor.





Safety features explained

Magnet LED-indicator



The control panel on your magnetic drilling machine is designed for maximum ease of use and safety. Here you can find the magnet LED-indicator. There are two options:



SENSORTEC

The LED-indicator lights up **GREEN** when the generated magnetic force is sufficient. You can now safely start your drilling job.

The LED-indicator lights up **RED** when the generated magnetic force is insufficient due to:

- Surface not being flat
- Workpiece not being magnetisable (e.g. aluminium)
- Workpiece is coated or painted
- Workpiece is not thick enough

If resolving the above doesn't help, the magnet doesn't function properly. Don't start your drilling job, but have your machine checked and serviced.

Gyro-Tec safety



Gyro-Tec safety features a gyroscopic sensor which detects acceleration and displacement in any direction. The **Gyro-Tec** safety feature engages three seconds after the motor is started. Whenever the machine recognises a sudden or unwanted movement the motor will be shut down automatically by the machine's electronics. This safety functionality offers extra protection in various circumstances, such as:

- Sudden loss of magnetic force while in operation
- Excessive vibration caused by incorrect drilling procedure, worn-out cutting tools, etc.
- Sudden displacement of the workpiece to which the magnetic drilling machine is attached

By the motor shutting down automatically, risk of damaging or hurting the machine, tools, workpiece and operator is reduced.

Integrated motor cable

The frame of your magnetic drilling machine is designed for maximum safety and comfort. It is provided with an ergonomic handle and part of the machines in our portfolio have an integrated motor cable. The machines with integrated cable offer increased safety as the cable is completely incorporated in the frame. This prevents the user from getting caught in the cable and the cable from tearing or snapping off. It also prevents a lot of unnecessary repairs and therefore additional costs because the user can no longer lift and carry the machine by the motor cable, which often happens in practice.



2-way magnet



The 2-way magnet saves energy when the machine is not being used. The machine sticks sufficiently at half the magnetic force, this ensures you use less energy. The magnet generates less heat which makes the lifespan of the machine is longer. Only with full magnetic force the machine can be used for drilling.

Power protection

The power protection feature is two-fold; it consists of both power fluctuation protection and power surge protection. Special safety components built into the electronics of the machine make it more reliable in situations where power supply can be of varying quality due to factors:

- Around the workplace, for example caused by switching on high power or unreliable electrical devices, a broken circuit breaker or faulty wiring
- Outside the workplace, for example caused by an instable power grid or lightning

A machine with this feature is able to cope with standard rated voltage and frequency fluctuations ranging from:

- 110 Volt to 130 Volt and 45 Hz to 65 Hz, or
- 220 Volt to 240 Volt and 45 Hz to 65 Hz reducing the probability of breakdown and minimizing down-time and repair cost.

Power fluctuation protection



When the frequency is too high (above 65 Hz) or too low (below 45 Hz), the motor will not start. If the frequency of the power supply falls outside the range during your drilling job, the motor will shut off automatically. The machine will work again normally when the normal frequency has been restored.*

Power surge protection



Beyond the rated voltage, a machine with this feature is able to cope with voltage spikes up to 4,000 Volt (1-2µs)*, which could be caused by nearby welding activities. Depending on the height of the spike, it may be necessary to replace built-in fuses, the control unit or the power switch, but other valuable parts like the motor and magnet will be protected.

Overload protection



To ensure safe use and longer lifetime of the motor the machine profits by overload protection. While you are using the machine there are different types of load levels, which correlate with the feed pressure. Once you go from close to overload to exceeding the overload limit the machine will automatically stop the motor.

Smart Restart



When the motor is in overload, the **Smart Restart** torque control technology ensures trouble-free continuation of your drilling job. When the feed pressure is reduced, the machine's electronics recognise the reduction and the motor continues within a few seconds.

Overheat protection



To prevent damage, machines with this feature are equipped with a sensor which will shut off the motor automatically when the temperature of the field coil exceeds 95° C.

*Disclaimer: Euroboor is not liable for any damage caused to the machine due to electrical problems in the workplace. Above mentioned protection is not guaranteed in all cases of voltage spikes and/or frequency fluctuations. Euroboor accepts no liability when it comes to the power protection not functioning or functioning poorly.



Carbon brushes

The carbon brushes on the magnetic drilling machine are equipped with two protective features. The purpose of both features is to schedule timely service and avoid additional costs by unexpected downtime or unnecessary part replacement.

Carbon brush wear indicator

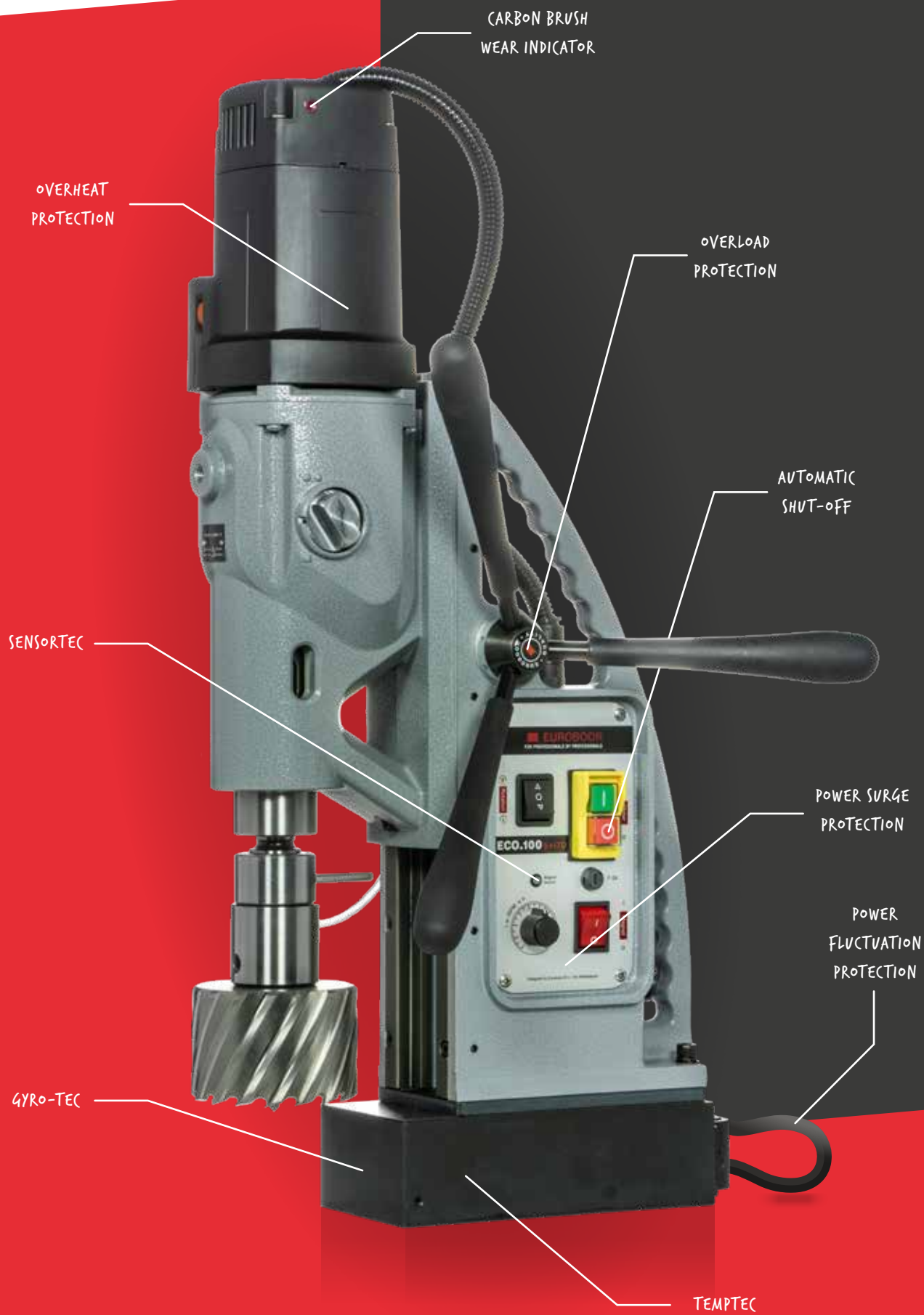


On the motor housing you will find an integrated LED light. Under normal circumstances this light is off. The LED light will start burning **RED** when the carbon brushes are worn to a level where it is advised to replace them.

Automatic shut-off



When the carbon brushes are actually worn to a level where replacement is needed, the motor will be shut-off automatically. This prevents the armature from being damaged. Once shut off, the LED-indicator is no longer lit.



ECO.30



Watch our machines in action on:
www.youtube.com/euroboorby

Technical data

| | |
|-------------------------|--------------------------|
| Annular cutting | Ø 12 - 30 mm |
| Twist drilling (Weldon) | Ø 1 - 13 mm |
| Countersinking | Ø 10 - 35 mm |
| Length | 275 mm |
| Width | 190 mm |
| Height | 293 - 383 mm |
| Stroke | 90 mm |
| Weight* | 8.5 kg |
| Magnet (l x w x h) | 160 x 80 x 37 mm |
| Magnetic force | 1,200 kg |
| Motor power | 900 W |
| Total power | 950 W |
| Speed (no load) | I 775 rpm |
| Speed (load 900 W) | I 400 rpm |
| Spindle (Weldon) | 19.05 mm (3/4") |
| Voltage | 110 - 120 V / 60 Hz |
| | 220 - 240 V / 50 - 60 Hz |

*Exclusive power cord and handles



Benefits

- Lightest Ø 30 mm magnetic drilling machine:
 - Most compact in class
 - Incredibly easy to handle
- Direct spindle drive and integrated tool cooling and lubrication
- One-speed gearbox
- Integrated slide for:
 - High accuracy
 - Enlarged lifecycle
 - Minimal vibration
- High-precision height adjustment for:
 - Low maintenance
 - Minimal wear correction
- Strong dual coil CNC machined magnet
- Reversible handles: to enable you to change the operation side of the feed handles in confined spaces
- Also available with permanent TUBE magnet for both pipe and flat material (page. 44)

Lightest Ø 30 mm
magnetic drilling
machine in the market

Features



8.5
weight



ECO.30S+



Watch our machines in action on:
www.youtube.com/euroboorby

Technical data

| | |
|-------------------------|--------------------------|
| Annular cutting | Ø 12 - 30 mm |
| Twist drilling (Weldon) | Ø 1 - 13 mm |
| Countersinking | Ø 10 - 35 mm |
| Length | 275 mm |
| Width | 190 mm |
| Height | 293 - 383 mm |
| Stroke | 90 mm |
| Weight* | 8.5 kg |
| Magnet (l x w x h) | 160 x 80 x 37 mm |
| Magnetic force | 1,200 kg |
| Motor power | 900 W |
| Total power | 950 W |
| Speed (no load) | I 775 rpm |
| Speed (load 900 W) | I 400 rpm |
| Spindle (Weldon) | 19.05 mm (3/4") |
| Voltage | 110 - 120 V / 60 Hz |
| | 220 - 240 V / 50 - 60 Hz |

*Exclusive power cord and handles

Benefits

- Lightest Ø 30 mm magnetic drilling machine:
 - Most compact in class
 - Incredibly easy to handle
- Direct spindle drive and integrated tool cooling and lubrication
- One-speed oil lubricated gearbox
- Integrated slide for:
 - High accuracy
 - Enlarged lifecycle
 - Minimal vibration
- High-precision height adjustment for:
 - Low maintenance
 - Minimal wear correction
- Strong dual coil CNC machined 2-way magnet, causing the machine to use less energy, generate less heat and therefore lasts longer
- Reversible handles: to enable you to change the operation side of the feed handles in confined spaces
- Reduced risk of damaging machine, tools and workpiece and hurting operator
- Suitable for use in areas and workplaces where power supply is of less quality
- Reduced risk of armature damage
- Reduced risk of control unit(s) damage
- Timely service notification to avoid additional cost by unexpected downtime or unnecessary part replacement

Features



Power surge protection



Power fluctuation protection



Gyro-Tec



Automatic shut-off



Oil lubricated gearbox



Carbon brush wear indicator



2-way magnet (TempTec)



8.5 weight

CARBON BRUSH
WEAR INDICATOR

AUTOMATIC
SHUT-OFF

POWER SURGE
PROTECTION

POWER
FLUCTUATION
PROTECTION

TEMPTEC

GYRO-TEC



Optimised motor efficiency and lifetime of key components due to oil lubricated gearbox

ECO.32



Watch our machines in action on:
www.youtube.com/euroboorby

Technical data

| | |
|----------------------|--------------------------|
| Annular cutting | Ø 12 - 32 mm |
| Twist drilling | Ø 1 - 13 mm |
| Countersinking | Ø 10 - 40 mm |
| Length | 320 mm |
| Width | 210 mm |
| Height | 370 - 512 mm |
| Stroke | 150 mm |
| Weight* | 11 kg |
| Magnet (l x w x h) | 160 x 80 x 42 mm |
| Magnetic force | 1,500 kg |
| Motor power | 1,000 W |
| Total power | 1,050 W |
| Speed (no load) | I 775 rpm |
| Speed (load 1,000 W) | I 440 rpm |
| Spindle (Weldon) | 19.05 mm (3/4") |
| Voltage | 110 - 120 V / 60 Hz |
| | 220 - 240 V / 50 - 60 Hz |

*Exclusive power cord and handles



Benefits

- One-speed gearbox
- Detachable spindle drive and integrated tool cooling and lubrication
- Integrated slide for:
 - High accuracy
 - Enlarged lifecycle
 - Minimal vibration
- High-precision height adjustment for:
 - Low maintenance
 - Minimal wear correction
- Strong dual coil CNC machined magnet

Features



Magnet
LED-indicator
(SensorTec)



ECO.32+



Watch our machines in action on:
www.youtube.com/euroboorby

Technical data

| | |
|----------------------|---|
| Annular cutting | Ø 12 - 32 mm |
| Twist drilling | Ø 1 - 13 mm |
| Countersinking | Ø 10 - 40 mm |
| Length | 320 mm |
| Width | 210 mm |
| Height | 370 - 512 mm |
| Stroke | 150 mm |
| Weight* | 11 kg |
| Magnet (l x w x h) | 160 x 80 x 42 mm |
| Magnetic force | 1,500 kg |
| Motor power | 1,000 W |
| Total power | 1,050 W |
| Speed (no load) | I 775 rpm |
| Speed (load 1,000 W) | I 440 rpm |
| Spindle (Weldon) | 19.05 mm (3/4") |
| Voltage | 110 - 120 V / 60 Hz 220 - 240 V / 50 - 60 Hz |

*Exclusive power cord and handles

Benefits

- One-speed gearbox
- Detachable spindle drive and integrated tool cooling and lubrication
- Integrated slide for:
 - High accuracy
 - Enlarged lifecycle
 - Minimal vibration
- High-precision height adjustment for:
 - Low maintenance
 - Minimal wear correction
- Strong dual coil CNC machined 2-way magnet, causing the machine to use less energy, generate less heat and therefore lasts longer
- Reduced risk of damaging machine, tools and workpiece and hurting operator
- Suitable for use in areas and workplaces where power supply is of less quality
- Reduced risk of armature damage
- Reduced risk of control unit(s) damage
- Timely service notification to avoid additional cost by unexpected downtime or unnecessary part replacement

CARBON BRUSH
WEAR INDICATOR



Features



Power surge protection



Power fluctuation protection



Gyro-Tec



Automatic shut-off



Carbon brush wear indicator



2-way magnet (TempTec)



Magnet LED-indicator (SensorTec)

ECO.40/2



Watch our machines in action on:
www.youtube.com/euroboorby

Technical data

| | |
|----------------------|--------------------------|
| Annular cutting | Ø 12 - 40 mm |
| Twist drilling | Ø 1 - 13 mm |
| Countersinking | Ø 10 - 45 mm |
| Length | 320 mm |
| Width | 210 mm |
| Height | 395 - 540 mm |
| Stroke | 150 mm |
| Weight* | 11.5 kg |
| Magnet (l x w x h) | 160 x 80 x 42 mm |
| Magnetic force | 1,500 kg |
| Motor power | 1,050 W |
| Total power | 1,100 W |
| Speed (no load) | I 720 rpm |
| | II 1,300 rpm |
| Speed (load 1,050 W) | I 315 rpm |
| | II 560 rpm |
| Spindle (Weldon) | 19.05 mm (3/4") |
| Voltage | 110 - 120 V / 60 Hz |
| | 220 - 240 V / 50 - 60 Hz |

*Exclusive power cord and handles

Benefits

- Particularly suitable for both annular cutting and twist drilling
- Detachable spindle drive and integrated tool cooling and lubrication
- Two-speed gearbox
- Integrated slide for:
 - High accuracy
 - Enlarged lifecycle
 - Minimal vibration
- High-precision height adjustment for:
 - Low maintenance
 - Minimal wear correction
- Strong dual coil CNC machined magnet



Shown extras not included.

Features



Magnet
LED-indicator
(SensorTec)



ECO.40/2+



Watch our machines in action on:
www.youtube.com/euroboorbv

Technical data

| | |
|----------------------|---|
| Annular cutting | Ø 12 - 40 mm |
| Twist drilling | Ø 1 - 13 mm |
| Countersinking | Ø 10 - 45 mm |
| Length | 320 mm |
| Width | 210 mm |
| Height | 395 - 540 mm |
| Stroke | 150 mm |
| Weight* | 11.5 kg |
| Magnet (l x w x h) | 160 x 80 x 42 mm |
| Magnetic force | 1,500 kg |
| Motor power | 1,050 W |
| Total power | 1,100 W |
| Speed (no load) | I 720 rpm II 1,300 rpm |
| Speed (load 1,050 W) | I 315 rpm II 560 rpm |
| Spindle (Weldon) | 19.05 mm (3/4") |
| Voltage | 110 - 120 V / 60 Hz 220 - 240 V / 50 - 60 Hz |

*Exclusive power cord and handles

Benefits

- Particularly suitable for both annular cutting and twist drilling
- Detachable spindle drive and integrated tool cooling and lubrication
- Two-speed gearbox
- Integrated slide for:
 - High accuracy
 - Enlarged lifecycle
 - Minimal vibration
- High-precision height adjustment for:
 - Low maintenance
 - Minimal wear correction
- Strong dual coil CNC machined magnet
- Reduced risk of damaging machine, tools and workpiece and hurting operator
- Suitable for use in areas and workplaces where power supply is of less quality
- Reduced risk of armature damage
- Reduced risk of control unit(s) damage
- Timely service notification to avoid additional cost by unexpected downtime or unnecessary part replacement



Shown extras not included.

Features



Power surge protection



Power fluctuation protection



Gyro-Tec



Automatic shut-off



Carbon brush wear indicator



Magnet LED-indicator (SensorTec)

ECO.40S



Watch our machines in action on:
www.youtube.com/euroboorby

Technical data

| | |
|----------------------|--------------------------|
| Annular cutting | Ø 12 - 40 mm |
| Twist drilling | Ø 1 - 16 mm |
| Countersinking | Ø 10 - 45 mm |
| Length | 264 mm |
| Width | 180 mm |
| Height | 360 - 440 mm |
| Stroke | 145 mm |
| Weight* | 10.5 kg |
| Magnet (l x w x h) | 160 x 80 x 42 mm |
| Magnetic force | 1,500 kg |
| Motor power | 1,150 W |
| Total power | 1,200 W |
| Speed (no load) | I 600 rpm |
| Speed (load 1,150 W) | I 380 rpm |
| Spindle (Weldon) | 19.05 mm (3/4") |
| Voltage | 110 - 120 V / 60 Hz |
| | 220 - 240 V / 50 - 60 Hz |

*Exclusive power cord and handles



Benefits

- Lightest Ø 40 mm magnetic drilling machine
- Fits cutters up to 110 mm DoC
- High-efficiency motor with less heat generation
- High-accuracy capstan hub
- Direct spindle drive and integrated tool cooling and lubrication
- One-speed oil lubricated gearbox
- Integrated slide for:
 - High accuracy
 - Enlarged lifecycle
 - Minimal vibration
- High-precision height adjustment for:
 - Low maintenance
 - Minimal wear correction
- Strong dual coil CNC machined magnet
- Reversible handles: to enable you to change the operation side of the feed handles in confined spaces

**Lightest Ø 40 mm
magnetic drilling
machine in the market**

Features



Oil lubricated
gearbox



Magnet
LED-indicator
(SensorTec)



**Optimised motor efficiency
and lifetime of key
components due to oil
lubricated gearbox**



ECO.40S+



Watch our machines in action on:
www.youtube.com/euroboorby

Technical data

| | |
|----------------------|---|
| Annular cutting | Ø 12 - 40 mm |
| Twist drilling | Ø 1 - 16 mm |
| Countersinking | Ø 10 - 45 mm |
| Length | 264 mm |
| Width | 180 mm |
| Height | 360 - 440 mm |
| Stroke | 145 mm |
| Weight* | 10.5 kg |
| Magnet (l x w x h) | 160 x 80 x 42 mm |
| Magnetic force | 1,500 kg |
| Motor power | 1,150 W |
| Total power | 1,200 W |
| Speed (no load) | I 600 rpm |
| Speed (load 1,150 W) | I 380 rpm |
| Spindle (Weldon) | 19.05 mm (3/4") |
| Voltage | 110 - 120 V / 60 Hz 220 - 240 V / 50 - 60 Hz |

*Exclusive power cord and handles

Benefits

- Integrated motor cable
- Lightest Ø 40 mm magnetic drilling machine
- Fits cutters up to 110 mm DoC
- High-efficiency motor with less heat generation
- High-accuracy capstan hub
- Direct spindle drive and integrated tool cooling and lubrication
- One-speed oil lubricated gearbox
- Integrated slide for:
 - High accuracy
 - Enlarged lifecycle
 - Minimal vibration
- High-precision height adjustment for:
 - Low maintenance
 - Minimal wear correction
- Strong dual coil CNC machined 2-way magnet, causing the machine to use less energy, generate less heat and therefore lasts longer
- Reduced risk of damaging machine, tools and workpiece and hurting operator
- Suitable for use in areas and workplaces where power supply is of less quality
- Reduced risk of armature damage
- Reduced risk of control unit(s) damage
- Timely service notification to avoid additional cost by unexpected downtime or unnecessary part replacement
- Reversible handles: to enable you to change the operation side of the feed handles in confined spaces

Features



Power surge protection



Power fluctuation protection



Gyro-Tec



Automatic shut-off



Oil lubricated gearbox



Carbon brush wear indicator



2-way magnet (TempTec)



Magnet LED-indicator (SensorTec)



Optimised motor efficiency and lifetime of key components due to oil lubricated gearbox

ECO.50-T



Watch our machines in action on:
www.youtube.com/euroboorby

Technical data

| | |
|----------------------|--------------------------|
| Annular cutting | Ø 12 - 50 mm |
| Twist drilling | Ø 1 - 23 mm |
| Countersinking | Ø 10 - 55 mm |
| Tapping | M3 - M20 |
| Length | 320 mm |
| Width | 210 mm |
| Height | 385 - 540 mm |
| Stroke | 170 mm |
| Weight* | 13.5 kg |
| Magnet (l x w x h) | 170 x 85 x 48 mm |
| Magnetic force | 1,850 kg |
| Motor power | 1,250 W |
| Total power | 1,375 W |
| Speed (no load) | I 100 - 280 rpm |
| | II 185 - 530 rpm |
| Speed (load 1,250 W) | I 250 rpm |
| | II 460 rpm |
| Spindle (Weldon) | MT2 19.05 mm (3/4") |
| Voltage | 110 - 120 V / 60 Hz |
| | 220 - 240 V / 50 - 60 Hz |

*Exclusive power cord and handles



Benefits

- Particularly suitable for tapping
- Two-speed gearbox
- Morse Taper 2 spindle with integrated tool cooling and lubrication
- Two-speed gearbox
- Integrated slide for:
 - High accuracy
 - Enlarged lifecycle
 - Minimal vibration
- High-precision height adjustment for:
 - Low maintenance
 - Minimal wear correction
- Strong dual coil CNC machined magnet

Features



Adjustable speed



R/L rotation



Overheat protection



Magnet LED-indicator (SensorTec)



Tapping



ECO.50+/T



Watch our machines in action on:
www.youtube.com/euroboorby

Technical data

| | |
|----------------------|---|
| Annular cutting | Ø 12 - 50 mm |
| Twist drilling | Ø 1 - 23 mm |
| Countersinking | Ø 10 - 55 mm |
| Tapping | M3 - M20 |
| Length | 320 mm |
| Width | 210 mm |
| Height | 385 - 540 mm |
| Stroke | 170 mm |
| Weight* | 13.5 kg |
| Magnet (l x w x h) | 170 x 85 x 48 mm |
| Magnetic force | 1,850 kg |
| Motor power | 1,250 W |
| Total power | 1,375 W |
| Speed (no load) | I 100 - 280 rpm II 185 - 530 rpm |
| Speed (load 1,250 W) | I 250 rpm II 460 rpm |
| Spindle (Weldon) | MT2 19.05 mm (3/4") |
| Voltage | 110 - 120 V / 60 Hz 220 - 240 V / 50 - 60 Hz |

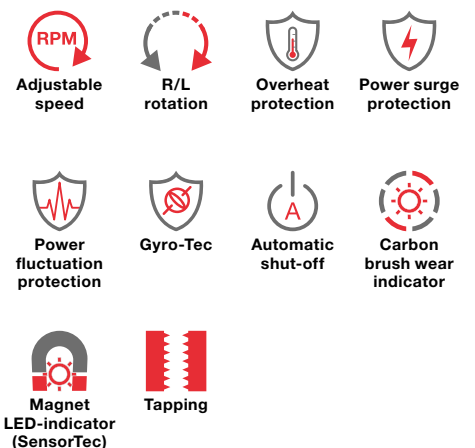
*Exclusive power cord and handles

Benefits

- Particularly suitable for tapping
- Two-speed gearbox
- Morse Taper 2 spindle with integrated tool cooling and lubrication
- Two-speed gearbox
- Integrated slide for:
 - High accuracy
 - Enlarged lifecycle
 - Minimal vibration
- High-precision height adjustment for:
 - Low maintenance
 - Minimal wear correction
- Strong dual coil CNC machined magnet
- Reduced risk of damaging machine, tools and workpiece and hurting operator
- Suitable for use in areas and workplaces where power supply is of less quality
- Reduced risk of armature damage
- Reduced risk of control unit(s) damage
- Timely service notification to avoid additional cost by unexpected downtime or unnecessary part replacement



Features



ECO.50S



Watch our machines in action on:
www.youtube.com/euroboorby

Technical data

| | |
|----------------------|---|
| Annular cutting | Ø 12 - 50 mm |
| Twist drilling | Ø 1 - 23 mm |
| Countersinking | Ø 10 - 55 mm |
| Length | 320 mm |
| Width | 200 mm |
| Height | 445 - 615 mm |
| Stroke | 170 mm |
| Weight* | 12 kg |
| Magnet (l x w x h) | 160 x 80 x 42 mm |
| Magnetic force | 1,700 kg |
| Motor power | 1,250 W |
| Total power | 1,300 W |
| Speed (no load) | I 315 rpm II 690 rpm |
| Speed (load 1,250 W) | I 235 rpm II 415 rpm |
| Spindle (Weldon) | MT3 19.05 mm (3/4") |
| Voltage | 110 - 120 V / 60 Hz 220 - 240 V / 50 - 60 Hz |

*Exclusive power cord and handles

Benefits

- High-accuracy capstan hub
- Morse Taper 3 spindle with integrated tool cooling and lubrication
- Two-speed oil lubricated gearbox
 - High accuracy
 - Enlarged lifecycle
 - Minimal vibration
- High-precision height adjustment for:
 - Low maintenance
 - Minimal wear correction
- Strong dual coil CNC machined magnet



Features



Oil lubricated
gearbox



Magnet
LED-indicator
(SensorTec)



Optimised motor efficiency
and lifetime of key
components due to oil
lubricated gearbox



ECO.50S+



Watch our machines in action on:
www.youtube.com/euroboorby

Technical data

| | |
|----------------------|---|
| Annular cutting | Ø 12 - 50 mm |
| Twist drilling | Ø 1 - 23 mm |
| Countersinking | Ø 10 - 55 mm |
| Length | 320 mm |
| Width | 200 mm |
| Height | 445 - 615 mm |
| Stroke | 170 mm |
| Weight* | 12 kg |
| Magnet (l x w x h) | 160 x 80 x 42 mm |
| Magnetic force | 1,700 kg |
| Motor power | 1,250 W |
| Total power | 1,300 W |
| Speed (no load) | I 315 rpm II 690 rpm |
| Speed (load 1,250 W) | I 235 rpm II 415 rpm |
| Spindle (Weldon) | MT3 19.05 mm (3/4") |
| Voltage | 110 - 120 V / 60 Hz 220 - 240 V / 50 - 60 Hz |

*Exclusive power cord and handles

Benefits

- High-accuracy capstan hub
- Morse Taper 3 spindle with integrated tool cooling and lubrication
- Two-speed oil lubricated gearbox
- Integrated slide for:
 - High accuracy
 - Enlarged lifecycle
 - Minimal vibration
- High-precision height adjustment for:
 - Low maintenance
 - Minimal wear correction
- Strong dual coil CNC machined 2-way magnet, causing the machine to use less energy, generate less heat and therefore lasts longer
- Reduced risk of damaging machine, tools and workpiece and hurting operator
- Suitable for use in areas and workplaces where power supply is of less quality
- Reduced risk of armature damage
- Reduced risk of control unit(s) damage
- Timely service notification to avoid additional cost by unexpected downtime or unnecessary part replacement

Features



Power surge protection



Power fluctuation protection



Gyro-Tec



Automatic shut-off



Oil lubricated gearbox



Carbon brush wear indicator



2-way magnet (TempTec)



Magnet LED-indicator (SensorTec)

CARBON BRUSH
WEAR INDICATOR

AUTOMATIC
SHUT-OFF

SENSETEC

POWER SURGE
PROTECTION

POWER
FLUCTUATION
PROTECTION

GYRO-TEC

TEMPTec



Optimised motor efficiency and lifetime of key components due to oil lubricated gearbox



Drilling as efficiently as you possibly can!

Euroboor's magnetic drilling machines that truly match your level of professionalism. There is no doubt your needs for fully assisted and fastest drilling with the highest accuracy are being met by our **ECO.55S/T**, **ECO.55s+/T** and **ECO.55s+/TA**



Top features

LED load indicators and digital display with Smart Restart technology

Easily accessible carbon brushes

When replacement is needed the motor will be shut-off automatically

Oil lubricated gearbox

Maximum lubrication

Integrated slide and gearbox system

- High accuracy
- Sturdy design enlarges lifecycle
- Minimal vibration

Automatic drill functionality with automatic return on the ECO.55s+/TA
(Only for annular cutting)

Z-profile guide rails

Maximum contact surface

Clear and easy controls

With RPM dial and right/left rotation functionality



LED load indicators



1. Machine is on.
No load.



3. When drilling.
Acceptable overload.



2. Start drilling.
Ideal working load.



4. Close to overload.
Reduce pressure.

* Smart Restart

When the motor is in overload, the Smart Restart torque control technology (🚫) ensures trouble-free continuation of your drilling job. When the feed pressure is reduced, the machine's electronics recognises the reduction and the motor continues. This benefits your drilling process, saves time and prevents excessive tool wear and failure.

🚫 A flashing red light with beeping sound means the overload limit is exceeded. The motor halts.*

ECO.55S/T



Watch our machines in action on:
www.youtube.com/euroboorby

Technical data

| | |
|----------------------|--------------------------|
| Annular cutting | Ø 12 - 55 mm |
| Twist drilling | Ø 1 - 23 mm |
| Countersinking | Ø 10 - 60 mm |
| Tapping | M3 - M20 |
| Length | 320 mm |
| Width | 200 mm |
| Height | 490 - 660 mm |
| Stroke | 170 mm |
| Weight* | 12.9 kg |
| Magnet (l x w x h) | 168 x 84 x 49 mm |
| Magnetic force | 1,850 kg |
| Motor power | 1,600 W |
| Total power | 1,700 W |
| Speed (no load) | I 60 - 275 rpm |
| | II 100 - 500 rpm |
| Speed (load 1,600 W) | I 60 - 275 rpm |
| | II 100 - 500 rpm |
| Spindle (Weldon) | MT3 19.05 mm (3/4") |
| Voltage | 110 - 120 V / 60 Hz |
| | 220 - 240 V / 50 - 60 Hz |












*Exclusive power cord and handles



Benefits

- Particularly suitable for tapping
- Easily accessible carbon brushes. Motor will automatically shut-off in case of replacement
- High-accuracy capstan hub
- Morse Taper 3 spindle with integrated tool cooling and lubrication
- Two-speed oil lubricated gearbox
- Integrated slide for:
 - High accuracy
 - Enlarged lifecycle
 - Minimal vibration
- High-precision height adjustment for:
 - Low maintenance
 - Minimal wear correction
- Strong dual coil CNC machined magnet
- Also available with permanent TUBE magnet for both pipe and flat material (page. 46)

Features

-  Adjustable speed
-  R/L rotation
-  Overload protection
-  Overheat protection
-  Automatic shut-off
-  Smart Restart
-  Oil lubricated gearbox
-  Digital display
-  LED load indicators
-  Magnet LED-indicator (SensorTec)
-  Tapping



Optimised motor efficiency and lifetime of key components due to oil lubricated gearbox



ECO.55S+/T



Watch our machines in action on:
www.youtube.com/euroboorby

Technical data

| | |
|----------------------|--------------------------|
| Annular cutting | Ø 12 - 55 mm |
| Twist drilling | Ø 1 - 23 mm |
| Countersinking | Ø 10 - 60 mm |
| Tapping | M3 - M20 |
| Length | 320 mm |
| Width | 200 mm |
| Height | 490 - 660 mm |
| Stroke | 170 mm |
| Weight* | 12.9 kg |
| Magnet (l x w x h) | 168 x 84 x 49 mm |
| Magnetic force | 1,850 kg |
| Motor power | 1,600 W |
| Total power | 1,700 W |
| Speed (no load) | I 60 - 275 rpm |
| | II 100 - 500 rpm |
| Speed (load 1,600 W) | I 60 - 275 rpm |
| | II 100 - 500 rpm |
| Spindle (Weldon) | MT3 19.05 mm (3/4") |
| Voltage | 110 - 120 V / 60 Hz |
| | 220 - 240 V / 50 - 60 Hz |

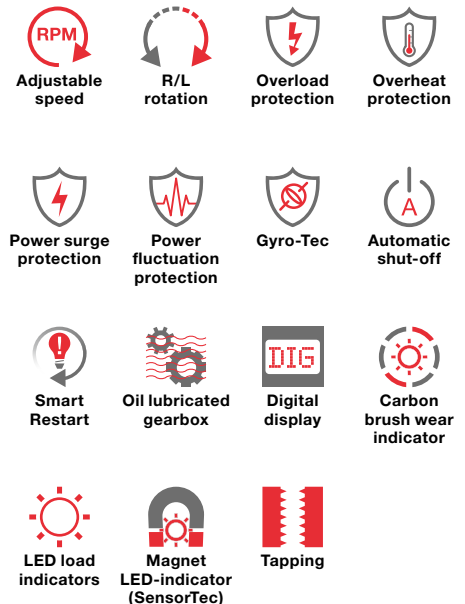
*Exclusive power cord and handles



Benefits

- Particularly suitable for tapping
- Easily accessible carbon brushes. Motor will automatically shut-off in case of replacement
- High-accuracy capstan hub
- Morse Taper 3 spindle with integrated tool cooling and lubrication
- Two-speed oil lubricated gearbox
- Integrated slide for:
 - High accuracy
 - Enlarged lifecycle
 - Minimal vibration
- High-precision height adjustment for:
 - Low maintenance
 - Minimal wear correction
- Strong dual coil CNC machined magnet
- Reduced risk of damaging machine, tools and workpiece and hurting operator
- Suitable for use in areas and workplaces where power supply is of less quality
- Reduced risk of armature damage
- Reduced risk of control unit(s) damage
- Timely service notification to avoid additional cost by unexpected downtime or unnecessary part replacement

Features



Optimised motor efficiency and lifetime of key components due to oil lubricated gearbox





ECO.55S+/TA



Watch our machines in action on:
www.youtube.com/euroboorbv

Technical data

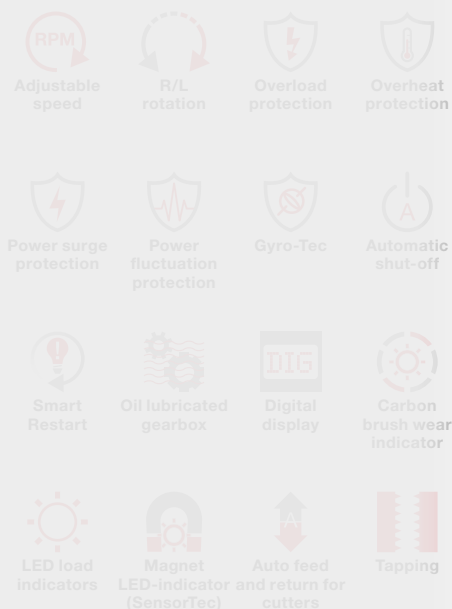
| | |
|----------------------|---|
| Annular cutting | Ø 12 - 55 mm |
| Twist drilling | Ø 1 - 23 mm |
| Countersinking | Ø 10 - 60 mm |
| Tapping | M3 - M20 |
| Length | 320 mm |
| Width | 200 mm |
| Height | 490 - 660 mm |
| Stroke | 170 mm |
| Weight* | 13.75 kg |
| Magnet (l x w x h) | 168 x 84 x 49 mm |
| Magnetic force | 1,850 kg |
| Motor power | 1,600 W |
| Total power | 1,700 W |
| Speed (no load) | I 60 - 275 rpm II 100 - 500 rpm |
| Speed (load 1,600 W) | I 60 - 275 rpm II 100 - 500 rpm |
| Spindle (Weldon) | MT3 19.05 mm |
| Voltage | 110 - 120 V 60 Hz 220 - 240 V 50/60 Hz |

*Exclusive power cord and

Benefits

- Particularly suitable for tapping
 - Easily accessible carbon brushes. Motor will automatically shut-off in case of replacement
 - High-accuracy capstan hub
 - Morse Taper 3 spindle with integrated tool cooling and lubrication
 - Integrated slip and speed oil lubricated gearbox for:
 - High accuracy
 - Easy maintenance
 - Minimal vibration
 - High precision height adjustment for:
 - Load enhance
 - Minimal wear correction
 - Strong dual coil CNC machined magnet
 - Reduced risk of damaging machine, tools and workpiece and hurting operator
- Suitable for use in areas and workplaces where power supply is of less quality
- Reduced risk of armature damage
 - Reduced risk of control unit(s) damage
 - Timely service notification to avoid additional cost by unexpected downtime or unnecessary part replacement

Features



Optimised motor efficiency and lifetime of key components due to oil lubricated gearbox

ECO.60S



Watch our machines in action on:
www.youtube.com/euroboorby

Technical data

| | |
|----------------------|--------------------------|
| Annular cutting | Ø 12 - 60 mm |
| Twist drilling | Ø 1 - 23 mm |
| Countersinking | Ø 10 - 65 mm |
| Length | 320 mm |
| Width | 200 mm |
| Height | 452 - 622 mm |
| Stroke | 170 mm |
| Weight* | 12.9 kg |
| Magnet (l x w x h) | 168 x 84 x 49 mm |
| Magnetic force | 1,850 kg |
| Motor power | 1,600 W |
| Total power | 1,700 W |
| Speed (no load) | I 60 - 275 rpm |
| | II 100 - 500 rpm |
| Speed (load 1,600 W) | I 60 - 275 rpm |
| | II 100 - 500 rpm |
| Spindle (Weldon) | MT3 19.05 mm (3/4") |
| Voltage | 110 - 120 V / 60 Hz |
| | 220 - 240 V / 50 - 60 Hz |

*Exclusive power cord and handles



Benefits

- High-accuracy capstan hub
- Morse Taper 3 spindle with integrated tool cooling and lubrication
- Two-speed oil lubricated gearbox
- Integrated slide for:
 - High accuracy
 - Enlarged lifecycle
 - Minimal vibration
- High-precision height adjustment for:
 - Low maintenance
 - Minimal wear correction
- Strong dual coil CNC machined magnet

Features



Adjustable
speed



Overheat
protection



Automatic
shut-off



Oil lubricated
gearbox



Magnet
LED-indicator
(SensorTec)



Optimised motor efficiency
and lifetime of key
components due to oil
lubricated gearbox



ECO.60S+



Watch our machines in action on:
www.youtube.com/euroboorby

Technical data

| | |
|----------------------|--------------------------|
| Annular cutting | Ø 12 - 60 mm |
| Twist drilling | Ø 1 - 23 mm |
| Countersinking | Ø 10 - 65 mm |
| Length | 320 mm |
| Width | 200 mm |
| Height | 452 - 622 mm |
| Stroke | 170 mm |
| Weight* | 12.9 kg |
| Magnet (l x w x h) | 168 x 84 x 49 mm |
| Magnetic force | 1,850 kg |
| Motor power | 1,600 W |
| Total power | 1,700 W |
| Speed (no load) | I 60 - 275 rpm |
| | II 100 - 500 rpm |
| Speed (load 1,600 W) | I 60 - 275 rpm |
| | II 100 - 500 rpm |
| Spindle (Weldon) | MT3 19.05 mm (3/4") |
| Voltage | 110 - 120 V / 60 Hz |
| | 220 - 240 V / 50 - 60 Hz |

*Exclusive power cord and handles

Benefits

- High-accuracy capstan hub
- Morse Taper 3 spindle with integrated tool cooling and lubrication
- Two-speed oil lubricated gearbox
- Integrated slide for:
 - High accuracy
 - Enlarged lifecycle
 - Minimal vibration
- High-precision height adjustment for:
 - Low maintenance
 - Minimal wear correction
- Strong dual coil CNC machined magnet
- Reduced risk of damaging machine, tools and workpiece and hurting operator
- Suitable for use in areas and workplaces where power supply is of less quality
- Reduced risk of armature damage
- Reduced risk of control unit(s) damage
- Timely service notification to avoid additional cost by unexpected downtime or unnecessary part replacement

Features



Adjustable speed



Overheat protection



Power surge protection



Power fluctuation protection



Gyro-Tec



Automatic shut-off



Oil lubricated gearbox



Carbon brush wear indicator



Magnet LED-indicator (SensorTec)

CARBON BRUSH WEAR INDICATOR

OVERHEAT PROTECTION

SENSORTEC

AUTOMATIC SHUT-OFF

POWER SURGE PROTECTION

POWER FLUCTUATION PROTECTION

GYRO-TEC



Optimised motor efficiency and lifetime of key components due to oil lubricated gearbox

ECO.80/4



Watch our machines in action on:
www.youtube.com/euroboorby

Technical data

| | |
|----------------------|--------------------------|
| Annular cutting | Ø 12 - 80 mm |
| Twist drilling | Ø 1 - 31.75 mm |
| Countersinking | Ø 10 - 85 mm |
| Length | 365 mm |
| Width | 310 mm |
| Height | 510 - 710 mm |
| Stroke | 260 mm |
| Weight* | 26 kg |
| Magnet (l x w x h) | 220 x 110 x 64 mm |
| Magnetic force | 3,000 kg |
| Motor power | 1,700 W |
| Total power | 1,800 W |
| Speed (no load) | I 200 rpm |
| | II 300 rpm |
| | III 415 rpm |
| | IV 650 rpm |
| Speed (load 1,700 W) | I 150 rpm |
| | II 200 rpm |
| | III 275 rpm |
| | IV 400 rpm |
| Spindle (Weldon) | MT3 19.05 mm (3/4")** |
| Voltage | 110 - 120 V / 60 Hz |
| | 220 - 240 V / 50 - 60 Hz |

*Exclusive power cord and handles

Benefits

- Four-speed gearbox
- Morse Taper 3 spindle with integrated tool cooling and lubrication
- Strong dual coil CNC machined magnet



Features



Overheat
protection



Magnet
LED-indicator
(SensorTec)

** Optional with 31.75 mm



ECO.80S+



Watch our machines in action on:
www.youtube.com/euroboorbv

Technical data

| | |
|----------------------|--------------------------|
| Annular cutting | Ø 12 - 80 mm |
| Twist drilling | Ø 1 - 31.75 mm |
| Countersinking | Ø 10 - 85 mm |
| Length | 365 mm |
| Width | 310 mm |
| Height | 510 - 710 mm |
| Stroke | 260 mm |
| Weight* | 27.3 kg |
| Magnet (l x w x h) | 220 x 110 x 64 mm |
| Magnetic force | 3,000 kg |
| Motor power | 1,700 W |
| Total power | 1,800 W |
| Speed (no load) | I 200 rpm |
| | II 300 rpm |
| | III 415 rpm |
| | IV 650 rpm |
| Speed (load 1,700 W) | I 150 rpm |
| | II 200 rpm |
| | III 275 rpm |
| | IV 400 rpm |
| Spindle (Weldon) | MT3 19.05 mm (3/4")** |
| Voltage | 110 - 120 V / 60 Hz |
| | 220 - 240 V / 50 - 60 Hz |

*Exclusive power cord and handles

Benefits

- Four-speed oil lubricated gearbox
- Morse Taper 3 spindle with integrated tool cooling and lubrication
- Strong dual coil CNC machined 2-way magnet, causing the machine to use less energy, generate less heat and therefore lasts longer
- Reduced risk of damaging machine, tools and workpiece and hurting operator
- Suitable for use in areas and workplaces where power supply is of less quality
- Reduced risk of armature damage
- Reduced risk of control unit(s) damage
- Timely service notification to avoid additional cost by unexpected downtime or unnecessary part replacement

Features



Overheat protection



Power surge protection



Power fluctuation protection



Gyro-Tec



Automatic shut-off



Oil lubricated gearbox



Carbon brush wear indicator



2-way magnet (TempTec)



Magnet LED-indicator (SensorTec)



Optimised motor efficiency and lifetime of key components due to oil lubricated gearbox

** Optional with 31.75 mm

ECO.100/4



Watch our machines in action on:
www.youtube.com/euroboorby

Technical data

| | |
|----------------------|--------------------------|
| Annular cutting | Ø 12 - 100 mm |
| Twist drilling | Ø 1 - 31.75 mm |
| Countersinking | Ø 10 - 105 mm |
| Tapping | M3 - M30 |
| Length | 365 mm |
| Width | 310 mm |
| Height | 510 - 710 mm |
| Stroke | 260 mm |
| Weight* | 26.5 kg |
| Magnet (l x w x h) | 220 x 110 x 64 mm |
| Magnetic force | 3,000 kg |
| Motor power | 1,900 W |
| Total power | 2,050 W |
| Speed (no load) | I 42 - 110 rpm |
| | II 65 - 190 rpm |
| | III 140 - 400 rpm |
| | IV 220 - 620 rpm |
| Speed (load 1,900 W) | I 85 rpm |
| | II 152 rpm |
| | III 270 rpm |
| | IV 480 rpm |
| Spindle (Weldon) | MT3 19.05 mm (3/4") |
| Voltage | 110 - 120 V / 60 Hz |
| | 220 - 240 V / 50 - 60 Hz |

*Exclusive power cord and handles



Benefits

- Particularly suitable for tapping
- Four-speed gearbox
- Morse Taper 3 spindle with integrated tool cooling and lubrication
- Strong dual coil CNC machined magnet

Features



Adjustable speed



Torque control



R/L rotation



Overheat protection



Magnet LED-indicator (SensorTec)



Tapping



ECO.100S+/T



Watch our machines in action on:
www.youtube.com/euroboorbv

Technical data

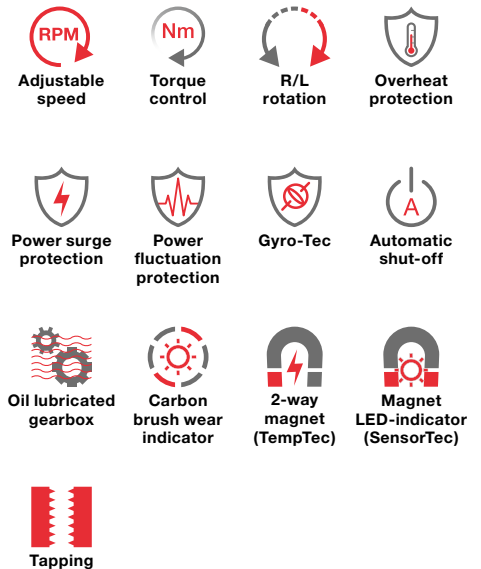
| | |
|----------------------|--------------------------|
| Annular cutting | Ø 12 - 100 mm |
| Twist drilling | Ø 1 - 31.75 mm |
| Countersinking | Ø 10 - 105 mm |
| Tapping | M3 - M30 |
| Length | 365 mm |
| Width | 310 mm |
| Height | 510 - 710 mm |
| Stroke | 260 mm |
| Weight* | 27.8 kg |
| Magnet (l x w x h) | 220 x 110 x 64 mm |
| Magnetic force | 3,000 kg |
| Motor power | 1,900 W |
| Total power | 2,050 W |
| Speed (no load) | I 42 - 110 rpm |
| | II 65 - 190 rpm |
| | III 140 - 400 rpm |
| | IV 220 - 620 rpm |
| Speed (load 1,900 W) | I 85 rpm |
| | II 152 rpm |
| | III 270 rpm |
| | IV 480 rpm |
| Spindle (Weldon) | MT3 19.05 mm (3/4") |
| Voltage | 110 - 120 V / 60 Hz |
| | 220 - 240 V / 50 - 60 Hz |

*Exclusive power cord and handles

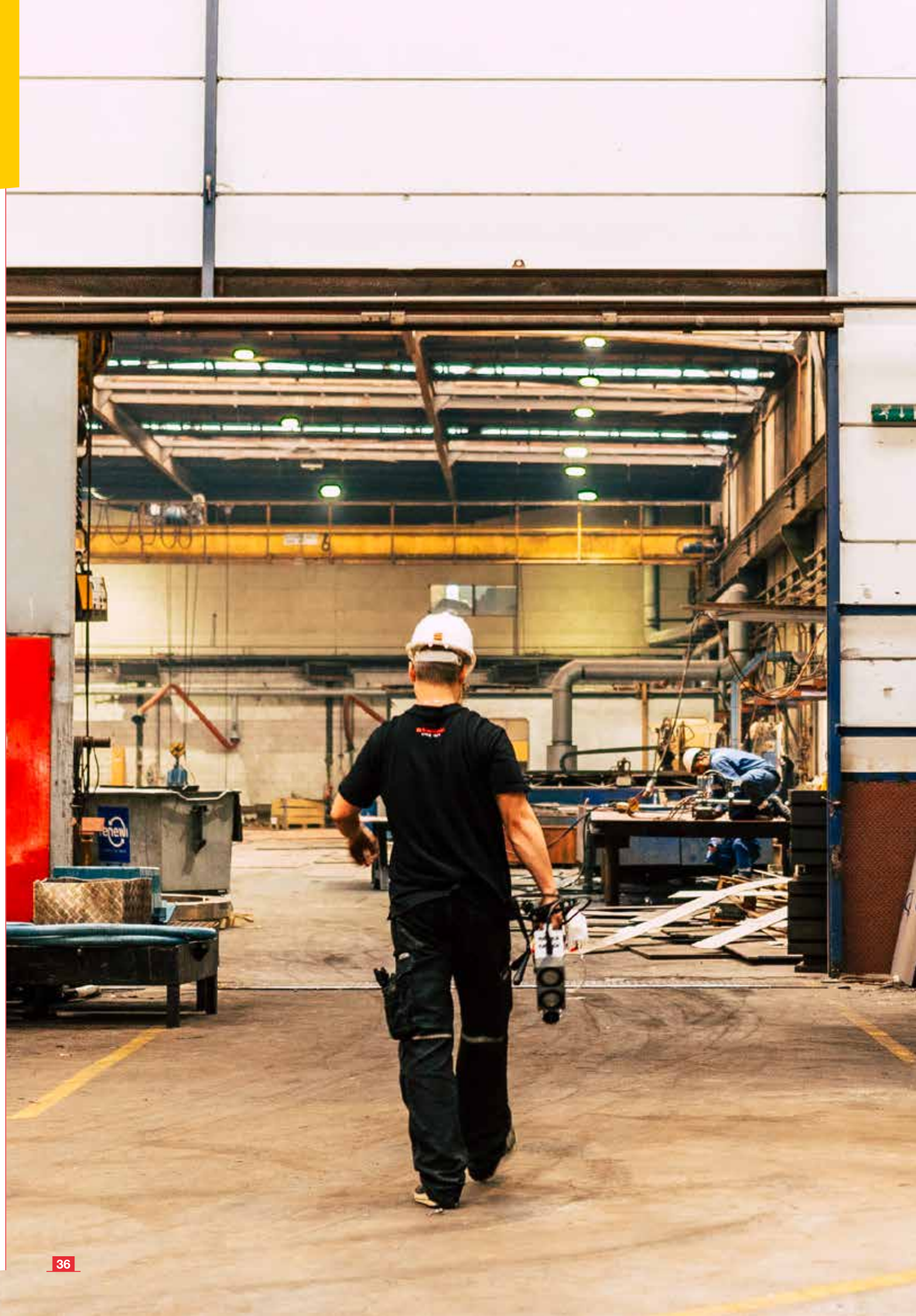
Benefits

- Particularly suitable for tapping
- Four-speed oil lubricated gearbox
- Morse Taper 3 spindle with integrated tool cooling and lubrication
- Strong dual coil CNC machined 2-way magnet, causing the machine to use less energy, generate less heat and therefore lasts longer
- Reduced risk of damaging machine, tools and workpiece and hurting operator
- Suitable for use in areas and workplaces where power supply is of less quality
- Reduced risk of armature damage
- Reduced risk of control unit(s) damage
- Timely service notification to avoid additional cost by unexpected downtime or unnecessary part replacement

Features



Optimised motor efficiency and lifetime of key components due to oil lubricated gearbox





ECO.100S+/TD



Watch our machines in action on:
www.youtube.com/euroboorbv

Technical data

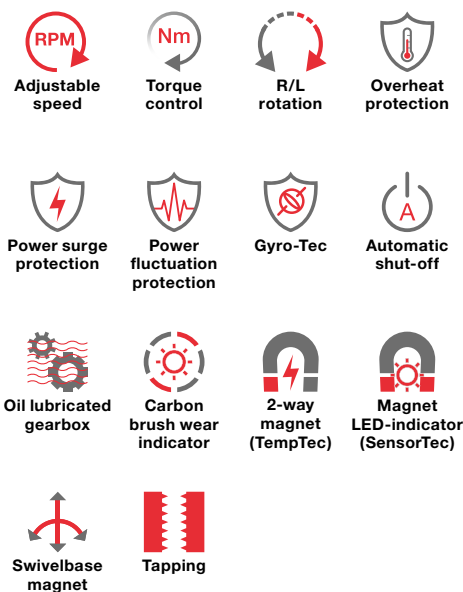
| | |
|----------------------|--------------------------|
| Annular cutting | Ø 12 - 120 mm |
| Twist drilling | Ø 1 - 31.75 mm |
| Countersinking | Ø 10 - 105 mm |
| Tapping | M3 - M30 |
| Length | 365 mm |
| Width | 310 mm |
| Height | 515 - 715 mm |
| Stroke | 260 mm |
| Weight* | 31 kg |
| Magnet (l x w x h) | 220 x 110 x 64 mm |
| Magnetic force | 3,000 kg |
| Motor power | 1,900 W |
| Total power | 2,050 W |
| Speed (no load) | I 42 - 110 rpm |
| | II 65 - 190 rpm |
| | III 140 - 400 rpm |
| | IV 220 - 620 rpm |
| Speed (load 1,900 W) | I 85 rpm |
| | II 152 rpm |
| | III 270 rpm |
| | IV 480 rpm |
| Spindle (Weldon) | MT3 19.05 mm (3/4") |
| Voltage | 110 - 120 V / 60 Hz |
| | 220 - 240 V / 50 - 60 Hz |

*Exclusive power cord and handles

Benefits

- Precise positioning swivel base, rotate the machine 30° both ways and slide 15-20 mm forward and backwards
- Particularly suitable for tapping
- Four-speed oil lubricated gearbox
- Morse Taper 3 spindle with integrated tool cooling and lubrication
- Strong dual coil CNC machined 2-way magnet, causing the machine to use less energy, generate less heat and therefore lasts longer
- Reduced risk of damaging machine, tools and workpiece and hurting operator
- Suitable for use in areas and workplaces where power supply is of less quality
- Reduced risk of armature damage
- Reduced risk of control unit(s) damage
- Timely service notification to avoid additional cost by unexpected downtime or unnecessary part replacement

Features



Optimised motor efficiency and lifetime of key components due to oil lubricated gearbox



ECO.200



Watch our machines in action on:
www.youtube.com/euroboorby

Technical data

| | |
|----------------------|--------------------------|
| Annular cutting | Ø 12 - 200 mm |
| Twist drilling | Ø 1 - 44 mm |
| Countersinking | Ø 10 - 205 mm |
| Length | 480 mm |
| Width | 260 mm |
| Height | 660 - 840 mm |
| Stroke | 180 mm |
| Weight | 53 kg |
| Magnet (l x w x h) | 330 x 110 x 63 mm |
| Magnetic force | 3,900 kg |
| Motor power | 3,600 W |
| Total power | 3,800 W |
| Speed (no load) | I 70 - 150 rpm |
| | II 170 - 410 rpm |
| Speed (load 3,600 W) | I 70 - 150 rpm |
| | II 170 - 410 rpm |
| Spindle (Weldon) | MT4 31.75 mm (1 1/4") |
| Voltage | 110 - 120 V / 60 Hz |
| | 220 - 240 V / 50 - 60 Hz |

Benefits

- Two-speed gearbox
- Integrated tool cooling and lubrication tank and fluid level indication
- Integrated safety strap and lifting shackle
- High-precision tubular rail balancer system
- Progressive feed assist
- Morse Taper 4 spindle
- Strong triple coil CNC machined magnet





F16



Watch our machines in action on:
www.youtube.com/euroboorby

Technical data

| | |
|--------------------|--------------------------|
| Twist drilling | Ø 1 - 16 mm* |
| Length | 310 mm |
| Width | 170 mm |
| Height | 325 - 495 mm |
| Stroke | 170 mm |
| Weight** | 7.5 kg |
| Magnet (l x w x h) | 160 x 80 x 36 mm |
| Magnetic force | 1,200 kg |
| Voltage | 110 - 120 V / 60 Hz |
| | 220 - 240 V / 50 - 60 Hz |

*Hand drill dependable

**Exclusive power cord and handles

Benefits

- Perfect solution for high-precision small diameter drilling tasks
- 43 mm Euro collar connection (33 mm and 38 mm filler rings included)
- Safe and easy rear mounted socket
- High-accuracy capstan hub
- High-precision height adjustment for:
 - Low maintenance
 - Minimal wear correction
- Strong dual coil CNC machined magnet
- Reversible handles: to enable you to change the operation side of the feed handles in confined spaces

Suitable for your
favorite hand drilling
machine



Mounted hand drilling machine not included.

Features



Magnet
LED-indicator
(SensorTec)



F16+



Watch our machines in action on:
www.youtube.com/euroboorby

Technical data

| | |
|--------------------|--------------------------|
| Twist drilling | Ø 1 - 16 mm* |
| Length | 310 mm |
| Width | 170 mm |
| Height | 325 - 495 mm |
| Stroke | 170 mm |
| Weight** | 7.5 kg |
| Magnet (l x w x h) | 160 x 80 x 36 mm |
| Magnetic force | 1,200 kg |
| Voltage | 110 - 120 V / 60 Hz |
| | 220 - 240 V / 50 - 60 Hz |

*Hand drill dependable

**Exclusive power cord and handles

Benefits

- Perfect solution for high-precision small diameter drilling tasks
- 43 mm Euro collar connection (33 mm and 38 mm filler rings included)
- Safe and easy rear mounted socket
- High-accuracy capstan hub
- High-precision height adjustment for:
 - Low maintenance
 - Minimal wear correction
- Strong dual coil CNC machined magnet
- Reversible handles: to enable you to change the operation side of the feed handles in confined spaces
- Reduced risk of damaging machine, tools and workpiece and hurting operator
- Suitable for use in areas and workplaces where power supply is of less quality
- Reduced risk of armature damage
- Reduced risk of control unit(s) damage
- No unexpected downtime or unnecessary part replacement

Features



Power surge
protection



Power
fluctuation
protection



Gyro-Tec



Magnet
LED-indicator
(SensorTec)



Mounted hand drilling machine not included.



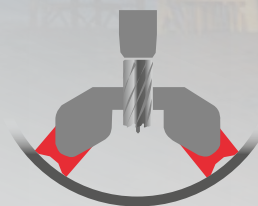
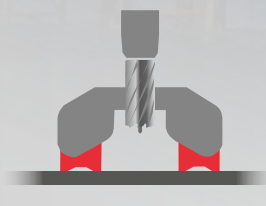
Shallow Field (SF) magnet minimal requirements 3 mm

Unique design, unique usage

Drilling high-precision holes in steel tubes and pipes has always been a hassle. Until now! "Position and use" is what you expect of a portable power tool. Forget about the time consuming process of clamping all kinds of pipe adapters to your work piece.

Meet our TUBE-serie, an innovative generation drilling machines specifically designed for drilling on curved material. By joining forces with Magswitch, technology leader in switchable magnetic technology, we have been able to develop a concept that instantly

addresses, and drastically improves work efficiency in the pipe industry. Not only will these help you save time. Its strong, powerful and sturdy design will also actively enable you to drill holes as fast as possible.



The magnets can be adjusted for the best position on round and flat surfaces. No extra accessories needed

Safe

Magnets do not require electrical power.

Light

The machines are extremely light.
TUBE.30 - 10.3 kg
TUBE.30^{S+} - 11 kg
TUBE.55S/T - 17.6 kg
TUBE.55^{S+/T} - 17.6 kg
TUBE.55/AIR - 16.7 kg

Strong

Maintains strong grip on thin steel. Minimal thickness of 3 mm.

Easy to use

Automatically conform to any pipe Ø 76.2 mm or larger in diameter.

Efficient

One tool for flat or round surfaces without the need for expensive adapters – save time and money.

TUBE.30



Watch our machines in action on:
www.youtube.com/euroboorby

Technical data

| | |
|-------------------------|--------------------------|
| Annular cutting | Ø 12 - 30 mm |
| Twist drilling (Weldon) | Ø 1 - 13 mm |
| Countersinking | Ø 10 - 35 mm |
| Length | 275 mm |
| Width | 185 mm |
| Height | 326 - 416 mm |
| Stroke | 90 mm |
| Weight* | 10.3 kg |
| Magnet (l x w x h) | 187 x 165 x 83 mm |
| Magnetic force | 532 kg |
| Min. material thickness | 3 mm |
| Min. pipe diameter | 76.2 mm |
| Motor power | 900 W |
| Total power | 950 W |
| Speed (no load) | I 775 rpm |
| Speed (load 900 W) | I 400 rpm |
| Spindle (Weldon) | 19.05 mm (3/4") |
| Voltage | 110 - 120 V / 60 Hz |
| | 220 - 240 V / 50 - 60 Hz |

*Exclusive power cord and handles

Benefits

- The magnets can be adjusted for the best position on round and flat surfaces
- High-accuracy capstan hub
- Direct spindle drive and integrated tool cooling and lubrication
- One-speed gearbox
- Integrated slide for:
 - High accuracy
 - Enlarged lifecycle
 - Minimal vibration
- High-precision height adjustment for:
 - Low maintenance
 - Minimal wear correction
- Reversible handles: to enable you to change the operation side of the feed handles in confined spaces
- Also available with permanent base magnet (page. 12)





TUBE.30s+



Watch our machines in action on:
www.youtube.com/euroboorbv

Technical data

| | |
|-------------------------|---|
| Annular cutting | Ø 12 - 30 mm |
| Twist drilling (Weldon) | Ø 1 - 13 mm |
| Countersinking | Ø 10 - 35 mm |
| Length | 275 mm |
| Width | 185 mm |
| Height | 326 - 416 mm |
| Stroke | 90 mm |
| Weight* | 11 kg |
| Magnet (l x w x h) | 187 x 165 x 83 mm |
| Magnetic force | 532 kg |
| Min. material thickness | 3 mm |
| Min. pipe diameter | 76.2 mm |
| Motor power | 900 W |
| Total power | 950 W |
| Speed (no load) | I 775 rpm |
| Speed (load 900 W) | I 400 rpm |
| Spindle (Weldon) | 19.05 mm (3/4") |
| Voltage | 110 - 120 V 50 Hz 220 - 240 V 50 - 60 Hz |

*Exclusive power cord and handle

Benefits

- The magnets can be adjusted for the best position on round and flat surfaces
- High-accuracy capstan hub
- Direct spindle drive and integrated tool cooling and lubrication
- One-speed oil lubricated gearbox
- Integrated sliding mechanism
 - High accuracy
 - Enlarge stroke cycle
 - Minimal vibration
- High-precision height adjustment for:
 - Easy maintenance
 - Minimal wear/correction
- Reversible handles: to enable you to change the operation side of the feed handles in confined spaces
- Reduced risk of damaging machine, tools and workpiece and hurting operator
- Suitable for use in areas and workplaces where power supply is of less quality
- Reduced risk of armature damage
- Reduced risk of control unit(s) damage
- Timely service notification to avoid additional cost by unexpected downtime or unnecessary part replacement
- Also available with permanent base magnet (page. 13)

Features



Power surge protection



Power fluctuation protection



Gyro-Tec



Automatic shut-off



Oil lubricated gearbox



Carbon brush wear indicator



Optimised motor efficiency and lifetime of key components due to oil lubricated gearbox

TUBE.55S/T



Watch our machines in action on:
www.youtube.com/euroboorby

Technical data

| | |
|-------------------------|--------------------------|
| Annular cutting | Ø 12 - 55 mm |
| Twist drilling | Ø 1 - 23 mm |
| Countersinking | Ø 10 - 60 mm |
| Tapping | M3 - M20 |
| Length | 320 mm |
| Width | 210 mm |
| Height | 523 - 693 mm |
| Stroke | 170 mm |
| Weight* | 16 kg |
| Magnet (l x w x h) | 266 x 239 x 82 mm |
| Magnetic force | 860 kg |
| Min. material thickness | 3 mm |
| Min. pipe diameter | 80 mm |
| Motor power | 1,600 W |
| Total power | 1,700 W |
| Speed (no load) | I 60 - 275 rpm |
| | II 100 - 500 rpm |
| Speed (load 1,600 W) | I 60 - 275 rpm |
| | II 100 - 500 rpm |
| Spindle (Weldon) | MT3 19.05 mm (3/4") |
| Voltage | 110 - 120 V / 60 Hz |
| | 220 - 240 V / 50 - 60 Hz |

*Exclusive power cord and handles

Benefits

- The magnets can be adjusted for the best position on round and flat surfaces
- Particularly suitable for tapping
- Easily accessible carbon brushes. Motor will automatically shut-off in case of replacement
- High-accuracy capstan hub
- Morse Taper 3 spindle with integrated tool cooling and lubrication
- Two-speed oil lubricated gearbox
- Integrated slide for:
 - High accuracy
 - Enlarged lifecycle
 - Minimal vibration
- High-precision height adjustment for:
 - Low maintenance
 - Minimal wear correction
- Also available with permanent base magnet (page. 26)

Features



Adjustable speed



R/L rotation



Overload protection



Overheat protection



Gyro-Tec



Smart Restart



Oil lubricated gearbox



Digital display



LED load indicators



Tapping



Optimised motor efficiency and lifetime of key components due to oil lubricated gearbox



TUBE.55S+/T



Watch our machines in action on:
www.youtube.com/euroboorbv

Technical data

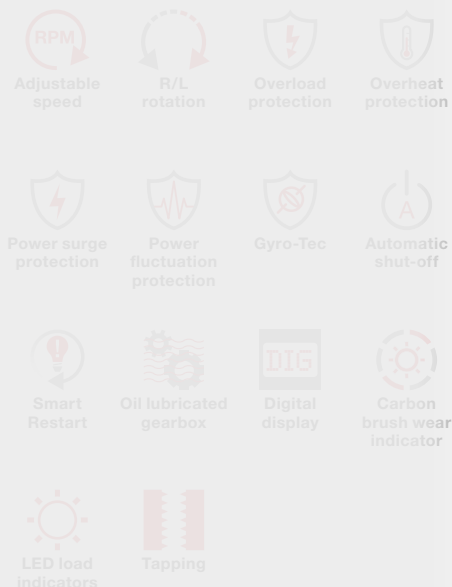
| | |
|-------------------------|--|
| Annular cutting | Ø 12 - 55 mm |
| Twist drilling | Ø 1 - 23 mm |
| Countersinking | Ø 10 - 60 mm |
| Tapping | M3 - M20 |
| Length | 320 mm |
| Width | 210 mm |
| Height | 523 - 693 mm |
| Stroke | 170 mm |
| Weight* | 16 kg |
| Magnet (l x w x h) | 266 x 239 x 82 mm |
| Magnetic force | 860 kg |
| Min. material thickness | 3 mm |
| Min. pipe diameter | 80 mm |
| Motor power | 1,600 W |
| Total power | 1,700 W |
| Speed (no load) | I 60 - 275 rpm II 100 - 500 rpm |
| Speed (load 1,600 W) | I 60 - 275 rpm II 100 - 500 rpm |
| Spindle (Weldon) | MT3 - 15 mm |
| Voltage | 110 - 120 V / 50 - 60 Hz 230 - 240 V / 50 - 60 Hz |

*Exclusive power cord and handle

Benefits

- The magnets can be adjusted for the best position on round and flat surfaces
- Particularly suitable for tapping
- Easily accessible carbon brushes. Motor will automatically shut-off in case of replacement
- High-accuracy capstan hub
- Morse Taper 3/8" with integrated tool cooling and lubrication
- Two-speed lubricated gearbox
 - High accuracy
 - Prolonged cycle
 - Minimal vibration
- Integrated slip clutch
 - Minimal wear correction
- Reduced risk of damaging machine, tools and workplace and hurting operator
- Suitable for use in areas and workplaces where power supply is of less quality
- Reduced risk of armature damage
- Reduced risk of control unit(s) damage
- Timely service notification to avoid additional cost by unexpected downtime or unnecessary part replacement

Features



Optimised motor efficiency and lifetime of key components due to oil lubricated gearbox

TUBE.55/AIR



Watch our machines in action on:
www.youtube.com/euroboorby

Technical data

| | |
|-------------------------|---|
| Annular cutting | Ø 12 - 52 mm (HSS) Ø 12 - 55 mm (TCT) |
| Twist drilling | Ø 1 - 23 mm |
| Countersinking | Ø 10 - 55 mm |
| Length | 345 mm |
| Width | 245 mm |
| Height | 630 - 730 mm |
| Stroke | 167 mm |
| Weight* | 16.7 kg |
| Magnet (l x w x h) | 275 x 190 x 80 mm |
| Magnetic force | 1,300 kg |
| Min. material thickness | 3 mm |
| Min. pipe diameter | 80 mm |
| Speed (no load) | 380 rpm |
| Spindle (Weldon) | MT3 19.05 mm (3/4") |
| Power source | Air, min. 6.3 bar, max. 8 bar, consumption 1.1 m³/min |

*Exclusive handles

Benefits

- Air-powered motor system
- The magnets can be adjusted for the best position on round and flat surfaces
- Powerful, spark-free, explosion-safe motor
- Large 167 mm stroke
- Automatic, integrated lubrication and cooling system
- Anti-static construction
- Also available with permanent base magnet (page. 53)

Magnet benefits

- Permanent, non-electric magnet system
- No loss of magnetic grip in case of electric power cuts or fluctuations
- Flexible dual magnet array which automatically adjust to the geometry of the workpiece
- Powerful hold, even on thinner steel thicknesses

Features

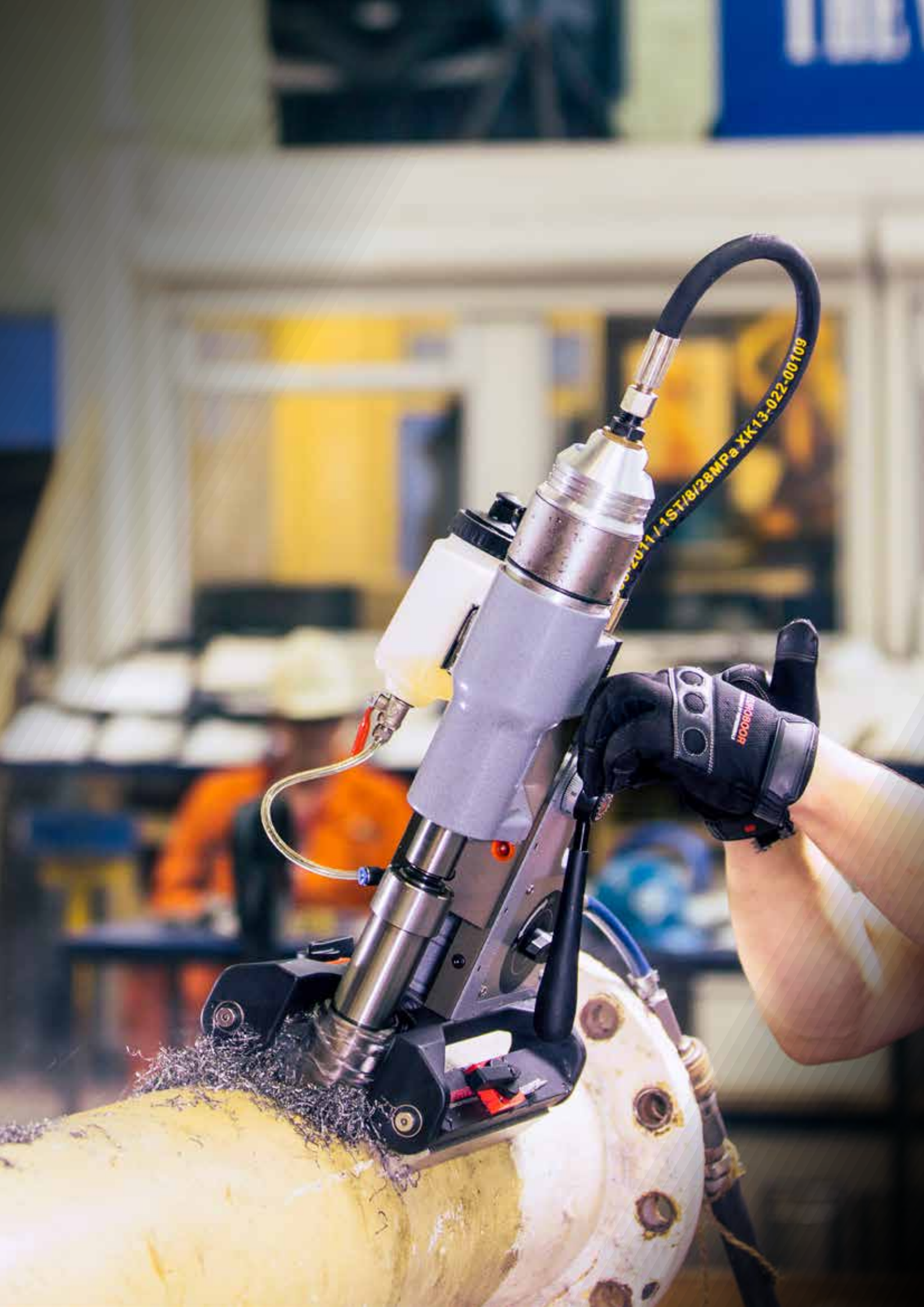


Air motor:
min 6.3 bar
(90 PSI)



Atex





ECO.36



Watch our machines in action on:
www.youtube.com/euroboorby

Technical data

| | |
|-------------------------|--------------------------|
| Annular cutting | Ø 12 - 36 mm |
| Twist drilling (Weldon) | Ø 1 - 14 mm |
| Countersinking | Ø 10 - 40 mm |
| In-corner drilling | 0° 50 mm centre to edge |
| | 90° 53 mm centre to edge |
| | 45° 60 mm centre to edge |
| Length | 310 mm |
| Width | 135 mm |
| Height | 165 mm |
| Stroke | 40 mm |
| Weight* | 10.3 kg |
| Magnet (l x w x h) | 160 x 80 x 37 mm |
| Magnetic force | 1,200 kg |
| Motor power | 1,050 W |
| Total power | 1,100 W |
| Speed (no load) | I 700 rpm |
| Speed (load 1,050 W) | I 400 rpm |
| Spindle (Weldon) | 19.05 mm (3/4") |
| Voltage | 110 - 120 V / 60 Hz |
| | 220 - 240 V / 50 - 60 Hz |

*Exclusive power cord and handle

Benefits

- One-speed gearbox
- User friendly Quick-Connect cutter fitment system
- Integrated motor cable, carrying handle and safety strap attachment
- Left and right mount ability of detachable ratchet feed handle
- Integrated tool cooling and lubrication
- Removable and slideable safety guard
- Lubrication bottle with magnet attachment
- Strong dual coil CNC machined magnet

Lowest machine
in the market



Features



In-corner:
50 mm



Height:
165 mm



ECO.36+



Watch our machines in action on:
www.youtube.com/euroboorbv

Technical data

| | |
|-------------------------|--------------------------|
| Annular cutting | Ø 12 - 36 mm |
| Twist drilling (Weldon) | Ø 1 - 14 mm |
| Countersinking | Ø 10 - 40 mm |
| In-corner drilling | 0° 50 mm centre to edge |
| | 90° 53 mm centre to edge |
| | 45° 60 mm centre to edge |
| Length | 310 mm |
| Width | 135 mm |
| Height | 165 mm |
| Stroke | 40 mm |
| Weight* | 10.3 kg |
| Magnet (l x w x h) | 160 x 80 x 37 mm |
| Magnetic force | 1,200 kg |
| Motor power | 1,050 W |
| Total power | 1,100 W |
| Speed (no load) | I 700 rpm |
| Speed (load 1,050 W) | I 400 rpm |
| Spindle (Weldon) | 19.05 mm (3/4") |
| Voltage | 110 - 120 V / 60 Hz |
| | 220 - 240 V / 50 - 60 Hz |

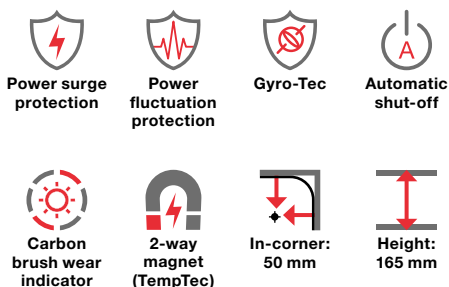
*Exclusive power cord and handle

Benefits

- One-speed gearbox
- User friendly Quick-Connect cutter fitment system
- Integrated motor cable, carrying handle and safety strap attachment
- Left and right mount ability of detachable ratchet feed handle
- Integrated tool cooling and lubrication
- Removable and slideable safety guard
- Lubrication bottle with magnet attachment
- Strong dual coil CNC machined 2-way magnet, causing the machine to use less energy, generate less heat and therefore lasts longer
- Reduced risk of damaging machine, tools and workpiece and hurting operator
- Suitable for use in areas and workplaces where power supply is of less quality
- Reduced risk of armature damage
- Reduced risk of control unit(s) damage
- Timely service notification to avoid additional cost by unexpected downtime or unnecessary part replacement



Features



EBM.360



Watch our machines in action on:
www.youtube.com/euroboorby

Technical data

| | |
|----------------------|-------------------------------|
| Annular cutting | Ø 12 - 36 mm |
| Twist drilling | Ø 1 - 13 mm |
| Countersinking | Ø 10 - 40 mm |
| Length | 297 mm |
| Width | 112 mm |
| Height | 420 - 610 mm |
| Stroke | 230 mm |
| Weight* | 11.7 kg |
| Magnet (l x w x h) | 160 x 80 x 42 mm |
| Magnetic force | 1,700 kg |
| Motor power | 1,300 W DC |
| Total power | 1,350 W DC |
| Speed (no load) | I 506 rpm |
| Speed (load 1,300 W) | I 375 rpm |
| Spindle (Weldon) | 19.05 mm (3/4") |
| Power source | 37 V Battery 2.6 Ah li-ion |

*Exclusive handles



Benefits

- Powerful battery with charger
- Powerful high-torque DC motor
- Multi-level electronic protection for optimal safety
- Extremely short battery charging time
- Detachable spindle and integrated tool cooling and lubrication
- High-precision height adjustment for:
 - Low maintenance
 - Minimal wear correction
- Strong dual coil CNC machined magnet



From 0% to 75% battery charge
in 17 minutes! Battery charge 75%
to 100% takes 58 minutes. Fully
charged in 75 minutes.

AIR.55



Watch our machines in action on:
www.youtube.com/euroboorby

Technical data

| | |
|--------------------|---|
| Annular cutting | Ø 12 - 52 mm (HSS) Ø 12 - 55 mm (TCT) |
| Twist drilling | Ø 1 - 23 mm |
| Countersinking | Ø 10 - 55 mm |
| Length | 380 mm |
| Width | 245 mm |
| Height | 615 - 705 mm |
| Stroke | 167 mm |
| Weight* | 16.5 kg |
| Magnet (l x w x h) | 183 x 100 x 55 mm |
| Magnetic force | 900 kg |
| Speed (no load) | 380 rpm |
| Spindle (Weldon) | MT3 19.05 mm (3/4") |
| Power source | Air, min. 6.3 bar, max. 8 bar, consumption 1.1 m³/min |

*Exclusive handles



Benefits

- Air-powered motor system
- Powerful, spark-free, explosion-safe motor
- Single operation knob for magnet and motor with 'deadman's' control
- Large 167 mm stroke
- Automatic, integrated lubrication and cooling system
- Anti-static construction
- Safety guard
- Also available with permanent tube magnet for both pipe and flat material (page. 48)

Magnet benefits

- Permanent, non-electric monobloc magnet system
- No loss of magnetic grip in case of electric power cuts or fluctuations
- Powerful hold, even on thinner steel thicknesses

Features



Air motor:
min 6.3 bar
(90 PSI)



Atex

RAIL.40S



Watch our machines in action on:
www.youtube.com/euroboorby

Technical data

| | |
|----------------------|--------------------------|
| Annular cutting | Ø 12 - 36 mm |
| Length | 230 mm |
| Width | 180 mm |
| Height | 495 - 610 mm |
| Stroke | 155 mm |
| Weight* | 12 kg |
| Motor power | 1,150 W |
| Total power | 1,200 W |
| Speed (no load) | I 600 rpm |
| Speed (load 1,150 W) | I 380 rpm |
| Spindle (Weldon) | 19.05 mm (3/4") |
| Voltage | 110 - 120 V / 60 Hz |
| | 220 - 240 V / 50 - 60 Hz |

*Exclusive power cord and handles

Benefits

- Suitable for processing rails
- High-efficiency motor with less heat generation
- High-accuracy capstan hub
- Direct spindle drive
- Integrated slide and one-speed oil lubricated gearbox for:
 - High accuracy
 - Enlarged lifecycle
 - Minimal vibration
- High-precision height adjustment for:
 - Low maintenance
 - Minimal wear correction



Including 6 different rail adapter versions:
 S49, S54, TRC68, UIC50, UIC54 and UIC60.

Features



Oil lubricated
gearbox

RAIL.60S



Watch our machines in action on:
www.youtube.com/euroboorby

Technical data

| | |
|----------------------|--------------------------|
| Annular cutting | Ø 12 - 36 mm |
| Length | 262 mm |
| Width | 130 mm |
| Height | 597 - 747 mm |
| Stroke | 170 mm |
| Weight* | 14.4 kg |
| Motor power | 1,600 W |
| Total power | 1,700 W |
| Speed (no load) | I 60 - 275 rpm |
| | II 100 - 500 rpm |
| Speed (load 1,600 W) | I 60 - 275 rpm |
| | II 100 - 500 rpm |
| Spindle (Weldon) | MT3 19.05 mm (3/4") |
| Voltage | 110 - 120 V / 60 Hz |
| | 220 - 240 V / 50 - 60 Hz |

*Exclusive power cord and handles

Benefits

- Suitable for processing rails
- High-accuracy capstan hub
- Morse Taper 3 spindle
- Integrated slide and two-speed oil lubricated gearbox for:
 - High accuracy
 - Enlarged lifecycle
 - Minimal vibration
- High-precision height adjustment for:
 - Low maintenance
 - Minimal wear correction



Including 6 different rail adapter versions:
 S49, S54, TRC68, UIC50, UIC54 and UIC60.

Features



Adjustable
speed



Overheat
protection



Oil lubricated
gearbox


Accessories

We are convinced accessories are auxiliary tools. Their development follows from practical situations in which challenges and problems present themselves; problems which could have been prevented by properly estimating the diversity and complexity of the work.

After more than 40 years of practical experience we dare to say we are familiar with most challenges that you may encounter. Euroboor accessories have been developed for direct practical solutions and comfort at work. Non-magnetic base, horizontal drilling or lack of space, you can proceed undisrupted at all times.

Our accessories are professional solutions that are specifically designed for and tuned to your activities.

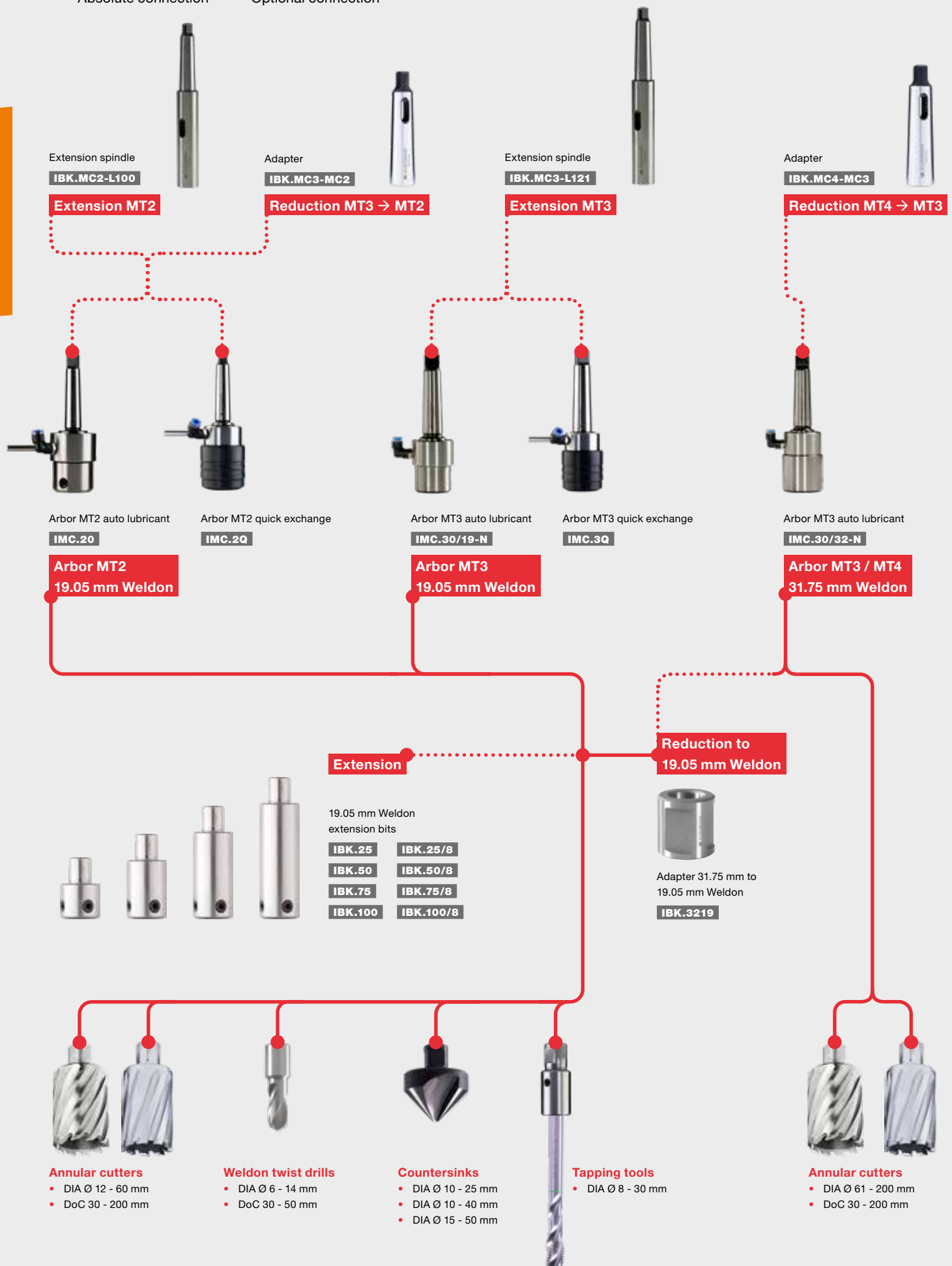
Practical solutions for comfort at work

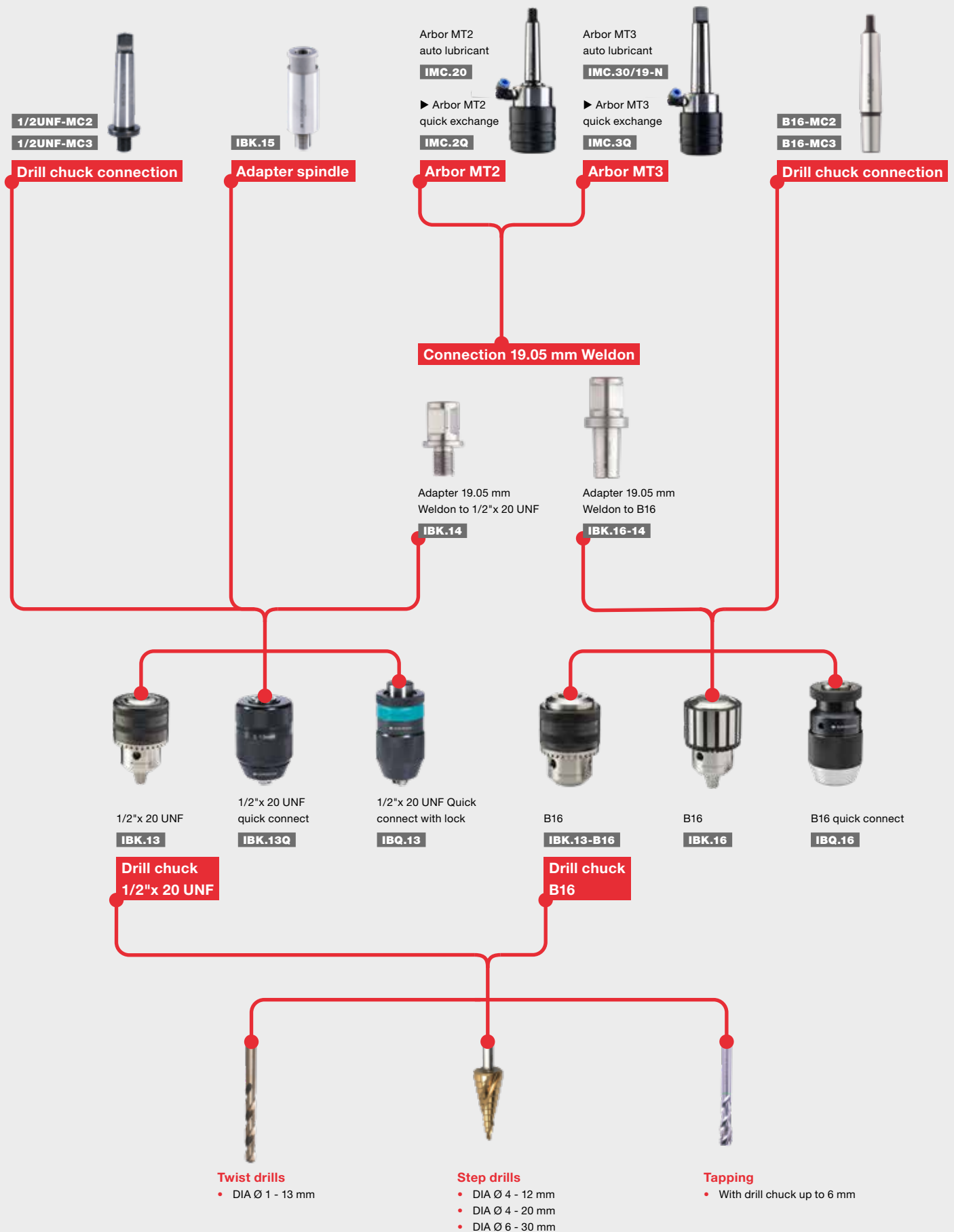


**“Our vision is focused on
developing accessories that
add value and facilitate you
in your daily work”.**

Weldon setup overview

— Absolute connection Optional connection

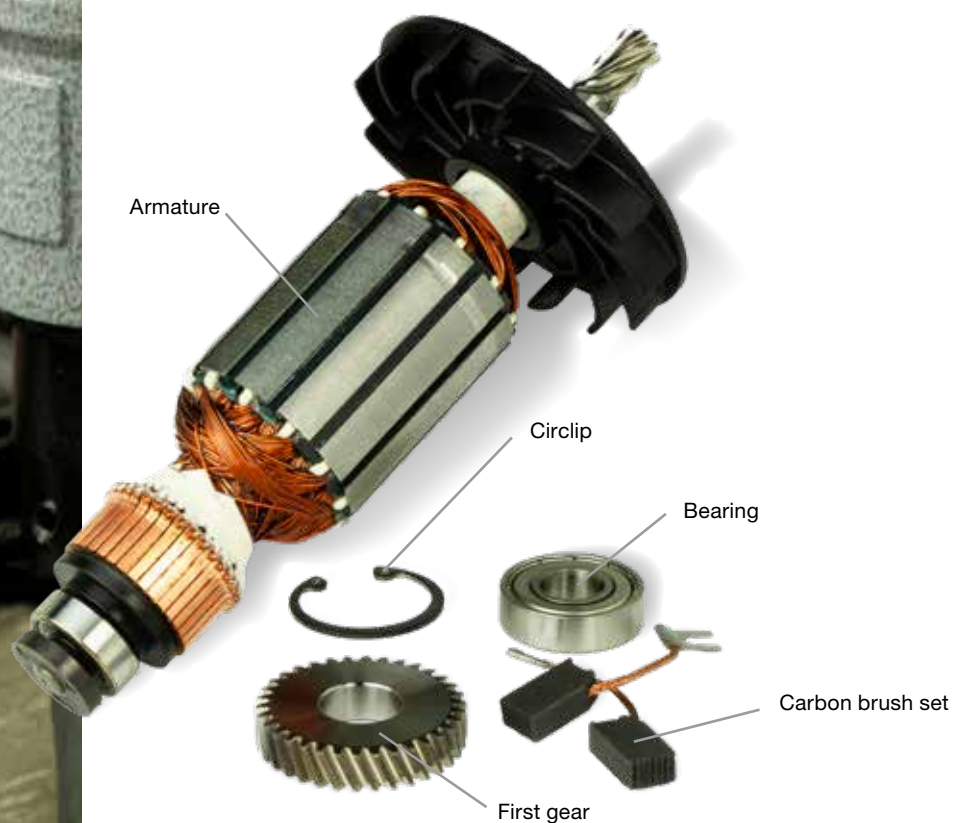






Armature kit

The armature kit consists of original parts for the maintenance of your magnetic core drill. We therefore recommend that you only use this official Euroboor kit to maintain your machine warranty. There is a suitable armature kit for all Euroboor magnetic core drilling machines.



Total package

The use of all spare parts from this total package ensures that the lifespan of your magnetic drilling machine can be extended by factor four to five. In addition, hidden maintenance costs are kept to a bare minimum and you maintain your machine warranty. After maintenance with the armature kit, the magnetic drilling machine operates as new again.

The armature kit with original Euroboor spare parts consists of:

- Armature
- Bearing(s)*
- Circlip
- First gear
- Carbon brush set

ARM.KIT

* Depending on machine the number and type of bearings may vary.

Adapters

Pipe Adapter kit

- Suitable for tube diameter from Ø 35 mm up to 550 mm
- Suitable for all Euroboor magnetic drilling machines (except ECO.200 & TUBE serie)
- Suitable for almost all drilling machines in the market (for universal use)

Dimensions PAK.250

Length: 286 mm
Width: 268 mm
Height: 96 mm

Dimensions inside plate

Length: 265 mm
Width: 112 mm
Height: 14 mm

Weight

12.5 kg

PAK.250



Vacuum Adapter kit Ø 300 mm

including pump

- Dimensions: Ø 300 mm

VAC.810

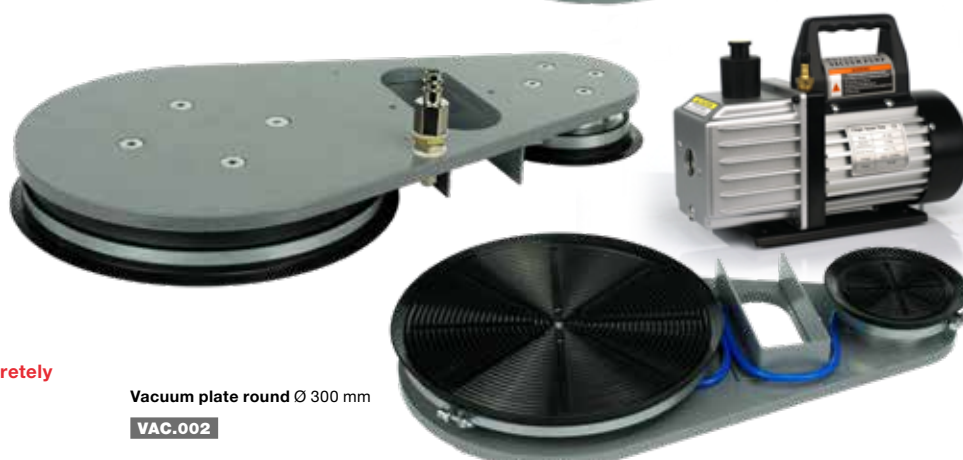


Vacuum Adapter kit oval

Clamp system with 2 suction pads including pump

- Dimensions: 450 x 250 mm

VAC.820



Components also available separately

Vacuum pump

- Power: 1/2 hp
- Inlet port: 1/4" flare & 3/8" flare
- Ultimate vacuum: 3×10^{-1} Pa, 25 microns
- Flow rate: 5 CFM, 142 l/min (110V)
4.5 CFM, 128 l/min (220V)
- Voltage: 110 - 120 V / 220 - 240 V / 50 - 60 Hz

VAC.001

Vacuum plate round Ø 300 mm

VAC.002

Vacuum plate oval Ø 450 x 250 mm

VAC.003

Extensions

**Extension Weldon 25 mm**

19.05 mm (3/4") Weldon, 25 mm (1") extension, outer Ø 35 mm (1 3/8")
For 6.35 mm (1/4") pilot pins

IBK.25

For 8 mm (5/16") pilot pins

IBK.25/8**Extension Weldon 50 mm**

19.05 mm (3/4") Weldon, 50 mm (2") extension, outer Ø 35 mm (1 3/8")
For 6.35 mm (1/4") pilot pins

IBK.50

For 8 mm (5/16") pilot pins

IBK.50/8**Extension Weldon 75 mm**

19.05 mm (3/4") Weldon, 75 mm (2 15/16") extension, outer Ø 35 mm (1 3/8")
For 6.35 mm (1/4") pilot pins

IBK.75

For 8 mm (5/16") pilot pins

IBK.75/8**Extension Weldon 100 mm**

19.05 mm (3/4") Weldon, 100 mm (3 15/16") extension, outer Ø 35 mm (1 3/8")
For 6.35 mm (1/4") pilot pins

IBK.100

For 8 mm (5/16") pilot pins

IBK.100/8**MT2 - 100 mm extension**

MT2 - MT2

IBK.MC2-L100**MT3 - 250 mm extension**

MT3 - MT3

IBK.MC3-L250**MT3 - 121 mm extension**

MT3 - MT3

IBK.MC3-L121**MT3 - 450 mm extension**

MT3 - MT3

IBK.MC3-L450

Connections

**Adapter Nitto One Touch**

(external) to 19.05 mm (3/4") Weldon (internal)

IBK.NIT**Adapter Fein Quick-In**

(external) to 19.05 mm (3/4") Weldon (internal)

IBK.QFN**Adapter 19.05 mm Weldon**

(external) to 1/2" x 20 UNF

IBK.14**Adapter 19.05 mm Weldon**

(external) to B16 drill chuck connection

IBK.16-14**Reduction ring**

31.75 mm (1 1/4") Weldon (external) to 19.05 mm (3/4") Weldon (internal)

IBK.3219

Morse Taper reductions

**Morse Taper reduction**

MT3 (machine) to MT2 (tool holder)

IBK.MC3-MC2**Morse Taper reduction**

MT4 (machine) to MT3 (tool holder)

IBK.MC4-MC3

Arbors



MC.2 / MC.3

Arbor MT2 - 19.05 mm (3/4") Weldon
For cutters Ø 12 - 60 mm

MC.2

Arbor MT2 - 19.05 mm (3/4") Weldon
Including lubrication ring

IMC.20

Auto Arbor MT2 - 19.05 mm (3/4") Weldon
Including lubrication ring
Quick exchange, Weldon connection

IMC.2Q



Auto Arbor IMC.2Q / IMC.3Q

Arbor MT3 - 19.05 mm (3/4") Weldon
For cutters Ø 12 - 60 mm

MC.3

Arbor MT3 - 19.05 mm (3/4") Weldon
For cutters Ø 12 - 60 mm
With extended shaft, including lubrication ring

MC.3-75

Arbor MT3 - 19.05 mm (3/4") Weldon
Including lubrication ring

IMC.30/19-N

Auto Arbor MT3 - 19.05 mm (3/4") Weldon
Including lubrication ring
Quick exchange, Weldon connection

IMC.3Q



MC.3/32

Arbor MT3 - 31.75 mm (1 1/4") Weldon
For cutters Ø 61 - 100 mm

MC.3/32

Arbor MT3 - 31.75 mm (1 1/4") Weldon
Including lubrication ring

IMC.30/32-N

Arbor MT4 - 31.75 mm (1 1/4") Weldon
Including lubrication ring

IMC.40/32

Arbor MT4 - 31.75 mm (1 1/4") Weldon
Including lubrication ring

ECO200.MC4/32



IMC.30/19-N / IMC.30/32-N

Adapter 1/2" x 20 UNF (external) to 1/2" x 20 UNF
(internal) extension adapter for drill chucks fitting length
65 mm

IBK.15



Assembly of a shorter
extension adapter
IBK.15 for use with
drill chucks.

Benefit:
increases space
for twist drills

IBK.15 with a
drill chuck IBK.13Q
for illustration purpose

Drill chuck connections



Morse Taper 2 to B16
Spindle connection
B16-MC2



Morse Taper 3 to B16
Spindle connection
B16-MC3



**Morse Taper 2
to 1/2" x 20 UNF**
Spindle connection
1/2UNF-MC2



**Morse Taper 3
to 1/2" x 20 UNF**
Spindle connection
1/2UNF-MC3

Morse Taper 2 to B18
Spindle connection
B18-MC2

Morse Taper 3 to B18
Spindle connection
B18-MC3

Twist drill chucks



Drill chuck
DIA Ø 1.5 - 13 mm,
1/2" x 20 UNF connection
IBK.13



Drill chuck quick connect
DIA Ø 2 - 13 mm
1/2" x 20 UNF connection
Keyless
IBK.13Q



Drill chuck
DIA Ø 1.5 - 13 mm
B16 connection
IBK.13-B16



Drill chuck
DIA Ø 1.5 - 16 mm
B16 connection
IBK.16



Drill chuck quick connect
DIA Ø 1.5 - 13 mm
1/2" x 20 UNF connection
Keyless
IBQ.13



Drill chuck quick connect
DIA Ø 1.5 - 16 mm
B16 connection
Keyless
IBQ.16

The IBQ.13 and IBQ.16 Quick connect drill chucks are keyless, three-jaw, self-centering chucks that hold drill bits in place during drilling tasks. They can be used with magnetic drilling machines together with Euroboor accessories like IBK.14, IBK.15 and 1/2" x 20 UNF Morse Taper.



Cutting lubricants

Euroboor spends a lot of time and effort on pushing boundaries to make your drilling process far more efficient. This continuous research and development is reflected in superior quality magnetic drilling machines, annular cutters and all other kinds of tools and accessories. While this lays the basis for optimum drilling and cutting performance, there is also the hugely important, often underestimated, factor of proper cooling and lubrication.

However sharp, stable or fast a cutting tool may be, working with metal is a demanding job which generates friction and heat, impacting end result, processing time and durability.

Lubrication

A suitable lubricant will reduce friction greatly. The tool will set itself much better and will generate less vibrations. A smoother operation means less power needs to be put into the job, the finished result will be more precise and operation time can be reduced by up to 30%.

Cooling

Processing metals can, as generally known, produce a lot of heat. Overheating can have serious negative effects on the behaviour of the workpiece and tool, and thus the overall performance. The result is generally an increased processing time, but not being

able to complete the job might even be possible as well. Inappropriate cooling can lead to specific issues, such as unreliable slug ejection when working with annular cutters.

Protection

For example, think about the discolouration of your metal workpiece or about the sizing accuracy of drilled holes after cooling down. When pushing your cutting tools fast and hard, burning them up might even be possible quicker than you would have imagined. With the use of appropriate lubrication and cooling you are able to actively protect the workpiece and used tools.

Durability

Making sure a cutting tool is able to perform smoothly and constantly by proper cooling and lubrication will increase its


functional life significantly. Taking annular cutting as an example, both the drilling machine and cutter will benefit from the drastically reduced stress. Depending on circumstances, an annular cutter can last up to 5 times longer when properly taken care of during operation!

Our offering

Euroboor offers a wide range of well-considered cooling and lubrication products to match your requirements. If you are processing high-tensile strength stainless steel or need to cut a plain aluminium bar, create large-bore holes or prepare a fine-coarse thread, whether working on a drilling line or in difficult spots on location, we can help you out with just the right lubricant.

The use of appropriate cutting lubricant adds value to your business operation

- Higher quality workpiece finishing
- Minimised tool wear and replacement
- Reduced processing time & lower operation cost

| Material application | |  Optimal |  Good |  Possible | | | | | | | | | | Exotic materials* | Rails |
|--|---|---|--|--|---|---|---|---|---|--|---|---|---|---|---|
| Material | Plastics GRP/ CRP | Brass, Copper, Tin | Grey cast iron | Steel | | | | | Stainless steel | | Aluminium | | | | |
| | | | | < 500N | < 750N | < 900N | < 1,100N | < 1,400N | < 900N | ≤ 900N | < 10% Si | ≤ 10% Si | | | |
| Oil | | | | | | | | | | | | | | | |
| IBO.10  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| IBO.P911  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| IBO.20  |  | |  |  |  |  |  |  |  |  |  | | |  |  |
| IBO.50  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| IBO.60  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MV.4  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| IBO.30  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| IBP.70  | | |  |  |  |  |  |  |  |  |  | | |  |  |

This overview only offers an indication of use. Further information on lubrication and material behaviour on request. Always try the chosen cutting lubricant on a test piece first.

* Inconnell, Nimonic, HARDOX and Hastelloy

Cutting oils, sprays, paste and gearbox oil

General usage

IBO.10

Mild steel lubricating and cooling cutting oil

General cutting oil offering premium cooling and lubrication for most common mild steel projects. High-cutting power tool preservation and improved processing times.

IBO.1001 (1 litre)

IBO.1050 (5 liters)



MV.4

All metals lubricating and cooling concentrate

User and environmentally friendly water-soluble cooling and lubricating concentrate. Particularly suitable for automatic dosing systems, offering efficient cooling on the majority of metal workpieces. No harmful mist formation and economical in use (can be diluted up to 1:20 ratio).

MV.4001 (1 litre)

MV.4050 (5 liters)



Specialised usage

IBO.20

Inox, chromium and nickel lubricating and cooling cutting oil

Heavy duty cutting oil with extremely efficient lubricating and cooling properties, solely for use on hard (plated) materials such as stainless steel, chromium and nickel. Drill up to two times faster, while minimising the chance of burnt tool bits and discoloured workpieces.

IBO.2001 (1 litre)

IBO.2050 (5 liters)



IBO.50

Non-ferrous metals cutting oil

Mild paraffin-based mineral oil with excellent lubricating possibilities for softer, non-ferrous, metals such as aluminium, copper and zinc. Highly effective in preventing discoloration and deformation of the workpiece and enhancing drilling performance.

IBO.5001 (1 litre)

IBO.5050 (5 liters)



IBO.60

Tapping and threading oil

Universal non-staining cutting oil, specifically for tapping and threading. Offers consistent lubrication and enhances the precision of your operation. The unique properties actively help chip clearance and keep your tools sharp.

IBO.6001 (1 litre)

IBO.6050 (5 liters)



**IBO-P.911****Mild steel lubricating and cooling cutting oil spray**

Premium metal processing cooling and lubrication in spray can form, suitable for use on mild steel.

Highly versatile in use and ideal for tool preparation.

IBO-P.911.500 (500 ml)

IBO.30**All metals lubricating and cooling cutting oil spray**

Versatile spray with high-cooling and evaporation properties. Ideal for the (after) cooling of all workpieces and tools. The minimal harmful contents and minimal greasy residue facilitate further proceedings with the workpiece.

IBO.30 (500 ml)

IBP.70**High-alloy steel cutting paste**

A cutting compound for metal, with strong adhesive strength on materials and tools, for vertical and upside down applications where liquid metal working oils can't be used. Based on mineral oil with carefully selected extreme pressure additives with excellent lubricating properties for low tool wear and excellent surface quality. Suitable for drilling, milling, tapping, threading and punching of high-alloy steel grades.

IBP.70 (1 liters)

**Gearbox oil****IBO.G1**

Offered as official Euroboor spare part, IBO.G1 is the recommended oil for Euroboor magnetic drilling machines with oil lubricated gearboxes. This is the only gear lubricant which is able to meet our high-requirements for operating temperature, minimal wear and high-machine efficiency.

For use with:

ECO.30S+, ECO.40S, ECO.40S+, ECO.50S, ECO.50S+, ECO.55S/T, ECO.55S+/T, ECO.55S+/TA, ECO.60S, ECO.60S+, ECO.80S+, ECO.100S+/T, ECO.100S+/TD, TUBE.30S+ and TUBE.55S/T, TUBE.55S+/T.

IBO.G101 (1 litre)

**Multifunctional oil spray****Operational use:**

- Rust removing
- Lubricating
- Contact improving
- Cleaning
- Corrosion protective
- Moisture repellent

IBO.40

Universal problem solving and preventing spray, suitable for the maintenance of tools and other moving parts. Also suitable as protector of electronics. Does not contain silicones, water or graphite.

IBO.40 (400 ml)



Euroboor

Annular cutters

Annular cutters

- + Longer lifespan
- + Exact dimensions
- + Unique teeth geometry
- + Optimum chip clearance
- + Superior slug ejection



High-precision shanks, various connections



Weldon
19.05 mm (3/4")



Nitto/Weldon
19.05 mm (3/4")



Weldon
31.75 mm (1 1/4")

Pilot pins

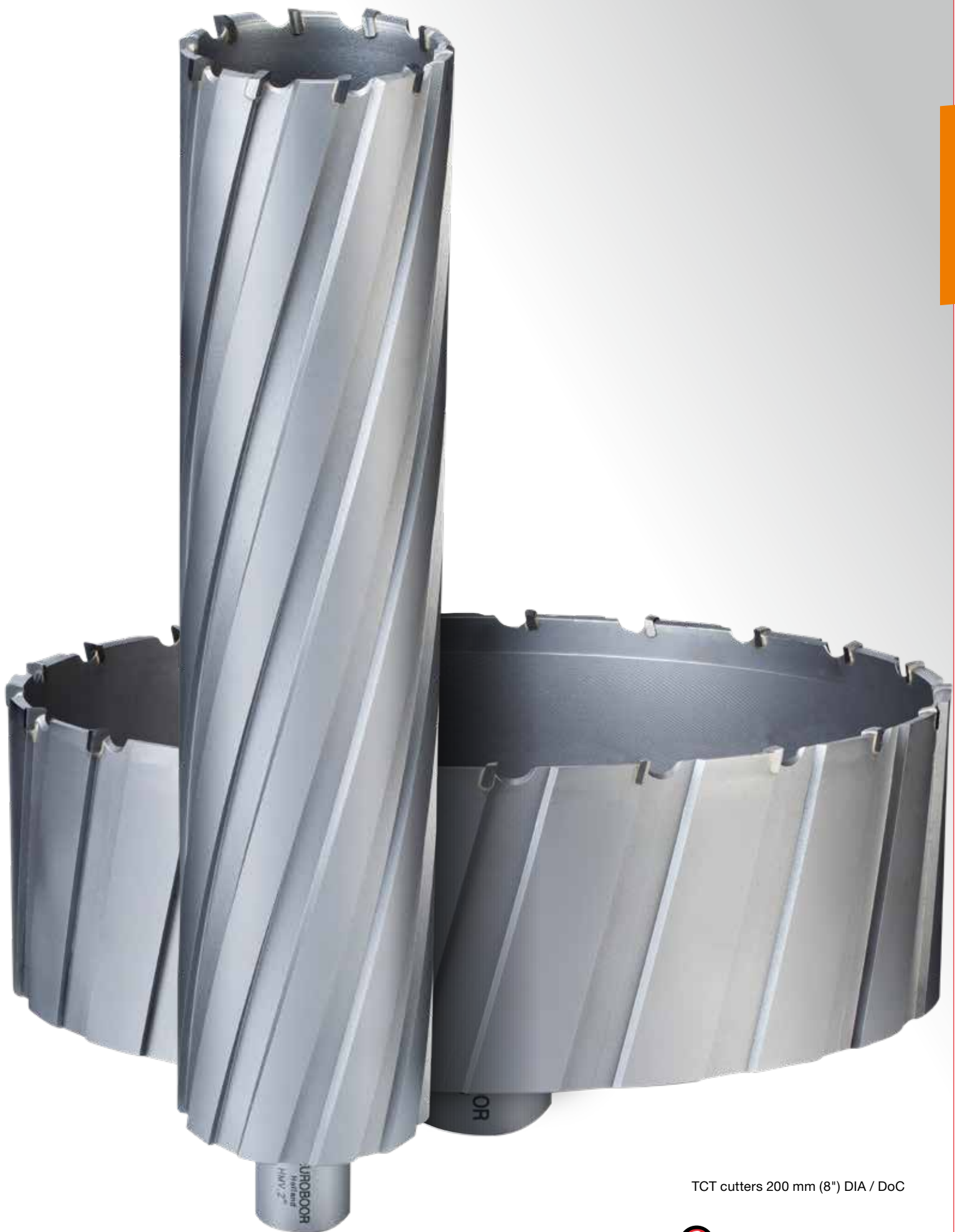
Pilot pins are essential for the use of annular cutters, as they provide the following practical uses:

- **Centration of cutter**
- **Control of oil flow**
- **Slug ejection**



1. Pilot pin
2. Annular cutter
3. Pilot pin inside annular cutter
4. Place in arbor magnetic drilling machine and commence drilling





TCT cutters 200 mm (8") DIA / DoC

Euroboor annular cutter portfolio

Geometry

Altering cutting teeth angles for precise and clear cuts

On our HSS and TCT cutters every tooth does its own job, working together to cut cleaner and quicker. They actually save time!



TCT cutters have three different teeth



HSS cutters have two different teeth

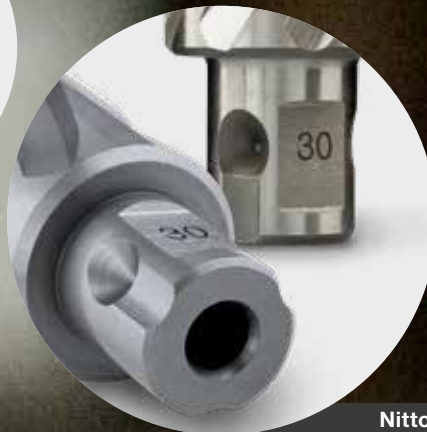
Did you know?

- With the **right lubrication** tool life is drastically improved;
- Drilling with cutters is best with **internal cooling**;
- A **perfect fitting pilot pin** prevents cutter breakage;
- **TCT cutters need a higher speed** than HSS cutters;
- Euroboor HSS cutters have an extra landing on the outside and cut more accurate with **less friction**;
- Euroboor cutters have a grounded inside **which offers expansion room to slug**;
- Metric & imperial **specific sizes** and **shank variations** can be supplied on request.

Weldon shank

Shank

Euroboor annular cutters are standard equipped with **high-precision Weldon shanks**. Depending on the cutter size and specification; 19.05 mm (3/4") or 31.75 mm (1 1/4"). Additionally we also offer cutters with double shank design. These annular cutters have an increased practical application, as they are suitable for use on machinery requiring Weldon fitment as well as machinery with Nitto fitment.



Nitto/Weldon shank




The No. 1 choice in HSS, HSS-Cobalt and TCT

We offer a well-considered range of annular cutters, designed to exceed your requirements. Many years of our hands-on experience are reflected in the unique features of our cutters. We do not compromise on quality and for that reason our cutters are appreciated worldwide for optimum performance, durability and longer functional life in all industries. From small scale fabrication to the oil and shipping industry, and from large scale fabrication to construction, and beyond.



Annular cutter overview

| Depth of Cut (DoC) | | | | Ø Metric (mm) Weldon | Ø Metric (mm) Nitto/Weldon | Ø Imperial (inch) Weldon | Ø Imperial (inch) Nitto/Weldon |
|--------------------|----|------------|----|-------------------------|-------------------------------|-----------------------------|-----------------------------------|
| 25 mm | | TCT Rail | | 17 - 36 | - | - | - |
| 30 mm | 1" | HSS | | 12 - 100 | 12 - 60 | 7/16" - 4" | - |
| 30 mm | 1" | HSS-Cobalt | 8% | 12 - 60 | - | 7/16" - 2 5/16" | - |
| 35 mm | 1" | TCT | | 12 - 100 | 12 - 60 | 7/16" - 4" | 7/16" - 2 5/16" |
| 35 mm | | TCT Rail | | 17 - 36 | - | - | - |
| 55 mm | 2" | HSS | | 12 - 100 | 12 - 60 | 7/16" - 4" | 7/16" - 2 5/16" |
| 55 mm | 2" | HSS Stack | | 18 - 32 | - | 11/16" - 1 1/4" | - |
| 55 mm | 2" | HSS-Cobalt | 8% | 12 - 60 | - | 7/16" - 2 5/16" | - |
| 55 mm | 2" | TCT | | 12 - 200 | 12 - 60 | 7/16" - 8" | 7/16" - 2 5/16" |
| 75 mm | | HSS | | 14 - 50 | - | - | - |
| 75 mm | 3" | HSS Stack | | 18 - 32 | - | 11/16" - 1 1/4" | - |
| | 3" | HSS-Cobalt | 8% | - | - | 7/16" - 2 5/16" | - |
| 75 mm | 3" | TCT | | 12 - 50 | - | 7/16" - 3" | - |
| 100 mm | | HSS | | 18 - 50 | - | - | - |
| 100 mm | 4" | TCT | | 12 - 200 | - | 7/16" - 8" | - |
| 150 mm | 6" | TCT | | 22 - 200 | - | 7/8" - 8" | - |
| 200 mm | 8" | TCT | | 22 - 200 | - | 7/8" - 8" | - |

| Material appliance | | ● Optimal ○ Good ○ Possible | | | | | | | | | | | | | |
|--------------------|---|---------------------------------|--------------------------|----------------------|--------|--------|--------|----------|----------|-----------------|--------|-----------|----------|----------------------|-------|
| Cutter | Material | Plastics GRP/ CRP | Brass, Copper, Tin | Grey cast iron | Steel | | | | | Stainless steel | | Aluminium | | Exotic materials* | Rails |
| | | | | | < 500N | < 750N | < 900N | < 1,100N | < 1,400N | < 900N | ≤ 900N | < 10% Si | ≤ 10% Si | | |
| HSS |  | ● | ○ | | ● | ● | ○ | | | | | ○ | | | |
| HSS-Cobalt |  | ● | ● | ○ | ● | ● | ● | ○ | ○ | ○ | ○ | ● | ○ | ○ | |
| TCT |  | | ○ | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ○ |
| TCT Rail |  | | ○ | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

* Inconnell, Nimonic, HARDOX, Hastelloy

Annular cutter

High Speed Steel

HSS annular cutters, with unique teeth geometry, provide clear cutting, fast feed rate, less vibration, smooth hole surface and long tool life. They are better and quicker than twist drills. HSS annular cutters can be used on all kinds of magnetic drilling machines. They can be widely used in drilling steel, copper, aluminium, stainless

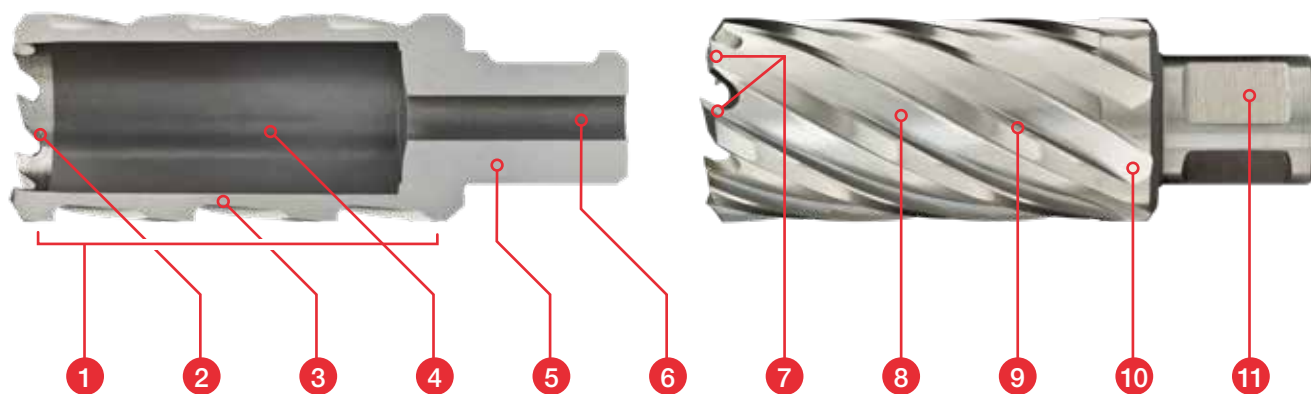
steel and plastic, in either plate or pipe form. The HSS annular cutters have gained huge popularity in the market. The entire range is available in various specifications that can be customised as per your requirements.

HSS material application

● Optimal ○ Good ○ Possible

| Plastics GRP/CRP | Brass, Copper, Tin | Grey cast iron | Steel | | | | | Stainless steel | | Aluminium | | Exotic materials, Inconnell, Nimonic, HARDOX, Hastelloy | Rails |
|---------------------|--------------------------|-------------------|--------|--------|--------|----------|----------|-----------------|--------|-----------|----------|---|-------|
| | | | < 500N | < 750N | < 900N | < 1,100N | < 1,400N | < 900N | ≤ 900N | < 10% Si | ≤ 10% Si | | |
| ● | ○ | | ● | ● | ○ | | | | | ○ | | | |

HSS profile



1. Stage hardening. Combines maximum hardness at the teeth with superior strength at the cutter body, reducing breakage to a minimum.
2. Inner ground cutting teeth. Helps stable "setting" of the cutter, reduces friction during drilling and helps slug ejection.
3. Wall thickness matched to the diameter of the cutter, combining the best possible cutting time with strength.
4. Tapered inside fitment prevents the cutter getting stuck. Guaranteed slug ejection with usage of the correct pilot pin.
5. Precise shank fitment for maximum interchangeability and close tolerance drilling without run-out.
6. Precise pilot pin fitment for perfect centration, hassle-free pin retraction and controlled lubricant flow.
7. Altering "continuous pre-cut" teeth geometry. Generates faster and more stable drilling performance and results in clear cuts of the highest precision and smooth, burr-free finishes.
8. Well-thought-out spiral flute angles for optimal chip removal.
9. Specially designed blades for optimum stability and heat-reduction.
10. Number of flutes and teeth matched to the diameter of the cutter for the best tooth load and superior cutting speeds.
11. Precision ground shanks for optimum fitment of the cutter itself in the tool holder and of pilot pin in the annular cutter. Increases safety, stability and accurate hole dimensions.

| | DoC 30 mm Weldon | DoC 30 mm Nitto/Weldon | DoC 55 mm Weldon | DoC 55 mm Nitto/Weldon | DoC 75 mm Weldon | DoC 100 mm Weldon |
|--------|---------------------|---------------------------|---------------------|---------------------------|---------------------|----------------------|
| DIA | Ø 12 - 100 mm | Ø 12 - 60 mm | Ø 12 - 100 mm | Ø 12 - 60 mm | Ø 14 - 50 mm | Ø 18 - 50 mm |
| | Code | Code | Code | Code | Code | Code |
| Ø 12 | HCS.120 | HCSU.120 | HCL.120 | HCLU.120 | | |
| Ø 13 | HCS.130 | HCSU.130 | HCL.130 | HCLU.130 | | |
| Ø 13.5 | HCS.135 | | HCL.135 | | | |
| Ø 14 | HCS.140 | HCSU.140 | HCL.140 | HCLU.140 | HCY.140 | |
| Ø 15 | HCS.150 | HCSU.150 | HCL.150 | HCLU.150 | HCY.150 | |
| Ø 15.5 | HCS.155 | | HCL.155 | | | |
| Ø 16 | HCS.160 | HCSU.160 | HCL.160 | HCLU.160 | HCY.160 | |
| Ø 17 | HCS.170 | HCSU.170 | HCL.170 | HCLU.170 | HCY.170 | |
| Ø 17.5 | HCS.175 | | HCL.175 | | | |
| Ø 18 | HCS.180 | HCSU.180 | HCL.180 | HCLU.180 | HCY.180 | HCX.180 |
| Ø 19 | HCS.190 | HCSU.190 | HCL.190 | HCLU.190 | HCY.190 | HCX.190 |
| Ø 19.5 | HCS.195 | | HCL.195 | | | |
| Ø 20 | HCS.200 | HCSU.200 | HCL.200 | HCLU.200 | HCY.200 | HCX.200 |
| Ø 21 | HCS.210 | HCSU.210 | HCL.210 | HCLU.210 | HCY.210 | HCX.210 |
| Ø 21.5 | HCS.215 | | HCL.215 | | | |
| Ø 22 | HCS.220 | HCSU.220 | HCL.220 | HCLU.220 | HCY.220 | HCX.220 |
| Ø 23 | HCS.230 | HCSU.230 | HCL.230 | HCLU.230 | HCY.230 | HCX.230 |
| Ø 24 | HCS.240 | HCSU.240 | HCL.240 | HCLU.240 | HCY.240 | HCX.240 |
| Ø 25 | HCS.250 | HCSU.250 | HCL.250 | HCLU.250 | HCY.250 | HCX.250 |
| Ø 26 | HCS.260 | HCSU.260 | HCL.260 | HCLU.260 | HCY.260 | HCX.260 |
| Ø 26.5 | HCS.265 | | HCL.265 | | | |
| Ø 27 | HCS.270 | HCSU.270 | HCL.270 | HCLU.270 | HCY.270 | HCX.270 |
| Ø 28 | HCS.280 | HCSU.280 | HCL.280 | HCLU.280 | HCY.280 | HCX.280 |
| Ø 29 | HCS.290 | HCSU.290 | HCL.290 | HCLU.290 | HCY.290 | HCX.290 |
| Ø 30 | HCS.300 | HCSU.300 | HCL.300 | HCLU.300 | HCY.300 | HCX.300 |
| Ø 31 | HCS.310 | HCSU.310 | HCL.310 | HCLU.310 | HCY.310 | HCX.310 |
| Ø 32 | HCS.320 | HCSU.320 | HCL.320 | HCLU.320 | HCY.320 | HCX.320 |
| Ø 33 | HCS.330 | HCSU.330 | HCL.330 | HCLU.330 | HCY.330 | HCX.330 |
| Ø 34 | HCS.340 | HCSU.340 | HCL.340 | HCLU.340 | HCY.340 | HCX.340 |
| Ø 35 | HCS.350 | HCSU.350 | HCL.350 | HCLU.350 | HCY.350 | HCX.350 |
| Ø 36 | HCS.360 | HCSU.360 | HCL.360 | HCLU.360 | HCY.360 | HCX.360 |
| Ø 37 | HCS.370 | HCSU.370 | HCL.370 | HCLU.370 | HCY.370 | HCX.370 |
| Ø 38 | HCS.380 | HCSU.380 | HCL.380 | HCLU.380 | HCY.380 | HCX.380 |
| Ø 39 | HCS.390 | HCSU.390 | HCL.390 | HCLU.390 | HCY.390 | HCX.390 |
| Ø 40 | HCS.400 | HCSU.400 | HCL.400 | HCLU.400 | HCY.400 | HCX.400 |
| Ø 41 | HCS.410 | HCSU.410 | HCL.410 | HCLU.410 | HCY.410 | HCX.410 |
| Ø 42 | HCS.420 | HCSU.420 | HCL.420 | HCLU.420 | HCY.420 | HCX.420 |
| Ø 43 | HCS.430 | HCSU.430 | HCL.430 | HCLU.430 | HCY.430 | HCX.430 |
| Ø 44 | HCS.440 | HCSU.440 | HCL.440 | HCLU.440 | HCY.440 | HCX.440 |
| Ø 45 | HCS.450 | HCSU.450 | HCL.450 | HCLU.450 | HCY.450 | HCX.450 |
| Ø 46 | HCS.460 | HCSU.460 | HCL.460 | HCLU.460 | HCY.460 | HCX.460 |
| Ø 47 | HCS.470 | HCSU.470 | HCL.470 | HCLU.470 | HCY.470 | HCX.470 |
| Ø 48 | HCS.480 | HCSU.480 | HCL.480 | HCLU.480 | HCY.480 | HCX.480 |
| Ø 49 | HCS.490 | HCSU.490 | HCL.490 | HCLU.490 | HCY.490 | HCX.490 |
| Ø 50 | HCS.500 | HCSU.500 | HCL.500 | HCLU.500 | HCY.500 | HCX.500 |
| Ø 51 | HCS.510 | HCSU.510 | HCL.510 | HCLU.510 | | |
| Ø 52 | HCS.520 | HCSU.520 | HCL.520 | HCLU.520 | | |
| Ø 53 | HCS.530 | HCSU.530 | HCL.530 | HCLU.530 | | |
| Ø 54 | HCS.540 | HCSU.540 | HCL.540 | HCLU.540 | | |
| Ø 55 | HCS.550 | HCSU.550 | HCL.550 | HCLU.550 | | |
| Ø 56 | HCS.560 | HCSU.560 | HCL.560 | HCLU.560 | | |

HSS

Weldon shank



Nitto/Weldon shank



Shank sizes

DIA Ø 12 - 60 mm:
19.05 mm (3/4")

DIA Ø 61 - 100 mm:
31.75 mm (1 1/4")

**DoC 75 mm (HCY)**

DIA Ø 51 - 100 mm:
Available on request

DoC 100 mm (HCX)

DIA Ø 51 - 100 mm:
Available on request

HSS

Weldon shank



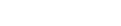
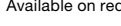
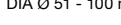
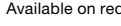
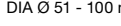
Nitto/Weldon shank



Shank sizes

DIA Ø 12 - 60 mm:
19.05 mm (3/4")

DIA Ø 61 - 100 mm:
31.75 mm (1 1/4")



| | DoC 30 mm Weldon | DoC 30 mm Nitto/Weldon | DoC 55 mm Weldon | DoC 55 mm Nitto/Weldon | DoC 75 mm Weldon | DoC 100 mm Weldon |
|-------|---------------------|---------------------------|---------------------|---------------------------|---------------------|----------------------|
| DIA | Ø 12 - 100 mm | Ø 12 - 60 mm | Ø 12 - 100 mm | Ø 12 - 60 mm | Ø 14 - 50 mm | Ø 18 - 50 mm |
| | Code | Code | Code | Code | Code | Code |
| Ø 57 | HCS.570 | HCSU.570 | HCL.570 | HCLU.570 | | |
| Ø 58 | HCS.580 | HCSU.580 | HCL.580 | HCLU.580 | | |
| Ø 59 | HCS.590 | HCSU.590 | HCL.590 | HCLU.590 | | |
| Ø 60 | HCS.600 | HCSU.600 | HCL.600 | HCLU.600 | | |
| Ø 61 | HCS.610 | | HCL.610 | | | |
| Ø 62 | HCS.620 | | HCL.620 | | | |
| Ø 63 | HCS.630 | | HCL.630 | | | |
| Ø 64 | HCS.640 | | HCL.640 | | | |
| Ø 65 | HCS.650 | | HCL.650 | | | |
| Ø 66 | HCS.660 | | HCL.660 | | | |
| Ø 67 | HCS.670 | | HCL.670 | | | |
| Ø 68 | HCS.680 | | HCL.680 | | | |
| Ø 69 | HCS.690 | | HCL.690 | | | |
| Ø 70 | HCS.700 | | HCL.700 | | | |
| Ø 71 | HCS.710 | | HCL.710 | | | |
| Ø 72 | HCS.720 | | HCL.720 | | | |
| Ø 73 | HCS.730 | | HCL.730 | | | |
| Ø 74 | HCS.740 | | HCL.740 | | | |
| Ø 75 | HCS.750 | | HCL.750 | | | |
| Ø 76 | HCS.760 | | HCL.760 | | | |
| Ø 77 | HCS.770 | | HCL.770 | | | |
| Ø 78 | HCS.780 | | HCL.780 | | | |
| Ø 79 | HCS.790 | | HCL.790 | | | |
| Ø 80 | HCS.800 | | HCL.800 | | | |
| Ø 81 | HCS.810 | | HCL.810 | | | |
| Ø 82 | HCS.820 | | HCL.820 | | | |
| Ø 83 | HCS.830 | | HCL.830 | | | |
| Ø 84 | HCS.840 | | HCL.840 | | | |
| Ø 85 | HCS.850 | | HCL.850 | | | |
| Ø 86 | HCS.860 | | HCL.860 | | | |
| Ø 87 | HCS.870 | | HCL.870 | | | |
| Ø 88 | HCS.880 | | HCL.880 | | | |
| Ø 89 | HCS.890 | | HCL.890 | | | |
| Ø 90 | HCS.900 | | HCL.900 | | | |
| Ø 91 | HCS.910 | | HCL.910 | | | |
| Ø 92 | HCS.920 | | HCL.920 | | | |
| Ø 93 | HCS.930 | | HCL.930 | | | |
| Ø 94 | HCS.940 | | HCL.940 | | | |
| Ø 95 | HCS.950 | | HCL.950 | | | |
| Ø 96 | HCS.960 | | HCL.960 | | | |
| Ø 97 | HCS.970 | | HCL.970 | | | |
| Ø 98 | HCS.980 | | HCL.980 | | | |
| Ø 99 | HCS.990 | | HCL.990 | | | |
| Ø 100 | HCS.1000 | | HCL.1000 | | | |

DoC 75 mm (HCY)

DIA Ø 51 - 100 mm:
Available on request

DoC 100 mm (HCX)

DIA Ø 51 - 100 mm:
Available on request

| | DoC 1" Weldon | DoC 2" Weldon | DoC 2" Nitto/Weldon |
|------------|------------------|------------------|------------------------|
| DIA | Ø 7/16" - 4" | Ø 7/16" - 4" | Ø 7/16" - 2 5/16" |
| | Code | Code | Code |
| Ø 7/16" | HCS.7/16" | HCL.7/16" | HCLU.7/16" |
| Ø 1/2" | HCS.1/2" | HCL.1/2" | HCLU.1/2" |
| Ø 9/16" | HCS.9/16" | HCL.9/16" | HCLU.9/16" |
| Ø 5/8" | HCS.5/8" | HCL.5/8" | HCLU.5/8" |
| Ø 11/16" | HCS.11/16" | HCL.11/16" | HCLU.11/16" |
| Ø 3/4" | HCS.3/4" | HCL.3/4" | HCLU.3/4" |
| Ø 13/16" | HCS.13/16" | HCL.13/16" | HCLU.13/16" |
| Ø 7/8" | HCS.7/8" | HCL.7/8" | HCLU.7/8" |
| Ø 15/16" | HCS.15/16" | HCL.15/16" | HCLU.15/16" |
| Ø 1" | HCS.1" | HCL.1" | HCLU.1" |
| Ø 1 1/16" | HCS.1-1/16" | HCL.1-1/16" | HCLU.1-1/16" |
| Ø 1 1/8" | HCS.1-1/8" | HCL.1-1/8" | HCLU.1-1/8" |
| Ø 1 3/16" | HCS.1-3/16" | HCL.1-3/16" | HCLU.1-3/16" |
| Ø 1 1/4" | HCS.1-1/4" | HCL.1-1/4" | HCLU.1-1/4" |
| Ø 1 5/16" | HCS.1-5/16" | HCL.1-5/16" | HCLU.1-5/16" |
| Ø 1 3/8" | HCS.1-3/8" | HCL.1-3/8" | HCLU.1-3/8" |
| Ø 1 7/16" | HCS.1-7/16" | HCL.1-7/16" | HCLU.1-7/16" |
| Ø 1 1/2" | HCS.1-1/2" | HCL.1-1/2" | HCLU.1-1/2" |
| Ø 1 9/16" | HCS.1-9/16" | HCL.1-9/16" | HCLU.1-9/16" |
| Ø 1 5/8" | HCS.1-5/8" | HCL.1-5/8" | HCLU.1-5/8" |
| Ø 1 11/16" | HCS.1-11/16" | HCL.1-11/16" | HCLU.1-11/16" |
| Ø 1 3/4" | HCS.1-3/4" | HCL.1-3/4" | HCLU.1-3/4" |
| Ø 1 13/16" | HCS.1-13/16" | HCL.1-13/16" | HCLU.1-13/16" |
| Ø 1 7/8" | HCS.1-7/8" | HCL.1-7/8" | HCLU.1-7/8" |
| Ø 1 15/16" | HCS.1-15/16" | HCL.1-15/16" | HCLU.1-15/16" |
| Ø 2" | HCS.2" | HCL.2" | HCLU.2" |
| Ø 2 1/16" | HCS.2-1/16" | HCL.2-1/16" | HCLU.2-1/16" |
| Ø 2 1/8" | HCS.2-1/8" | HCL.2-1/8" | HCLU.2-1/8" |
| Ø 2 3/16" | HCS.2-3/16" | HCL.2-3/16" | HCLU.2-3/16" |
| Ø 2 1/4" | HCS.2-1/4" | HCL.2-1/4" | HCLU.2-1/4" |
| Ø 2 5/16" | HCS.2-5/16" | HCL.2-5/16" | HCLU.2-5/16" |
| Ø 2 3/8" | HCS.2-3/8" | HCL.2-3/8" | |
| Ø 2 7/16" | HCS.2-7/16" | HCL.2-7/16" | |
| Ø 2 1/2" | HCS.2-1/2" | HCL.2-1/2" | |
| Ø 2 9/16" | HCS.2-9/16" | HCL.2-9/16" | |
| Ø 2 5/8" | HCS.2-5/8" | HCL.2-5/8" | |
| Ø 2 11/16" | HCS.2-11/16" | HCL.2-11/16" | |
| Ø 2 3/4" | HCS.2-3/4" | HCL.2-3/4" | |
| Ø 2 13/16" | HCS.2-13/16" | HCL.2-13/16" | |
| Ø 2 7/8" | HCS.2-7/8" | HCL.2-7/8" | |
| Ø 2 15/16" | HCS.2-15/16" | HCL.2-15/16" | |
| Ø 3" | HCS.3" | HCL.3" | |
| Ø 3 1/16" | HCS.3-1/16" | HCL.3-1/16" | |
| Ø 3 1/8" | HCS.3-1/8" | HCL.3-1/8" | |
| Ø 3 3/16" | HCS.3-3/16" | HCL.3-3/16" | |
| Ø 3 1/4" | HCS.3-1/4" | HCL.3-1/4" | |
| Ø 3 5/16" | HCS.3-5/16" | HCL.3-5/16" | |
| Ø 3 3/8" | HCS.3-3/8" | HCL.3-3/8" | |
| Ø 3 7/16" | HCS.3-7/16" | HCL.3-7/16" | |
| Ø 3 1/2" | HCS.3-1/2" | HCL.3-1/2" | |
| Ø 3 9/16" | HCS.3-9/16" | HCL.3-9/16" | |

HSS

Weldon shank



Nitto/Weldon shank



Shank sizes

DIA Ø 7/16" - 2 5/16":
3/4"DIA Ø 2 3/8" - 4":
1 1/4"

DoC

Depth
of Cut
measured
inside
cutter

| | DoC 1" Weldon | DoC 2" Weldon | DoC 2" Nitto/Weldon |
|------------|------------------|------------------|------------------------|
| DIA | Ø 7/16" - 4" | Ø 7/16" - 4" | Ø 7/16" - 2 5/16" |
| | Code | Code | Code |
| Ø 3 5/8" | HCS.3-5/8" | HCL.3-5/8" | |
| Ø 3 11/16" | HCS.3-11/16" | HCL.3-11/16" | |
| Ø 3 3/4" | HCS.3-3/4" | HCL.3-3/4" | |
| Ø 3 13/16" | HCS.3-13/16" | HCL.3-13/16" | |
| Ø 3 7/8" | HCS.3-7/8" | HCL.3-7/8" | |
| Ø 3 15/16" | HCS.3-15/16" | HCL.3-15/16" | |
| Ø 4" | HCS.4" | HCL.4" | |

6 piece cutter sets



Set HSS metric

DoC 30 mm

- 6 piece annular cutter set
- Cutter sizes Ø 14, 18, 22 mm (2 of each DoC)
- Pilot pin IBC.70 included

HCS.KIT

DoC 55 mm

- 6 piece annular cutter set
- Cutter sizes Ø 14, 18, 22 mm (2 of each DoC)
- Pilot pin IBC.90 included

HCL.KIT

Set HSS imperial

DoC 1"

- 6 piece annular cutter set
- Cutter sizes Ø 9/16", 11/16", 13/16" (2 of each DoC)
- Pilot pin IBC.70 included

HCS.KIT/8



DoC 1" & 2"

- 6 piece annular cutter set
- Cutter sizes Ø 9/16", 11/16", 13/16" (1 of each DoC)
- Pilot pins IBC.70 & IBC.90 included

HCS.KIT/9

10 piece cutter sets



DoC 30 mm

- 10 piece annular cutter set
- Cutter sizes Ø 12, 14, 16, 18, 20, 22, 24, 26, 28, 30 mm
- Pilot pin IBC.70 included

HCS.KIT/10

DoC 30 mm

- 10 piece annular cutter set
- Cutter sizes 3 x Ø 14, 3 x Ø 18, 2 x Ø 22, 2 x Ø 26 mm
- 2 x Pilot pin IBC.70 included

HSS.KIT/10S-M2

DoC 1"

- 10 piece annular cutter set
- Cutter sizes 2 x Ø 9/16", 2 x Ø 11/16", 2 x Ø 13/16", 2 x Ø 7/8", Ø 15/16", Ø 1"
- 2 x Pilot pin IBC.70 included

HSS.KIT/10S-I1

DoC 1"

- 10 piece annular cutter set
- Cutter sizes 3 x Ø 9/16", 3 x Ø 13/16", 3 x Ø 7/8", Ø 15/16"
- 2 x Pilot pin IBC.70 included

HSS.KIT/10S-I2



DoC 55 mm

- 10 piece annular cutter set
- Cutter sizes Ø 12, 14, 16, 18, 20, 22, 24, 26, 28, 30 mm
- 2 x Pilot pin IBC.90 included

HCL.KIT/10

DoC 55 mm

- 10 piece annular cutter set
- Cutter sizes 3 x Ø 14, 3 x Ø 18, 2 x Ø 22, 2 x Ø 26 mm
- 2 x Pilot pin IBC.90 included

HSS.KIT/10L-M2

DoC 2"

- 10 piece annular cutter set
- Cutter sizes 2 x Ø 9/16", 2 x Ø 11/16", 2 x Ø 13/16", 2 x Ø 7/8", Ø 15/16", Ø 1"
- 2 x Pilot pin IBC.90 included

HSS.KIT/10L-I1

DoC 2"

- 10 piece annular cutter set
- Cutter sizes 3 x Ø 9/16", 3 x Ø 13/16", 3 x Ø 7/8", Ø 15/16"
- 2 x Pilot pin IBC.90 included

HSS.KIT/10L-I2

Annular cutter

High Speed Steel Stack

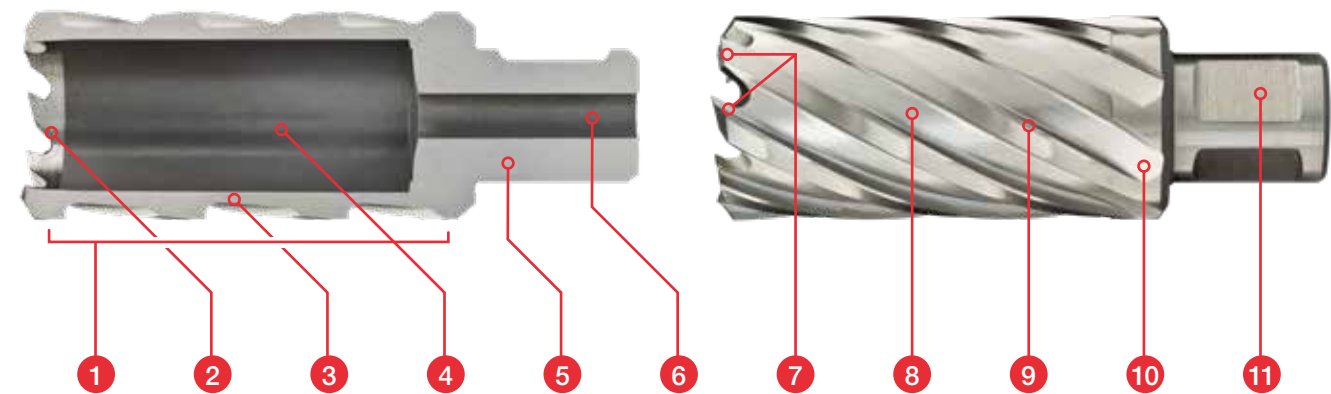
Standard HSS Euroboor annular cutters feature teeth geometry which is optimised for use on single layer workpieces, ensuring the fastest and best drilling performance. The rest material created with the use of these cutters is our signature: the Euroboor slug. The rim on this slug is exactly what prevents our standard HSS cutters from penetrating the second layer of material. In order to drill multiple layers of material simultaneously, we recommend the use of our annular cutters with stack geometry.

The unique teeth profile ensures safe and stable penetration: layer for layer.

Combined with the standard performance improving characteristics of Euroboor annular cutters this results in smooth layer transitions, precise and clean hole finishes and the time savings you are looking for.

| HSS stack material application | | | | | | | | | | | |
|--------------------------------|--------------------------|-------------------|--------|--------|--------|----------|----------|-----------------|--------|-----------|----------|
| Plastics GRP/CRP | Brass, Copper, Tin | Grey cast iron | Steel | | | | | Stainless steel | | Aluminium | |
| | | | < 500N | < 750N | < 900N | < 1,100N | < 1,400N | < 900N | ≤ 900N | < 10% Si | ≤ 10% Si |
| ● | ○ | | ● | ● | ○ | | | | | ○ | |

HSS profile



1. Stage hardening. Combines maximum hardness at the teeth with superior strength at the cutter body, reducing breakage to a minimum.

2. Extra deep inner ground cutting teeth. Helps stable "setting" of the cutter, reduces friction during drilling and helps (multiple) slug ejection.

3. Wall thickness matched to the diameter of the cutter, combining the best possible cutting time with strength.

4. Tapered inside fitment prevents the cutter getting stuck. Guaranteed slug(s) ejection with usage of the correct pilot pin.

5. Precise shank fitment for maximum interchangeability and close tolerance drilling without run-out.

6. Precise pilot pin fitment for perfect centration, hassle-free pin retraction and controlled lubricant flow.

7. Stack teeth geometry ensures stable and precise material
- penetration with fast cutting performance

8. Well-thought-out spiral flute angles for optimal chip removal.

9. Specially designed blades for optimum stability and heat-reduction.

10. Number of flutes and teeth matched to the diameter of the
- cutter for the best tooth load and superior cutting speeds.

11. Precision ground shanks for optimum fitment of the cutter itself in the tool holder and of pilot pin in the annular cutter. Increases safety, stability and accurate hole dimensions.

HSS Stack

Weldon shank



Shank sizes

DIA Ø 18 - 32 mm:
19.05 mm (3/4")

DIA Ø 11/16" - 1 1/4":
3/4"



DoC
Depth of Cut
measured
inside
cutter

| | DoC 55 mm Weldon | DoC 75 mm Weldon |
|------|---------------------|---------------------|
| DIA | Ø 18 - 32 mm | |
| | Code | Code |
| Ø 18 | HCPL.180 | HCPY.180 |
| Ø 19 | HCPL.190 | HCPY.190 |
| Ø 20 | HCPL.200 | HCPY.200 |
| Ø 21 | HCPL.210 | HCPY.210 |
| Ø 22 | HCPL.220 | HCPY.220 |
| Ø 23 | HCPL.230 | HCPY.230 |
| Ø 24 | HCPL.240 | HCPY.240 |
| Ø 25 | HCPL.250 | HCPY.250 |
| Ø 26 | HCPL.260 | HCPY.260 |
| Ø 27 | HCPL.270 | HCPY.270 |
| Ø 28 | HCPL.280 | HCPY.280 |
| Ø 29 | HCPL.290 | HCPY.290 |
| Ø 30 | HCPL.300 | HCPY.300 |
| Ø 31 | HCPL.310 | HCPY.310 |
| Ø 32 | HCPL.320 | HCPY.320 |

| | DoC 2" Weldon | DoC 3" Weldon |
|-----------|-------------------|------------------|
| DIA | Ø 11/16" - 1 1/4" | |
| | Code | Code |
| Ø 11/16" | HCPL.11/16" | HCPY.11/16" |
| Ø 3/4" | HCPL.3/4" | HCPY.3/4" |
| Ø 13/16" | HCPL.13/16" | HCPY.13/16" |
| Ø 7/8" | HCPL.7/8" | HCPY.7/8" |
| Ø 15/16" | HCPL.15/16" | HCPY.15/16" |
| Ø 1" | HCPL.1" | HCPY.1" |
| Ø 1 1/16" | HCPL.1-1/16" | HCPY.1-1/16" |
| Ø 1 1/8" | HCPL.1-1/8" | HCPY.1-1/8" |
| Ø 1 3/16" | HCPL.1-3/16" | HCPY.1-3/16" |
| Ø 1 1/4" | HCPL.1-1/4" | HCPY.1-1/4" |

Standard



Annular cutter
geometry slug

Stack cutting



Stack annular cutter
geometry slug

Annular cutter

High Speed Steel Cobalt

Euroboor HSS-Cobalt annular cutters are made of Molybdenum-Chromium-Vanadium-Tungsten alloy High Speed Steel with an additional 8% Cobalt (M42). The HSS-Cobalt annular cutter is specifically designed to remain cool when cutting holes. All flutes are fully ground, resulting in super-fast feed rates and smooth holes

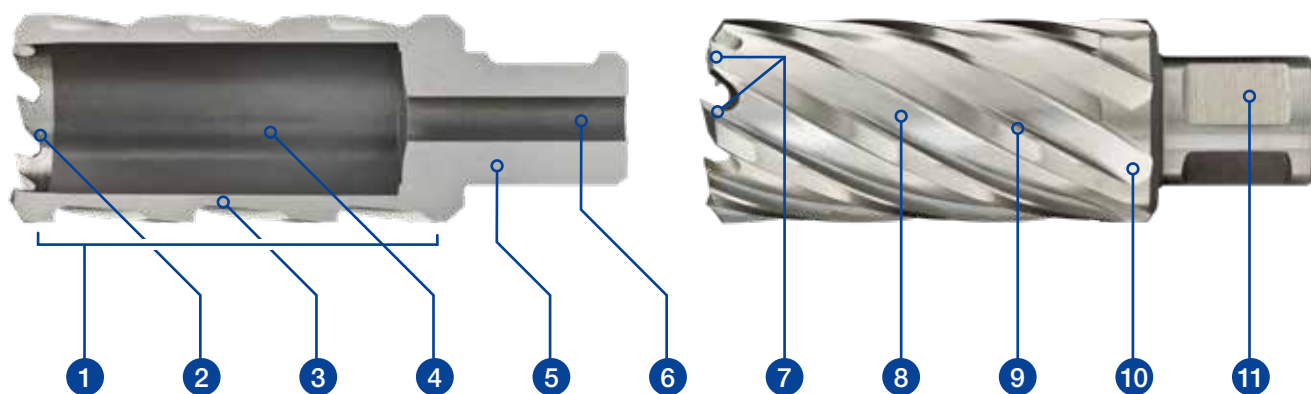
in hard materials, providing better chip clearance and higher cutting performances. The M42 HSS-Cobalt annular cutter is widely used in the metalworking industry for its superior red hardness compared to more conventional high speed steels. This will lead to shorter cycle times in production environments due to higher cutting speeds.

HSS-Cobalt material application

● Optimal ○ Good ○ Possible

| Plastics GRP/CRP | Brass, Copper, Tin | Grey cast iron | Steel | | | | | Stainless steel | | Aluminium | | Exotic materials, Inconnell, Nimonic, HARDOX, Hastelloy | Rails |
|---------------------|--------------------------|-------------------|--------|--------|--------|----------|----------|-----------------|--------|-----------|----------|---|-------|
| | | | < 500N | < 750N | < 900N | < 1,100N | < 1,400N | < 900N | ≤ 900N | < 10% Si | ≤ 10% Si | | |
| ● | ● | ○ | ● | ● | ● | ○ | ○ | ○ | ○ | ● | ○ | ○ | |

HSS-Cobalt profile



1. Stage hardening. Combines maximum hardness at the teeth with superior strength at the cutter body, reducing breakage to a minimum.
2. Inner ground cutting teeth. Helps stable "setting" of the cutter, reduces friction during and drilling and helps slug ejection.
3. Wall thickness matched to the diameter of the cutter, combining the best possible cutting time with strength.
4. Tapered inside fitment prevents the cutter getting stuck. Guaranteed slug ejection with usage of the correct pilot pin.
5. Precise shank fitment for maximum interchangeability and close tolerance drilling without run-out.
6. Precise pilot pin fitment for perfect centration, hassle-free pin retraction and controlled lubricant flow.
7. Altering "continuous pre-cut" teeth geometry. Generates faster and more stable drilling performance and results in clear cuts of the highest precision and smooth, burr-free finishes.
8. Well-thought-out spiral flute angles for optimal chip removal.
9. Specially designed blades for optimum stability and heat-reduction.
10. Number of flutes and teeth matched to the diameter of the cutter for the best tooth load and superior cutting speeds.
11. Precision ground shanks for optimum fitment of the cutter itself in the tool holder and of pilot pin in the annular cutter. Increases safety, stability and accurate hole dimensions.

HSS Cobalt

Weldon shank



Shank sizes

DIA Ø 12 - 60 mm:
19.05 mm (3/4")

DIA Ø 7/16" - 2 5/16":
3/4"



DoC

Depth of Cut
measured
inside
cutter

| | DoC 30 mm Weldon | DoC 55 mm Weldon |
|------|---------------------|---------------------|
| DIA | Ø 12 - 60 mm | |
| | Code | Code |
| Ø 12 | IBS.120 | IBL.120 |
| Ø 13 | IBS.130 | IBL.130 |
| Ø 14 | IBS.140 | IBL.140 |
| Ø 15 | IBS.150 | IBL.150 |
| Ø 16 | IBS.160 | IBL.160 |
| Ø 17 | IBS.170 | IBL.170 |
| Ø 18 | IBS.180 | IBL.180 |
| Ø 19 | IBS.190 | IBL.190 |
| Ø 20 | IBS.200 | IBL.200 |
| Ø 21 | IBS.210 | IBL.210 |
| Ø 22 | IBS.220 | IBL.220 |
| Ø 23 | IBS.230 | IBL.230 |
| Ø 24 | IBS.240 | IBL.240 |
| Ø 25 | IBS.250 | IBL.250 |
| Ø 26 | IBS.260 | IBL.260 |
| Ø 27 | IBS.270 | IBL.270 |
| Ø 28 | IBS.280 | IBL.280 |
| Ø 29 | IBS.290 | IBL.290 |
| Ø 30 | IBS.300 | IBL.300 |
| Ø 31 | IBS.310 | IBL.310 |
| Ø 32 | IBS.320 | IBL.320 |
| Ø 33 | IBS.330 | IBL.330 |
| Ø 34 | IBS.340 | IBL.340 |
| Ø 35 | IBS.350 | IBL.350 |
| Ø 36 | IBS.360 | IBL.360 |
| Ø 37 | IBS.370 | IBL.370 |
| Ø 38 | IBS.380 | IBL.380 |
| Ø 39 | IBS.390 | IBL.390 |
| Ø 40 | IBS.400 | IBL.400 |
| Ø 41 | IBS.410 | IBL.410 |
| Ø 42 | IBS.420 | IBL.420 |
| Ø 43 | IBS.430 | IBL.430 |
| Ø 44 | IBS.440 | IBL.440 |
| Ø 45 | IBS.450 | IBL.450 |
| Ø 46 | IBS.460 | IBL.460 |
| Ø 47 | IBS.470 | IBL.470 |
| Ø 48 | IBS.480 | IBL.480 |
| Ø 49 | IBS.490 | IBL.490 |
| Ø 50 | IBS.500 | IBL.500 |
| Ø 51 | IBS.510 | IBL.510 |
| Ø 52 | IBS.520 | IBL.520 |
| Ø 53 | IBS.530 | IBL.530 |
| Ø 54 | IBS.540 | IBL.540 |
| Ø 55 | IBS.550 | IBL.550 |
| Ø 56 | IBS.560 | IBL.560 |
| Ø 57 | IBS.570 | IBL.570 |
| Ø 58 | IBS.580 | IBL.580 |
| Ø 59 | IBS.590 | IBL.590 |
| Ø 60 | IBS.600 | IBL.600 |

| | DoC 1" Weldon | DoC 2" Weldon | DoC 3" Weldon |
|------------|-------------------|------------------|------------------|
| DIA | Ø 7/16" - 2 5/16" | | |
| | Code | Code | Code |
| Ø 7/16" | IBS.7/16" | IBL.7/16" | IBY.7/16" |
| Ø 1/2" | IBS.1/2" | IBL.1/2" | IBY.1/2" |
| Ø 9/16" | IBS.9/16" | IBL.9/16" | IBY.9/16" |
| Ø 5/8" | IBS.5/8" | IBL.5/8" | IBY.5/8" |
| Ø 11/16" | IBS.11/16" | IBL.11/16" | IBY.11/16" |
| Ø 3/4" | IBS.3/4" | IBL.3/4" | IBY.3/4" |
| Ø 13/16" | IBS.13/16" | IBL.13/16" | IBY.13/16" |
| Ø 7/8" | IBS.7/8" | IBL.7/8" | IBY.7/8" |
| Ø 15/16" | IBS.15/16" | IBL.15/16" | IBY.15/16" |
| Ø 1" | IBS.1" | IBL.1" | IBY.1" |
| Ø 1 1/16" | IBS.1-1/16" | IBL.1-1/16" | IBY.1-1/16" |
| Ø 1 1/8" | IBS.1-1/8" | IBL.1-1/8" | IBY.1-1/8" |
| Ø 1 3/16" | IBS.1-3/16" | IBL.1-3/16" | IBY.1-3/16" |
| Ø 1 1/4" | IBS.1-1/4" | IBL.1-1/4" | IBY.1-1/4" |
| Ø 1 5/16" | IBS.1-5/16" | IBL.1-5/16" | IBY.1-5/16" |
| Ø 1 3/8" | IBS.1-3/8" | IBL.1-3/8" | IBY.1-3/8" |
| Ø 1 7/16" | IBS.1-7/16" | IBL.1-7/16" | IBY.1-7/16" |
| Ø 1 1/2" | IBS.1-1/2" | IBL.1-1/2" | IBY.1-1/2" |
| Ø 1 9/16" | IBS.1-9/16" | IBL.1-9/16" | IBY.1-9/16" |
| Ø 1 5/8" | IBS.1-5/8" | IBL.1-5/8" | IBY.1-5/8" |
| Ø 1 11/16" | IBS.1-11/16" | IBL.1-11/16" | IBY.1-11/16" |
| Ø 1 3/4" | IBS.1-3/4" | IBL.1-3/4" | IBY.1-3/4" |
| Ø 1 13/16" | IBS.1-13/16" | IBL.1-13/16" | IBY.1-13/16" |
| Ø 1 7/8" | IBS.1-7/8" | IBL.1-7/8" | IBY.1-7/8" |
| Ø 1 15/16" | IBS.1-15/16" | IBL.1-15/16" | IBY.1-15/16" |
| Ø 2" | IBS.2" | IBL.2" | IBY.2" |
| Ø 2 1/16" | IBS.2-1/16" | IBL.2-1/16" | IBY.2-1/16" |
| Ø 2 1/8" | IBS.2-1/8" | IBL.2-1/8" | IBY.2-1/8" |
| Ø 2 3/16" | IBS.2-3/16" | IBL.2-3/16" | IBY.2-3/16" |
| Ø 2 1/4" | IBS.2-1/4" | IBL.2-1/4" | IBY.2-1/4" |
| Ø 2 5/16" | IBS.2-5/16" | IBL.2-5/16" | IBY.2-5/16" |

Annular cutter

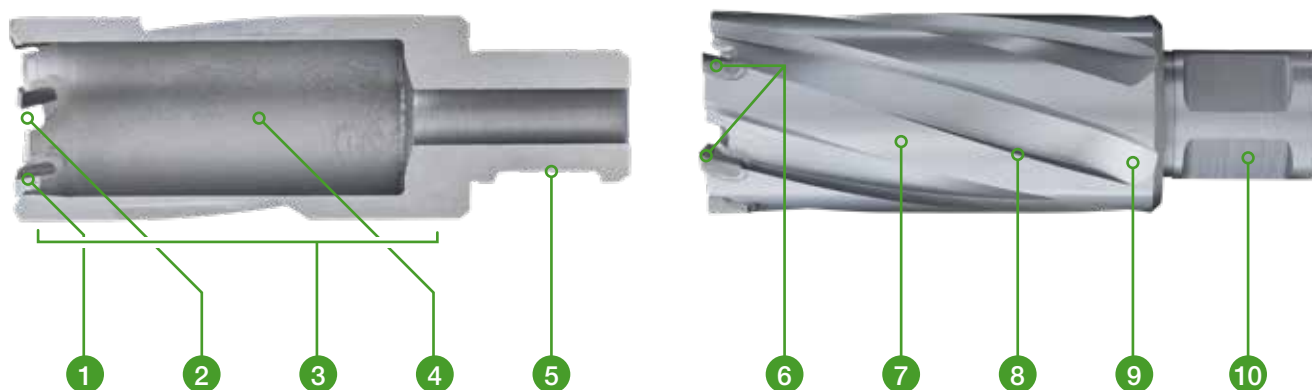
Tungsten Carbide Tipped

Euroboor TCT (**SANDVIK**) annular cutters are equipped with a spiral flute which creates optimum chip removal and makes seizure virtually impossible. These annular cutters are used for example in hardened materials such as HARDOX steel, stainless steels and high

tensile strength steel such as railway tracks. Because of the above composition, and when used in a proper way, these cutters are less susceptible to breakage than standard High Speed Steel cutters, especially in larger diameters and lengths.

| TCT material application | | | | | | | | | | | | | |
|---|--------------------------|-------------------|-------------|-------------|-------------|-------------|-------------|-----------------|-------------|-------------|-------------|---|-------------|
| <div><div></div>Optimal</div> <div><div></div>Good</div> <div><div></div>Possible</div> | | | | | | | | | | | | | |
| Plastics GRP/CRP | Brass, Copper, Tin | Grey cast iron | Steel | | | | | Stainless steel | | Aluminium | | Exotic materials, Inconnell, Nimonic, HARDOX, Hastelloy | Rails |
| | | | < 500N | < 750N | < 900N | < 1,100N | < 1,400N | < 900N | ≤ 900N | < 10% Si | ≤ 10% Si | | |
| | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> |

TCT profile



- Extremely hard and durable tungsten carbide cutting teeth (**SANDVIK**) for the hardest of drilling tasks. Offset positioning for the lowest possible heat development.
- Optimised cutting angles for shortest drilling times and clearest cuts.
- Special alloy body for optimum strength and durability.
- Tapered inside fitment prevents the cutter getting stuck. Guaranteed slug ejection with usage of the correct pilot pin.
- Precise shank fitment for maximum interchangeability and close tolerance drilling without run-out.
- Altering "continuous pre-cut" teeth geometry. Generates faster and more stable drilling performance and results in clear cuts of the highest precision and smooth, burr-free finishes. **SANDVIK** carbide tipped.
- Well-thought-out spiral flute angles for optimal chip removal.
- Specially designed blades for optimum stability and heat-reduction.
- Number of flutes and teeth matched to the diameter of the cutter for the best tooth load and superior cutting speeds.
- Precision ground shanks for optimum fitment of the cutter itself in the tool holder and of pilot pin in the annular cutter. Increases safety, stability and accurate hole dimensions.

TCT

Weldon shank



Nitto/Weldon shank



Shank sizes

DIA Ø 12 - 60 mm:
19.05 mm (3/4")

DIA Ø 61 - 200 mm:
31.75 mm (1 1/4")



DoC

Depth of Cut
measured
inside
cutter

| | DoC 35 mm Weldon | DoC 35 mm Nitto/Weldon | DoC 55 mm Weldon | DoC 55 mm Nitto/Weldon |
|------|---------------------|---------------------------|---------------------|---------------------------|
| DIA | Ø 12 - 100 mm | Ø 12 - 60 mm | Ø 12 - 200 mm | Ø 12 - 60 mm |
| | Code | Code | Code | Code |
| Ø 12 | HMS.120 | HMSU.120 | HML.120 | HMLU.120 |
| Ø 13 | HMS.130 | HMSU.130 | HML.130 | HMLU.130 |
| Ø 14 | HMS.140 | HMSU.140 | HML.140 | HMLU.140 |
| Ø 15 | HMS.150 | HMSU.150 | HML.150 | HMLU.150 |
| Ø 16 | HMS.160 | HMSU.160 | HML.160 | HMLU.160 |
| Ø 17 | HMS.170 | HMSU.170 | HML.170 | HMLU.170 |
| Ø 18 | HMS.180 | HMSU.180 | HML.180 | HMLU.180 |
| Ø 19 | HMS.190 | HMSU.190 | HML.190 | HMLU.190 |
| Ø 20 | HMS.200 | HMSU.200 | HML.200 | HMLU.200 |
| Ø 21 | HMS.210 | HMSU.210 | HML.210 | HMLU.210 |
| Ø 22 | HMS.220 | HMSU.220 | HML.220 | HMLU.220 |
| Ø 23 | HMS.230 | HMSU.230 | HML.230 | HMLU.230 |
| Ø 24 | HMS.240 | HMSU.240 | HML.240 | HMLU.240 |
| Ø 25 | HMS.250 | HMSU.250 | HML.250 | HMLU.250 |
| Ø 26 | HMS.260 | HMSU.260 | HML.260 | HMLU.260 |
| Ø 27 | HMS.270 | HMSU.270 | HML.270 | HMLU.270 |
| Ø 28 | HMS.280 | HMSU.280 | HML.280 | HMLU.280 |
| Ø 29 | HMS.290 | HMSU.290 | HML.290 | HMLU.290 |
| Ø 30 | HMS.300 | HMSU.300 | HML.300 | HMLU.300 |
| Ø 31 | HMS.310 | HMSU.310 | HML.310 | HMLU.310 |
| Ø 32 | HMS.320 | HMSU.320 | HML.320 | HMLU.320 |
| Ø 33 | HMS.330 | HMSU.330 | HML.330 | HMLU.330 |
| Ø 34 | HMS.340 | HMSU.340 | HML.340 | HMLU.340 |
| Ø 35 | HMS.350 | HMSU.350 | HML.350 | HMLU.350 |
| Ø 36 | HMS.360 | HMSU.360 | HML.360 | HMLU.360 |
| Ø 37 | HMS.370 | HMSU.370 | HML.370 | HMLU.370 |
| Ø 38 | HMS.380 | HMSU.380 | HML.380 | HMLU.380 |
| Ø 39 | HMS.390 | HMSU.390 | HML.390 | HMLU.390 |
| Ø 40 | HMS.400 | HMSU.400 | HML.400 | HMLU.400 |
| Ø 41 | HMS.410 | HMSU.410 | HML.410 | HMLU.410 |
| Ø 42 | HMS.420 | HMSU.420 | HML.420 | HMLU.420 |
| Ø 43 | HMS.430 | HMSU.430 | HML.430 | HMLU.430 |
| Ø 44 | HMS.440 | HMSU.440 | HML.440 | HMLU.440 |
| Ø 45 | HMS.450 | HMSU.450 | HML.450 | HMLU.450 |
| Ø 46 | HMS.460 | HMSU.460 | HML.460 | HMLU.460 |
| Ø 47 | HMS.470 | HMSU.470 | HML.470 | HMLU.470 |
| Ø 48 | HMS.480 | HMSU.480 | HML.480 | HMLU.480 |
| Ø 49 | HMS.490 | HMSU.490 | HML.490 | HMLU.490 |
| Ø 50 | HMS.500 | HMSU.500 | HML.500 | HMLU.500 |
| Ø 51 | HMS.510 | HMSU.510 | HML.510 | HMLU.510 |
| Ø 52 | HMS.520 | HMSU.520 | HML.520 | HMLU.520 |
| Ø 53 | HMS.530 | HMSU.530 | HML.530 | HMLU.530 |
| Ø 54 | HMS.540 | HMSU.540 | HML.540 | HMLU.540 |
| Ø 55 | HMS.550 | HMSU.550 | HML.550 | HMLU.550 |
| Ø 56 | HMS.560 | HMSU.560 | HML.560 | HMLU.560 |
| Ø 57 | HMS.570 | HMSU.570 | HML.570 | HMLU.570 |
| Ø 58 | HMS.580 | HMSU.580 | HML.580 | HMLU.580 |
| Ø 59 | HMS.590 | HMSU.590 | HML.590 | HMLU.590 |
| Ø 60 | HMS.600 | HMSU.600 | HML.600 | HMLU.600 |
| Ø 61 | HMS.610 | | HML.610 | |
| Ø 62 | HMS.620 | | HML.620 | |

| | DoC 35 mm Weldon | DoC 35 mm Nitto/Weldon | DoC 55 mm Weldon | DoC 55 mm Nitto/Weldon |
|-------|---------------------|---------------------------|---------------------|---------------------------|
| DIA | Ø 12 - 100 mm | Ø 12 - 60 mm | Ø 12 - 200 mm | Ø 12 - 60 mm |
| | Code | Code | Code | Code |
| Ø 63 | HMS.630 | | HML.630 | |
| Ø 64 | HMS.640 | | HML.640 | |
| Ø 65 | HMS.650 | | HML.650 | |
| Ø 66 | HMS.660 | | HML.660 | |
| Ø 67 | HMS.670 | | HML.670 | |
| Ø 68 | HMS.680 | | HML.680 | |
| Ø 69 | HMS.690 | | HML.690 | |
| Ø 70 | HMS.700 | | HML.700 | |
| Ø 71 | HMS.710 | | HML.710 | |
| Ø 72 | HMS.720 | | HML.720 | |
| Ø 73 | HMS.730 | | HML.730 | |
| Ø 74 | HMS.740 | | HML.740 | |
| Ø 75 | HMS.750 | | HML.750 | |
| Ø 76 | HMS.760 | | HML.760 | |
| Ø 77 | HMS.770 | | HML.770 | |
| Ø 78 | HMS.780 | | HML.780 | |
| Ø 79 | HMS.790 | | HML.790 | |
| Ø 80 | HMS.800 | | HML.800 | |
| Ø 81 | HMS.810 | | HML.810 | |
| Ø 82 | HMS.820 | | HML.820 | |
| Ø 83 | HMS.830 | | HML.830 | |
| Ø 84 | HMS.840 | | HML.840 | |
| Ø 85 | HMS.850 | | HML.850 | |
| Ø 86 | HMS.860 | | HML.860 | |
| Ø 87 | HMS.870 | | HML.870 | |
| Ø 88 | HMS.880 | | HML.880 | |
| Ø 89 | HMS.890 | | HML.890 | |
| Ø 90 | HMS.900 | | HML.900 | |
| Ø 91 | HMS.910 | | HML.910 | |
| Ø 92 | HMS.920 | | HML.920 | |
| Ø 93 | HMS.930 | | HML.930 | |
| Ø 94 | HMS.940 | | HML.940 | |
| Ø 95 | HMS.950 | | HML.950 | |
| Ø 96 | HMS.960 | | HML.960 | |
| Ø 97 | HMS.970 | | HML.970 | |
| Ø 98 | HMS.980 | | HML.980 | |
| Ø 99 | HMS.990 | | HML.990 | |
| Ø 100 | HMS.1000 | | HML.1000 | |
| Ø 101 | | | HML.1010 | |
| Ø 102 | | | HML.1020 | |
| Ø 103 | | | HML.1030 | |
| Ø 104 | | | HML.1040 | |
| Ø 105 | | | HML.1050 | |
| Ø 106 | | | HML.1060 | |
| Ø 107 | | | HML.1070 | |
| Ø 108 | | | HML.1080 | |
| Ø 109 | | | HML.1090 | |
| Ø 110 | | | HML.1100 | |
| Ø 111 | | | HML.1110 | |
| Ø 112 | | | HML.1120 | |
| Ø 113 | | | HML.1130 | |

TCT

Weldon shank



Nitto/Weldon shank



Shank sizes

DIA Ø 12 - 60 mm:
19.05 mm (3/4")

DIA Ø 61 - 200 mm:
31.75 mm (1 1/4")



TCT

Weldon shank



Nitto/Weldon shank



Shank sizes

DIA Ø 12 - 60 mm:
19.05 mm (3/4")

DIA Ø 61 - 200 mm:
31.75 mm (1 1/4")



DoC
Depth
of Cut
measured
inside
cutter

| | DoC 35 mm Weldon | DoC 35 mm Nitto/Weldon | DoC 55 mm Weldon | DoC 55 mm Nitto/Weldon |
|-------|---------------------|---------------------------|---------------------|---------------------------|
| DIA | Ø 12 - 100 mm | Ø 12 - 60 mm | Ø 12 - 200 mm | Ø 12 - 60 mm |
| | Code | Code | Code | Code |
| Ø 114 | | | HML.1140 | |
| Ø 115 | | | HML.1150 | |
| Ø 116 | | | HML.1160 | |
| Ø 117 | | | HML.1170 | |
| Ø 118 | | | HML.1180 | |
| Ø 119 | | | HML.1190 | |
| Ø 120 | | | HML.1200 | |
| Ø 121 | | | HML.1210 | |
| Ø 122 | | | HML.1220 | |
| Ø 123 | | | HML.1230 | |
| Ø 124 | | | HML.1240 | |
| Ø 125 | | | HML.1250 | |
| Ø 126 | | | HML.1260 | |
| Ø 127 | | | HML.1270 | |
| Ø 128 | | | HML.1280 | |
| Ø 129 | | | HML.1290 | |
| Ø 130 | | | HML.1300 | |
| Ø 131 | | | HML.1310 | |
| Ø 132 | | | HML.1320 | |
| Ø 133 | | | HML.1330 | |
| Ø 134 | | | HML.1340 | |
| Ø 135 | | | HML.1350 | |
| Ø 136 | | | HML.1360 | |
| Ø 137 | | | HML.1370 | |
| Ø 138 | | | HML.1380 | |
| Ø 139 | | | HML.1390 | |
| Ø 140 | | | HML.1400 | |
| Ø 141 | | | HML.1410 | |
| Ø 142 | | | HML.1420 | |
| Ø 143 | | | HML.1430 | |
| Ø 144 | | | HML.1440 | |
| Ø 145 | | | HML.1450 | |
| Ø 146 | | | HML.1460 | |
| Ø 147 | | | HML.1470 | |
| Ø 148 | | | HML.1480 | |
| Ø 149 | | | HML.1490 | |
| Ø 150 | | | HML.1500 | |
| Ø 151 | | | HML.1510 | |
| Ø 152 | | | HML.1520 | |
| Ø 153 | | | HML.1530 | |
| Ø 154 | | | HML.1540 | |
| Ø 155 | | | HML.1550 | |
| Ø 156 | | | HML.1560 | |
| Ø 157 | | | HML.1570 | |
| Ø 158 | | | HML.1580 | |
| Ø 159 | | | HML.1590 | |
| Ø 160 | | | HML.1600 | |
| Ø 161 | | | HML.1610 | |
| Ø 162 | | | HML.1620 | |
| Ø 163 | | | HML.1630 | |
| Ø 164 | | | HML.1640 | |

| | DoC 35 mm Weldon | DoC 35 mm Nitto/Weldon | DoC 55 mm Weldon | DoC 55 mm Nitto/Weldon |
|-------|---------------------|---------------------------|---------------------|---------------------------|
| DIA | Ø 12 - 100 mm | Ø 12 - 60 mm | Ø 12 - 200 mm | Ø 12 - 60 mm |
| | Code | Code | Code | Code |
| Ø 165 | | | HML.1650 | |
| Ø 166 | | | HML.1660 | |
| Ø 167 | | | HML.1670 | |
| Ø 168 | | | HML.1680 | |
| Ø 169 | | | HML.1690 | |
| Ø 170 | | | HML.1700 | |
| Ø 171 | | | HML.1710 | |
| Ø 172 | | | HML.1720 | |
| Ø 173 | | | HML.1730 | |
| Ø 174 | | | HML.1740 | |
| Ø 175 | | | HML.1750 | |
| Ø 176 | | | HML.1760 | |
| Ø 177 | | | HML.1770 | |
| Ø 178 | | | HML.1780 | |
| Ø 179 | | | HML.1790 | |
| Ø 180 | | | HML.1800 | |
| Ø 181 | | | HML.1810 | |
| Ø 182 | | | HML.1820 | |
| Ø 183 | | | HML.1830 | |
| Ø 184 | | | HML.1840 | |
| Ø 185 | | | HML.1850 | |
| Ø 186 | | | HML.1860 | |
| Ø 187 | | | HML.1870 | |
| Ø 188 | | | HML.1880 | |
| Ø 189 | | | HML.1890 | |
| Ø 190 | | | HML.1900 | |
| Ø 191 | | | HML.1910 | |
| Ø 192 | | | HML.1920 | |
| Ø 193 | | | HML.1930 | |
| Ø 194 | | | HML.1940 | |
| Ø 195 | | | HML.1950 | |
| Ø 196 | | | HML.1960 | |
| Ø 197 | | | HML.1970 | |
| Ø 198 | | | HML.1980 | |
| Ø 199 | | | HML.1990 | |
| Ø 200 | | | HML.2000 | |

TCT

Weldon shank



Nitto/Weldon shank



Shank sizes

DIA Ø 12 - 60 mm:
19.05 mm (3/4")

DIA Ø 61 - 200 mm:
31.75 mm (1 1/4")



TCT

Weldon shank



Shank sizes

DIA Ø 12 - 60 mm:
19.05 mm (3/4")

DIA Ø 61 - 200 mm:
31.75 mm (1 1/4")



DoC

Depth of Cut
measured
inside
cutter

| | DoC 75 mm Weldon | DoC 100 mm Weldon | DoC 150 mm Weldon | DoC 200 mm Weldon |
|------|---------------------|----------------------|----------------------|----------------------|
| DIA | Ø 12 - 50 mm | Ø 12 - 200 mm | Ø 22 - 200 mm | Ø 22 - 200 mm |
| | Code | Code | Code | Code |
| Ø 12 | HMY.120 | HMX.120 | | |
| Ø 13 | HMY.130 | HMX.130 | | |
| Ø 14 | HMY.140 | HMX.140 | | |
| Ø 15 | HMY.150 | HMX.150 | | |
| Ø 16 | HMY.160 | HMX.160 | | |
| Ø 17 | HMY.170 | HMX.170 | | |
| Ø 18 | HMY.180 | HMX.180 | | |
| Ø 19 | HMY.190 | HMX.190 | | |
| Ø 20 | HMY.200 | HMX.200 | | |
| Ø 21 | HMY.210 | HMX.210 | | |
| Ø 22 | HMY.220 | HMX.220 | HMW.220 | HMV.220 |
| Ø 23 | HMY.230 | HMX.230 | HMW.230 | HMV.230 |
| Ø 24 | HMY.240 | HMX.240 | HMW.240 | HMV.240 |
| Ø 25 | HMY.250 | HMX.250 | HMW.250 | HMV.250 |
| Ø 26 | HMY.260 | HMX.260 | HMW.260 | HMV.260 |
| Ø 27 | HMY.270 | HMX.270 | HMW.270 | HMV.270 |
| Ø 28 | HMY.280 | HMX.280 | HMW.280 | HMV.280 |
| Ø 29 | HMY.290 | HMX.290 | HMW.290 | HMV.290 |
| Ø 30 | HMY.300 | HMX.300 | HMW.300 | HMV.300 |
| Ø 31 | HMY.310 | HMX.310 | HMW.310 | HMV.310 |
| Ø 32 | HMY.320 | HMX.320 | HMW.320 | HMV.320 |
| Ø 33 | HMY.330 | HMX.330 | HMW.330 | HMV.330 |
| Ø 34 | HMY.340 | HMX.340 | HMW.340 | HMV.340 |
| Ø 35 | HMY.350 | HMX.350 | HMW.350 | HMV.350 |
| Ø 36 | HMY.360 | HMX.360 | HMW.360 | HMV.360 |
| Ø 37 | HMY.370 | HMX.370 | HMW.370 | HMV.370 |
| Ø 38 | HMY.380 | HMX.380 | HMW.380 | HMV.380 |
| Ø 39 | HMY.390 | HMX.390 | HMW.390 | HMV.390 |
| Ø 40 | HMY.400 | HMX.400 | HMW.400 | HMV.400 |
| Ø 41 | HMY.410 | HMX.410 | HMW.410 | HMV.410 |
| Ø 42 | HMY.420 | HMX.420 | HMW.420 | HMV.420 |
| Ø 43 | HMY.430 | HMX.430 | HMW.430 | HMV.430 |
| Ø 44 | HMY.440 | HMX.440 | HMW.440 | HMV.440 |
| Ø 45 | HMY.450 | HMX.450 | HMW.450 | HMV.450 |
| Ø 46 | HMY.460 | HMX.460 | HMW.460 | HMV.460 |
| Ø 47 | HMY.470 | HMX.470 | HMW.470 | HMV.470 |
| Ø 48 | HMY.480 | HMX.480 | HMW.480 | HMV.480 |
| Ø 49 | HMY.490 | HMX.490 | HMW.490 | HMV.490 |
| Ø 50 | HMY.500 | HMX.500 | HMW.500 | HMV.500 |
| Ø 51 | | HMX.510 | HMW.510 | HMV.510 |
| Ø 52 | | HMX.520 | HMW.520 | HMV.520 |
| Ø 53 | | HMX.530 | HMW.530 | HMV.530 |
| Ø 54 | | HMX.540 | HMW.540 | HMV.540 |
| Ø 55 | | HMX.550 | HMW.550 | HMV.550 |
| Ø 56 | | HMX.560 | HMW.560 | HMV.560 |
| Ø 57 | | HMX.570 | HMW.570 | HMV.570 |
| Ø 58 | | HMX.580 | HMW.580 | HMV.580 |
| Ø 59 | | HMX.590 | HMW.590 | HMV.590 |
| Ø 60 | | HMX.600 | HMW.600 | HMV.600 |
| Ø 61 | | HMX.610 | HMW.610 | HMV.610 |
| Ø 62 | | HMX.620 | HMW.620 | HMV.620 |

| | DoC 75 mm Weldon | DoC 100 mm Weldon | DoC 150 mm Weldon | DoC 200 mm Weldon |
|-------|---------------------|----------------------|----------------------|----------------------|
| DIA | Ø 12 - 50 mm | Ø 12 - 200 mm | Ø 22 - 200 mm | Ø 22 - 200 mm |
| | Code | Code | Code | Code |
| Ø 63 | | HMX.630 | HMW.630 | HMV.630 |
| Ø 64 | | HMX.640 | HMW.640 | HMV.640 |
| Ø 65 | | HMX.650 | HMW.650 | HMV.650 |
| Ø 66 | | HMX.660 | HMW.660 | HMV.660 |
| Ø 67 | | HMX.670 | HMW.670 | HMV.670 |
| Ø 68 | | HMX.680 | HMW.680 | HMV.680 |
| Ø 69 | | HMX.690 | HMW.690 | HMV.690 |
| Ø 70 | | HMX.700 | HMW.700 | HMV.700 |
| Ø 71 | | HMX.710 | HMW.710 | HMV.710 |
| Ø 72 | | HMX.720 | HMW.720 | HMV.720 |
| Ø 73 | | HMX.730 | HMW.730 | HMV.730 |
| Ø 74 | | HMX.740 | HMW.740 | HMV.740 |
| Ø 75 | | HMX.750 | HMW.750 | HMV.750 |
| Ø 76 | | HMX.760 | HMW.760 | HMV.760 |
| Ø 77 | | HMX.770 | HMW.770 | HMV.770 |
| Ø 78 | | HMX.780 | HMW.780 | HMV.780 |
| Ø 79 | | HMX.790 | HMW.790 | HMV.790 |
| Ø 80 | | HMX.800 | HMW.800 | HMV.800 |
| Ø 81 | | HMX.810 | HMW.810 | HMV.810 |
| Ø 82 | | HMX.820 | HMW.820 | HMV.820 |
| Ø 83 | | HMX.830 | HMW.830 | HMV.830 |
| Ø 84 | | HMX.840 | HMW.840 | HMV.840 |
| Ø 85 | | HMX.850 | HMW.850 | HMV.850 |
| Ø 86 | | HMX.860 | HMW.860 | HMV.860 |
| Ø 87 | | HMX.870 | HMW.870 | HMV.870 |
| Ø 88 | | HMX.880 | HMW.880 | HMV.880 |
| Ø 89 | | HMX.890 | HMW.890 | HMV.890 |
| Ø 90 | | HMX.900 | HMW.900 | HMV.900 |
| Ø 91 | | HMX.910 | HMW.910 | HMV.910 |
| Ø 92 | | HMX.920 | HMW.920 | HMV.920 |
| Ø 93 | | HMX.930 | HMW.930 | HMV.930 |
| Ø 94 | | HMX.940 | HMW.940 | HMV.940 |
| Ø 95 | | HMX.950 | HMW.950 | HMV.950 |
| Ø 96 | | HMX.960 | HMW.960 | HMV.960 |
| Ø 97 | | HMX.970 | HMW.970 | HMV.970 |
| Ø 98 | | HMX.980 | HMW.980 | HMV.980 |
| Ø 99 | | HMX.990 | HMW.990 | HMV.990 |
| Ø 100 | | HMX.1000 | HMW.1000 | HMV.1000 |
| Ø 101 | | HMX.1010 | HMW.1010 | HMV.1010 |
| Ø 102 | | HMX.1020 | HMW.1020 | HMV.1020 |
| Ø 103 | | HMX.1030 | HMW.1030 | HMV.1030 |
| Ø 104 | | HMX.1040 | HMW.1040 | HMV.1040 |
| Ø 105 | | HMX.1050 | HMW.1050 | HMV.1050 |
| Ø 106 | | HMX.1060 | HMW.1060 | HMV.1060 |
| Ø 107 | | HMX.1070 | HMW.1070 | HMV.1070 |
| Ø 108 | | HMX.1080 | HMW.1080 | HMV.1080 |
| Ø 109 | | HMX.1090 | HMW.1090 | HMV.1090 |
| Ø 110 | | HMX.1100 | HMW.1100 | HMV.1100 |
| Ø 111 | | HMX.1110 | HMW.1110 | HMV.1110 |
| Ø 112 | | HMX.1120 | HMW.1120 | HMV.1120 |
| Ø 113 | | HMX.1130 | HMW.1130 | HMV.1130 |

TCT

Weldon shank



Shank sizes

DIA Ø 12 - 60 mm:
19.05 mm (3/4")DIA Ø 61 - 200 mm:
31.75 mm (1 1/4")

DoC

Depth
of Cut
measured
inside
cutter

TCT

Weldon shank



Shank sizes

DIA Ø 12 - 60 mm:
19.05 mm (3/4")

DIA Ø 61 - 200 mm:
31.75 mm (1 1/4")



DoC

Depth of Cut
measured
inside
cutter

| | DoC 75 mm Weldon | DoC 100 mm Weldon | DoC 150 mm Weldon | DoC 200 mm Weldon |
|-------|---------------------|----------------------|----------------------|----------------------|
| DIA | Ø 12 - 50 mm | Ø 12 - 200 mm | Ø 22 - 200 mm | Ø 22 - 200 mm |
| | Code | Code | Code | Code |
| Ø 114 | | HMX.1140 | HMW.1140 | HMV.1140 |
| Ø 115 | | HMX.1150 | HMW.1150 | HMV.1150 |
| Ø 116 | | HMX.1160 | HMW.1160 | HMV.1160 |
| Ø 117 | | HMX.1170 | HMW.1170 | HMV.1170 |
| Ø 118 | | HMX.1180 | HMW.1180 | HMV.1180 |
| Ø 119 | | HMX.1190 | HMW.1190 | HMV.1190 |
| Ø 120 | | HMX.1200 | HMW.1200 | HMV.1200 |
| Ø 121 | | HMX.1210 | HMW.1210 | HMV.1210 |
| Ø 122 | | HMX.1220 | HMW.1220 | HMV.1220 |
| Ø 123 | | HMX.1230 | HMW.1230 | HMV.1230 |
| Ø 124 | | HMX.1240 | HMW.1240 | HMV.1240 |
| Ø 125 | | HMX.1250 | HMW.1250 | HMV.1250 |
| Ø 126 | | HMX.1260 | HMW.1260 | HMV.1260 |
| Ø 127 | | HMX.1270 | HMW.1270 | HMV.1270 |
| Ø 128 | | HMX.1280 | HMW.1280 | HMV.1280 |
| Ø 129 | | HMX.1290 | HMW.1290 | HMV.1290 |
| Ø 130 | | HMX.1300 | HMW.1300 | HMV.1300 |
| Ø 131 | | HMX.1310 | HMW.1310 | HMV.1310 |
| Ø 132 | | HMX.1320 | HMW.1320 | HMV.1320 |
| Ø 133 | | HMX.1330 | HMW.1330 | HMV.1330 |
| Ø 134 | | HMX.1340 | HMW.1340 | HMV.1340 |
| Ø 135 | | HMX.1350 | HMW.1350 | HMV.1350 |
| Ø 136 | | HMX.1360 | HMW.1360 | HMV.1360 |
| Ø 137 | | HMX.1370 | HMW.1370 | HMV.1370 |
| Ø 138 | | HMX.1380 | HMW.1380 | HMV.1380 |
| Ø 139 | | HMX.1390 | HMW.1390 | HMV.1390 |
| Ø 140 | | HMX.1400 | HMW.1400 | HMV.1400 |
| Ø 141 | | HMX.1410 | HMW.1410 | HMV.1410 |
| Ø 142 | | HMX.1420 | HMW.1420 | HMV.1420 |
| Ø 143 | | HMX.1430 | HMW.1430 | HMV.1430 |
| Ø 144 | | HMX.1440 | HMW.1440 | HMV.1440 |
| Ø 145 | | HMX.1450 | HMW.1450 | HMV.1450 |
| Ø 146 | | HMX.1460 | HMW.1460 | HMV.1460 |
| Ø 147 | | HMX.1470 | HMW.1470 | HMV.1470 |
| Ø 148 | | HMX.1480 | HMW.1480 | HMV.1480 |
| Ø 149 | | HMX.1490 | HMW.1490 | HMV.1490 |
| Ø 150 | | HMX.1500 | HMW.1500 | HMV.1500 |
| Ø 151 | | HMX.1510 | HMW.1510 | HMV.1510 |
| Ø 152 | | HMX.1520 | HMW.1520 | HMV.1520 |
| Ø 153 | | HMX.1530 | HMW.1530 | HMV.1530 |
| Ø 154 | | HMX.1540 | HMW.1540 | HMV.1540 |
| Ø 155 | | HMX.1550 | HMW.1550 | HMV.1550 |
| Ø 156 | | HMX.1560 | HMW.1560 | HMV.1560 |
| Ø 157 | | HMX.1570 | HMW.1570 | HMV.1570 |
| Ø 158 | | HMX.1580 | HMW.1580 | HMV.1580 |
| Ø 159 | | HMX.1590 | HMW.1590 | HMV.1590 |
| Ø 160 | | HMX.1600 | HMW.1600 | HMV.1600 |
| Ø 161 | | HMX.1610 | HMW.1610 | HMV.1610 |
| Ø 162 | | HMX.1620 | HMW.1620 | HMV.1620 |
| Ø 163 | | HMX.1630 | HMW.1630 | HMV.1630 |
| Ø 164 | | HMX.1640 | HMW.1640 | HMV.1640 |

| | DoC 75 mm Weldon | DoC 100 mm Weldon | DoC 150 mm Weldon | DoC 200 mm Weldon |
|-------|---------------------|----------------------|----------------------|----------------------|
| DIA | Ø 12 - 50 mm | Ø 12 - 200 mm | Ø 22 - 200 mm | Ø 22 - 200 mm |
| | Code | Code | Code | Code |
| Ø 165 | | HMX.1650 | HMW.1650 | HMV.1650 |
| Ø 166 | | HMX.1660 | HMW.1660 | HMV.1660 |
| Ø 167 | | HMX.1670 | HMW.1670 | HMV.1670 |
| Ø 168 | | HMX.1680 | HMW.1680 | HMV.1680 |
| Ø 169 | | HMX.1690 | HMW.1690 | HMV.1690 |
| Ø 170 | | HMX.1700 | HMW.1700 | HMV.1700 |
| Ø 171 | | HMX.1710 | HMW.1710 | HMV.1710 |
| Ø 172 | | HMX.1720 | HMW.1720 | HMV.1720 |
| Ø 173 | | HMX.1730 | HMW.1730 | HMV.1730 |
| Ø 174 | | HMX.1740 | HMW.1740 | HMV.1740 |
| Ø 175 | | HMX.1750 | HMW.1750 | HMV.1750 |
| Ø 176 | | HMX.1760 | HMW.1760 | HMV.1760 |
| Ø 177 | | HMX.1770 | HMW.1770 | HMV.1770 |
| Ø 178 | | HMX.1780 | HMW.1780 | HMV.1780 |
| Ø 179 | | HMX.1790 | HMW.1790 | HMV.1790 |
| Ø 180 | | HMX.1800 | HMW.1800 | HMV.1800 |
| Ø 181 | | HMX.1810 | HMW.1810 | HMV.1810 |
| Ø 182 | | HMX.1820 | HMW.1820 | HMV.1820 |
| Ø 183 | | HMX.1830 | HMW.1830 | HMV.1830 |
| Ø 184 | | HMX.1840 | HMW.1840 | HMV.1840 |
| Ø 185 | | HMX.1850 | HMW.1850 | HMV.1850 |
| Ø 186 | | HMX.1860 | HMW.1860 | HMV.1860 |
| Ø 187 | | HMX.1870 | HMW.1870 | HMV.1870 |
| Ø 188 | | HMX.1880 | HMW.1880 | HMV.1880 |
| Ø 189 | | HMX.1890 | HMW.1890 | HMV.1890 |
| Ø 190 | | HMX.1900 | HMW.1900 | HMV.1900 |
| Ø 191 | | HMX.1910 | HMW.1910 | HMV.1910 |
| Ø 192 | | HMX.1920 | HMW.1920 | HMV.1920 |
| Ø 193 | | HMX.1930 | HMW.1930 | HMV.1930 |
| Ø 194 | | HMX.1940 | HMW.1940 | HMV.1940 |
| Ø 195 | | HMX.1950 | HMW.1950 | HMV.1950 |
| Ø 196 | | HMX.1960 | HMW.1960 | HMV.1960 |
| Ø 197 | | HMX.1970 | HMW.1970 | HMV.1970 |
| Ø 198 | | HMX.1980 | HMW.1980 | HMV.1980 |
| Ø 199 | | HMX.1990 | HMW.1990 | HMV.1990 |
| Ø 200 | | HMX.2000 | HMW.2000 | HMV.2000 |

TCT

Weldon shank



Shank sizes

DIA Ø 12 - 60 mm:
19.05 mm (3/4")

DIA Ø 61 - 200 mm:
31.75 mm (1 1/4")



TCT

Weldon shank



Nitto/Weldon shank



Shank sizes

DIA Ø 7/16" - 2 5/16":
3/4"

DIA Ø 2 3/8" - 8":
1 1/4"



DoC

Depth of Cut
measured
inside
cutter

| | DoC 1" Weldon | DoC 1" Nitto/Weldon | DoC 2" Weldon | DoC 2" Nitto/Weldon |
|------------|------------------|------------------------|------------------|------------------------|
| DIA | Ø 7/16" - 4" | Ø 7/16" - 2 5/16" | Ø 7/16" - 8" | Ø 7/16" - 2 5/16" |
| | Code | Code | Code | Code |
| Ø 7/16" | HMS.7/16" | HMSU.7/16" | HML.7/16" | HMLU.7/16" |
| Ø 1/2" | HMS.1/2" | HMSU.1/2" | HML.1/2" | HMLU.1/2" |
| Ø 9/16" | HMS.9/16" | HMSU.9/16" | HML.9/16" | HMLU.9/16" |
| Ø 5/8" | HMS.5/8" | HMSU.5/8" | HML.5/8" | HMLU.5/8" |
| Ø 11/16" | HMS.11/16" | HMSU.11/16" | HML.11/16" | HMLU.11/16" |
| Ø 3/4" | HMS.3/4" | HMSU.3/4" | HML.3/4" | HMLU.3/4" |
| Ø 13/16" | HMS.13/16" | HMSU.13/16" | HML.13/16" | HMLU.13/16" |
| Ø 7/8" | HMS.7/8" | HMSU.7/8" | HML.7/8" | HMLU.7/8" |
| Ø 15/16" | HMS.15/16" | HMSU.15/16" | HML.15/16" | HMLU.15/16" |
| Ø 1" | HMS.1" | HMSU.1" | HML.1" | HMLU.1" |
| Ø 1 1/16" | HMS.1-1/16" | HMSU.1-1/16" | HML.1-1/16" | HMLU.1-1/16" |
| Ø 1 1/8" | HMS.1-1/8" | HMSU.1-1/8" | HML.1-1/8" | HMLU.1-1/8" |
| Ø 1 3/16" | HMS.1-3/16" | HMSU.1-3/16" | HML.1-3/16" | HMLU.1-3/16" |
| Ø 1 1/4" | HMS.1-1/4" | HMSU.1-1/4" | HML.1-1/4" | HMLU.1-1/4" |
| Ø 1 5/16" | HMS.1-5/16" | HMSU.1-5/16" | HML.1-5/16" | HMLU.1-5/16" |
| Ø 1 3/8" | HMS.1-3/8" | HMSU.1-3/8" | HML.1-3/8" | HMLU.1-3/8" |
| Ø 1 7/16" | HMS.1-7/16" | HMSU.1-7/16" | HML.1-7/16" | HMLU.1-7/16" |
| Ø 1 1/2" | HMS.1-1/2" | HMSU.1-1/2" | HML.1-1/2" | HMLU.1-1/2" |
| Ø 1 9/16" | HMS.1-9/16" | HMSU.1-9/16" | HML.1-9/16" | HMLU.1-9/16" |
| Ø 1 5/8" | HMS.1-5/8" | HMSU.1-5/8" | HML.1-5/8" | HMLU.1-5/8" |
| Ø 1 11/16" | HMS.1-11/16" | HMSU.1-11/16" | HML.1-11/16" | HMLU.1-11/16" |
| Ø 1 3/4" | HMS.1-3/4" | HMSU.1-3/4" | HML.1-3/4" | HMLU.1-3/4" |
| Ø 1 13/16" | HMS.1-13/16" | HMSU.1-13/16" | HML.1-13/16" | HMLU.1-13/16" |
| Ø 1 7/8" | HMS.1-7/8" | HMSU.1-7/8" | HML.1-7/8" | HMLU.1-7/8" |
| Ø 1 15/16" | HMS.1-15/16" | HMSU.1-15/16" | HML.1-15/16" | HMLU.1-15/16" |
| Ø 2" | HMS.2" | HMSU.2" | HML.2" | HMLU.2" |
| Ø 2 1/16" | HMS.2-1/16" | HMSU.2-1/16" | HML.2-1/16" | HMLU.2-1/16" |
| Ø 2 1/8" | HMS.2-1/8" | HMSU.2-1/8" | HML.2-1/8" | HMLU.2-1/8" |
| Ø 2 3/16" | HMS.2-3/16" | HMSU.2-3/16" | HML.2-3/16" | HMLU.2-3/16" |
| Ø 2 1/4" | HMS.2-1/4" | HMSU.2-1/4" | HML.2-1/4" | HMLU.2-1/4" |
| Ø 2 5/16" | HMS.2-5/16" | HMSU.2-5/16" | HML.2-5/16" | HMLU.2-5/16" |
| Ø 2 3/8" | HMS.2-3/8" | | HML.2-3/8" | |
| Ø 2 7/16" | HMS.2-7/16" | | HML.2-7/16" | |
| Ø 2 1/2" | HMS.2-1/2" | | HML.2-1/2" | |
| Ø 2 9/16" | HMS.2-9/16" | | HML.2-9/16" | |
| Ø 2 5/8" | HMS.2-5/8" | | HML.2-5/8" | |
| Ø 2 11/16" | HMS.2-11/16" | | HML.2-11/16" | |
| Ø 2 3/4" | HMS.2-3/4" | | HML.2-3/4" | |
| Ø 2 13/16" | HMS.2-13/16" | | HML.2-13/16" | |
| Ø 2 7/8" | HMS.2-7/8" | | HML.2-7/8" | |
| Ø 2 15/16" | HMS.2-15/16" | | HML.2-15/16" | |
| Ø 3" | HMS.3" | | HML.3" | |
| Ø 3 1/16" | HMS.3-1/16" | | HML.3-1/16" | |
| Ø 3 1/8" | HMS.3-1/8" | | HML.3-1/8" | |
| Ø 3 3/16" | HMS.3-3/16" | | HML.3-3/16" | |
| Ø 3 1/4" | HMS.3-1/4" | | HML.3-1/4" | |
| Ø 3 5/16" | HMS.3-5/16" | | HML.3-5/16" | |
| Ø 3 3/8" | HMS.3-3/8" | | HML.3-3/8" | |
| Ø 3 7/16" | HMS.3-7/16" | | HML.3-7/16" | |
| Ø 3 1/2" | HMS.3-1/2" | | HML.3-1/2" | |
| Ø 3 9/16" | HMS.3-9/16" | | HML.3-9/16" | |

| | DoC 1" Weldon | DoC 1" Nitto/Weldon | DoC 2" Weldon | DoC 2" Nitto/Weldon |
|------------|------------------|------------------------|------------------|------------------------|
| DIA | Ø 7/16" - 4" | Ø 7/16" - 2 5/16" | Ø 7/16" - 8" | Ø 7/16" - 2 5/16" |
| | Code | Code | Code | Code |
| Ø 3 5/8" | HMS.3-5/8" | | HML.3-5/8" | |
| Ø 3 11/16" | HMS.3-11/16" | | HML.3-11/16" | |
| Ø 3 3/4" | HMS.3-3/4" | | HML.3-3/4" | |
| Ø 3 13/16" | HMS.3-13/16" | | HML.3-13/16" | |
| Ø 3 7/8" | HMS.3-7/8" | | HML.3-7/8" | |
| Ø 3 15/16" | HMS.3-15/16" | | HML.3-15/16" | |
| Ø 4" | HMS.4" | | HML.4" | |
| Ø 4 1/16" | | | HML.4-1/16" | |
| Ø 4 1/8" | | | HML.4-1/8" | |
| Ø 4 3/16" | | | HML.4-3/16" | |
| Ø 4 1/4" | | | HML.4-1/4" | |
| Ø 4 5/16" | | | HML.4-5/16" | |
| Ø 4 3/8" | | | HML.4-3/8" | |
| Ø 4 7/16" | | | HML.4-7/16" | |
| Ø 4 1/2" | | | HML.4-1/2" | |
| Ø 4 9/16" | | | HML.4-9/16" | |
| Ø 4 5/8" | | | HML.4-5/8" | |
| Ø 4 11/16" | | | HML.4-11/16" | |
| Ø 4 3/4" | | | HML.4-3/4" | |
| Ø 4 13/16" | | | HML.4-13/16" | |
| Ø 4 7/8" | | | HML.4-7/8" | |
| Ø 4 15/16" | | | HML.4-15/16" | |
| Ø 5" | | | HML.5" | |
| Ø 5 1/16" | | | HML.5-1/16" | |
| Ø 5 1/8" | | | HML.5-1/8" | |
| Ø 5 3/16" | | | HML.5-3/16" | |
| Ø 5 1/4" | | | HML.5-1/4" | |
| Ø 5 5/16" | | | HML.5-5/16" | |
| Ø 5 3/8" | | | HML.5-3/8" | |
| Ø 5 7/16" | | | HML.5-7/16" | |
| Ø 5 1/2" | | | HML.5-1/2" | |
| Ø 5 9/16" | | | HML.5-9/16" | |
| Ø 5 5/8" | | | HML.5-5/8" | |
| Ø 5 11/16" | | | HML.5-11/16" | |
| Ø 5 3/4" | | | HML.5-3/4" | |
| Ø 5 13/16" | | | HML.5-13/16" | |
| Ø 5 7/8" | | | HML.5-7/8" | |
| Ø 5 15/16" | | | HML.5-15/16" | |
| Ø 6" | | | HML.6" | |
| Ø 6 1/16" | | | HML.6-1/16" | |
| Ø 6 1/8" | | | HML.6-1/8" | |
| Ø 6 3/16" | | | HML.6-3/16" | |
| Ø 6 1/4" | | | HML.6-1/4" | |
| Ø 6 5/16" | | | HML.6-5/16" | |
| Ø 6 3/8" | | | HML.6-3/8" | |
| Ø 6 7/16" | | | HML.6-7/16" | |
| Ø 6 1/2" | | | HML.6-1/2" | |
| Ø 6 9/16" | | | HML.6-9/16" | |
| Ø 6 5/8" | | | HML.6-5/8" | |
| Ø 6 11/16" | | | HML.6-11/16" | |
| Ø 6 3/4" | | | HML.6-3/4" | |

TCT

Weldon shank



Nitto/Weldon shank



Shank sizes

DIA Ø 7/16" - 2 3/8":
3/4"

DIA Ø 2 7/16" - 8":
1 1/4"



TCT

Weldon shank



Nitto/Weldon shank



Shank sizes

DIA Ø 7/16" - 2 3/8":
3/4"

DIA Ø 2 7/16" - 8":
1 1/4"



DoC
Depth of Cut
measured
inside
cutter

| | DoC 1" Weldon | DoC 1" Nitto/Weldon | DoC 2" Weldon | DoC 2" Nitto/Weldon |
|------------|------------------|------------------------|------------------|------------------------|
| DIA | Ø 7/16" - 4" | Ø 7/16" - 2 5/16" | Ø 7/16" - 8" | Ø 7/16" - 2 5/16" |
| | Code | Code | Code | Code |
| Ø 6 13/16" | | | HML.6-13/16" | |
| Ø 6 7/8" | | | HML.6-7/8" | |
| Ø 6 15/16" | | | HML.6-15/16" | |
| Ø 7" | | | HML.7" | |
| Ø 7 1/16" | | | HML.7-1/16" | |
| Ø 7 1/8" | | | HML.7-1/8" | |
| Ø 7 3/16" | | | HML.7-3/16" | |
| Ø 7 1/4" | | | HML.7-1/4" | |
| Ø 7 5/16" | | | HML.7-5/16" | |
| Ø 7 3/8" | | | HML.7-3/8" | |
| Ø 7 7/16" | | | HML.7-7/16" | |
| Ø 7 1/2" | | | HML.7-1/2" | |
| Ø 7 9/16" | | | HML.7-9/16" | |
| Ø 7 5/8" | | | HML.7-5/8" | |
| Ø 7 11/16" | | | HML.7-11/16" | |
| Ø 7 3/4" | | | HML.7-3/4" | |
| Ø 7 13/16" | | | HML.7-13/16" | |
| Ø 7 7/8" | | | HML.7-7/8" | |
| Ø 7 15/16" | | | HML.7-15/16" | |
| Ø 8" | | | HML.8" | |

| | DoC 3" Weldon | DoC 4" Weldon | DoC 6" Weldon | DoC 8" Weldon |
|------------|------------------|------------------|------------------|------------------|
| DIA | Ø 7/16" - 3" | Ø 7/16" - 8" | Ø 7/8" - 8" | Ø 7/8" - 8" |
| | Code | Code | Code | Code |
| Ø 7/16" | HMY.7/16" | HMX.7/16" | | |
| Ø 1/2" | HMY.1/2" | HMX.1/2" | | |
| Ø 9/16" | HMY.9/16" | HMX.9/16" | | |
| Ø 5/8" | HMY.5/8" | HMX.5/8" | | |
| Ø 11/16" | HMY.11/16" | HMX.11/16" | | |
| Ø 3/4" | HMY.3/4" | HMX.3/4" | | |
| Ø 13/16" | HMY.13/16" | HMX.13/16" | | |
| Ø 7/8" | HMY.7/8" | HMX.7/8" | HMW.7/8" | HMV.7/8" |
| Ø 15/16" | HMY.15/16" | HMX.15/16" | HMW.15/16" | HMV.15/16" |
| Ø 1" | HMY.1" | HMX.1" | HMW.1" | HMV.1" |
| Ø 1 1/16" | HMY.1-1/16" | HMX.1-1/16" | HMW.1-1/16" | HMV.1-1/16" |
| Ø 1 1/8" | HMY.1-1/8" | HMX.1-1/8" | HMW.1-1/8" | HMV.1-1/8" |
| Ø 1 3/16" | HMY.1-3/16" | HMX.1-3/16" | HMW.1-3/16" | HMV.1-3/16" |
| Ø 1 1/4" | HMY.1-1/4" | HMX.1-1/4" | HMW.1-1/4" | HMV.1-1/4" |
| Ø 1 5/16" | HMY.1-5/16" | HMX.1-5/16" | HMW.1-5/16" | HMV.1-5/16" |
| Ø 1 3/8" | HMY.1-3/8" | HMX.1-3/8" | HMW.1-3/8" | HMV.1-3/8" |
| Ø 1 7/16" | HMY.1-7/16" | HMX.1-7/16" | HMW.1-7/16" | HMV.1-7/16" |
| Ø 1 1/2" | HMY.1-1/2" | HMX.1-1/2" | HMW.1-1/2" | HMV.1-1/2" |
| Ø 1 9/16" | HMY.1-9/16" | HMX.1-9/16" | HMW.1-9/16" | HMV.1-9/16" |
| Ø 1 5/8" | HMY.1-5/8" | HMX.1-5/8" | HMW.1-5/8" | HMV.1-5/8" |
| Ø 1 11/16" | HMY.1-11/16" | HMX.1-11/16" | HMW.1-11/16" | HMV.1-11/16" |
| Ø 1 3/4" | HMY.1-3/4" | HMX.1-3/4" | HMW.1-3/4" | HMV.1-3/4" |
| Ø 1 13/16" | HMY.1-13/16" | HMX.1-13/16" | HMW.1-13/16" | HMV.1-13/16" |
| Ø 1 7/8" | HMY.1-7/8" | HMX.1-7/8" | HMW.1-7/8" | HMV.1-7/8" |
| Ø 1 15/16" | HMY.1-15/16" | HMX.1-15/16" | HMW.1-15/16" | HMV.1-15/16" |

| | DoC 3" Weldon | DoC 4" Weldon | DoC 6" Weldon | DoC 8" Weldon |
|------------|------------------|------------------|------------------|------------------|
| DIA | Ø 7/16" - 3" | Ø 7/16" - 8" | Ø 7/8" - 8" | Ø 7/8" - 8" |
| | Code | Code | Code | Code |
| Ø 2" | HMY.2" | HMX.2" | HMW.2" | HMV.2" |
| Ø 2 1/16" | HMY.2-1/16" | HMX.2-1/16" | HMW.2-1/16" | HMV.2-1/16" |
| Ø 2 1/8" | HMY.2-1/8" | HMX.2-1/8" | HMW.2-1/8" | HMV.2-1/8" |
| Ø 2 3/16" | HMY.2-3/16" | HMX.2-3/16" | HMW.2-3/16" | HMV.2-3/16" |
| Ø 2 1/4" | HMY.2-1/4" | HMX.2-1/4" | HMW.2-1/4" | HMV.2-1/4" |
| Ø 2 5/16" | HMY. 2-5/16" | HMX. 2-5/16" | HMW. 2-5/16" | HMV.2-5/16" |
| Ø 2 3/8" | HMY.2-3/8" | HMX.2-3/8" | HMW.2-3/8" | HMV.2-3/8" |
| Ø 2 7/16" | HMY.2-7/16" | HMX.2-7/16" | HMW.2-7/16" | HMV.2-7/16" |
| Ø 2 1/2" | HMY.2-1/2" | HMX.2-1/2" | HMW.2-1/2" | HMV.2-1/2" |
| Ø 2 9/16" | HMY.2-9/16" | HMX.2-9/16" | HMW.2-9/16" | HMV.2-9/16" |
| Ø 2 5/8" | HMY.2-5/8" | HMX.2-5/8" | HMW.2-5/8" | HMV.2-5/8" |
| Ø 2 11/16" | HMY.2-11/16" | HMX.2-11/16" | HMW.2-11/16" | HMV.2-11/16" |
| Ø 2 3/4" | HMY.2-3/4" | HMX.2-3/4" | HMW.2-3/4" | HMV.2-3/4" |
| Ø 2 13/16" | HMY.2-13/16" | HMX.2-13/16" | HMW.2-13/16" | HMV.2-13/16" |
| Ø 2 7/8" | HMY.2-7/8" | HMX.2-7/8" | HMW.2-7/8" | HMV.2-7/8" |
| Ø 2 15/16" | HMY.2-15/16" | HMX.2-15/16" | HMW.2-15/16" | HMV.2-15/16" |
| Ø 3" | HMY.3" | HMX.3" | HMW.3" | HMV.3" |
| Ø 3 1/16" | | HMX.3-1/16" | HMW.3-1/16" | HMV.3-1/16" |
| Ø 3 1/8" | | HMX.3-1/8" | HMW.3-1/8" | HMV.3-1/8" |
| Ø 3 3/16" | | HMX.3-3/16" | HMW.3-3/16" | HMV.3-3/16" |
| Ø 3 1/4" | | HMX.3-1/4" | HMW.3-1/4" | HMV.3-1/4" |
| Ø 3 5/16" | | HMX.3-5/16" | HMW.3-5/16" | HMV.3-5/16" |
| Ø 3 3/8" | | HMX.3-3/8" | HMW.3-3/8" | HMV.3-3/8" |
| Ø 3 7/16" | | HMX.3-7/16" | HMW.3-7/16" | HMV.3-7/16" |
| Ø 3 1/2" | | HMX.3-1/2" | HMW.3-1/2" | HMV.3-1/2" |
| Ø 3 9/16" | | HMX.3-9/16" | HMW.3-9/16" | HMV.3-9/16" |
| Ø 3 5/8" | | HMX.3-5/8" | HMW.3-5/8" | HMV.3-5/8" |
| Ø 3 11/16" | | HMX.3-11/16" | HMW.3-11/16" | HMV.3-11/16" |
| Ø 3 3/4" | | HMX.3-3/4" | HMW.3-3/4" | HMV.3-3/4" |
| Ø 3 13/16" | | HMX.3-13/16" | HMW.3-13/16" | HMV.3-13/16" |
| Ø 3 7/8" | | HMX.3-7/8" | HMW.3-7/8" | HMV.3-7/8" |
| Ø 3 15/16" | | HMX.3-15/16" | HMW.3-15/16" | HMV.3-15/16" |
| Ø 4" | | HMX.4" | HMW.4" | HMV.4" |
| Ø 4 1/16" | | HMX.4-1/16" | HMW.4-1/16" | HMV.4-1/16" |
| Ø 4 1/8" | | HMX.4-1/8" | HMW.4-1/8" | HMV.4-1/8" |
| Ø 4 3/16" | | HMX.4-3/16" | HMW.4-3/16" | HMV.4-3/16" |
| Ø 4 1/4" | | HMX.4-1/4" | HMW.4-1/4" | HMV.4-1/4" |
| Ø 4 5/16" | | HMX.4-5/16" | HMW.4-5/16" | HMV.4-5/16" |
| Ø 4 3/8" | | HMX.4-3/8" | HMW.4-3/8" | HMV.4-3/8" |
| Ø 4 7/16" | | HMX.4-7/16" | HMW.4-7/16" | HMV.4-7/16" |
| Ø 4 1/2" | | HMX.4-1/2" | HMW.4-1/2" | HMV.4-1/2" |
| Ø 4 9/16" | | HMX.4-9/16" | HMW.4-9/16" | HMV.4-9/16" |
| Ø 4 5/8" | | HMX.4-5/8" | HMW.4-5/8" | HMV.4-5/8" |
| Ø 4 11/16" | | HMX.4-11/16" | HMW.4-11/16" | HMV.4-11/16" |
| Ø 4 3/4" | | HMX.4-3/4" | HMW.4-3/4" | HMV.4-3/4" |
| Ø 4 13/16" | | HMX.4-13/16" | HMW.4-13/16" | HMV.4-13/16" |
| Ø 4 7/8" | | HMX.4-7/8" | HMW.4-7/8" | HMV.4-7/8" |
| Ø 4 15/16" | | HMX.4-15/16" | HMW.4-15/16" | HMV.4-15/16" |
| Ø 5" | | HMX.5" | HMW.5" | HMV.5" |
| Ø 5 1/16" | | HMX.5-1/16" | HMW.5-1/16" | HMV.5-1/16" |
| Ø 5 1/8" | | HMX.5-1/8" | HMW.5-1/8" | HMV.5-1/8" |

TCT

Weldon shank



Shank sizes

DIA Ø 7/16" - 2 3/8":
3/4"DIA Ø 2 7/16" - 8":
1 1/4"

DoC

Depth
of Cut
measured
inside
cutter

TCT

Weldon shank



Shank sizes

DIA Ø 7/16" - 2 3/8":
3/4"

DIA Ø 2 7/16" - 8":
1 1/4"



DoC

Depth of Cut
measured
inside
cutter

| | DoC 3" Weldon | DoC 4" Weldon | DoC 6" Weldon | DoC 8" Weldon |
|------------|------------------|------------------|------------------|------------------|
| DIA | Ø 7/16" - 3" | Ø 7/16" - 8" | Ø 7/8" - 8" | Ø 7/8" - 8" |
| | Code | Code | Code | Code |
| Ø 5 3/16" | | HMX.5-3/16" | HMW.5-3/16" | HMV.5-3/16" |
| Ø 5 1/4" | | HMX.5-1/4" | HMW.5-1/4" | HMV.5-1/4" |
| Ø 5 5/16" | | HMX.5-5/16" | HMW.5-5/16" | HMV.5-5/16" |
| Ø 5 3/8" | | HMX.5-3/8" | HMW.5-3/8" | HMV.5-3/8" |
| Ø 5 7/16" | | HMX.5-7/16" | HMW.5-7/16" | HMV.5-7/16" |
| Ø 5 1/2" | | HMX.5-1/2" | HMW.5-1/2" | HMV.5-1/2" |
| Ø 5 9/16" | | HMX.5-9/16" | HMW.5-9/16" | HMV.5-9/16" |
| Ø 5 5/8" | | HMX.5-5/8" | HMW.5-5/8" | HMV.5-5/8" |
| Ø 5 11/16" | | HMX.5-11/16" | HMW.5-11/16" | HMV.5-11/16" |
| Ø 5 3/4" | | HMX.5-3/4" | HMW.5-3/4" | HMV.5-3/4" |
| Ø 5 13/16" | | HMX.5-13/16" | HMW.5-13/16" | HMV.5-13/16" |
| Ø 5 7/8" | | HMX.5-7/8" | HMW.5-7/8" | HMV.5-7/8" |
| Ø 5 15/16" | | HMX.5-15/16" | HMW.5-15/16" | HMV.5-15/16" |
| Ø 6" | | HMX.6" | HMW.6" | HMV.6" |
| Ø 6 1/16" | | HMX.6-1/16" | HMW.6-1/16" | HMV.6-1/16" |
| Ø 6 1/8" | | HMX.6-1/8" | HMW.6-1/8" | HMV.6-1/8" |
| Ø 6 3/16" | | HMX.6-3/16" | HMW.6-3/16" | HMV.6-3/16" |
| Ø 6 1/4" | | HMX.6-1/4" | HMW.6-1/4" | HMV.6-1/4" |
| Ø 6 5/16" | | HMX.6-5/16" | HMW.6-5/16" | HMV.6-5/16" |
| Ø 6 3/8" | | HMX.6-3/8" | HMW.6-3/8" | HMV.6-3/8" |
| Ø 6 7/16" | | HMX.6-7/16" | HMW.6-7/16" | HMV.6-7/16" |
| Ø 6 1/2" | | HMX.6-1/2" | HMW.6-1/2" | HMV.6-1/2" |
| Ø 6 9/16" | | HMX.6-9/16" | HMW.6-9/16" | HMV.6-9/16" |
| Ø 6 5/8" | | HMX.6-5/8" | HMW.6-5/8" | HMV.6-5/8" |
| Ø 6 11/16" | | HMX.6-11/16" | HMW.6-11/16" | HMV.6-11/16" |
| Ø 6 3/4" | | HMX.6-3/4" | HMW.6-3/4" | HMV.6-3/4" |
| Ø 6 13/16" | | HMX.6-13/16" | HMW.6-13/16" | HMV.6-13/16" |
| Ø 6 7/8" | | HMX.6-7/8" | HMW.6-7/8" | HMV.6-7/8" |
| Ø 6 15/16" | | HMX.6-15/16" | HMW.6-15/16" | HMV.6-15/16" |
| Ø 7" | | HMX.7" | HMW.7" | HMV.7" |
| Ø 7 1/16" | | HMX.7-1/16" | HMW.7-1/16" | HMV.7-1/16" |
| Ø 7 1/8" | | HMX.7-1/8" | HMW.7-1/8" | HMV.7-1/8" |
| Ø 7 3/16" | | HMX.7-3/16" | HMW.7-3/16" | HMV.7-3/16" |
| Ø 7 1/4" | | HMX.7-1/4" | HMW.7-1/4" | HMV.7-1/4" |
| Ø 7 5/16" | | HMX.7-5/16" | HMW.7-5/16" | HMV.7-5/16" |
| Ø 7 3/8" | | HMX.7-3/8" | HMW.7-3/8" | HMV.7-3/8" |
| Ø 7 7/16" | | HMX.7-7/16" | HMW.7-7/16" | HMV.7-7/16" |
| Ø 7 1/2" | | HMX.7-1/2" | HMW.7-1/2" | HMV.7-1/2" |
| Ø 7 9/16" | | HMX.7-9/16" | HMW.7-9/16" | HMV.7-9/16" |
| Ø 7 5/8" | | HMX.7-5/8" | HMW.7-5/8" | HMV.7-5/8" |
| Ø 7 11/16" | | HMX.7-11/16" | HMW.7-11/16" | HMV.7-11/16" |
| Ø 7 3/4" | | HMX.7-3/4" | HMW.7-3/4" | HMV.7-3/4" |
| Ø 7 13/16" | | HMX.7-13/16" | HMW.7-13/16" | HMV.7-13/16" |
| Ø 7 7/8" | | HMX.7-7/8" | HMW.7-7/8" | HMV.7-7/8" |
| Ø 7 15/16" | | HMX.7-15/16" | HMW.7-15/16" | HMV.7-15/16" |
| Ø 8" | | HMX.8" | HMW.8" | HMV.8" |

6 piece cutter sets

Set TCT
metric

DoC 35 mm

- 6 piece annular cutter set
- Cutter sizes Ø 12, 14, 16, 18, 20, 22 mm
- Pilot pins IBC.75 & IBC.85 included

TCT.KITSet TCT
imperial

10 piece cutter sets



DoC 35 mm

- 10 piece annular cutter set
- Cutter sizes 3 x Ø 14, 3 x Ø 18, 2 x Ø 22, 2 x Ø 26 mm
- Pilot pins IBC.75 & IBC.85 included

TCT.KIT/10S-M1

DoC 1"

- 10 piece annular cutter set
- Cutter sizes 2 x Ø 9/16", 2 x Ø 11/16", 2 x Ø 13/16", 2 x Ø 7/8", Ø 15/16", Ø 1"
- Pilot pins IBC.75 & IBC.85 included

TCT.KIT/10S-I1

DoC 1"

- 10 piece annular cutter set
- Cutter sizes 3 x Ø 9/16", 3 x Ø 13/16", 3 x Ø 7/8", Ø 15/16"
- Pilot pins IBC.75 & IBC.85 included

TCT.KIT/10S-I2

DoC 55 mm

- 10 piece annular cutter set
- Cutter sizes 3 x Ø 14, 3 x Ø 18, 2 x Ø 22, 2 x Ø 26 mm
- Pilot pins IBC.80 & IBC.90 included

TCT.KIT/10L-M1

DoC 2"

- 10 piece annular cutter set
- Cutter sizes 2 x Ø 9/16", 2 x Ø 11/16", 2 x Ø 13/16", 2 x Ø 7/8", Ø 15/16", Ø 1"
- Pilot pins IBC.80 & IBC.90 included

TCT.KIT/10L-I1

DoC 2"

- 10 piece annular cutter set
- Cutter sizes 3 x Ø 9/16", 3 x Ø 13/16", 3 x Ø 7/8", Ø 15/16"
- Pilot pins IBC.80 & IBC.90 included

TCT.KIT/10L-I2

Annular cutter

Tungsten Carbide Tipped Rail

Euroboor TCT Rail cutters are specifically designed to pierce through the toughest rail grades with the greatest of ease. The super micro-grain (**SANDVIK**) tungsten carbide tips contain optimised cutting angles and ensure vigorous and smooth cutting performance. The cutter body is specially engineered to provide

maximum stability and support to cope with the extremely high-torques generated in the cutting process. The design of the specific flutes has been based on keeping a horizontal drilling position and the type of chips from high-tensile strength steel in mind, resulting in optimal chip removal.

| TCT Rail material application | | | <div><div>● Optimal</div><div>● Good</div><div>○ Possible</div></div> | | | | | | | | | | |
|-------------------------------|--------------------------|-------------------|---|--------|--------|----------|----------|-----------------|--------|-----------|----------|---|-------|
| Plastics GRP/CRP | Brass, Copper, Tin | Grey cast iron | Steel | | | | | Stainless steel | | Aluminium | | Exotic materials, Inconnell, Nimonic, HARDOX, Hastelloy | Rails |
| | | | < 500N | < 750N | < 900N | < 1,100N | < 1,400N | < 900N | ≤ 900N | < 10% Si | ≤ 10% Si | | |
| | ○ | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

Weldon shank



Shank sizes

DIA Ø 12 - 36 mm:
19.05 mm (3/4")



DoC

Depth
of Cut
measured
inside
cutter

| | DoC 25 mm Weldon | DoC 35 mm * Weldon |
|------|---------------------|-----------------------|
| DIA | Ø 17 - 36 mm | |
| | Code | Code |
| Ø 17 | TRCS.170S | TRCS.170 |
| Ø 18 | TRCS.180S | TRCS.180 |
| Ø 19 | TRCS.190S | TRCS.190 |
| Ø 20 | TRCS.200S | TRCS.200 |
| Ø 21 | TRCS.210S | TRCS.210 |
| Ø 22 | TRCS.220S | TRCS.220 |
| Ø 23 | TRCS.230S | TRCS.230 |
| Ø 24 | TRCS.240S | TRCS.240 |
| Ø 25 | TRCS.250S | TRCS.250 |
| Ø 26 | TRCS.260S | TRCS.260 |
| Ø 27 | TRCS.270S | TRCS.270 |
| Ø 28 | TRCS.280S | TRCS.280 |
| Ø 29 | TRCS.290S | TRCS.290 |
| Ø 30 | TRCS.300S | TRCS.300 |
| Ø 31 | TRCS.310S | TRCS.310 |
| Ø 32 | TRCS.320S | TRCS.320 |
| Ø 33 | TRCS.330S | TRCS.330 |
| Ø 34 | TRCS.340S | TRCS.340 |
| Ø 35 | TRCS.350S | TRCS.350 |
| Ø 36 | TRCS.360S | TRCS.360 |

*availability on request

ERM.100/3 Resharpener machine



Watch our machines in action on:
www.youtube.com/euroboorby

Technical data

| | |
|------------------------|---|
| Dimensions (l x w x h) | 480 x 270 x 300 mm |
| Weight | 28 kg |
| Motor power | 250 W |
| Noise emission | < 70 dBa |
| Grinding disk | Ø 125 mm |
| Wheel bore | Ø 25 mm |
| Shaft bore | 19.05 mm Weldon |
| Speed (no load) | 2,800 rpm |
| Voltage | 110 - 120 V / 60 Hz 220 - 240 V / 50 - 60 Hz |

Benefits

- Resharpens HSS cutters from Ø 12 – 44 mm in cutting depths of 25 – 55 mm
- Easy angle adjustment; simple alignment to original geometry
- Laser guided cutter alignment ensures correct positioning of cutting edge to the wheel
- Motor positioning
- Including CBN* grinding wheel

* CBN = Cubic Borid Nitride



Cutter position at the cutter sharpening blade

Accessory ERM.100/3

Standard supply
 CBN* Grinding wheel
 (Resharpener) For HSS

ERM3.0001

Index plate T6 & T7

ERM3.0008

Index plate T4/T8 & T5/T10

ERM3.0009

Index plate T9

ERM3.0010



Motor adjustment



Laser guidance

Pilot pins



Pilot pins are essential for the use of annular cutters as they control the flow of oil, centrate the cutter and make for a smooth slug ejection.

Pilot pins are essential for the use of annular cutters, as they provide the following practical uses:

- **Centration of cutter**
- **Control of oil flow**
- **Slug ejection**

As plain as a pilot pin may look, all of these uses require high-precision and extremely low tolerances – just to make

sure the centre is exactly the centre, oil flow starts and stops when you need it to, and the slug does not get stuck inside the cutter.

We offer a wide range of pilot pins that match the lengths, diameters and characteristics of our various annular cutters with exactly the required precision to enhance your drilling job in the best way possible.

Overview

| Code | Length pin | Diameter pin | Code | Length pin | Diameter pin |
|----------|-------------------|----------------|-------------------------|-------------------|----------------|
| IBC.70 | 77 mm (3") | 6.35 mm (1/4") | IBC.K25 ¹ | 127 mm (5") | 6.35 mm (1/4") |
| IBC.70/2 | 77 mm (3") | 6.35 mm (1/4") | IBC.K50 ¹ | 155 mm (6 1/8") | 6.35 mm (1/4") |
| IBC.75 | 90 mm (3 9/16") | 6.35 mm (1/4") | IBC.K75 ¹ | 177 mm (7") | 6.35 mm (1/4") |
| IBC.80 | 103 mm (4 1/16") | 8 mm (5/16") | IBC.K100 ¹ | 204 mm (8") | 6.35 mm (1/4") |
| IBC.85 | 90 mm (3 9/16") | 8 mm (5/16") | IBC.2P-130 ² | 130 mm (5 1/8") | 8 mm (5/16") |
| IBC.90 | 102 mm (4") | 6.35 mm (1/4") | IBC.2P-144 ² | 145 mm (5 11/16") | 8 mm (5/16") |
| IBC.100 | 122 mm (4 13/16") | 8 mm (5/16") | IBC.157 ² | 159 mm (6 1/4") | 8 mm (5/16") |
| IBC.110 | 159 mm (6 1/4") | 6.35 mm (1/4") | IBC.2P-168 ² | 170 mm (6 11/16") | 8 mm (5/16") |
| IBC.120 | 120 mm (4 3/4") | 6.35 mm (1/4") | IBC.2P-205 ² | 206 mm (8 1/16") | 8 mm (5/16") |
| IBC.130 | 165 mm (6 1/2") | 8 mm (5/16") | IBC.2P-256 ² | 258 mm (10 3/16") | 8 mm (5/16") |
| IBC.140 | 150 mm (5 15/16") | 8 mm (5/16") | | | |
| IBC.150 | 252 mm (9 15/16") | 8 mm (5/16") | | | |
| IBC.160 | 201 mm (7 15/16") | 8 mm (5/16") | | | |

For our IBC.70 and IBC.90 pilot pins we also offer sets:

3 x IBC.70

3 x IBC.90

IBC.70-SET

IBC.90-SET

¹ Extended pilot pin

Specifically for use with long cutters and drilling in very thick workpieces. Makes it possible to continue drilling without mid-process replacement. Suitable for use with longer cutters as from 75 mm (3").

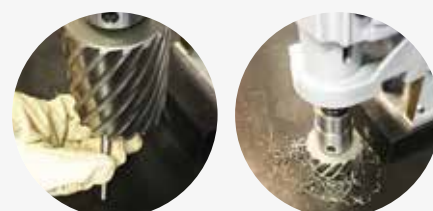
² two-piece pilot pin



Place pilot pin through the shank, and attach extension through the bottom inside of the cutter.



Start drilling. Stop at approx. 50 mm depth.



Remove the extension.

Commence drilling until slug ejection.

IBC.157



Pilot pin features

Precise positioning

- Whilst having a perfect fit the Euroboor pilot pin is your guidance to centre the cutter.



Material

Oil flow regulation

- In standstill position with the cutter above the workpiece, the pilot pin prevents the oil from flowing.
- When moving down the cutter with the pilot pin onto the workpiece to commence drilling, the pilot pin is pushed up into the arbor and permits the oil to flow into the cutter for direct cooling and lubricating.



Material

Slug ejection

- When the cutter is through the material, the pilot pin pushes the slug out of the workpiece by means of the strong spring inside the arbor.
- Consequently the oil flow is automatically cut off.



Material

Pilot pin recommendations



HSS metric - 30 mm

| HCS (DoC 30 mm) | |
|-----------------------|------------------------|
| Ø 12 - 60 mm | Ø 61 - 100 mm |
| IBC.70 (6.35 x 77 mm) | IBC.80 (8.00 x 103 mm) |
| HCSU (DoC 30 mm) | |
| Ø 12 - 60 mm | |
| IBC.70 (6.35 x 77 mm) | |

HSS metric - 55 mm

| HCL (DoC 55 mm) | |
|------------------------|----------------------------|
| Ø 12 - 60 mm | Ø 61 - 100 mm |
| IBC.90 (6.35 x 102 mm) | IBC.100 (8.00 x 122 mm) |
| | IBC.2P-130 (8.00 x 130 mm) |
| HCLU (DoC 55 mm) | |
| Ø 12 - 60 mm | |
| IBC.90 (6.35 x 102 mm) | |

HSS metric - 75 & 100 mm

| HCY (DoC 75 mm) | HCX (DoC 100 mm) |
|-------------------------|-------------------------|
| Ø 14 - 50 mm | Ø 18 - 50 mm |
| IBC.K25 (6.35 x 127 mm) | IBC.K50 (6.35 x 155 mm) |

HSS imperial - 1"

| HCS (DoC 1") | |
|-----------------------|------------------------|
| Ø 7/16" - 2 5/16" | Ø 2 3/8" - 4" |
| IBC.70 (6.35 x 77 mm) | IBC.80 (8.00 x 103 mm) |

HSS imperial - 2"

| HCL (DoC 2") | |
|------------------------|----------------------------|
| Ø 7/16" - 2 5/16" | Ø 2 3/8" - 4" |
| IBC.90 (6.35 x 102 mm) | IBC.100 (8.00 x 122 mm) |
| | IBC.2P-130 (8.00 x 130 mm) |
| HCLU (DoC 2") | |
| Ø 7/16" - 2 5/16" | |
| IBC.90 (6.35 x 102 mm) | |

HSS Stack metric - 55 & 75 mm

| HCPL (DoC 55 mm) | HCPY (DoC 75 mm) |
|------------------------|-------------------------|
| Ø 18 - 32 mm | Ø 18 - 32 mm |
| IBC.90 (6.35 x 102 mm) | IBC.K25 (6.35 x 127 mm) |

HSS Stack imperial - 2" & 3"

| HCPL (DoC 2") | HCPY (DoC 3") |
|------------------------|-------------------------|
| Ø 11/16" - 1 1/4" | Ø 11/16" - 1 1/4" |
| IBC.90 (6.35 x 102 mm) | IBC.K25 (6.35 x 127 mm) |

HSS-Cobalt (M42) metric - 30 mm

| IBS (DoC 30mm) |
|-----------------------|
| Ø 12 - 60 mm |
| IBC.70 (6.35 x 77 mm) |

HSS-Cobalt (M42) metric - 55 mm

| IBL (DoC 55 mm) |
|------------------------|
| Ø 12 - 60 mm |
| IBC.90 (6.35 x 102 mm) |

HSS-Cobalt (M35) imperial - 1"

| IBS (DoC 1") |
|-----------------------|
| Ø 7/16" - 2 5/16" |
| IBC.70 (6.35 x 77 mm) |

HSS-Cobalt (M35) imperial - 2"

| IBL (DoC 2") |
|------------------------|
| Ø 7/16" - 2 5/16" |
| IBC.90 (6.35 x 102 mm) |

HSS-Cobalt (M35) imperial - 3"

| IBY (DoC 3") |
|-------------------------|
| Ø 7/16" - 2 5/16" |
| IBC.K25 (6.35 x 127 mm) |



TCT metric - 35 mm

| HMS (DoC 35 mm) | |
|-------------------------------|-------------------------------|
| Ø 12 - 17 mm | Ø 18 - 100 mm |
| IBC.75 (6.35 x 90 mm) | IBC.80 (8.00 x 103 mm) |
| HMSU (DoC 35 mm) | |
| Ø 12 - 60 mm | |
| IBC.80 (8.00 x 103 mm) | |

TCT metric - 55 mm

| HML (DoC 55 mm) | |
|-------------------------------|-----------------------------------|
| Ø 12 - 17 mm | Ø 61 - 200 mm |
| IBC.90 (6.35 x 102 mm) | IBC.100 (8.00 x 122 mm) |
| Ø 18 - 60 mm | IBC.2P-144 (8.00 x 145 mm) |
| IBC.80 (8.00 x 103 mm) | |
| HMLU (DoC 55 mm) | |
| Ø 12 - 17 mm | Ø 18 - 60 mm |
| IBC.90 (6.35 x 102 mm) | IBC.80 (8.00 x 103 mm) |

TCT metric - 75 & 100 mm

| HMV (DoC 75 mm) | HMX (DoC 100 mm) |
|--------------------------------|-----------------------------------|
| Ø 12 - 17 mm | Ø 12 - 17 mm |
| IBC.K25 (6.35 x 127 mm) | IBC.110 (6.35 x 159 mm) |
| Ø 18 - 50 mm | Ø 18 - 60 mm |
| IBC.140 (8.00 x 150 mm) | IBC.130 (8.00 x 165 mm) |
| IBC.157 (8.00 x 159 mm) | IBC.2P-168 (8.00 x 170 mm) |
| | Ø 61 - 200 mm |
| | IBC.2P-205 (8.00 x 206 mm) |

TCT metric - 150 & 200 mm

| HMW (DoC 150 mm) | HMV (DoC 200 mm) |
|-----------------------------------|-----------------------------------|
| Ø 22 - 200 mm | Ø 22 - 200 mm |
| IBC.160 (8.00 x 201 mm) | IBC.150 (8.00 x 252 mm) |
| IBC.2P-205 (8.00 x 206 mm) | IBC.2P-256 (8.00 x 258 mm) |

TCT imperial - 1"

| HMS (DoC 1") | |
|-------------------------------|-------------------------------|
| Ø 7/16" - 11/16" | 3/4" - 4" |
| IBC.75 (6.35 x 90 mm) | IBC.80 (8.00 x 103 mm) |
| HMSU (DoC 1") | |
| Ø 7/16" - 2 5/16" | |
| IBC.80 (8.00 x 103 mm) | |

TCT imperial - 2"

| HML (DoC 2") | |
|-------------------------------|-----------------------------------|
| Ø 7/16" - 11/16" | Ø 2 3/8" - 8" |
| IBC.90 (6.35 x 102 mm) | IBC.100 (8.00 x 122 mm) |
| 3/4" - 2 5/16" | IBC.2P-144 (8.00 x 145 mm) |
| IBC.80 (8.00 x 103 mm) | |
| HMLU (DoC 2") | |
| 7/16" - 11/16" | |
| IBC.90 (6.35 x 102 mm) | |
| 3/4" - 2 15/16" | |
| IBC.80 (8.00 x 103 mm) | |

TCT imperial - 3" & 4"

| HMV (DoC 3") | HMX (DoC 4") |
|--------------------------------|-----------------------------------|
| Ø 7/16" - 11/16" | Ø 7/16" - 11/16" |
| IBC.K25 (6.35 x 127 mm) | IBC.110 (6.35 x 159 mm) |
| Ø 3/4" - 3" | Ø 3/4" - 2 5/16" |
| IBC.140 (8.00 x 150 mm) | IBC.130 (8.00 x 165 mm) |
| IBC.157 (8.00 x 159 mm) | IBC.2P-168 (8.00 x 170 mm) |
| | Ø 2 3/8" - 8" |
| | IBC.2P-205 (8.00 x 206 mm) |

TCT imperial - 6" & 8"

| HMW (DoC 6") | HMV (DoC 8") |
|-----------------------------------|-----------------------------------|
| Ø 7/8" - 8" | Ø 7/8" - 8" |
| IBC.160 (8.00 x 201 mm) | IBC.150 (8.00 x 252 mm) |
| IBC.2P-205 (8.00 x 206 mm) | IBC.2P-256 (8.00 x 258 mm) |

TCT Rail metric - 25 & 35 mm

| TRCS (DoC 25 mm) | TRCS (DoC 35 mm) |
|------------------------------|------------------------------|
| Ø 17 - 36 mm | Ø 17 - 36 mm |
| IBC.70 (6.35 x 77 mm) | IBC.75 (6.35 x 90 mm) |



Weldon twist drills

HSS 19.05 mm (3/4") Weldon shank. 135° split point. Available in 30 mm, 50 mm length, 1" and 2" (DoC).

Machined from one solid blank (no weak spots caused by inferior material or welds).

DoC 30 mm
DIA Ø 6 - 14 mm

| MM | Code |
|------|---------|
| Ø 6 | SSPI.06 |
| Ø 7 | SSPI.07 |
| Ø 8 | SSPI.08 |
| Ø 9 | SSPI.09 |
| Ø 10 | SSPI.10 |
| Ø 11 | SSPI.11 |
| Ø 12 | SSPI.12 |
| Ø 13 | SSPI.13 |
| Ø 14 | SSPI.14 |

DoC 1"
DIA Ø 1/4" - 9/16"

| INCH | Code |
|---------|------------|
| Ø 1/4" | SSPI.1/4" |
| Ø 5/16" | SSPI.5/16" |
| Ø 3/8" | SSPI.3/8" |
| Ø 7/16" | SSPI.7/16" |
| Ø 1/2" | SSPI.1/2" |
| Ø 9/16" | SSPI.9/16" |

DoC 50 mm
DIA Ø 6 - 14 mm

| MM | Code |
|------|--------|
| Ø 6 | SPI.06 |
| Ø 7 | SPI.07 |
| Ø 8 | SPI.08 |
| Ø 9 | SPI.09 |
| Ø 10 | SPI.10 |
| Ø 11 | SPI.11 |
| Ø 12 | SPI.12 |
| Ø 13 | SPI.13 |
| Ø 14 | SPI.14 |

DoC 2"
DIA Ø 1/4" - 9/16"

| INCH | Code |
|---------|-----------|
| Ø 1/4" | SPI.1/4" |
| Ø 5/16" | SPI.5/16" |
| Ø 3/8" | SPI.3/8" |
| Ø 7/16" | SPI.7/16" |
| Ø 1/2" | SPI.1/2" |
| Ø 9/16" | SPI.9/16" |



6 piece Weldon twist drill set

- HSS 19.05 mm (3/4") Weldon shank
- 135° split point
- 30 mm length (DoC)
- Sizes Ø 6 – 11 mm, 1 mm increments

SSPI.KIT



6 piece Weldon twist drill set

- HSS 19.05 mm (3/4") Weldon shank
- 135° split point
- 50 mm length (DoC)
- Sizes Ø 6 – 11 mm, 1 mm increments

SPI.KIT

Countersinks

- HSS 19.05 mm (3/4") Weldon shank
- 3 cutting edges
- 90°

Weldon countersinks

| MM | Code |
|-----------|--------|
| Ø 10 - 25 | SCE.25 |
| Ø 10 - 40 | SCE.40 |
| Ø 15 - 50 | SCE.50 |



Straight shank countersinks

| MM | Code |
|--------|---------|
| Ø 6.3 | CSB.63 |
| Ø 8.3 | CSB.83 |
| Ø 10.4 | CSB.104 |
| Ø 12.4 | CSB.124 |
| Ø 16.5 | CSB.165 |
| Ø 20.5 | CSB.205 |

6 piece straight shank countersink set

- Sizes Ø 6.3 - 8.3 - 10.4 - 12.4 - 16.5 - 20.5 mm
- HSS-Cobalt (M35 quality) straight shank
- Compatible with every drill chuck
- 3 cutting edges
- 90°

CBS.620



Twist drills

- HSS-Cobalt (M35 quality)
- 135° split point
- Compatible with every drill chuck

DIA Ø 1 - 13 mm

| MM | Code |
|-------|----------|
| Ø 1.0 | TDCO.010 |
| Ø 1.5 | TDCO.015 |
| Ø 2.0 | TDCO.020 |
| Ø 2.5 | TDCO.025 |
| Ø 3.0 | TDCO.030 |
| Ø 3.3 | TDCO.033 |
| Ø 3.5 | TDCO.035 |
| Ø 4.0 | TDCO.040 |

| MM | Code |
|-------|----------|
| Ø 4.2 | TDCO.042 |
| Ø 4.5 | TDCO.045 |
| Ø 5.0 | TDCO.050 |
| Ø 5.5 | TDCO.055 |
| Ø 6.0 | TDCO.060 |
| Ø 6.5 | TDCO.065 |
| Ø 6.8 | TDCO.068 |
| Ø 7.0 | TDCO.070 |

| MM | Code |
|--------|----------|
| Ø 7.5 | TDCO.075 |
| Ø 8.0 | TDCO.080 |
| Ø 8.5 | TDCO.085 |
| Ø 9.0 | TDCO.090 |
| Ø 9.5 | TDCO.095 |
| Ø 10.0 | TDCO.100 |
| Ø 10.2 | TDCO.102 |
| Ø 10.5 | TDCO.105 |

| MM | Code |
|--------|----------|
| Ø 11.0 | TDCO.110 |
| Ø 11.5 | TDCO.115 |
| Ø 12.0 | TDCO.120 |
| Ø 12.5 | TDCO.125 |
| Ø 13.0 | TDCO.130 |

Sizes Ø 1.0 - 7.5 mm come pre-packed in hanger box sets of 10 pcs. Sizes Ø 8.0 - 13.0 mm are pre-packed in hanger box sets of 5 pcs. Also available as 19-piece (TDS.100) and 25-piece (TDS.200) set.

25 piece twist drill set

- Sizes Ø 1 - 13 mm, 0.5 mm increments
- HSS TiN coated
- DIN 338
- 118° point
- Compatible with every drill chuck

TDS.190



19 piece twist drill set

- Sizes Ø 1 - 10 mm, 0.5 mm increments
- HSS-Cobalt (M35 quality)
- DIN 338
- 135° split point
- Compatible with every drill chuck
- Drills also sold per 5 and 10 pieces

TDS.100



25 piece twist drill set

- Sizes Ø 1 - 13 mm, 0.5 mm increments
- HSS-Cobalt (M35 quality)
- DIN 338
- 135° split point
- Compatible with every drill chuck
- Drills also sold per 5 and 10 pieces

TDS.200



Step drills

- HSS TiN coated
- Spiral flute for efficient chip removal

Step drills

| MM | Code |
|----------|---------|
| Ø 4 - 12 | ESD.412 |
| Ø 4 - 20 | ESD.420 |
| Ø 6 - 30 | ESD.630 |

3-piece step drill set

- Sizes:
 - Ø 4 - 12 mm
 - Ø 4 - 20 mm
 - Ø 6 - 30 mm
- HSS TiN coated
- Spiral flute for efficient chip removal

ESS.430/2



After drilling aid

Magnetic stick for cleaning up metal shavings.

Ø 22 x 400 mm

Simply wave the magnetic stick over the metal shavings to pick them up, carry them over to your scrap barrel, pull the plunger and the shavings are neatly deposited. The Euroboor magic stick is strong enough to quickly clean up your biggest mess of metal shavings.

- Clean up sharp-edged metal chips, screws and other metal parts easily
- Items are safely ejected off of magic stick without hand contact
- Ideal for hard-to-reach spaces

MAGICSTICK



Tapping chucks

Morse Taper torque controlled tapping chucks

Specifically designed for use in combination with portable magnetic drilling machines.

Benefits

- + Quick and precise installation of taps
- + Increased operation accuracy
- + Drastically reduced risk of broken taps and destroyed threads

Features

- Slip clutch torque limiter
- Clear torque controller adjustment scale
- Full instruction manual including:
 - Installation and mounting guide
 - Torque setting guide
 - Tapping speed guide
 - m/min (ft/min) to rpm calculation
 - Cutting fluid recommendation
 - Maintenance guide
- Full "all parts" servicing possibility
- Complete delivery including:
 - 2 different rubber centration collets
 - All tools required for installation and adjustment



ETC.2



ETC.3



Torque controlled tapping chuck MT3

- Machine tap sizes
M8 up to M20 (DIN 371 and DIN376)
- Machine tap sizes
M14 up to M30 (DIN376)

ETC.2

ETC.3



Tapping chuck B16 MT2 - 3

- Quick change M5 - M12
- Including rubber clamps
 - GSW.172121 (Ø 4 - 7 mm)
 - GSW.172122 (Ø 7 - 10 mm)
- Auto reverse

GSW.512R

Tapping chuck B22 MT3 - 4

- Quick change M8 - M20
- Including rubber clamps
 - GSW.172202 (Ø 10.38 - 14 mm)
 - GSW.172203 (Ø 16 mm)
- Auto reverse

GSW.820R

Feature overview

| | Morse Taper | Tap capacity | Slip clutch | Automatic reverse |
|----------|-------------|--------------|-------------|-------------------|
| ETC.2 | MT3 | M8 - M20 | • | - |
| ETC.3 | MT3 | M14 - M30 | • | - |
| GSW.512R | B16 MT2 / 3 | M5 - M12 | - | • |
| GSW.820R | B22 MT3 / 4 | M8 - M20 | - | • |

Tap holders (Weldon)

DIN 376

| Tap holder | Shank | Code |
|------------|---------|------------|
| M8 | Ø 6 mm | TCM.08D376 |
| M10 | Ø 7 mm | TCM.10D376 |
| M12 | Ø 9 mm | TCM.12D376 |
| M14 | Ø 11 mm | TCM.14D376 |
| M16 | Ø 12 mm | TCM.16D376 |
| M18 | Ø 14 mm | TCM.18D376 |
| M20 | Ø 16 mm | TCM.20D376 |
| M22 - 24 | Ø 18 mm | TCM.22D376 |
| M27 | Ø 20 mm | TCM.27D376 |
| M30 | Ø 22 mm | TCM.30D376 |

ISO 529

| Tap holder | Shank | Code |
|------------|-----------|------------|
| M8 | Ø 8 mm | TCM.08I529 |
| M10 | Ø 10 mm | TCM.10I529 |
| M12 | Ø 9 mm | TCM.12I529 |
| M14 | Ø 11.2 mm | TCM.14I529 |
| M16 | Ø 12.5 mm | TCM.16I529 |
| M18 | Ø 14 mm | TCM.18I529 |
| M20 | Ø 14 mm | TCM.20I529 |
| M22 | Ø 16 mm | TCM.22I529 |
| M24 | Ø 18 mm | TCM.24I529 |
| M27 - 30 | Ø 20 mm | TCM.27D376 |

ASA

| Tap holder | Shank | Code |
|------------|------------|----------------|
| 1/4" | Ø 6.5 mm | TCM.1/4"ASA |
| 5/16" | Ø 8.07 mm | TCM.5/16"ASA |
| 3/8" | Ø 9.68 mm | TCM.3/8"ASA |
| 7/16" | Ø 8.2 mm | TCM.7/16"ASA |
| 1/2" | Ø 9.29 mm | TCM.1/2"ASA |
| 9/16" | Ø 10.9 mm | TCM.9/16"ASA |
| 5/8" | Ø 12.17 mm | TCM.5/8"ASA |
| 11/16" | Ø 13.77 mm | TCM.11/16"ASA |
| 3/4" | Ø 14.9 mm | TCM.3/4"ASA |
| 13/16" | Ø 16.5 mm | TCM.13/16"ASA |
| 15/16" | Ø 19.2 mm | TCM.15/16"ASA |
| 1" | Ø 20.2 mm | TCM.1"ASA |
| 1 1/16" | Ø 22.5 mm | TCM.1-1/16"ASA |
| 1 1/8" | Ø 22.7 mm | TCM.1-1/8"ASA |
| 1 3/16" | Ø 25.7 mm | TCM.1-3/16"ASA |

JIS

| Tap holder | Shank | Code |
|------------|-----------|------------|
| M12 | Ø 8.5 mm | TCM.12JIS |
| M14 | Ø 10.5 mm | TCM.14JIS |
| M16 | Ø 12.5 mm | TCM.16I529 |



Machine taps

Euroboor machine taps are high-precision tools produced according to DIN standard (DIN 371/376) from Cobalt reinforced High Speed Steel (M35 quality).

Green ring

- Blank finish
- For use in materials such as construction steel, aluminium, zinc, lead, copper and brass

White ring

- Black oxide finish for improved durability
- For use in materials such as cast iron and stainless steel

Through holes

| Green ring | Size | Specification | Ø | White ring |
|------------|------------|---------------|--------|------------|
| 910.030C | M3 x 0.5 | DIN 371 | 3.5 mm | 910.030V |
| 910.040C | M4 x 0.7 | DIN 371 | 4.5 mm | 910.040V |
| 910.050C | M5 x 0.8 | DIN 371 | 6 mm | 910.050V |
| 910.060C | M6 x 1.0 | DIN 371 | 6 mm | 910.060V |
| 910.080C | M8 x 1.25 | DIN 371 | 8 mm | 910.080V |
| 910.100C | M10 x 1.5 | DIN 371 | 10 mm | 910.100V |
| 900.100C | M10 x 1.5 | DIN 376 | 7 mm | 900.100V |
| 900.120C | M12 x 1.75 | DIN 376 | 9 mm | 900.120V |
| 900.140C | M14 x 2.0 | DIN 376 | 11 mm | 900.140V |
| 900.160C | M16 x 2.0 | DIN 376 | 12 mm | 900.160V |
| 900.180C | M18 x 2.5 | DIN 376 | 14 mm | 900.180V |
| 900.200C | M20 x 2.5 | DIN 376 | 16 mm | 900.200V |
| 900.220C | M22 x 2.5 | DIN 376 | 18 mm | 900.220V |
| 900.240C | M24 x 3.0 | DIN 376 | 18 mm | 900.240V |
| 900.270C | M27 x 3.0 | DIN 376 | 20 mm | 900.270V |
| 900.300C | M30 x 3.5 | DIN 376 | 22 mm | 900.300V |



We offer the following application choices:

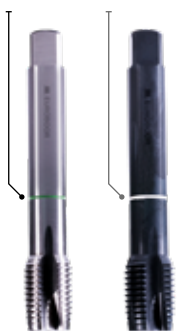
Through holes

- Straight flute

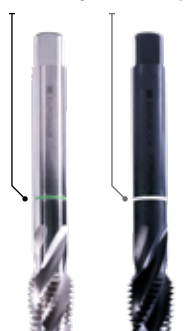
Blind holes

- Spiral flute

Green ring White ring



Green ring White ring



Blind holes

| Green ring | Size | Specification | Ø | White ring |
|------------|------------|---------------|--------|------------|
| 910.031C | M3 x 0.5 | DIN 371 | 3.5 mm | 910.031V |
| 910.041C | M4 x 0.7 | DIN 371 | 4.5 mm | 910.041V |
| 910.051C | M5 x 0.8 | DIN 371 | 6 mm | 910.051V |
| 910.061C | M6 x 1.0 | DIN 371 | 6 mm | 910.061V |
| 910.081C | M8 x 1.25 | DIN 371 | 8 mm | 910.081V |
| 910.101C | M10 x 1.5 | DIN 371 | 10 mm | 910.101V |
| 900.101C | M10 x 1.5 | DIN 376 | 7 mm | 900.101V |
| 900.121C | M12 x 1.75 | DIN 376 | 9 mm | 900.121V |
| 900.141C | M14 x 2.0 | DIN 376 | 11 mm | 900.141V |
| 900.161C | M16 x 2.0 | DIN 376 | 12 mm | 900.161V |
| 900.181C | M18 x 2.5 | DIN 376 | 14 mm | 900.181V |
| 900.201C | M20 x 2.5 | DIN 376 | 16 mm | 900.201V |
| 900.221C | M22 x 2.5 | DIN 376 | 18 mm | 900.221V |
| 900.241C | M24 x 3.0 | DIN 376 | 18 mm | 900.241V |
| 900.271C | M27 x 3.0 | DIN 376 | 20 mm | 900.271V |
| 900.301C | M30 x 3.5 | DIN 376 | 22 mm | 900.301V |



Tap and twist drill set

14 piece twist drill and tap set

- HSS-Cobalt (M35 quality)
- DIN 371/376
- Through holes: straight flute
- White ring: black oxide finish for improved durability.
For use in materials such as cast iron and stainless steel
- Twist drills (TDCO-series) also sold per 5 and 10 pieces and taps also available separately

DTS.312

| Twist drills | Taps |
|--------------|------|
| Ø 2.5 mm | M3 |
| Ø 3.3 mm | M4 |
| Ø 4.2 mm | M5 |
| Ø 5 mm | M6 |
| Ø 6.8 mm | M8 |
| Ø 8.5 mm | M10 |
| Ø 10.2 mm | M12 |



Drill tap combination (sets)

Features

- Drilling & tapping with 1 tool
- Also suitable for hard metals (such as stainless steel)
- Cost saver:
 - No need for drill chuck adapter
 - No need for drill chuck
 - No need for tap holder
- Time saver:
 - No need finding the correct tool
 - No need to interchange tools
 - No need to reposition drilling machine
- Especially suitable for on-the-job tasks with limitations to the amount of tools you can bring along.
- HSS-Cobalt (M35 quality)
- Black oxide coating



Application

- Alloy steels, castings & forgings
- Suitable and directly fitting (19.05 mm Weldon connection) to Euroboor magnetic drilling machines:
ECO.50-T,
ECO.50+/T,
ECO.55S/T,
ECO.55S+/T,
ECO.55S+/TA,
ECO.100/4,
ECO.100S+/T,
ECO.100S+/TD,
TUBE.55S/T
TUBE.55S+/T

| Part number | Tap size | Max. drilling/ tapping depth |
|-------------|------------|---------------------------------|
| EDT.08 | M8 x 1.25 | 17 mm |
| EDT.10 | M10 x 1.5 | 20 mm |
| EDT.12 | M12 x 1.75 | 20 mm |
| EDT.14 | M14 x 2.0 | 18 mm |
| EDT.16 | M16 x 2.0 | 18 mm |
| EDT.18 | M18 x 2.5 | 20 mm |
| EDT.20 | M20 x 2.5 | 25 mm |
| EDT.22 | M22 x 2.5 | 24 mm |
| EDT.24 | M24 x 3.0 | 26 mm |
| EDT.27 | M27 x 3.0 | 29 mm |
| EDT.30 | M30 x 3.5 | 31 mm |

Drill tap combination sets

- Delivered in luxury case
- Content: EDT.08, EDT.10 and EDT.12

EDT.SET/1

- Delivered in luxury case
- Content: EDT.14, EDT.16 and EDT.18

EDT.SET/2

Sets

With the developing of our innovative tools, we focus on adding value and making your daily work easier. Our sets are a good example of this. We offer a wide range of sets for annular cutting, twist drilling, tapping and many more.

25 piece twist drill set

- Sizes Ø 1 - 13 mm, 0.5 mm increments
- HSS TiN coated
- DIN 338
- 118° point
- Compatible with every drill chuck

TDS.190



19 piece twist drill set

- Sizes Ø 1 - 10 mm, 0.5 mm increments
- HSS-Cobalt (M35 quality)
- DIN 338
- 135° split point
- Compatible with every drill chuck
- Drills also sold per 5 and 10 pieces

TDS.100



25 piece twist drill set

- Sizes Ø 1 - 13 mm, 0.5 mm increments
- HSS-Cobalt (M35 quality)
- DIN 338
- 135° split point
- Compatible with every drill chuck
- Drills also sold per 5 and 10 pieces

TDS.200



6 piece Weldon twist drill set

- HSS 19.05 mm (3/4") Weldon shank
- 135° split point
- 30 mm length (DoC)
- Sizes Ø 6 - 11 mm, 1 mm increments

SSPI.KIT



6 piece Weldon twist drill set

- HSS 19.05 mm (3/4") Weldon shank
- 135° split point
- 50 mm length (DoC)
- Sizes Ø 6 - 11 mm, 1 mm increments

SPI.KIT



3-piece step drill set

- Sizes:
 - Ø 4 - 12 mm
 - Ø 4 - 20 mm
 - Ø 6 - 30 mm
- HSS TiN coated
- Spiral flute for efficient chip removal

ESS.430/2



6 piece straight shank countersink set

- Sizes Ø 6.3 - 8.3 - 10.4 - 12.4 - 16.5 - 20.5 mm
- HSS-Cobalt (M35 quality) straight shank
- Compatible with every drill chuck
- 3 cutting edges
- 90°

CBS.620



14 piece twist drill and tap set

- HSS-Cobalt (M35 quality)
- DIN 371/376
- Through holes: straight flute
- White ring: black oxide finish for improved durability. For use in materials such as cast iron and stainless steel
- Twist drills (TDCO-series) also sold per 5 and 10 pieces and taps also available separately

DTS.312



Drill tap combination sets

- Delivered in luxury case
- Content: EDT.08, EDT.10 and EDT.12

EDT.SET/1

- Delivered in luxury case
- Content: EDT.14, EDT.16 and EDT.18

EDT.SET/2

High Speed Steel annular cutter sets



metric ▼

Dept of Cut 30 mm, 6 cutters

- Cutter sizes Ø 14, 18, 22 mm (2 of each DoC)
- Pilot pin IBC.70 included

HCS.KIT

Dept of Cut 30 mm, 10 cutters

- Cutter sizes Ø 12, 14, 16, 18, 20, 22, 24, 26, 28, 30 mm
- Pilot pin IBC.70 included

HCS.KIT/10

Dept of Cut 55 mm, 10 cutters

- Cutter sizes Ø 12, 14, 16, 18, 20, 22, 24, 26, 28, 30 mm
- 2 x Pilot pin IBC.90 included

HCL.KIT/10

Dept of Cut 55 mm, 6 cutters

- Cutter sizes Ø 14, 18, 22 mm (2 of each DoC)
- Pilot pin IBC.90 included

HCL.KIT

Dept of Cut 30 mm, 10 cutters

- Cutter sizes 3 x Ø 14, 3 x Ø 18, 2 x Ø 22, 2 x Ø 26 mm
- 2 x Pilot pin IBC.70 included

HSS.KIT/10S-M2

Dept of Cut 55 mm, 10 cutters

- Cutter sizes 3 x Ø 14, 3 x Ø 18, 2 x Ø 22, 2 x Ø 26 mm
- 2 x Pilot pin IBC.90 included

HSS.KIT/10L-M2

imperial ▼

Dept of Cut 1", 6 cutters

- Cutter sizes Ø 9/16", 11/16", 13/16" (2 of each DoC)
- Pilot pin IBC.70 included

HCS.KIT/8

Dept of Cut 1", 10 cutters

- Cutter sizes 2 x Ø 9/16", 2 x Ø 11/16", 2 x Ø 13/16", 2 x Ø 7/8", Ø 15/16", Ø 1"
- 2 x Pilot pin IBC.70 included

HSS.KIT/10S-I1

Dept of Cut 2", 10 cutters

- Cutter sizes 2 x Ø 9/16", 2 x Ø 11/16", 2 x Ø 13/16", 2 x Ø 7/8", Ø 15/16", Ø 1"
- 2 x Pilot pin IBC.90 included

HSS.KIT/10L-I1

Dept of Cut 1" & 2", 6 cutters

- Cutter sizes Ø 9/16", 11/16", 13/16" (1 of each DoC)
- Pilot pins IBC.70 & IBC.90 included

HCS.KIT/9

Dept of Cut 1", 10 cutters

- Cutter sizes 3 x Ø 9/16", 3 x Ø 13/16", 3 x Ø 7/8", Ø 15/16"
- 2 x Pilot pin IBC.70 included

HSS.KIT/10S-I2

Dept of Cut 2", 10 cutters

- Cutter sizes 3 x Ø 9/16", 3 x Ø 13/16", 3 x Ø 7/8", Ø 15/16"
- 2 x Pilot pin IBC.90 included

HSS.KIT/10L-I2

Tungsten Carbide Tipped annular cutter sets



metric ▼

Dept of Cut 35 mm, 6 cutters

- Cutter sizes Ø 12, 14, 16, 18, 20, 22 mm
- Pilot pins IBC.75 & IBC.85 included

TCT.KIT

Dept of Cut 35 mm, 10 cutters

- Cutter sizes 3 x Ø 14, 3 x Ø 18, 2 x Ø 22, 2 x Ø 26 mm
- Pilot pins IBC.75 & IBC.85 included

TCT.KIT/10S-M1

Dept of Cut 55 mm, 6 cutters

- Cutter sizes Ø 12, 14, 16, 18, 20, 22 mm
- Pilot pins IBC.80 & IBC.90 included

TCT.KIT/L

Dept of Cut 55 mm, 10 cutters

- Cutter sizes 3 x Ø 14, 3 x Ø 18, 2 x Ø 22, 2 x Ø 26 mm
- Pilot pins IBC.80 & IBC.90 included

TCT.KIT/10L-M1

imperial ▼

Dept of Cut 1", 10 cutters

- Cutter sizes 2 x Ø 9/16", 2 x Ø 11/16", 2 x Ø 13/16", 2 x Ø 7/8", Ø 15/16", Ø 1"
- Pilot pins IBC.75 & IBC.85 included

TCT.KIT/10S-I1

Dept of Cut 2", 10 cutters

- Cutter sizes 2 x Ø 9/16", 2 x Ø 11/16", 2 x Ø 13/16", 2 x Ø 7/8", Ø 15/16", Ø 1"
- Pilot pins IBC.80 & IBC.90 included

TCT.KIT/10L-I1

Dept of Cut 1", 10 cutters


- Cutter sizes 3 x Ø 9/16", 3 x Ø 13/16", 3 x Ø 7/8", Ø 15/16"
- Pilot pins IBC.75 & IBC.85 included

TCT.KIT/10S-I2

Dept of Cut 2", 10 cutters

- Cutter sizes 3 x Ø 9/16", 3 x Ø 13/16", 3 x Ø 7/8", Ø 15/16"
- Pilot pins IBC.80 & IBC.90 included

TCT.KIT/10L-I2



‘This is not a drill’
_ *We repeat*
‘This is not a drill’



B60 Bevelling machine



Watch our machines in action on:
www.youtube.com/euroboorby

Technical data

| | |
|-------------------|--------------------------|
| Spindle speed rpm | 2,850 |
| Max. bevel width | 22 mm (45° angle) |
| Bevel angle | 0° - 60° |
| Pipe diameter | > 150 mm |
| Length | 415 mm |
| Width | 375 mm |
| Height | 268 mm |
| Weight | 22.3 kg |
| Motor power | 1,100 W |
| Voltage | 110 - 120 V / 60 Hz |
| | 220 - 240 V / 50 - 60 Hz |

Benefits

- Powerful high-efficiency motor
- Smooth control with clear, precise and simple (protected) control buttons
- Suitable for pipe material > Ø 150 mm
- Simple replacement and indexation of the cutting plates
- Wide and soft handles

Features



Adjustment
angle 0 - 60°



Bevel width
0 - 22 mm



Accessories B60



Milling head

B60.0027



Carbide cutting plates
(Sold per 10 pieces)

LKS.15



Magnetic digital level box

For measuring angles up to 90°

MLB.90



B60S Bevelling machine



Watch our machines in action on:
www.youtube.com/euroboorby

Technical data

| | |
|-------------------|--------------------------|
| Spindle speed rpm | 1,675 - 2,850 |
| Max. bevel width | 22 mm (45° angle) |
| Bevel angle | 0° - 60° |
| Pipe diameter | > 150 mm |
| Length | 415 mm |
| Width | 375 mm |
| Height | 268 mm |
| Weight | 24.5 kg |
| Motor power | 1,800 W |
| Voltage | 110 - 120 V / 60 Hz |
| | 220 - 240 V / 50 - 60 Hz |

Benefits

- Powerful high-efficiency motor
- Smooth control with clear, precise and simple (protected) control buttons
- Suitable for pipe material > Ø 150 mm
- Simple replacement and indexation of the cutting plates
- Wide and soft handles
- Exceptional powerful motor (1.800 W)
- Extremely suitable for stainless steel (with the use of stainless steel guide plate)
- Overload protection

Features



Adjustable
speed



Adjustment
angle 0 - 60°



Bevel width
0 - 22 mm



Accessories B60S



Stainless steel plate

To use on stainless steel materials.

B60.1020S



Milling head

B60.0027



Carbide cutting plates

(Sold per 10 pieces)

LKS.15



Magnetic digital level box

For measuring angles up to 90°

MLB.90

B45S Bevelling machine



Watch our machines in action on:
www.youtube.com/euroboorby

Technical data

| | |
|---------------------------------|--------------------------|
| Spindle speed rpm | 1,750 - 5,250 rpm |
| Max. bevel width | 6 mm (45° angle) |
| Min. diameter for inside bevels | 20 mm |
| Spindle thread | M12 x 1.75 |
| Length | 458 mm |
| Width | 137 mm |
| Height | 300 mm |
| Weight | 4.4 kg |
| Motor power | 1,250 W |
| Voltage | 110 - 120 V / 60 Hz |
| | 220 - 240 V / 50 - 60 Hz |

Benefits

- Ergonomic main handle, user-friendly controls, spindle speed adjustment range for various materials
- Quick and easy bevel width adjustment
- Clear bevel width indication
- Precision 45° milling head with 3 cutting edges (incl. cutting plates)
- Soft-grip front handle suitable for left- and right-handed users
- Electronic speed stabilization
- Anti-kickback and -breakthrough torque control (slow start)
- Quick and easy carbon brush replacement

Features



Adjustable speed



Overheat protection



Bevel width 0 - 6 mm



Accessories B45S



Carbide cutting plates
 Angle 30° & 45° (Sold per 10 pieces)

LKS.20



Carbide cutting plates
 R2.5 (Sold per 10 pieces)

LKS.20-R



Milling head

Angle 30°

B45S.1011A



Angle 45°

B45S.1011



R2.5

B45S.1011B



Magnetic digital level box
 For measuring angles up to 90°

MLB.90

EDG.600 Electric die grinder



Watch our machines in action on:
www.youtube.com/euroboorby

Technical data

| | |
|-----------------|--------------------------|
| Weight | 1.8 kg |
| Motor power | 600 W |
| Speed (no load) | 12,000 - 27,000 rpm |
| Collet | 6 mm |
| Voltage | 110 - 120 V / 60 Hz |
| | 220 - 240 V / 50 - 60 Hz |

Benefits

- Lightweight, small and compact design for use in tight spaces
- Easy to hold and carry
- Ideal for finishing dies, press working, die casting and moulding work

Features



Adjustable speed

Available as

- Carton box

EDG.600

- Luxury case

EDG.600 CASE

- Luxury case set, including a 10 pieces rotary burrs set.
Set includes:
Rotary burrs type B cylinder with end cut (RB.B0606 + RB.B1206)
Rotary burrs type C cylinder ball nose (RB.C0606 + RB.C1206)
Rotary burrs type D cylinder ball (RB.D0606 + RB.D1206)
Rotary burrs type F cylinder ball nose tree (RB.F0606 + RB.F1206)
Rotary burrs type G cylinder arc pointed tree (RB.G0606 + RB.G1206)

EDG.600 SET



ADG.2(A/S) Air die grinders



Watch our machines in action on:
www.youtube.com/euroboorby

| Technical data | ADG.2A | ADG.2S |
|----------------------|-----------------------------|-----------------------------|
| Weight | 0.53 kg | 0.67 kg |
| Free speed | 20,000 rpm | |
| Collet | 6 mm | |
| Air inlet (PT) | 1/4" | |
| Air hose (ID) | 3/8" | |
| Avg. air consumption | 0.113 m³/min (4 SCFM) | 0.142 m³/min (5 SCFM) |
| Working pressure | 6.3 bar (90 psi) | |
| Length | 193 mm | |
| Height | 70 mm | |

Benefits

- Excellent for grinding, polishing, deburring and smoothing sharp edges
- Four-speed rear regulator
- 360 degrees adjustable exhaust deflector
- Safety lever trigger

Features



Adjustable speed



Air motor:
min 6.3 bar
(90 PSI)

Available as

- Carton box
- Standard 6 mm (1/4") collet
- Optional 3 mm (1/8") collet

ADG.2A / ADG.2S

- Luxury case
- Standard 6 mm (1/4") and 3 mm (1/8") collet

ADG.2A-CASE / ADG.2S-CASE

- Luxury case set, including a 10 pieces rotary burrs set.
- Set includes:
- Standard 6 mm (1/4") and 3 mm (1/8") collet
 - Rotary burrs type B cylinder with end cut (RB.B0606 + RB.B1206)
 - Rotary burrs type C cylinder ball nose (RB.C0606 + RB.C1206)
 - Rotary burrs type D cylinder ball (RB.D0606 + RB.D1206)
 - Rotary burrs type F cylinder ball nose tree (RB.F0606 + RB.F1206)
 - Rotary burrs type G cylinder arc pointed tree (RB.G0606 + RB.G1206)

ADG.2A-SET / ADG.2S-SET



ADG.2A



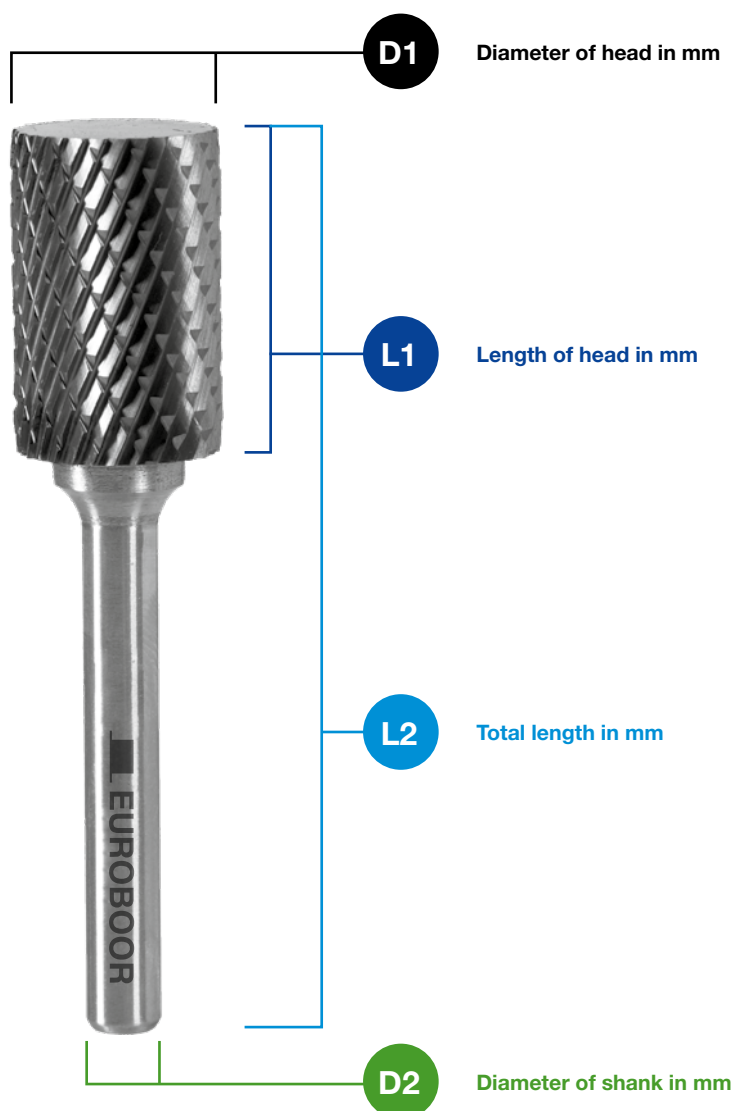
ADG.2S

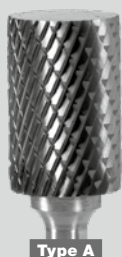
Rotary burrs

Tungsten Carbide

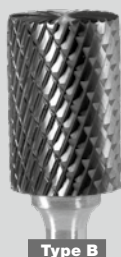
Euroboor heat treated durable Tungsten Carbide rotary burrs are engineered for rapid stock removal in harder materials. The coarse pitch of the teeth removes material effectively, while the deep secondary cuts

allow for smooth operation. It reduces the size of the chips and can be used at slower speeds than usual. The addition of the left hand flutes reduces the pulling action, allowing better operator control.

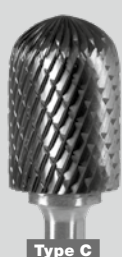




Type A



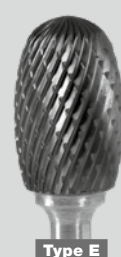
Type B



Type C



Type D



Type E



Type F

Type A cylinder - Ø and dimensions in mm
Without end cut


| D1 | D2 | L1 | L2 | Teeth | Code |
|----|----|----|------|------------|-----------|
| 3 | 3 | 13 | 38.5 | Double cut | RB.A0303 |
| 6 | 6 | 16 | 61 | Double cut | RB.A0606 |
| 8 | 6 | 20 | 65 | Double cut | RB.A0806 |
| 10 | 6 | 20 | 65 | Double cut | RB.A1006 |
| 12 | 6 | 25 | 70 | Double cut | RB.A1206 |
| 16 | 6 | 25 | 70 | Double cut | RB.A1606 |
| 8 | 6 | 20 | 65 | Diamond | RBD.A0806 |
| 10 | 6 | 20 | 65 | Diamond | RBD.A1006 |
| 12 | 6 | 25 | 70 | Diamond | RBD.A1206 |
| 16 | 6 | 25 | 70 | Diamond | RBD.A1606 |

Type B cylinder - Ø and dimensions in mm
With end cut


| D1 | D2 | L1 | L2 | Teeth | Code |
|----|----|----|------|------------|-----------|
| 3 | 3 | 13 | 38.5 | Double cut | RB.B0303 |
| 6 | 6 | 16 | 61 | Double cut | RB.B0606 |
| 8 | 6 | 20 | 65 | Double cut | RB.B0806 |
| 10 | 6 | 20 | 65 | Double cut | RB.B1006 |
| 12 | 6 | 25 | 70 | Double cut | RB.B1206 |
| 16 | 6 | 25 | 70 | Double cut | RB.B1606 |
| 8 | 6 | 20 | 65 | Diamond | RBD.B0806 |
| 10 | 6 | 20 | 65 | Diamond | RBD.B1006 |
| 12 | 6 | 25 | 70 | Diamond | RBD.B1206 |
| 16 | 6 | 25 | 70 | Diamond | RBD.B1606 |

Type C cylinder - Ø and dimensions in mm
Ball nose

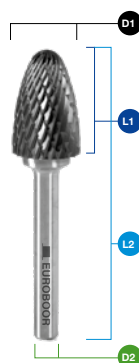

| D1 | D2 | L1 | L2 | Teeth | Code |
|----|----|----|------|------------|-----------|
| 3 | 3 | 13 | 38.5 | Double cut | RB.C0303 |
| 6 | 6 | 16 | 61 | Double cut | RB.C0606 |
| 8 | 6 | 20 | 65 | Double cut | RB.C0806 |
| 10 | 6 | 20 | 65 | Double cut | RB.C1006 |
| 12 | 6 | 25 | 70 | Double cut | RB.C1206 |
| 16 | 6 | 25 | 70 | Double cut | RB.C1606 |
| 8 | 6 | 20 | 65 | Diamond | RBD.C0806 |
| 10 | 6 | 20 | 65 | Diamond | RBD.C1006 |
| 12 | 6 | 25 | 70 | Diamond | RBD.C1206 |
| 16 | 6 | 25 | 70 | Diamond | RBD.C1606 |

Type D cylinder - Ø and dimensions in mm
Ball

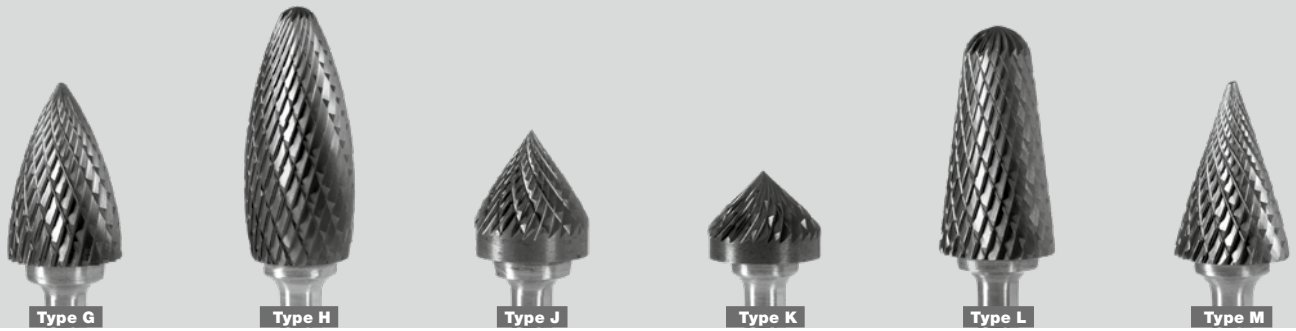

| D1 | D2 | L1 | L2 | Teeth | Code |
|----|----|------|------|------------|-----------|
| 3 | 3 | 2.7 | 38.5 | Double cut | RB.D0303 |
| 6 | 6 | 5.4 | 61 | Double cut | RB.D0606 |
| 8 | 6 | 7.2 | 65 | Double cut | RB.D0806 |
| 10 | 6 | 9 | 65 | Double cut | RB.D1006 |
| 12 | 6 | 10.8 | 70 | Double cut | RB.D1206 |
| 16 | 6 | 14.4 | 70 | Double cut | RB.D1606 |
| 8 | 6 | 7.2 | 65 | Diamond | RBD.D0806 |
| 10 | 6 | 9 | 65 | Diamond | RBD.D1006 |
| 12 | 6 | 10.8 | 70 | Diamond | RBD.D1206 |
| 16 | 6 | 14.4 | 70 | Diamond | RBD.D1606 |

Type E cylinder - Ø and dimensions in mm
Oval


| D1 | D2 | L1 | L2 | Teeth | Code |
|----|----|----|------|------------|-----------|
| 3 | 3 | 7 | 38.5 | Double cut | RB.E0303 |
| 6 | 6 | 10 | 55 | Double cut | RB.E0606 |
| 8 | 6 | 13 | 58 | Double cut | RB.E0806 |
| 10 | 6 | 16 | 61 | Double cut | RB.E1006 |
| 12 | 6 | 20 | 65 | Double cut | RB.E1206 |
| 16 | 6 | 25 | 70 | Double cut | RB.E1606 |
| 8 | 6 | 13 | 58 | Diamond | RBD.E0806 |
| 10 | 6 | 16 | 61 | Diamond | RBD.E1006 |
| 12 | 6 | 20 | 65 | Diamond | RBD.E1206 |
| 16 | 6 | 25 | 70 | Diamond | RBD.E1606 |

Type F cylinder - Ø and dimensions in mm
Ball nose tree


| D1 | D2 | L1 | L2 | Teeth | Code |
|----|----|----|------|------------|-----------|
| 3 | 3 | 13 | 38.5 | Double cut | RB.F0303 |
| 6 | 6 | 18 | 63 | Double cut | RB.F0606 |
| 8 | 6 | 20 | 65 | Double cut | RB.F0806 |
| 10 | 6 | 20 | 65 | Double cut | RB.F1006 |
| 12 | 6 | 25 | 70 | Double cut | RB.F1206 |
| 16 | 6 | 25 | 70 | Double cut | RB.F1606 |
| 8 | 6 | 20 | 65 | Diamond | RBD.F0806 |
| 10 | 6 | 20 | 65 | Diamond | RBD.F1006 |
| 12 | 6 | 25 | 70 | Diamond | RBD.F1206 |
| 16 | 6 | 25 | 70 | Diamond | RBD.F1606 |



Type G cylinder - Ø and dimensions in mm

Arc pointed tree



| D1 | D2 | L1 | L2 | Teeth | Code |
|----|----|----|------|------------|-----------|
| 3 | 3 | 13 | 38.5 | Double cut | RB.G0303 |
| 6 | 6 | 18 | 63 | Double cut | RB.G0606 |
| 8 | 6 | 20 | 65 | Double cut | RB.G0806 |
| 10 | 6 | 20 | 65 | Double cut | RB.G1006 |
| 12 | 6 | 25 | 70 | Double cut | RB.G1206 |
| 16 | 6 | 25 | 70 | Double cut | RB.G1606 |
| 8 | 6 | 20 | 65 | Diamond | RBD.G0806 |
| 10 | 6 | 20 | 65 | Diamond | RBD.G1006 |
| 12 | 6 | 25 | 70 | Diamond | RBD.G1206 |
| 16 | 6 | 25 | 70 | Diamond | RBD.G1606 |

Type H cylinder - Ø and dimensions in mm

Flame



| D1 | D2 | L1 | L2 | Teeth | Code |
|----|----|----|------|------------|-----------|
| 3 | 3 | 13 | 38.5 | Double cut | RB.H0303 |
| 6 | 6 | 18 | 63 | Double cut | RB.H0606 |
| 8 | 6 | 20 | 65 | Double cut | RB.H0806 |
| 10 | 6 | 20 | 70 | Double cut | RB.H1006 |
| 12 | 6 | 25 | 77 | Double cut | RB.H1206 |
| 16 | 6 | 25 | 81 | Double cut | RB.H1606 |
| 8 | 6 | 20 | 65 | Diamond | RBD.H0806 |
| 10 | 6 | 20 | 70 | Diamond | RBD.H1006 |
| 12 | 6 | 25 | 77 | Diamond | RBD.H1206 |
| 16 | 6 | 25 | 81 | Diamond | RBD.H1606 |

Type J cylinder - Ø and dimensions in mm

60 degree cone



| D1 | D2 | L1 | L2 | Teeth | Code |
|----|----|------|----|------------|-----------|
| 6 | 6 | 5.2 | 50 | Double cut | RB.J0606 |
| 10 | 6 | 8.7 | 53 | Double cut | RB.J1006 |
| 12 | 6 | 10.4 | 55 | Double cut | RB.J1206 |
| 16 | 6 | 13.8 | 58 | Double cut | RB.J1606 |
| 10 | 6 | 8.7 | 53 | Diamond | RBD.J1006 |
| 12 | 6 | 10.4 | 55 | Diamond | RBD.J1206 |
| 16 | 6 | 13.8 | 58 | Diamond | RBD.J1606 |

Type K cylinder - Ø and dimensions in mm

90 degree cone



| D1 | D2 | L1 | L2 | Teeth | Code |
|----|----|----|----|------------|-----------|
| 6 | 6 | 16 | 61 | Double cut | RB.K0606 |
| 10 | 6 | 25 | 70 | Double cut | RB.K1006 |
| 12 | 6 | 28 | 73 | Double cut | RB.K1206 |
| 16 | 6 | 33 | 78 | Double cut | RB.K1606 |
| 12 | 6 | 28 | 73 | Diamond | RBD.K1206 |
| 16 | 6 | 33 | 78 | Diamond | RBD.K1606 |

Type L cylinder - Ø and dimensions in mm

Ball nose cone



| D1 | D2 | L1 | L2 | Teeth | Code |
|----|----|----|------|------------|-----------|
| 3 | 3 | 13 | 38.5 | Double cut | RB.L0303 |
| 6 | 6 | 18 | 61 | Double cut | RB.L0606 |
| 8 | 6 | 22 | 65 | Double cut | RB.L0806 |
| 10 | 6 | 25 | 70 | Double cut | RB.L1006 |
| 12 | 6 | 28 | 73 | Double cut | RB.L1206 |
| 16 | 6 | 33 | 78 | Double cut | RB.L1606 |
| 8 | 6 | 22 | 65 | Diamond | RBD.L0806 |
| 10 | 6 | 25 | 70 | Diamond | RBD.L1006 |
| 12 | 6 | 28 | 73 | Diamond | RBD.L1206 |
| 16 | 6 | 33 | 78 | Diamond | RBD.L1606 |

Type M cylinder - Ø and dimensions in mm

Cone



| D1 | D2 | L1 | L2 | Teeth | Code |
|----|----|----|------|------------|-----------|
| 3 | 3 | 13 | 38.5 | Double cut | RB.M0303 |
| 6 | 6 | 18 | 63 | Double cut | RB.M0606 |
| 8 | 6 | 20 | 65 | Double cut | RB.M0806 |
| 10 | 6 | 20 | 65 | Double cut | RB.M1006 |
| 12 | 6 | 25 | 70 | Double cut | RB.M1206 |
| 16 | 6 | 25 | 70 | Double cut | RB.M1606 |
| 8 | 6 | 20 | 65 | Diamond | RBD.M0806 |
| 10 | 6 | 20 | 65 | Diamond | RBD.M1006 |
| 12 | 6 | 25 | 70 | Diamond | RBD.M1206 |
| 16 | 6 | 25 | 70 | Diamond | RBD.M1606 |

Rotary burrs sets



Type N



Type N cylinder - Ø and dimensions in mm
Inverted cone

| D1 | D2 | L1 | L2 | Teeth | Code |
|----|----|----|------|------------|-----------|
| 3 | 3 | 13 | 38.5 | Double cut | RB.N0303 |
| 6 | 6 | 17 | 52 | Double cut | RB.N0606 |
| 10 | 6 | 10 | 55 | Double cut | RB.N1006 |
| 12 | 6 | 13 | 58 | Double cut | RB.N1206 |
| 16 | 6 | 16 | 61 | Double cut | RB.N1606 |
| 10 | 6 | 10 | 55 | Diamond | RBD.N1006 |
| 12 | 6 | 13 | 58 | Diamond | RBD.N1206 |



5 piece rotary burrs set shaft Ø 6 mm

- High-quality Tungsten Carbide (K30).
- Double cut - designed for rapid stock removal.
- Delivered with:
 - RB.A1006 - Cylinder without end cut
 - RB.B1006 - Cylinder with end cut
 - RB.C1206 - Cylinder ball nose
 - RB.F1006 - Cylinder ball nose tree
 - RB.L1206 - Cylinder ball nose cone

RBS.105



10 piece rotary burrs set shaft Ø 6 mm

- High-quality Tungsten Carbide (K30).
- Double cut - designed for rapid stock removal.
- Delivered with:
 - RB.A1006 - Cylinder without end cut
 - RB.C1006 - Cylinder ball nose
 - RB.D1006 - Cylinder ball
 - RB.E1206 - Cylinder oval
 - RB.F1206 - Cylinder ball nose tree
 - RB.G1206 - Cylinder arc pointed tree
 - RB.J1006 - Cylinder 60 degree cone
 - RB.L1206 - Cylinder ball nose cone
 - RB.M1206 - Cylinder cone
 - RB.N1006 - Cylinder inverted cone

RBS.110

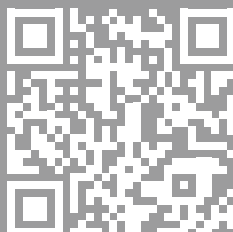
Don't forget! Register your machine

Make sure to fill in our register form on our website as soon as you can and double the warranty period on your machine(s). This applies on all Euroboor magnetic drilling machines and bevelling machines.

Registration benefits:

- ✓ Double warranty period;
- ✓ Registered repair history;
- ✓ Fast and professional service;
- ✓ Up-to-date product information;
- ✓ Get information about special offers.

www.euroboor.com/support/register



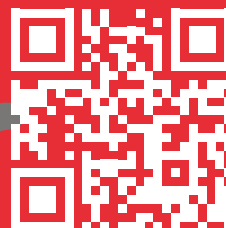
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EBS.500 Band saw



Watch our machines in action on:
www.youtube.com/euroboorbv

Technical data

| | |
|----------------------------|---|
| Dimensions (l x w x h) | 650 x 310 x 450 mm |
| Weight | 20 kg |
| Motor power | 1,010 W |
| Cutting speed | adjustable, 30 - 80 m |
| Cutting angle | adjustable, 0° - 60° |
| Cutting capacity: at 0° | ○ 125 mm |
| | □ 130 x 125 mm |
| at 45° | ○ 76 mm |
| | □ 76 x 76 mm |
| at 60° | ○ 50 mm |
| | □ 50 x 50 mm |
| Saw band | 13 x 0.65 x 1,440 mm, 10 - 14 tpi M42 8% Cobalt |
| Voltage | 110 - 120 V / 60 Hz |
| | 220 - 240 V / 50 - 60 Hz |

Benefits

- Adjustable vice, cutting angle and sawing speed
- Constant speed due to digital electronic speed regulator
- Wide cutting angle adjustment range
- Double motor protection: amperage and temperature limiter
- Anti-reset safety function
- User-friendly vice with clear indicators
- Adjustable bar stop rod for mass produced cuts
- Chip scraper



Simple speed adjustment with quick guide



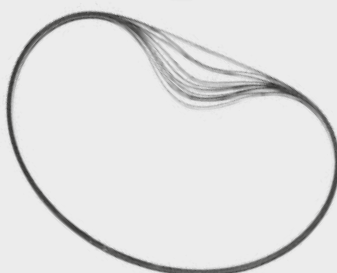
Wide cutting angle adjustment range

Accessory EBS.500

EBS.500 uses:

saw band 13 x 0.65 x 1,440 mm, 6 - 10 tpi (set of 5)

Art. nr.: 500.0001



Features



Adjustable speed



Cutting capacity
125 mm



Adjustment angle
0 - 60°

EDC.135 Dry cut-off saw



Watch our machines in action on:
www.youtube.com/euroboorby

Technical data

| | |
|-------------------------|--------------------------|
| Dimensions (l x w x h) | 610 x 282 x 630 mm |
| Weight | 23 kg |
| Motor power | 2,200 W |
| Cutting speed (no load) | 1,300 rpm |
| Cutting angle | adjustable, 0° - 45° |
| Bore size | Ø 25.4 mm (1") |
| Cutting capacity at 0° | ● 130 mm |
| | ■ 120 x 120 mm |
| | ■ 95 x 185 mm |
| Cutting capacity at 45° | ● 105 mm |
| | ■ 90 x 90 mm |
| | ■ 80 x 110 mm |
| Max. Ø saw blade | 355 mm |
| Voltage | 110 - 120 V / 60 Hz |
| | 220 - 240 V / 50 - 60 Hz |

Benefits

- Easily accessible carbon brushes
- Easily accessible saw blade lock nut (spanner included)
- Chip shield
- Easy blade replacement
- Retractable blade guard with pull-down protection



Easy carbon brush replacement



Easy blade replacement



Adjustable vice
0° - 45°

Accessory EDC.135

EDC.135 uses:
 saw blade 355 mm, 80 teeth, bore 25.4 mm

Art. nr.: 130.355/80



Features



Cutting capacity
130 mm



Adjustment angle
0 - 45°

EHC.230/4 Circular cut-off saw



Watch our machines in action on:
www.youtube.com/euroboorby

Technical data

| | |
|---------------------------|--------------------------------------|
| Dimensions (l x w x h) | 420 x 210 x 370 mm |
| Weight | 9.7 kg |
| Motor power | 1,800 W |
| Cutting speed (no load) | 2,300 rpm |
| Cutting angle, adjustable | 0 - 45° |
| Bore size | Ø 25.4 mm (1") |
| Max. saw depth 0° | 83 mm |
| Max. saw depth 45° | 56.5 mm |
| Max. Ø Saw blade | 230 mm |
| Max. continuous use | 45 minutes |
| Continuous capacity | 6 mm |
| Cut-off capacity | 3 - 10 mm, built-in laser indication |
| Voltage | 110 - 120 V / 60 Hz |
| | 220 - 240 V / 50 - 60 Hz |



Accessory EHC.230/4

EHC.230/4 uses:
 saw blade 230 mm, 48 teeth, bore 25.4 mm

Art. nr.: 230.0003



Benefits

- Wide and stable guide plate
- Integrated cutting length indication
- Built-in laser indicator
- Retracting full blade protection
- Durable safety covers
- Quick-release chip collector
- Easily accessible carbon brushes
- Overload switch



Overload Switch



Adjustable cutting angle, up to 45°



Stable guide plate

Features



Cutting capacity
 83 mm



Adjustment angle
 0 - 45°

Lifting magnets

Euroboor lifting magnets are engineered with top priority on safety and practical use. This attention to detail during the manufacturing process makes it possible to combine high-uniform magnetic strength with easy and smooth handle operation. The compact design and limited weight make the magnets easy to handle, optimize workspace and fully exploit crane capacity.

Safety factor 3.5

Euroboor lifting tools are designed to withstand at least 3.5 times the recommended workload and each lifting magnet is individually tested and delivered with a specific certificate as proof of safety. Our lifting tools provide reliable and consistent performance, also under extreme conditions.

Benefits:

- **Safety factor 3.5; Lift at least 3.5 times the suggested weight load**
- **Suitable for flat and tubular objects**
- **Suitable for rough or finished surfaces**
- **High lifting capacity**
- **Suitable for temperatures up to 80°C / 176 °F**
- **Maintenance free**
- **Certified safety**
- **Reliable and consistent performance, also under extreme conditions**
- **Easy handling and operation**

| Model | ELM.125 | ELM.250 | ELM.500 | ELM.1000 | ELM.2000 |
|------------------------------------|---------|---------|---------|----------|----------|
| Length (mm) | 137 | 199 | 263 | 303 | 414 |
| Width (mm) | 62 | 90 | 115 | 150 | 190 |
| Height (mm) | 111 | 163 | 185 | 228 | 297 |
| Width of eye (mm) | 21 | 38 | 42 | 50 | 56 |
| Weight (kg) | 4,4 | 10,8 | 21,2 | 42 | 104,8 |
| Workload limit (kg) flat material | 125 | 250 | 500 | 1000 | 2000 |
| Workload limit (kg) round material | 60 | 125 | 250 | 500 | 1000 |
| Plate minimal thickness (mm) | 15 | 25 | 30 | 40 | 55 |
| Round min - max thickness (Ø) | 40/80 | 50/100 | 100/250 | 150/380 | 180/450 |
| Max. operation temp. (°C) | < 80 | < 80 | < 80 | < 80 | < 80 |





Lifting magnet 125 kg

ELM.125



Lifting magnet 250 kg

ELM.250



Lifting magnet 500 kg

ELM.500



Lifting magnet 1,000 kg

ELM.1000



Lifting magnet 2,000 kg

ELM.2000



World wide

Euroboor is currently serving an increasing amount of more than 70 countries, covering all continents. With multiple offices throughout the world and many committed distributors. We are proud to be a close-knit team of international employees with shared values and ambitions, ready to make your working day an easier day.



Stock

Euroboor is a privately owned company with in-house production and continuous supply to each of our offices. Whatever your needs are, we strive to serve you with the best possible solutions on the shortest term possible.



Fast delivery

With a fine network of stock keeping offices, distributors and wholesalers, Euroboor will make sure your orders are being supplied with the speed and care they deserve.



Tech support

Our qualified staff of specialists can help you with all your technical requests. Whether it comes down to our offerings, servicing your tool or advise on the most difficult drilling tasks, there is hardly anything we have not dealt with before.



Premium parts

Our complete product range is built on proper quality standards. Throughout the lifecycle of your tools, we will make sure these standards are being kept with supplying you only original manufacturing spare parts.

Metal workers choice



Our company logo represents the slug created with the use of our annular cutters – the solid Euroboor core of your metal working job.

Euroboor worldwide



The Netherlands



Russia



China



United States of America



United Arab Emirates





Abridged version of the general terms and conditions

of (i) EUROBOOR B.V., in Zoetermeer The Netherlands, (ii) Euroboor USA Inc., Birmingham, USA.,
(iii) Euroboor LC, St. Petersburg, Russia, (iv) Euroboor LC, Chelyabinsk, Russia,
(v) MEEBS FZE, Sharjah, UAE, (vi) Euroboor Metal Constructions Instruments Co., Zhangjiagang, China

1. General

All our offers, quotations, agreements and their implementation are subject to the general terms and conditions, as amended from time to time, and as deposited at the chamber of commerce and industry in the Hague under registration 27125112. The applicability of all other (general) terms and conditions, in particular those of the customer and/or contractor ("customer") is excluded. This abridged version merely serves as an introduction to the complete set of our general terms and conditions referred to in the foregoing. In case of contradiction between the terms of this abridged version and the general terms and conditions, the latter shall prevail.

2. Quotations

Our quotations, in whatever form, are not binding upon us and merely constitute an invitation to the customer to place an order. All information and/or data provided with quotations remain our intellectual property. We are not liable for incorrect information provided along with our quotations.

3. Agreements

Agreements, including further commitments and/or modifications, are only binding following our explicit written confirmation or acceptance.

4. Prices

Our prices are based on delivery exw (prevailing incoterms) and are exclusive of value added tax, shipping, etc. We reserve the right to change prices.

5. Deliveries and leadtimes

Delivery times are stated as approximate. Excess of delivery times does not give rise to any claims for damages by the customer in any event. Cancellation is only permitted after

repeated excess of delivery times, and only following written notice of default by the customer.

6. Liability

Our liability for any and all claims for damages arising out of or in connection with the sale and delivery of the goods and the use thereof shall under no circumstances exceed the sum of customer's payments for the goods that are the subject of any such claim.

7. Complaints

Complaints about the goods supplied must be made in writing and must reach us no later than seven (7) days from the date of delivery, or seven (7) days from the date on which the basis for a complaint was or ought to have been apparent.

8. Payment and retention of title

Payment shall be made into our bank account no later than 30 days after date of invoice. Interest shall be due in case of late payment. The ownership of the goods shall not pass to customer, and full legal and beneficial ownership of the goods shall remain with us, unless and until we have received payment for the goods in full. We are entitled to demand payment guarantees prior to delivery.

9. Disputes and applicable law

The laws of the Netherlands shall apply and suits, actions or proceedings that may be instituted by any party shall be at the competence of the courts in the district of Rotterdam, the Netherlands.

Notes

www.euroboor.com



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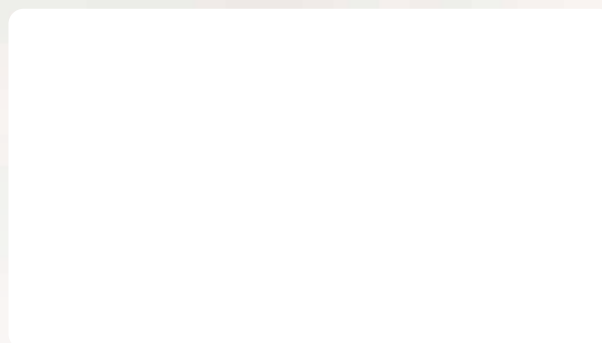
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