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www.euroboor.su

Design and lay-out
VormPro (NL)

Table of contents

Euroboor

Research & development

Customer feedback

While we always enter an engineering project with the goal to exceed the customers' expectations, exactly. These expectations are the most important part of any development. User requirements are the basis of the practical insight we need to make the most of the engineering power on hand.

Production methods

The production of our magnetic drilling machines takes place in our own, highly-organized facility. Equipped with state of the art machinery and being staffed with continuously trained and educated workers we are able to produce our products to the highest standards. In addition we can also adapt and evolve easily, and make new developments and products available to you quickly.

Dedicated engineering

Any power tool is only as strong, reliable or effective as its weakest component. That is why the development of each and every part in our power tools receives the same engineering approach. The diversity of expertise in our engineering team ensures our developments to be as complete and well-thought-out as possible.

Extensive testing

Being able to replicate even the worst conditions in our laboratory we test each and every concept, sample and component to its limits and beyond. With the means of rapid prototyping and other in-house prototyping, manufacturing and testing facilities we are able to test individual parts to the core. Even more important are the endurance tests of joined components and full prototype machines, which are intertwined with the entire development process.

Development philosophy

Efficiency
Our key driving force in the development of our tools is to improve the extent to which time and effort are well used for the intended task or purpose, or in other words: maximizing the efficiency of our tools. This way of thinking is reflected in multiple ways.

Material efficiency
Due to smart engineering of our products and the production process, we are able to minimize usage of raw materials and time needed to prepare components, thus consuming and wasting less material. The use of virgin, but renewable, raw materials in combination with our advanced manufacturing methods help us to develop better, lighter, stronger and more reliable tools.

Mechanical efficiency
The structure and mechanics are extremely important quality factors of a (power) tool. Minimal friction, part deformation and wear, result in machines that are much more effective in transforming energy and power into effective force and movement.

Electrical efficiency
Euroboor values a good quality electric motor as much as our customers do. With strict specifications and premium materials (such as high quality copper wire and high silver concentrates in contact surfaces) we develop and produce our electric motors to deliver as much output performance as possible.

Sustainability & ecological awareness

The Euroboor approach to development and production goes hand in hand with taking care of the environment. The effect is already noticeable in the production process: careful selection of materials, minimal loss of raw material and shortened production time have an immediate positive effect: reduction of the use of natural resources.

The practical use of a highly efficiently operating (power) tool is clear: faster and better results. Reduced operating time also directly translates into reduced energy use: less stress on the environment and another operating benefit for your company.

Additionally, high endurance Euroboor products play their part in relieving the stress on the earth's resources – both your tools and the world as we know it will simply last longer.

Your tools

Efficiency in metal working is all about maximizing the utility of your tools, anytime and everywhere, over and over again.
We dare to say we know what a metal worker needs: Strength. Speed.

Reliability. Precision. Simplicity. Durability. All combined.
We leave no stone unturned in trying to find ways to make ourselves the best possible partner for you, and make your drilling job easier, better and faster.

Overview magnetic drilling machines






Magnetic drill	ECO.30 (p.8)	ECO.32 (p.10)	ECO.40/2 (p.12)	ECO.40S (p.14)	ECO.50-T (p.16)	ECO.50S (p.18)
Annular cutters	Ø 12 - 30 mm	Ø 12 - 32 mm	Ø 12 - 40 mm	Ø 12 - 40 mm	Ø 12 - 50 mm	Ø 12 - 50 mm
Twist drills	Ø 13 mm (Weldon)	Ø 1 - 13 mm	Ø 1 - 13 mm	Ø 1 - 16 mm	Ø 1 - 23 mm	Ø 1 - 23 mm
Countersinking	Ø 35 mm	Ø 40 mm	Ø 45 mm	Ø 45 mm	Ø 55 mm	Ø 55 mm
Threading	n/a	M3 - M12 (32-T)	n/a	n/a	M3 - M20 (50-T)	n/a
Length	275 mm	320 mm	320 mm	264 mm	320 mm	320 mm
Width	190 mm	210 mm	210 mm	180 mm	210 mm	200 mm
Height	293 - 383 mm	370 - 512 mm	395 - 540 mm	360 - 440 mm	385 - 540 mm	445 - 615 mm
Stroke	90 mm	150 mm	150 mm	145 mm	170 mm	170 mm
Weight	8,5 kg	12 kg	12 kg	11,2 kg	14 kg	11,2 kg
Magnet (lxwxh)	160 x 80 x 37 mm	160 x 80 x 42 mm	160 x 80 x 42 mm	160 x 80 x 42 mm	170 x 85 x 48 mm	168 x 84 x 42 mm
Magnetic force	1200 kg	1500 kg	1500 kg	1500 kg	1850 kg	1700 kg
Motor power	900 W	1000 W	1050 W	1150 W	1250 W	1250 W
Total power	950 W	1050 W	1100 W	1200 W	1375 W	1300 W
Speed (no load)	775 min^{-1}	775 min^{-1}	720 / 1300 min^{-1}	600	100-280 / 185-530 min^{-1}	315 / 690 min^{-1}
Speed (load)	400 min^{-1} (900W)	400 min^{-1} (1000W)	315 / 560 min^{-1} (1050W)	380 min^{-1} (1150W)	250 / 460 min^{-1} (1250W)	235 / 425 min^{-1} (1250W)
Spindle (Weldon)	19,05 mm	19,05 mm	19,05 mm	19,05 mm	MT2 19,05 mm	MT3 19,05 mm
Power source	110-120 / 220-240 V / 50-60 Hz					






Specials	F16 (p.36)	TUBE.30 (p.40)	TUBE.55-T (p.42)	ECO.36 (p.44)	EBM.360 (p.46)	AIR.52/3 (p.48)
Annular cutters	n/a	Ø 12 - 30 mm	Ø 12 - 55 mm	Ø 12 - 36 mm	Ø 12 - 36 mm	Ø 12 - 52 mm
Twist drills	Ø 16 mm	Ø 14 mm (Weldon)	Ø 1 - 23 mm	Ø 14 mm (Weldon)	Ø 1 - 13 mm	Ø 1 - 13 mm
Countersinking	Ø 35 mm	Ø 10 - 35 mm	Ø 60 mm	Ø 10 - 40 mm	Ø 10 - 40 mm	Ø 10 - 40 mm
Threading	n/a	n/a	M3 - M20	n/a	n/a	n/a
Length	310 mm	275 mm	320 mm	310 mm	297 mm	340 mm
Width	170 mm	185 mm	210 mm	135 mm	112 mm	250 mm
Height	325 - 495 mm	326 - 416 mm	523 - 693 mm	165 mm	420 - 610 mm	560 mm
Stroke	170 mm	90 mm	170 mm	40 mm	230 mm	120 mm
Weight	13,6 kg	11 kg	17,6 kg	10,3 kg	15 kg	13 kg
Magnet (lxwxh)	160 x 80 x 36 mm	187 x 165 x 83 mm	266 x 238 x 82 mm	160 x 80 x 42 mm	160 x 80 x 42 mm	220 x 75 mm
Magnetic force	1200 kg	532 kg	860 kg	1200 kg	1700 kg	1000 kg
Motor power	n/a	900 W	1600 W	1050 W	1300 W DC	n/a
Total power	n/a	950 W	1700 W	1100 W	1350 W DC	n/a
Speed (no load)	n/a	775 min^{-1}	185 - 530 min^{-1}	700 min^{-1}	506 min^{-1}	400 min^{-1}
Speed (load)	n/a	400 min^{-1} (900 W)	250 - 460 min^{-1} (1600W)	400 min^{-1} (1050W)	375 min^{-1} (1300W)	-
Spindle (Weldon)	n/a	19,05 mm	MT3 19,05 mm	19,05 mm	19,05 mm	19,05 mm
Power source	110-120 / 220-240 V / 50-60 Hz				37V Battery 7.6Ah li-ion	Air, min. 6,3 bar (90 PSI) 0,9 m3/min

ECO.55-T (p.22)	ECO.55-TA (p.24)	ECO.60S (p.26)	ECO.80/4 (p.28)	ECO.100/4 (D) (p.32)	ECO.200 (p.34)
Ø 12 - 55 mm	Ø 12 - 55 mm	Ø 12 - 60 mm	Ø 12 - 80 mm	Ø 12 - 100 mm	Ø 12 - 200 mm
Ø 1 - 23 mm	Ø 1 - 23 mm	Ø 1 - 23 mm	Ø 1 - 31,75 mm	Ø 1 - 31,75 mm	Ø up to 44 mm
Ø 60 mm	Ø 60 mm	Ø 65 mm	Ø 85 mm	Ø 105 mm	Ø 205 mm
M3 - M20	M3 - M20	n/a	n/a	M3 - M30	n/a
320 mm	345 mm	320 mm	365 mm	365 mm	480 mm
200 mm	305 mm	200 mm	310 mm	310 mm	260 mm
490 - 660 mm	490 - 660 mm	452 - 622 mm	510 - 710 mm	510 - 710 mm (+5mm > 100/4D)	660 - 840 mm
170 mm	170 mm	170 mm	260 mm	260 mm	180 mm
13,75 kg	23,5 kg	13 kg	28 kg	28 kg	53 kg
168 x 84 x 49 mm	168 x 84 x 49 mm	168 x 84 x 49 mm	220 x 110 x 64 mm	220 x 110 x 64 mm	330 x 110 mm x 63
1850 kg	1850 kg	1850 kg	3000 kg	3000 kg	3900 kg
1600 W	1600 W	1600 W	1900 W	1900 W	3600 W
1700 W	1700 W	1700 W	2050 W	2050 W	3800 W
60 - 275 / 100 - 500 min^{-1}	60 - 275 / 100 - 500 min^{-1}	60 - 275 / 100 - 500 min^{-1}	200 / 320 / 415 / 650 min^{-1}	42-110 / 65-190 / 140-400 / 220-620 min^{-1}	410 / 170 min^{-1}
60 - 275 / 100 - 500 min^{-1} (1600W)	60 - 275 / 100 - 500 min^{-1} (1600W)	60 - 275 / 100 - 500 min^{-1} (1600W)	150 / 200 / 275 / 400 min^{-1} (1700W)	85 / 152 / 270 / 480 min^{-1} (1900W)	150 / 70 min^{-1} (3600W)
MT3 19,05 mm	MT3 19,05 mm	MT3 19,05 mm	MT3 19,05 mm	MT3 19,05 mm	MT4 31,75 mm
110-120 / 220-240 V / 50-60 Hz					

Euroboor ECO Magnetic Drilling Machines

Our Magnetic Drilling Machines are designed and engineered to the highest standards. With our experience in this specific field 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 remain 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, and in case we cannot find one that fulfills our high demands, we roll up our sleeves and produce the required part ourselves. The same applies for all our drills and cutters too.
Since a machine is only as good as its weakest part, stringent durability tests in the intended machine configuration are performed for even the smallest part development.

Every stage in the production process is subjected to strict quality checks and pre-shipment inspections are equally meticulous. Only thus can we ensure the quality, durability, safety and performance you can be confident about.
Our full line-up of Magnetic Drilling Machines ranges from small scale fabrication to construction purposes and is 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.

ECO.30

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

30mm | 13mm | 35mm

8,5 kg | 900 W | 1200 kg | 90mm

World's lightest Mag Drill!
Only 8,5 kg

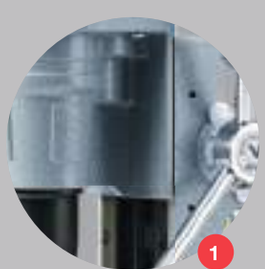
Due to its compact size the ECO.30 is the ideal machine to drill holes in small spaces. The ECO.30 measures barely 27,5 cm long and weighs only 8,5 kg. With its 900 W power the ECO.30 cuts holes between ø 12 and 30 mm easily and quickly.

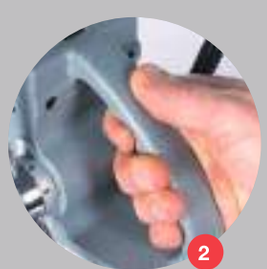
This machine is ideal for:
- Small fabrication jobs
- All-day use throughout the workshop
- Drilling tasks at location
- Quick preparation

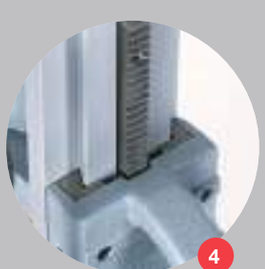
Features

- **Extremely light**
- **Most compact in class**
- **Incredibly easy to handle**
- **Direct spindle drive**
- **Safe and powerful**

Technical data	
Annular cutters	Ø 12 - 30 mm
Twist drills*	Ø 13 mm (Weldon)
Countersinking	Ø up to 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	1200 kg
Motor power	900 W
Total power	950 W
Speed (no load)	775 min^{-1}
Speed (load 900 W)	400 min^{-1}
Spindle (Weldon)	3/4" (19,05 mm)
Voltage	110V/220V - 50/60 Hz







1 Integrated slide and gearbox provides a number of benefits:
- High accuracy
- Sturdy design enlarges lifecycle
- Minimal vibration

2 Ergonomic anti fatigue grip

3 Strong dual coil CNC machined magnet

4 High precision height adjustment:
- low maintenance
- minimal wear correction

5 Delivered fully equipped in a sturdy and organized suitcase

* With Weldon shank twist drills. See page 95.

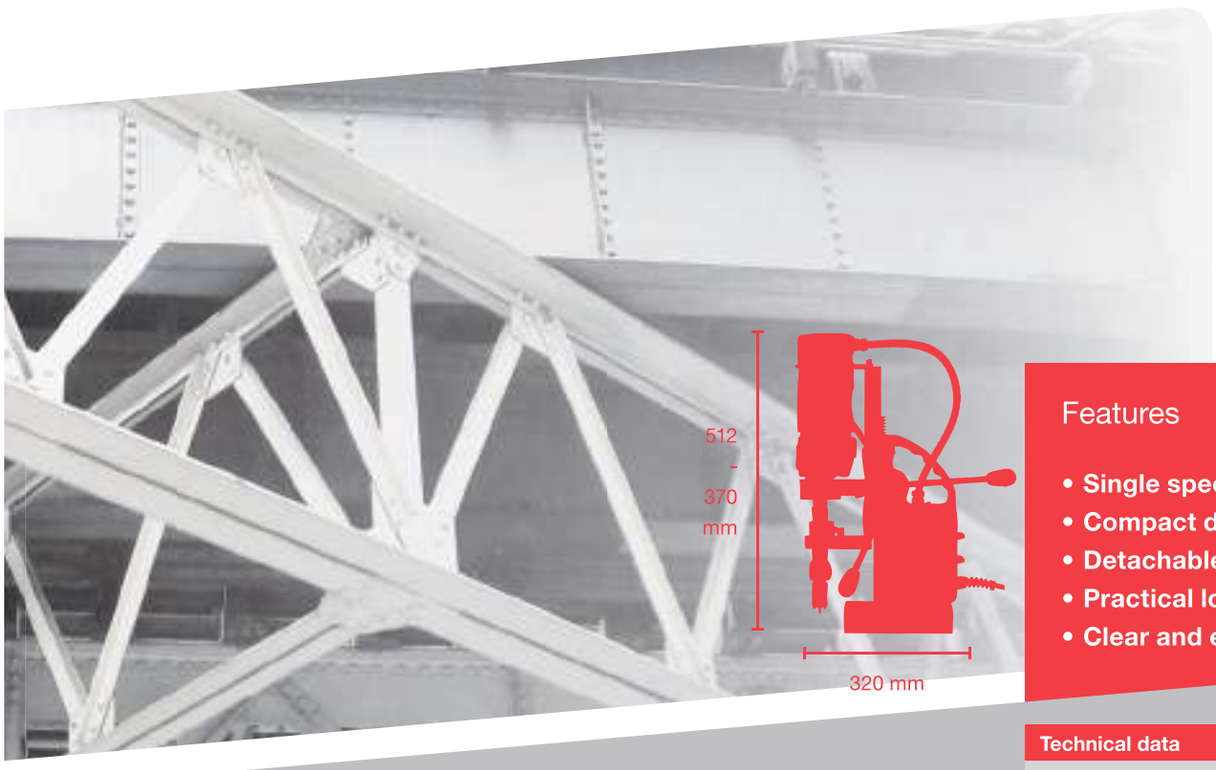
≤ Ø 30 mm	≤ Ø 13 mm*	≤ Ø 35 mm	accessories
page: 66	page: 91	page: 91	page: 55

ECO.32

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

32mm	13mm	40mm	
12	1000 W	1500	150mm

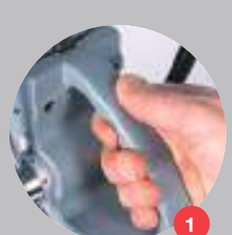
The ECO.32 has been the best selling magnetic drilling machine in recent years. The efficient basic model is equipped with an eager single speed motor.

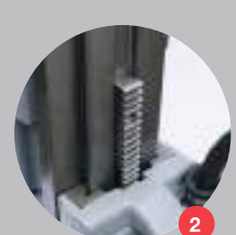


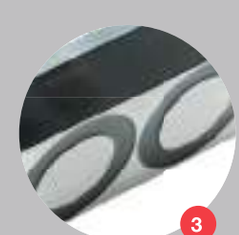
Features

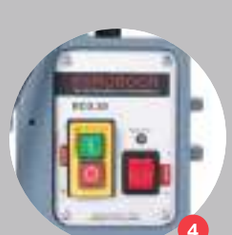
- **Single speed gearbox**
- **Compact design**
- **Detachable spindle**
- **Practical long stroke**
- **Clear and easy controls**

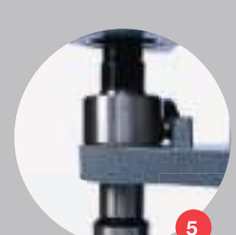
Technical data	
Annular cutters	Ø 12 - 32 mm
Twist drills	Ø 1 - 13 mm
Countersinking	Ø up to 40 mm
Length	320 mm
Width	210 mm
Height	370 - 512 mm
Stroke	150 mm
Weight	12 kg
Magnet (l x w x h)	160 x 80 x 42 mm
Magnetic force	1500 kg
Motor power	1000 W
Total power	1050 W
Speed (no load)	775 min^{-1}
Speed (load 1000 W)	400 min^{-1}
Spindle (Weldon)	3/4" (19,05 mm)
Voltage	110V/220V - 50/60 Hz

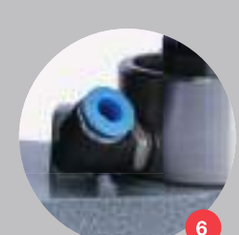












≤ Ø 32 mm	≤ Ø 13 mm	≤ Ø 40 mm	accessories
page: 66	page: 92	page: 91	page: 55

1 Ergonomic feed handle
2 High precision height adjustment: Low maintenance, minimal wear correction
3 Strong dual coil CNC machined magnet
4 Clear and easy controls
5 Detachable spindle
6 Integrated tool cooling

ECO.40/2

YouTube Watch our machines on:
www.youtube.com/euroboorbv

40mm	13mm	45mm
12	1050 W	1500	150mm

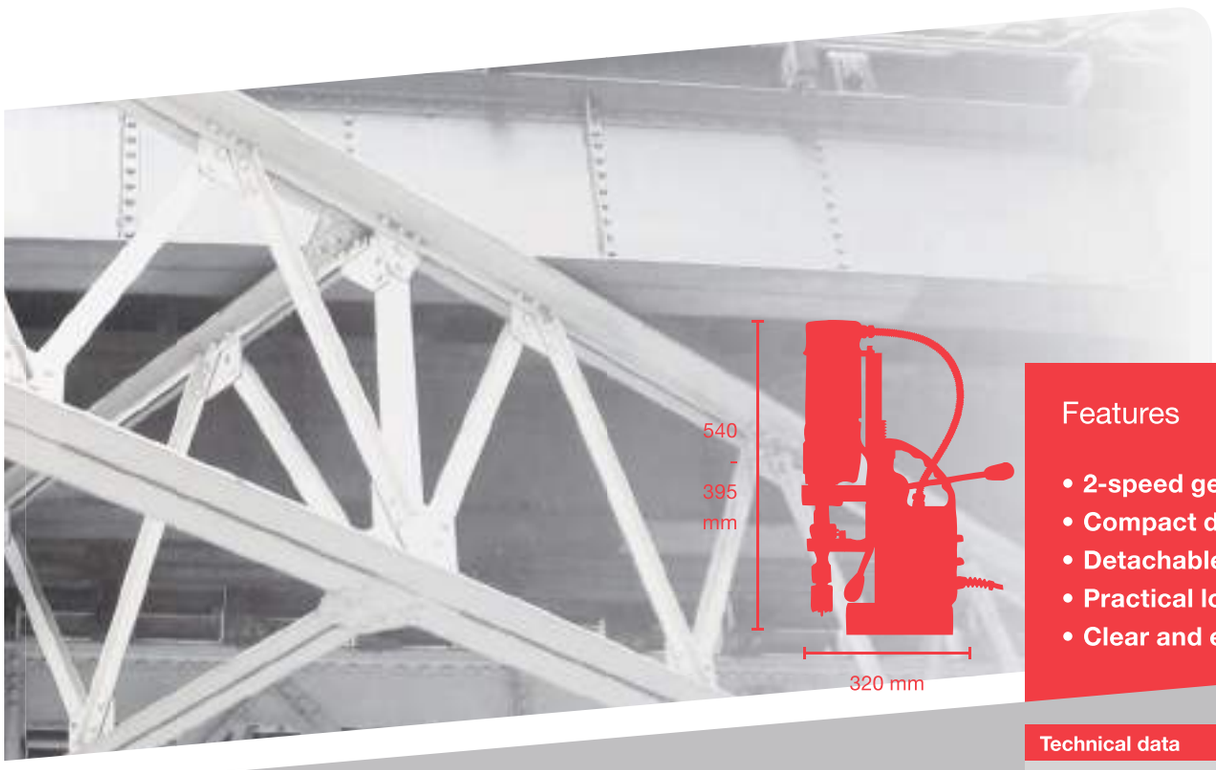
High speed gearing

Specially designed for twist drilling

With a touch of over-capacity, working is even more fun. The ECO.40 magnetic drilling machine has a powerfull motor and can be mechanically adjusted to two rotational speeds.

Higher spindle speed makes this machine particularly suitable for twist drilling.

Shown extras not included.

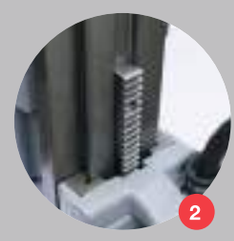


Features

- **2-speed gearbox**
- **Compact design**
- **Detachable spindle**
- **Practical long stroke**
- **Clear and easy controls**

Technical data	
Annular cutters	Ø 12 - 40 mm
Twist drills	Ø 1 - 13 mm
Countersinking	Ø up to 45 mm
Length	320 mm
Width	210 mm
Height	395 - 540 mm
Stroke	150 mm
Weight	12 kg
Magnet (l x w x h)	160 x 80 x 42 mm
Magnetic force	1500 kg
Motor power	1050 W
Total power	1100 W
Speed (no load)	(I) 720 min^{-1}
	(II) 1300 min^{-1}
Speed (load 1050 W)	(I) 315 min^{-1}
	(II) 560 min^{-1}
Spindle (Weldon)	3/4" (19,05 mm)
Voltage	110V/220V - 50/60 Hz


1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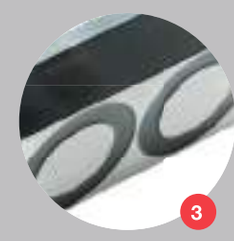
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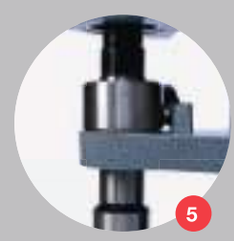
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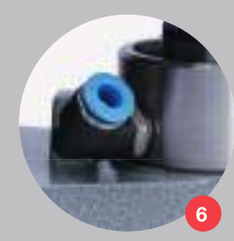
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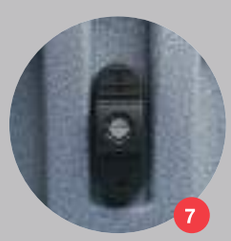
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1 Ergonomic feed handle
2 High precision height adjustment: Low maintenance, minimal wear correction
3 Strong dual coil CNC machined magnet
4 Clear and easy controls
5 Detachable spindle
6 Integrated tool cooling
7 2-speed gearbox

≤ Ø 40 mm	≤ Ø 13 mm	≤ Ø 45 mm	accessories
page: 66	page: 92	page: 91	page: 57

ECO.40S

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

40mm | 16mm | 45mm

11,2 kg | 1150 W | 1500 kg | 145mm

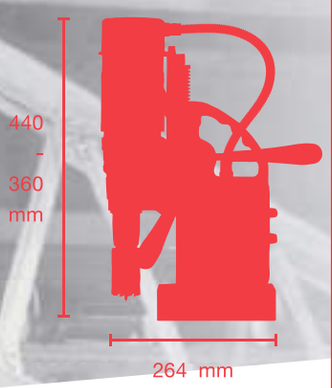
Lightest Ø 40 mm machine in the market

The ECO.40S magnetic drilling machine is the lightest Ø40 mm machine in the market, suitable for handling all sizes with ease. It fites cutters up to and including 110 mm in length. The machine is powered by a newly designed 1150 W HighEfficiency (HE) motor, with less heat generation and thus a longer lifespan. The oil lubricated 1-speed gearbox ensures optimal motor efficiency and lifetime of key components.

Shown extras not included.

This machine benefits from an oil lubricated gearbox

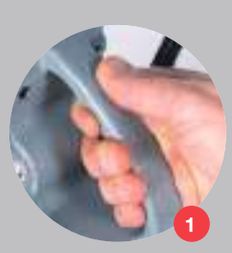
(Optimized motor efficiency and lifetime of key components)

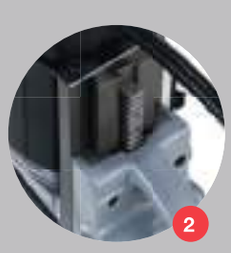


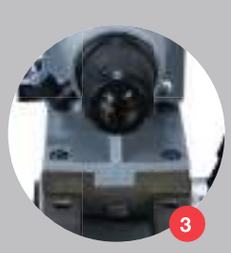
Features

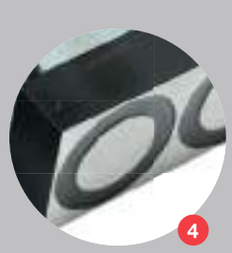
- **Fits cutters up to 110 mm length**
- **1-speed oil lubricated gearbox**
- **Stable gearbox with integrated slide**
- **Newly designed 1150 W motor**
- **Highly suitable for twist drilling.**

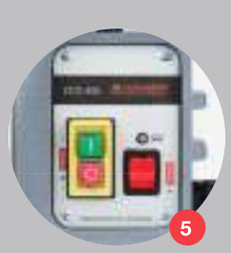
Technical data	
Annular cutters	Ø 12 - 40 mm
Twist drills	Ø 1 - 16 mm
Countersinking	Ø up to 45 mm
Length	264 mm
Width	180 mm
Height	360 - 440 mm
Stroke	145 mm
Weight	11,2 kg
Magnet (l x w x h)	160 x 80 x 42 mm
Magnetic force	1500 kg
Motor power	1150 W
Total power	1200 W
Speed (no load)	600 min^{-1}
Speed (load 1150 W)	380 min^{-1}
Spindle (Weldon)	3/4" (19,05 mm)
Voltage	110V/220V - 50/60 Hz

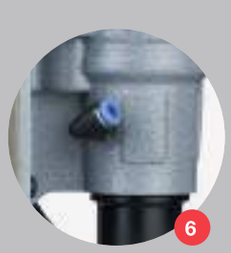


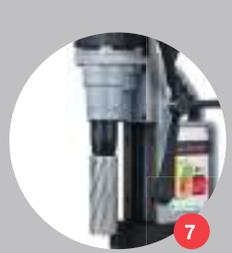












1 Ergonomic feed handle
2 High precision height adjustment: Low maintenance, minimal wear correction
3 Optimized construction
4 Strong dual coil CNC machined magnet
5 Clear and easy controls
6 Integrated tool cooling
7 Fits longer cutters

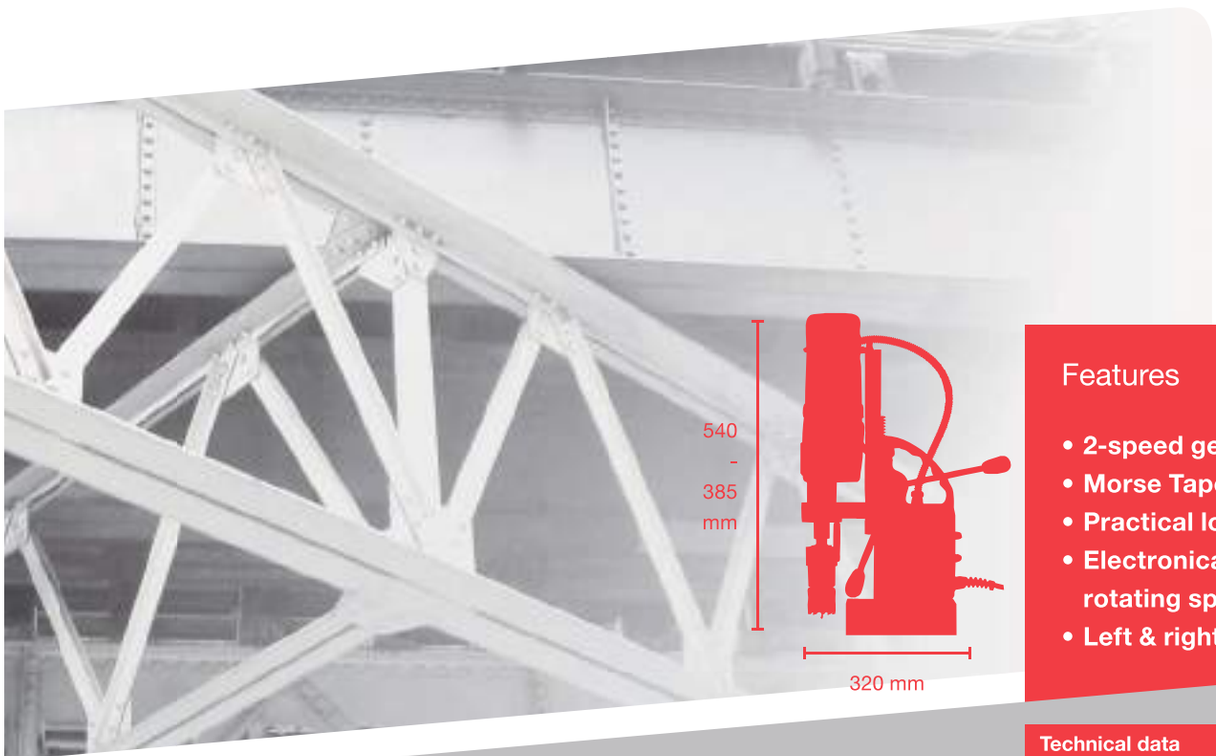
≤ Ø 40 mm	≤ Ø 16 mm	≤ Ø 45 mm	accessories
page: 66	page: 92	page: 91	page: 57

ECO.50-T

YouTube Watch our machines on:
www.youtube.com/euroboorbv

50mm	23mm	55mm	M20
14	1250 W	1850	170mm

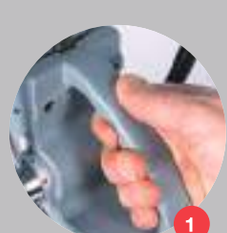
For maximum power without sacrificing mobility, the ECO.50 with Morse Taper 2 connection is what you need. This machine has proven to be the benchmark among users for years!



Features

- **2-speed gearbox**
- **Morse Taper 2 spindle**
- **Practical long stroke**
- **Electronically adjustable rotating speed**
- **Left & right rotation**

Technical data	
Annular cutters	Ø 12 - 50 mm
Twist drills	Ø 1 - 23 mm
Countersinking	Ø up to 55 mm
Threading	M3 - M20
Length	320 mm
Width	210 mm
Height	385 - 540 mm
Stroke	170 mm
Weight	14 kg
Magnet (l x w x h)	170 x 85 x 48 mm
Magnetic force	1850 kg
Motor power	1250 W
Total power	1375 W
Speed (no load)	(I) 100-280 min^{-1}
	(II) 185-530 min^{-1}
Speed (load 1000 W)	(I) 250 min^{-1}
	(II) 460 min^{-1}
Spindle (Weldon)	MT2 3/4" (19,05 mm)
Voltage	110V/220V - 50/60 Hz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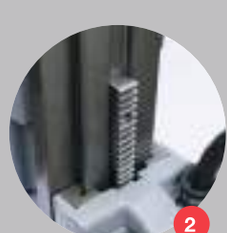
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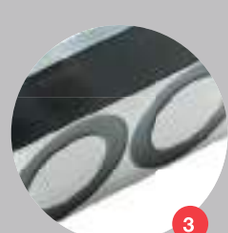
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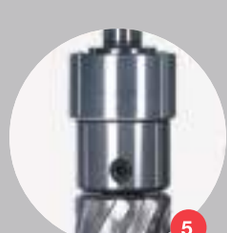
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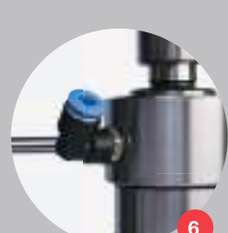
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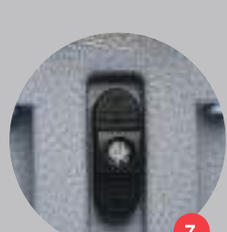
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8

9

1 Ergonomic feed handle
2 High precision height adjustment:
Low maintenance, minimal wear correction
3 Strong dual coil CNC machined magnet
4 Clear and easy controls
5 Morse Taper 2 spindle
6 Integrated tool cooling
7 2-speed gearbox switch
8 Right / left rotating functionality
9 Electronic speed adjustment

≤ Ø 50 mm	≤ Ø 23 mm	≤ Ø 55 mm	≤ M20	accessories
page: 66	page: 92	page: 91	page: 94	page: 55

ECO.50S

YouTube Watch our machines on:
www.youtube.com/euroboorbv

50mm	23mm	55mm

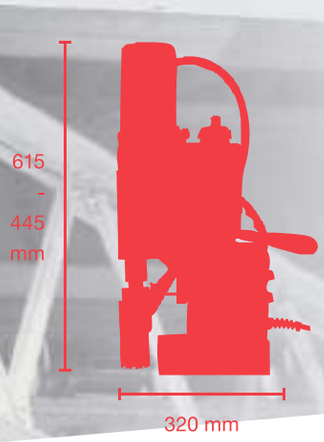
11,2	1250 W	1700	170mm

The most reliable magdrill on the market

Maximum power converted into the new 2 speed oil filled synchronized gearbox, which improves the motor efficiency and lifetime of key components. The one piece gearbox-in-slide design ensures stable support, faster drilling times and more accurate hole sizing.
The newly designed handles offer the operator more comfort, where the new internal handle support bearing ensures direct-feed travel.

This machine benefits from an oil lubricated gearbox

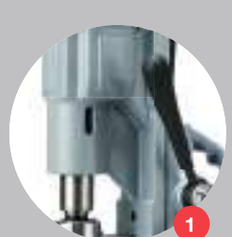
(Optimized motor efficiency and lifetime of key components)

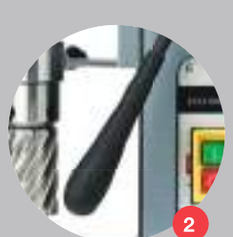


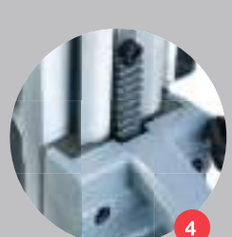
Features

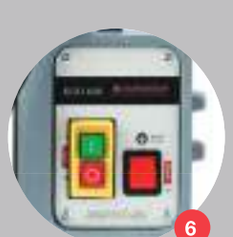
- **High precision slide & rail construction**
- **Integrated oil bath gearbox**
- **Morse Taper 3 Spindle**
- **Practical long stroke**
- **2-speed gearbox**

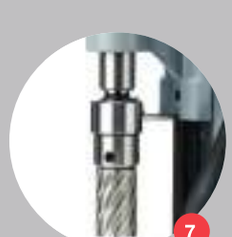
Technical data	
Annular cutters	Ø 12 - 50 mm
Twist drills	Ø 1 - 23 mm
Countersinking	Ø up to 55 mm
Length	320 mm
Width	200 mm
Height	445 - 615 mm
Stroke	170 mm
Weight	11,2 kg
Magnet (l x w x h)	168 x 84 x 42 mm
Magnetic force	1700 kg
Motor power	1250 W
Total power	1300 W
Speed (no load)	(I) 315 min^{-1}
	(II) 690 min^{-1}
Speed (load 1250 W)	(I) 235 min^{-1}
	(II) 425 min^{-1}
Spindle (Weldon)	MT3 3/4" (19,05 mm)
Voltage	110V/220V - 50/60 Hz

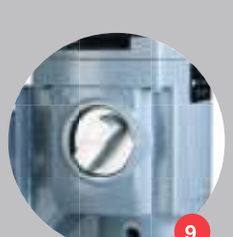












1 Integrated slide and gearbox system
2 Ergonomic feed handle
3 High accuracy capstan hub
4 High precision height adjustment
5 Strong dual coil CNC machined magnet
6 Clear and easy controls
7 Morse Taper 3 spindle
8 Integrated tool cooling
9 2-speed oil lubricated gearbox

≤ Ø 50 mm	≤ Ø 16 mm	≤ Ø 55 mm	accessories
page: 66	page: 92	page: 91	page: 55

The 55-series

Automatic or manual

Euroboor introduces the magnetic drilling machine series that truly matches your level of professionalism. Available in 4 levels of functionality, there is no doubt your needs for fully assisted and fastest drilling with the highest accuracy are being met by ECO.55-T or the ECO.55-TA

If there is one thing we have learned from our many years of experience in the world of magnetic drilling machines and annular cutters, it is the need for assurance. After all, you need to be sure the holes you drill are sized to the highest accuracy. Also, you need to be able to rely consistent performance of your tools: all day every day, over and over again.

We left no page unturned in researching and developing the properties of individual components and the way they relate to each other. The results of these efforts are implemented in 55-series: the most stable and fastest drilling magnetic base core drilling machine in its class.

As a bonus, this drilling machine actually informs you that you are drilling as efficiently as you possibly can!

Top features

LED load indicators and digital display with Smart Restart technology

Easily accessible carbon brushes
Auto shut-off carbon brushes

Oilbath gearbox
Maximum lubrication

Integrated slide and gearbox system
- High accuracy
- Sturdy design enlarges lifecycle
- Minimal vibration

Automatic drill functionality on the ECO.55-TA
(Only for annular cutters)

Z-profile guide rails
Maximum contact surface

Clear and easy controls
(With RPM dial and left / right switch)

LED load indicators

Machine is on.
No load

Start drilling.
Ideal working load

Acceptable overload

Close to overload.
Reduce the pressure on the handlebar.

A flashing red light with acoustic sound.
Overload limit is exceeded. The motor halts.*

* Smart Restart

When the motor is in overload, the Smart Restart torque control tecnnology ( ) ensures trouble-free continuation of your drilling job. When the feed pressure is reduced, the machines electronics recognize the reduction and the motor continues. This benefits your drilling process and time, and prevents excessive tool wear and failure.

ECO.55-T

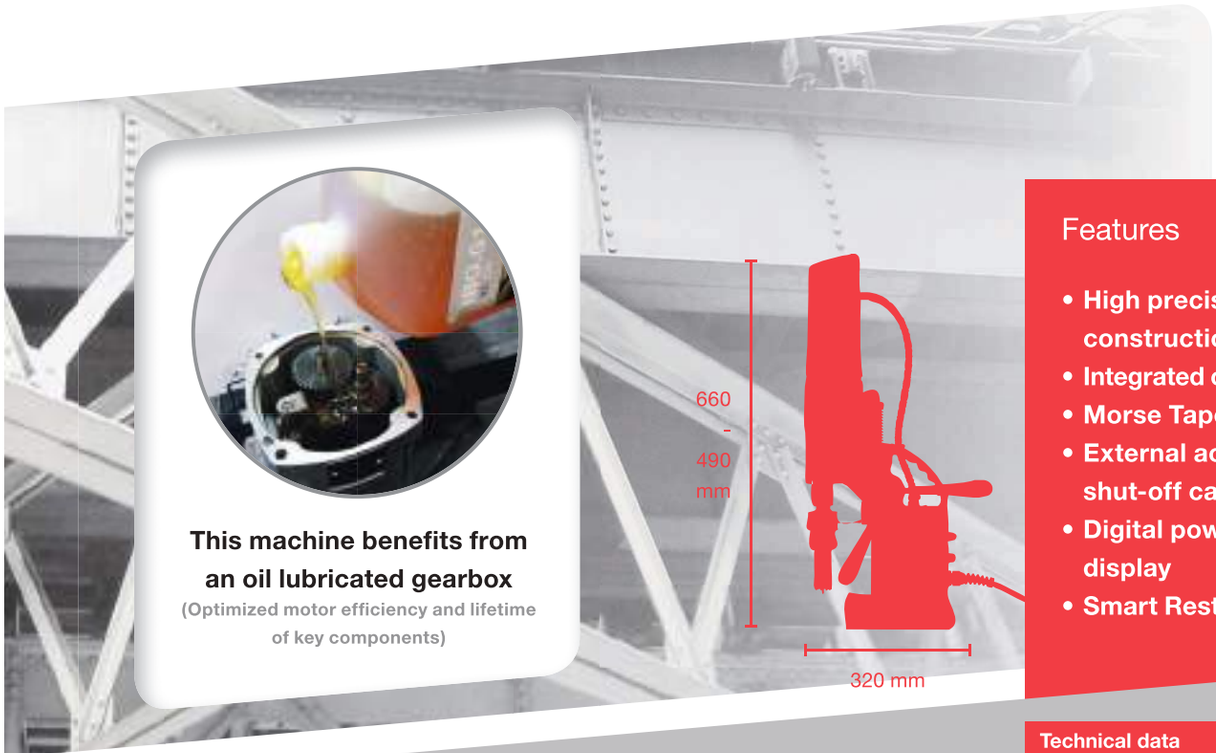
Watch our machines on:
www.youtube.com/euroboorbv

55mm | 23mm | 60mm | M20

13,75 | 1600 W | 1850 | 170mm

Our most versatile magdrill yet

The ECO.55 series provide benchmark performance with regards to stability, durability and sheer cutting performance. Coming forth from years of continuous improvement and dedicated development these machines are engineered to provide power in the most efficient way possible. In addition we have added various feed assistants to help you maximise the capabilities, including a first-ever digital readout with indicators.



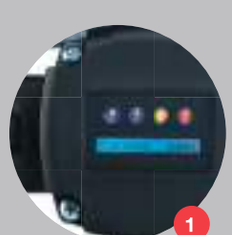
This machine benefits from an oil lubricated gearbox

(Optimized motor efficiency and lifetime of key components)

Features

- **High precision slide & rail construction**
- **Integrated oil bath gearbox**
- **Morse Taper 3 Spindle**
- **External access to auto shut-off carbon brushes**
- **Digital power read-out display**
- **Smart Restart technology**

Technical data	
Annular cutters	Ø 12 - 55 mm
Twist drills	Ø 1 - 23 mm
Countersinking	Ø up to 60 mm
Threading	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	1850 kg
Motor power	1600 W
Total power	1700 W
Speed (no load)	(I) 60 - 275 min^{-1}
	(II) 100 - 500 min^{-1}
Speed (load 1600W)	(I) 60 - 275 min^{-1}
	(II) 100 - 500 min^{-1}
Spindle (Weldon)	MT3 3/4" (19,05 mm)
Voltage	110V/220V - 50/60 Hz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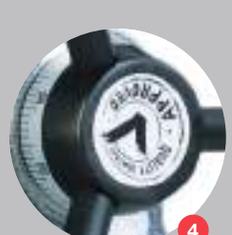
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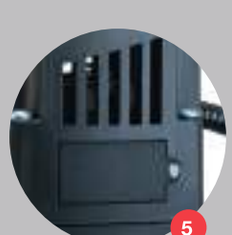
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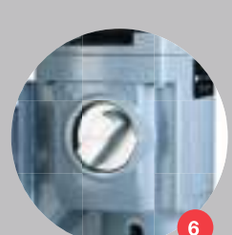
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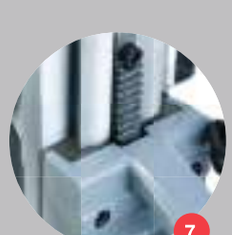
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8


9

1 Top digital display showing ideal power usage
2 Integrated slide and gearbox system
3 Ergonomic feed handles
4 High accuracy capstan hub
5 Easily accessible auto shut-off carbon brushes
6 2-speed oil lubricated gearbox
7 High precision height adjustment
8 Strong dual coil CNC machined magnet
9 Clear and easy controls

≤ Ø 55 mm	≤ Ø 23 mm	≤ Ø 60 mm	≤ M20	accessories
page: 66	page: 92	page: 91	page: 94	page: 55

ECO.55-TA

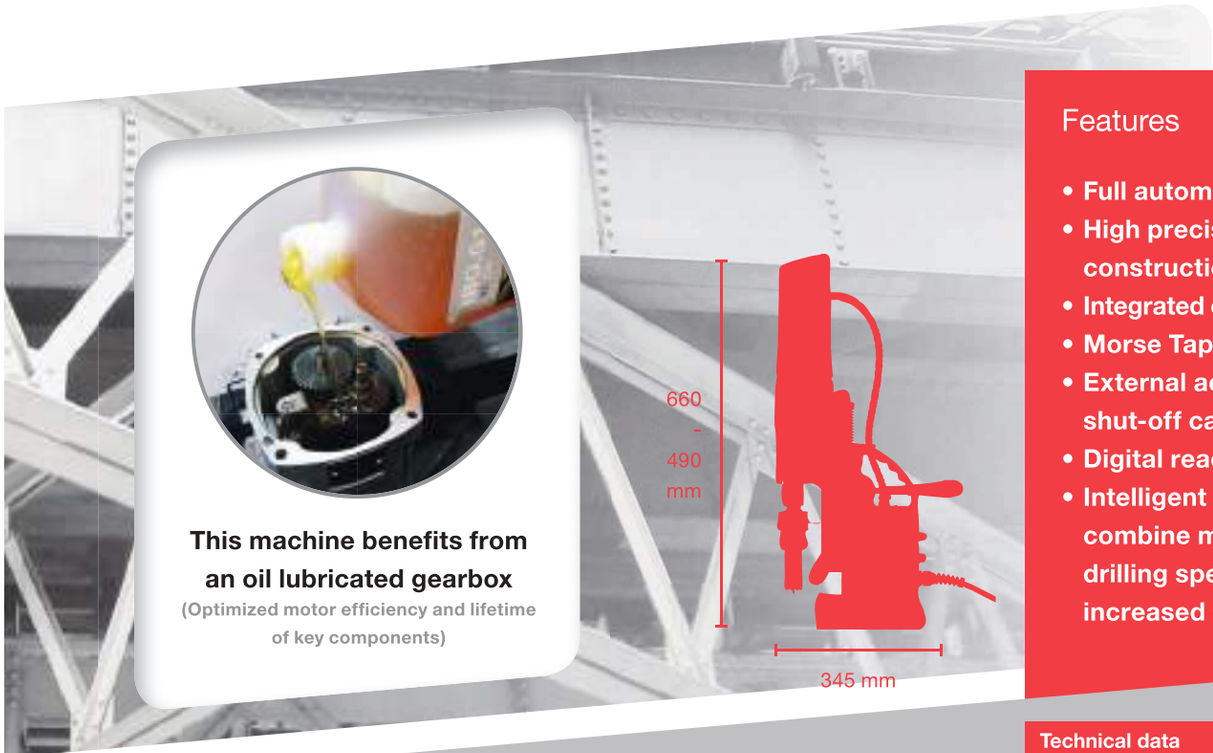
YouTube Watch our machines on:
www.youtube.com/euroboorbv

55mm | 23mm | 60mm | M20

23,5 | 1600 W | 1850 | 170mm

Efficient drilling to the second power. Featuring a newly designed self-feed system our automatic machines offer the top level of technology.
With highly intelligent electronics, the most stable construction in the market and functionalities such as "automatic return", these drilling machines will actually drill holes with the highest efficiency for you. There is no doubt our automatic drilling machines will help you increase productivity and cost savings like no other.

This machine is ideal for:
Intelligent automatic drilling with annular cutters with the option of (manual) reaming and tapping

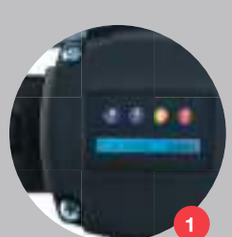


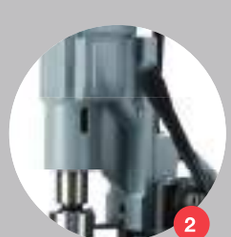
This machine benefits from an oil lubricated gearbox

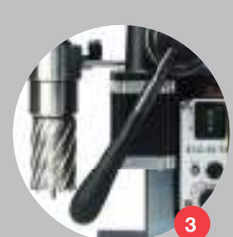
(Optimized motor efficiency and lifetime of key components)

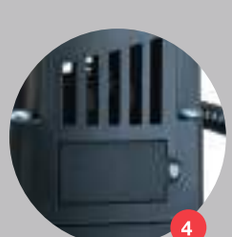
Features

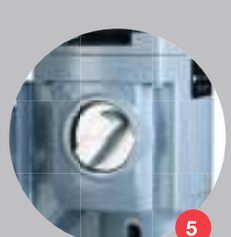
- **Full automatic drilling***
- **High precision slide & rail construction**
- **Integrated oil bath gearbox**
- **Morse Taper 3 Spindle**
- **External access to auto shut-off carbon brushes**
- **Digital read-out**
- **Intelligent electronics combine maximum drilling speed with increased cutter lifetime**

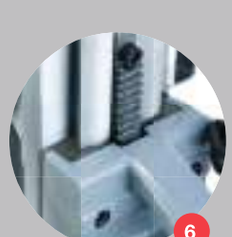


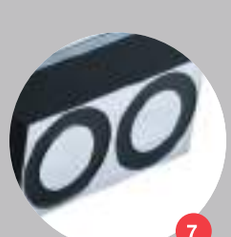












Technical data	
Annular cutters	Ø 12 - 55 mm (mild steel)
Twist drills	Ø 1 - 23 mm
Countersinking	Ø up to 60 mm
Threading	M3 - M20
Length	345 mm
Width	305 mm
Height	490 - 660 mm
Stroke	170 mm
Weight	23,5 kg
Magnet (l x w x h)	168 x 84 x 49 mm
Magnetic force	1850 kg
Motor power	1600 W
Total power	1700 W
Speed (no load)	(I) 60 - 275 min^{-1}
	(II) 100 - 500 min^{-1}
Speed (load 1600W)	(I) 60 - 275 min^{-1}
	(II) 100 - 500 min^{-1}
Spindle (Weldon)	MT3 3/4" (19,05 mm)
Voltage	110V/220V - 50/60 Hz

1 Top digital display showing ideal power usage
2 Integrated slide and gearbox system
3 Ergonomic feed handles
4 Easily accessible auto shut-off carbon brushes
5 2-speed oil lubricated gearbox
6 High precision height adjustment
7 Strong dual coil CNC machined magnet
8 Automatic drill functionality*

* For annular cutters

≤ Ø 55 mm	≤ Ø 23 mm	≤ Ø 60 mm	≤ M20	accessories
page: 66	page: 92	page: 91	page: 94	page: 55

ECO.60S

YouTube Watch our machines on:
www.youtube.com/euroboorbv

60mm | 23mm | 65mm

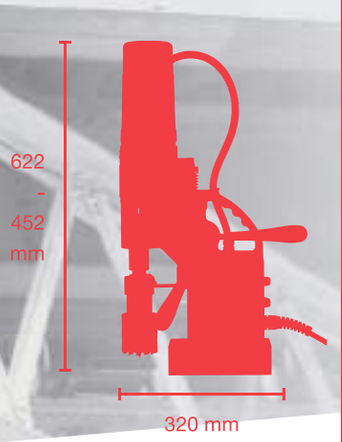
13 | 1600 W | 1850 | 170mm

Powerfull, light, fast & efficient

The ECO.60S has a powerful 1600W motor which allows the machine to drill holes up to Ø 60 mm with ease. The optimized slide makes the drilling task even easier and more precise. To even more fine-tune the efficiency for each type of drill and material you accurately control the speed with the electronic speed adjustment.

This machine benefits from an oil lubricated gearbox

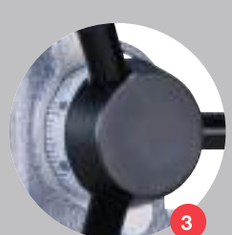
(Optimized motor efficiency and lifetime of key components)

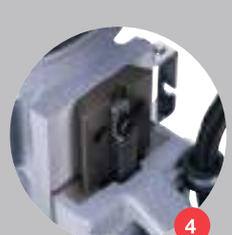


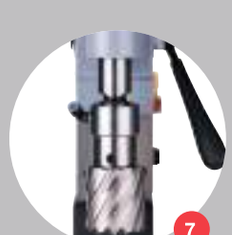
Features

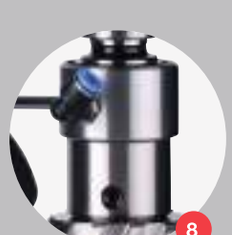
- **Evolved high precision slide & rail construction**
- **Integrated oil bath gearbox**
- **Morse Taper 3 spindle**
- **Practical long stroke**
- **2-speed gearbox with electronic speed adjustment**

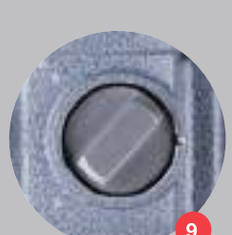
Technical data	
Annular cutters	Ø 12 - 60 mm
Twist drills	Ø 1 - 23 mm
Countersinking	Ø up to 65 mm
Length	320 mm
Width	200 mm
Height	452 - 622 mm
Stroke	170 mm
Weight	13 kg
Magnet (l x w x h)	168 x 84 x 49 mm
Magnetic force	1850 kg
Motor power	1600 W
Total power	1700 W
Speed (no load)	(I) 60-275 min^{-1}
	(II) 100-500 min^{-1}
Speed (load 1250 W)	(I) 60-275 min^{-1}
	(II) 100-500 min^{-1}
Spindle (Weldon)	MT3 3/4" (19,05 mm)
Voltage	110V/220V - 50/60 Hz











1 Integrated slide and gearbox system
2 Ergonomic feed handle
3 High accuracy capstan hub
4 High precision height adjustment
5 Strong dual coil CNC machined magnet
6 Clear and easy controls
7 Morse Taper 3 spindle
8 Integrated tool cooling
9 2-speed oil lubricated gearbox

≤ Ø 50 mm	≤ Ø 16 mm	≤ Ø 55 mm	accessories
page: 66	page: 92	page: 91	page: 55

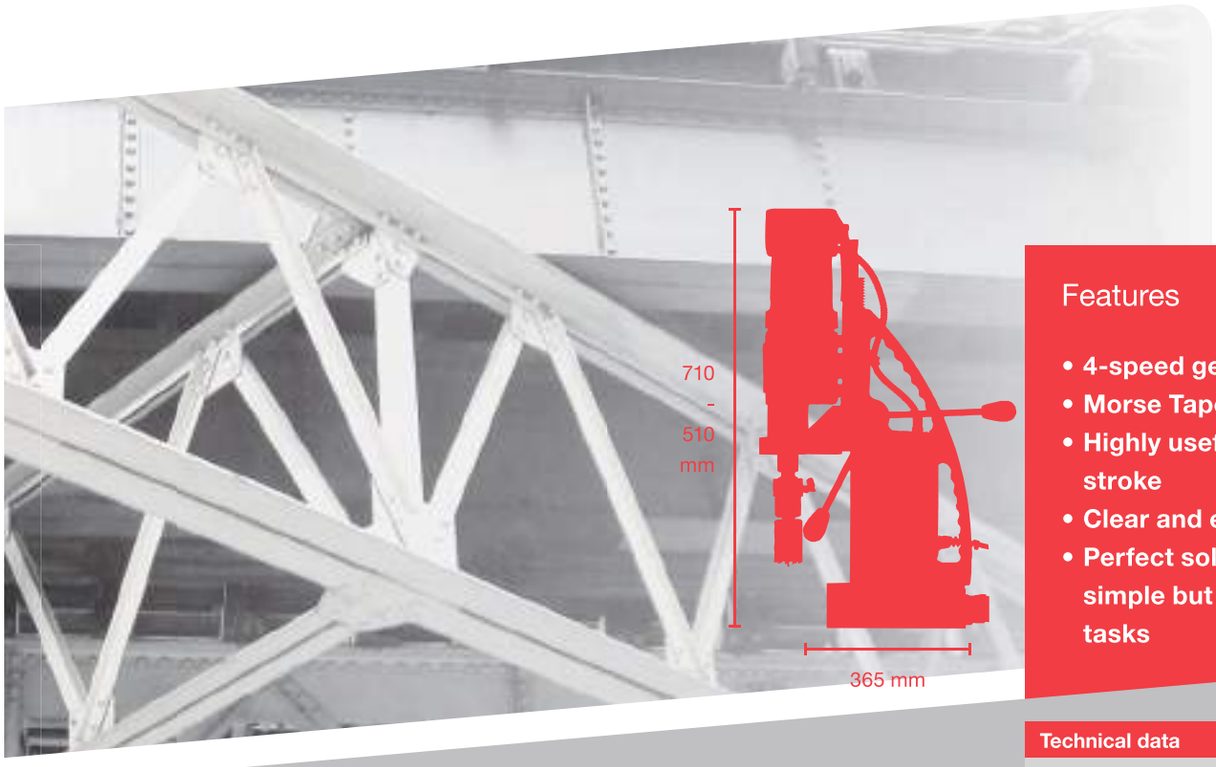
ECO.80/4

YouTube Watch our machines on:
www.youtube.com/euroboorbv

80mm | 31,75mm | 85mm

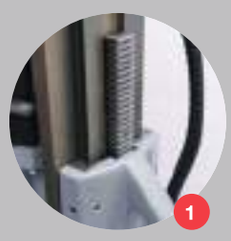
28 | 1900 W | 3000 | 260mm

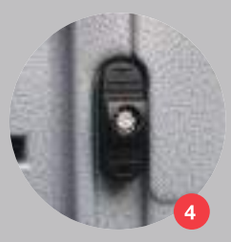
Thanks to the 4-speed gearbox this no-nonsense magnetic drilling machine is able to tackle twist drilling tasks just as easily as big diameter annular cutter challenges.

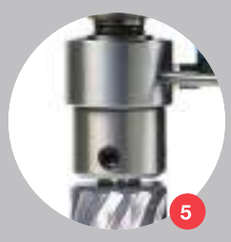


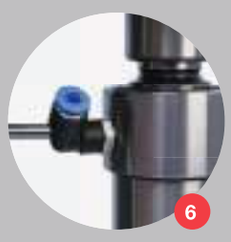
Features

- **4-speed gearbox**
- **Morse Taper 3 spindle**
- **Highly useful very long stroke**
- **Clear and easy controls**
- **Perfect solution for simple but heavy drilling tasks**







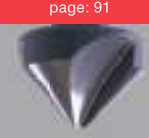


Technical data	
Annular cutters	Ø 12 - 80 mm
Twist drills	Ø 1 - 31,75 mm
Countersinking	Ø up to 85 mm
Length	365 mm
Width	310 mm
Height	510 - 710 mm
Stroke	260 mm
Weight	28 kg
Magnet (l x w x h)	220 x 110 x 64 mm
Magnetic force	3000 kg
Motor power	1900 W
Total power	2050 W
Speed (no load)	(I) 200 min^{-1}
	(II) 300 min^{-1}
	(III) 415 min^{-1}
	(IV) 650 min^{-1}
Speed (load 1700 W)	(I) 150 min^{-1}
	(II) 200 min^{-1}
	(III) 275 min^{-1}
	(IV) 400 min^{-1}
Spindle (Weldon)	MT3 3/4" (19,05 mm)*
Voltage	110V/220V - 50/60 Hz

≤ Ø 80 mm
page: 66

≤ Ø 31,75 mm
page: 92

≤ Ø 85 mm
page: 91



accessories
page: 55

1 Aluminium guide rails (L-profile)
2 Integrated mounting of gearbox to slide
3 Strong aluminium motor holder
4 4-speed mechanical gearing
5 Morse Taper 3 spindle
6 Integrated tool cooling

* Optional with 1 1/4" (31,75 mm)

ECO.100/4

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

100mm	31,75mm	105mm	M30
28	1900 W	3000	260mm

Hole after hole, day in day out

Stable and reliable all the way

Large capacity combined with a load of possibilities: unprecedented powerful motor, state-of-the-art mechanically and electronically adjustable speed and torque control and hugely stable construction enable you to tackle a wide variety of drilling tasks.

Features

- **4-speed gearbox**
- **Morse Taper 3 spindle**
- **Highly useful very long stroke**
- **Left & right rotating**
- **Electronically adjustable rotating speed**
- **Electronically adjustable torque**

Technical data	
Annular cutters	Ø 12 - 100 mm
Twist drills	Ø 1 - 31,75 mm
Countersinking	Ø up to 105 mm
Threading	M3 - M30
Length	365 mm
Width	310 mm
Height	510 - 710 mm
Stroke	260 mm
Weight	28 kg
Magnet (l x w x h)	220 x 110 x 64 mm
Magnetic force	3000 kg
Motor power	1900 W
Total power	2050 W
Speed (no load)	(I) 42-110 min^{-1}
	(II) 65-190 min^{-1}
	(III) 140-400 min^{-1}
	(IV) 220-620 min^{-1}
Speed (load 1900 W)	(I) 85 min^{-1}
	(II) 152 min^{-1}
	(III) 270 min^{-1}
	(IV) 480 min^{-1}
Spindle (Weldon)	MT3 3/4" (19,05 mm)
Voltage	110V/220V - 50/60 Hz

1 Aluminium guide rails (L-profile)
2 Integrated mounting of gearbox to slide
3 Strong aluminium motor holder
4 4-speed mechanical gearing
5 Morse Taper 3 spindle
6 Integrated tool cooling
7 Torque control on motor housing
8 Right / left rotating functionality
9 Electronic speed adjustment

* Optional with 1 1/4" (31,75 mm)

≤ Ø 100 mm	≤ Ø 31,75 mm	≤ Ø 105 mm	≤ M30	accessories
page: 66	page: 92	page: 91	page: 94	page: 55

ECO.100/4 D

YouTube Watch our machines on:
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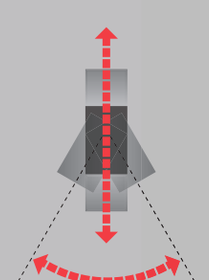
100mm | 31,75mm | 105mm | M30

28 kg | 1900 W | 3000 kg | 260mm



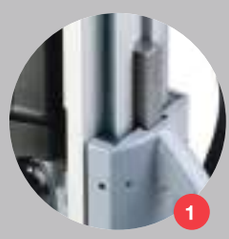
The magnet rotates 30° both ways and slides 15-20 mm forwards and backwards.

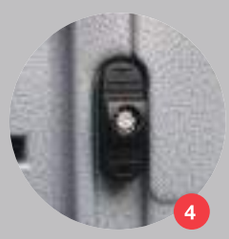
Large capacity combined with a load of possibilities: unprecedented powerful motor, state-of-the-art mechanically and electronically adjustable speed and torque control, hugely stable construction and a rotating base enable you to tackle the widest variety of drilling tasks.

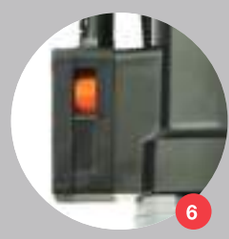
Features

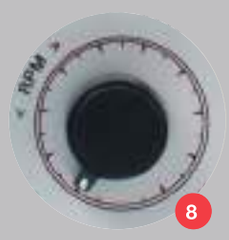
- **4-speed gearbox**
- **Morse Taper 3 spindle**
- **Highly useful very long stroke**
- **Left & right rotating**
- **Electronically adjustable rotating speed**
- **Electronically adjustable torque**
- **Swivel base**

Technical data	
Annular cutters	Ø 12 - 100 mm
Twist drills	Ø 1 - 31,75 mm
Countersinking	Ø up to 105 mm
Threading	M3 - M30
Length	365 mm
Width	310 mm
Height	515 - 715 mm
Stroke	260 mm
Weight	28 kg
Magnet (l x w x h)	220 x 110 x 64 mm
Magnetic force	3000 kg
Motor power	1900 W
Total power	2050 W
Speed (no load)	(I) 42-110 min^{-1}
	(II) 65-190 min^{-1}
	(III) 140-400 min^{-1}
	(IV) 220-620 min^{-1}
Speed (load 1900 W)	(I) 85 min^{-1}
	(II) 152 min^{-1}
	(III) 270 min^{-1}
	(IV) 480 min^{-1}
Spindle (Weldon)	MT3 19,05 mm
Voltage	110V/220V - 50/60 Hz









1 Aluminium guide rails (L-profile)
2 Integrated mounting of gearbox to slide
3 Strong aluminium motor holder
4 4-speed mechanical gearing
5 MT 3 spindle with integrated cooling
6 Torque control on motor housing
7 Right / left rotating functionality
8 Electronic speed adjustment
9 Precise positioning swivel base

* Optional with 1 1/4" (31,75 mm)

≤ Ø 100 mm	≤ Ø 31,75 mm	≤ Ø 105 mm	≤ M30	accessories
page: 66	page: 92	page: 91	page: 94	page: 55

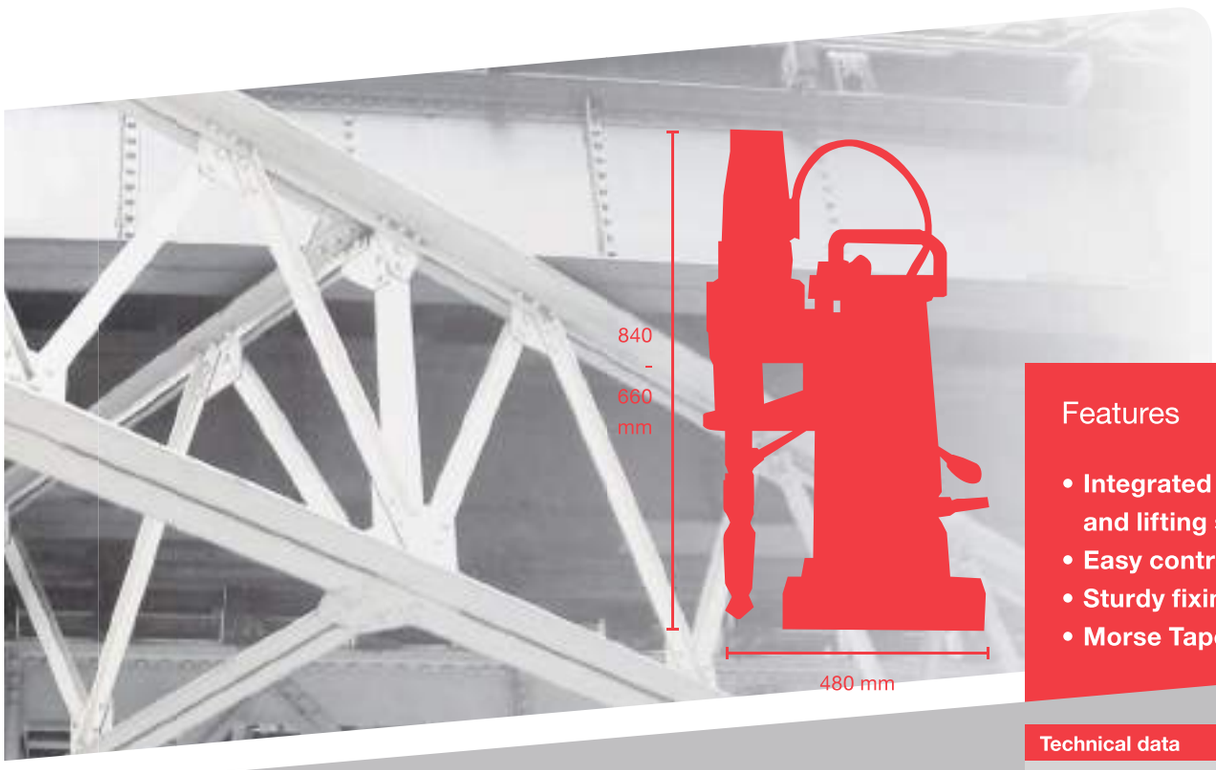
ECO.200

YouTube Watch our machines on:
www.youtube.com/euroboorbv

200mm	44mm	205mm	
53	3600 W	3900	180mm

This beastly machine is engineered with the focus on high demand drilling tasks while remaining portability. The ultimate combination of 3600W motor unit, 3900kg magnet and MT4 Spindle makes sure it will help you drill holes up to 200mm diameter with unimaginable precision and ease. This exceptional machine is the solution for any challenging job on site.

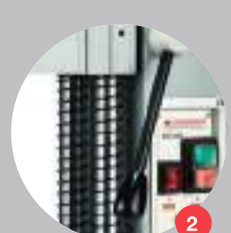
This machine is ideal for:
Large diameter drilling tasks

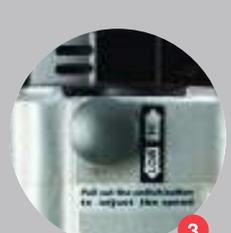


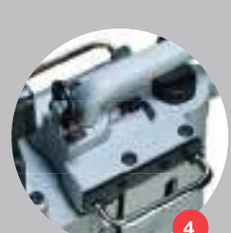
Features

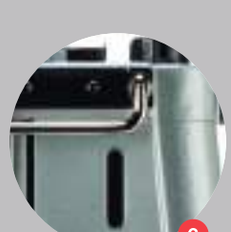
- **Integrated safety strap and lifting shackle**
- **Easy controls**
- **Sturdy fixings**
- **Morse Taper 4 spindle**

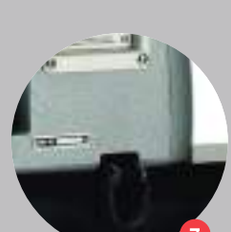
Technical data	
Annular cutters	Ø 12 - 200 mm
Twist drills	Ø up to 44 mm
Countersinking	Ø up to 205 mm
Length	480 mm
Width	260 mm
Height	660 - 840 mm
Stroke	180 mm
Weight	53 kg
Magnet (l x w)	330 x 110 mm x 63
Magnetic force	3900 kg
Motor power	3600 W
Total power	3800 W
Speed (no load)	(I) 410 min^{-1}
	(II) 170 min^{-1}
Speed (load 3600W)	(I) 150 min^{-1}
	(II) 70 min^{-1}
Spindle (Weldon)	MT4 1 1/4" (31,75 mm)
Voltage	110V/220V - 50/60 Hz











1 Integrated tool cooling fluid tank
2 High precision tubular rail balancer system, progressive feed assist
3 Extremely strong 2-speed gearing
4 Fold away carrying handles & lifting shackle
5 Super long stroke especially suitable for long cutters and twist drills
6 Cooling fluid level indication
7 Safety strap
8 MT4 spindle

≤ Ø 200 mm	≤ Ø 44 mm	≤ Ø 205 mm	accessories
page: 66	page: 92	page: 91	page: 55

F16

YouTube Watch our machines on:
www.youtube.com/euroboorbv

16mm

35mm

kg 7,5

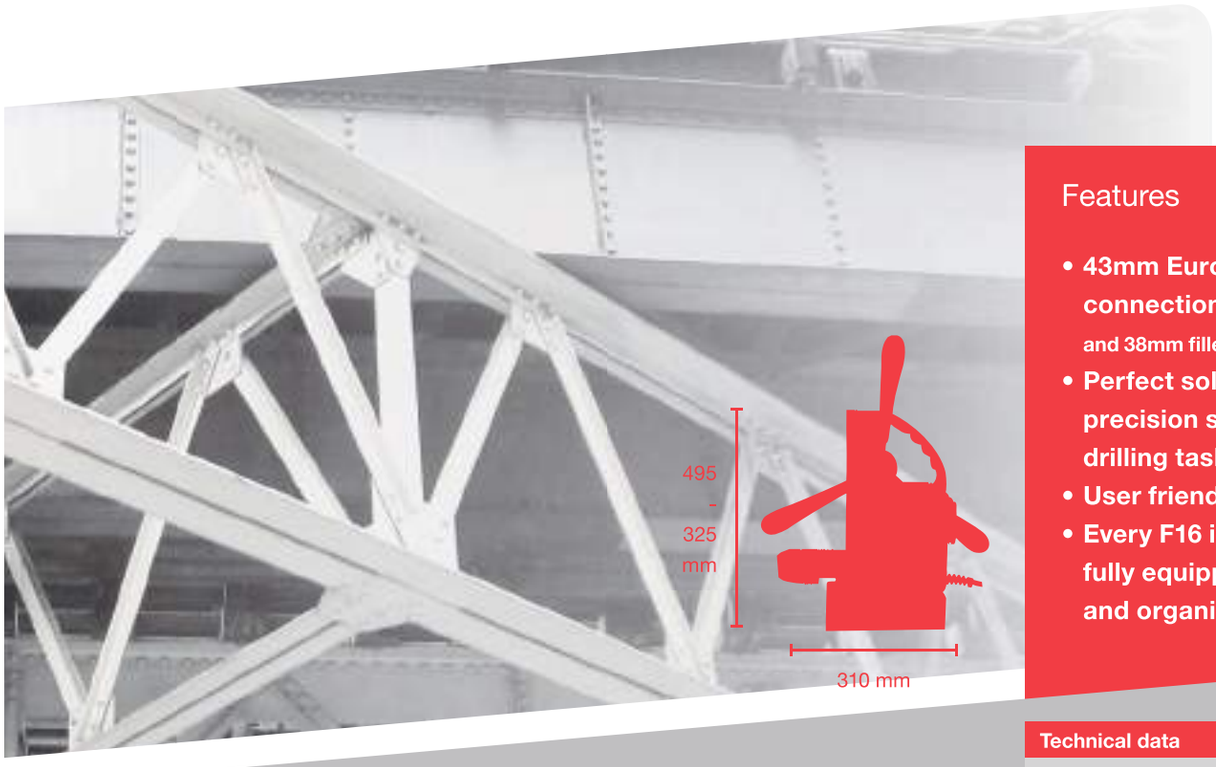
kg 1200

170mm

Suitable for your favorite hand drilling machine

Flexible universal drill stand with plug connection for hand drills with twistdrill capacity up to 16 mm. Thanks to the plug connection the operator is offered central switch operation. The F16 enables you to drill, tap, ream and countersink perfectly straight with high stabillity. The high power magnet force of 1200kg offers a secure grip hold during your operation.

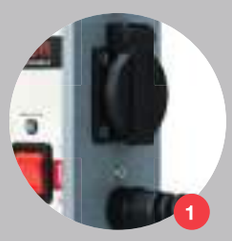
Mounted hand drilling machine
not included

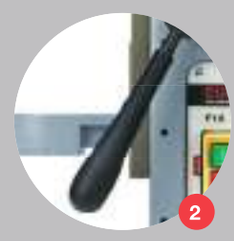


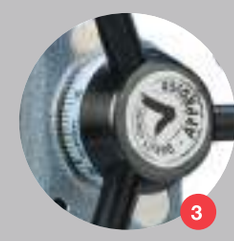
Features

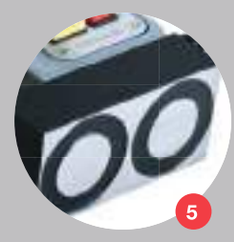
- **43mm Euro collar connection (optional 33mm and 38mm filler rings included)**
- **Perfect solution for high precision small diameter drilling tasks**
- **User friendly controls**
- **Every F16 is delivered fully equipped in a sturdy and organized suitcase**

Technical data	
Twist drills	up to Ø 16 mm
Countersink	up to Ø 35 mm
Length	310 mm
Width	170 mm
Height	325 - 495 mm
Stroke	170 mm
Weight	13,6 kg
Magnet (l x w x h)	160 x 80 x 36 mm
Magnetic force	1200 kg
Voltage	110V/220V - 50/60 Hz





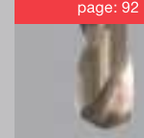




1 Safe and easy rear mounted socket
2 Ergonomic feed handle
3 High accuracy capstan hub
4 High precision height adjustment: Low maintenance, minimal wear correction
5 Strong dual coil CNC machined magnet
6 Clear and easy controls

Example of application

≤ Ø 16	≤ Ø 35
page: 92	page: 91



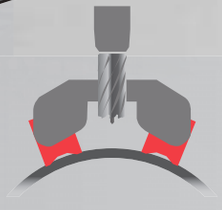
Technical specifications based on structural and magnet holding capacity.

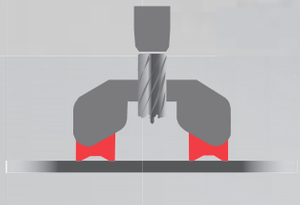
Two of a kind

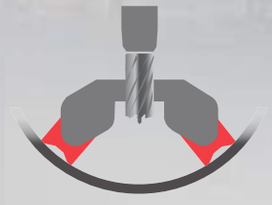
Unique design, unique usage

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

Meet the TUBE-serie, a new generation magnetic drilling machines specifically designed for drilling on curved material. By joining forces with Magswitch, technology leader in the field of shallow-field magnetism, we have been able to develop a concept that instantly addresses, and drastically improves work efficiency in the pipe industry. Not only will this magnetic drilling machine help you save time in setting up the tool. 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 require no electric power and will not release in the event of a power failure.

Light

TUBE.30 - 11kg
TUBE.55-T - 17,6kg

Strong

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

Easy to use

Automatically conform to any pipe 75 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

30mm | 13mm | 35mm

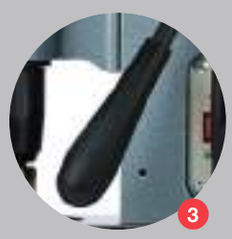
11 kg | 900 W | 532 kg | 90mm

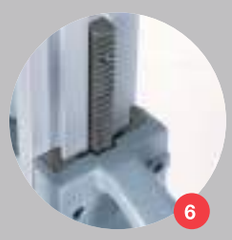
The TUBE.30 with patented shallow-field magnetic technology that offers incredibly strong grip, even on steel as thin as 3mm. Also, the patent-pending base automatically pivots to conform to any pipe Ø 75mm or larger. The magnets do not require electricity, so all the power goes to the motor. This also offers increased safety as the tool will not release from the target material in the event of an unintentional power loss. With its 900 W power the ECO.30 cuts holes between ø 12 and 30 mm easily and quickly.

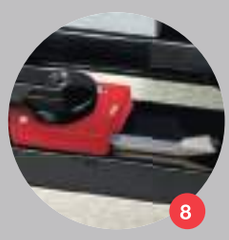
Features

- **No electricity required for magnetic base**
- **Unique flexible features for pipes of various sizes**
- **No special attachments needed for flat or curved surfaces**
- **Highly stable wide stance**
- **Magnets allow the machine to swing away for hole inspection or debris removal while keeping position**
- **Easy to handle**
- **Direct spindle drive**

Technical data	
Annular cutters	Ø 12 - 30 mm
Twist drills*	Ø 13 mm (Weldon)
Countersinking	Ø up to 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
Motor power	900 W
Total power	950 W
Speed (no load)	775 min^{-1}
Speed (load 900 W)	400 min^{-1}
Spindle (Weldon)	3/4" (19,05 mm)
Voltage	110V/220V - 50/60 Hz







1 Powerful hold on a wide range of steel thicknesses, curved and flat
2 Integrated slide and gearbox
3 Ergonomic feed handle
4 High accuracy capstan hub
5 Ergonomic anti fatigue grip
6 High precision height adjustment: Low maintenance, minimal wear correction
7 Lubrication botlle with overpressure system
8 Safe. No loss of magnetic grip due to unintentional power loss

* With Weldon shank twist drills. See page 95.

≤ Ø 30 mm	≤ Ø 13 mm*	≤ Ø 35 mm	accessories
page: 66	page: 91	page: 91	page: 55

TUBE.55-T

Intertek Intertek Intertek

55mm 23mm 60mm M20

17,6 1600 W 860 170mm

Euroboor ECO power

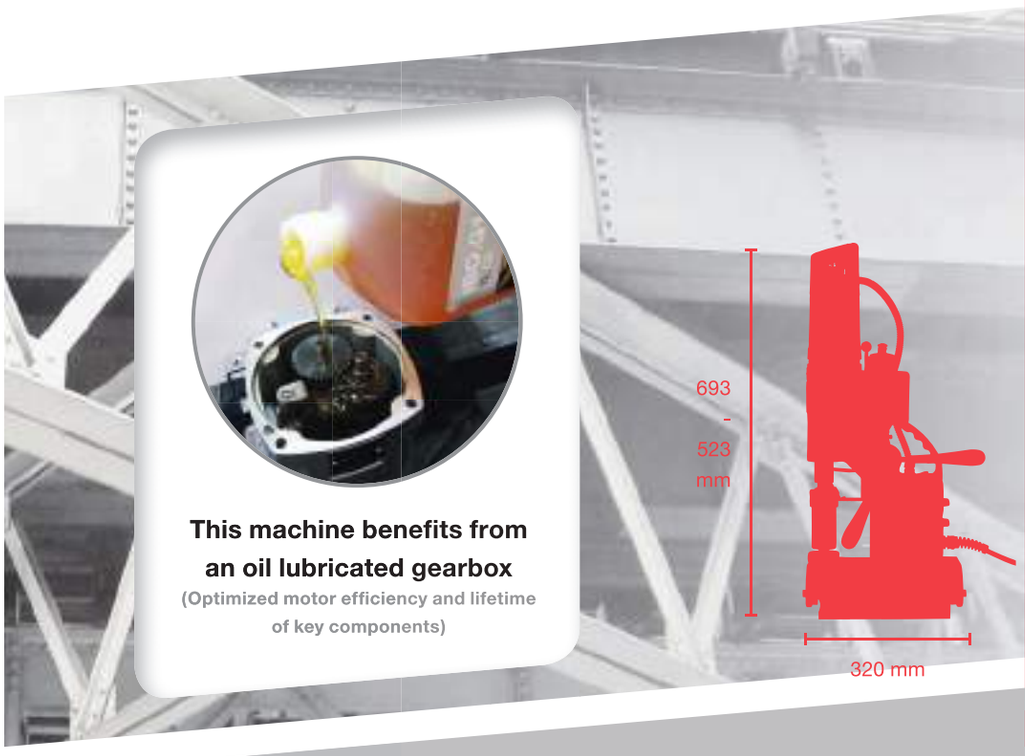
YouTube Watch the machines on: www.youtube.com/euroboorbv

WHAT IS GYRO-TEC

GYRO-TEC is powered by a state of the art gyroscopic sensor, triggering automatic motor shut-off when detecting displacement in any direction.

It detects:
- Sudden loss of adhesion
- Excessive vibration
- Sudden displacement of the workpiece

The magnetic base offers particularly strong grip even on steel as thin as 3mm. Makes it possible to place the machine on tube material with a diameter of 80 mm and larger without any effort because of its rotating magnets. It also does not need any electricity, so that available amperage can be used entirely for the motor. In addition, this offers extra safety: in case of accidental loss of voltage, the machine will not come loose from the workpiece. And if it does the GYRO-TEC safety features triggers automatic motor shut-off when detecting displacement in any direction.



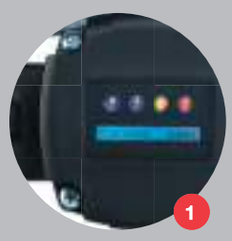
This machine benefits from an oil lubricated gearbox

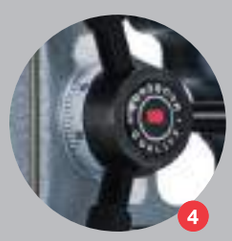
(Optimized motor efficiency and lifetime of key components)

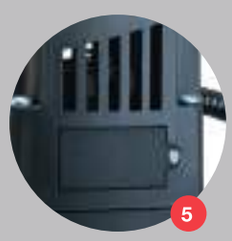
Some features

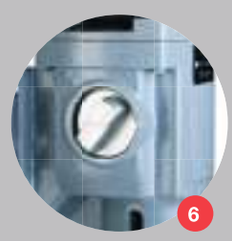
- **No electricity required for magnetic base**
- **Magnets allow the machine to swing away for hole inspection or debris removal while keeping position**
- **Integrated oil bath gearbox**
- **External access to auto shut-off carbon brushes**
- **Digital power read-out display & Smart Restart technology**

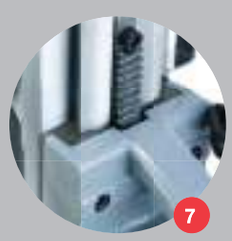
Technical data	
Annular cutters	Ø 12 - 55 mm
Twist drills	Ø 1 - 23 mm
Countersinking	Ø up to 60 mm
Threading	M3 - M20
Length	320 mm
Width	210 mm
Height	523 - 693 mm
Stroke	170 mm
Weight	17,6 kg
Magnet (l x w x h)	266 x 239 x 82 mm
Magnetic force	860 kg
Motor power	1600 W
Total power	1700 W
Speed (no load)	(I) 185 - 530 min^{-1}
	(II) 250 - 460 min^{-1}
Speed (load 1600W)	(I) 185 - 530 min^{-1}
	(II) 250 - 460 min^{-1}
Spindle (Weldon)	MT3 3/4" (19,05 mm)
Voltage	110V/220V - 50/60 Hz

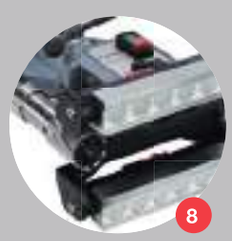








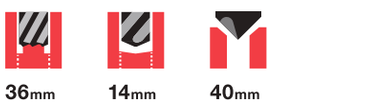


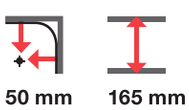


1 Top digital display showing ideal power usage
2 Integrated slide and gearbox system
3 Ergonomic feed handles
4 High accuracy capstan hub
5 Easily accessible auto shut-off carbon brushes
6 2-speed oil lubricated gearbox
7 High precision height adjustment
8 Strong dual permanentmagnets
9 Clear and easy controls

≤ Ø 55 mm	≤ Ø 23 mm	≤ Ø 60 mm	≤ M20	accessories
page: 66	page: 92	page: 91	page: 94	page: 55

ECO.36

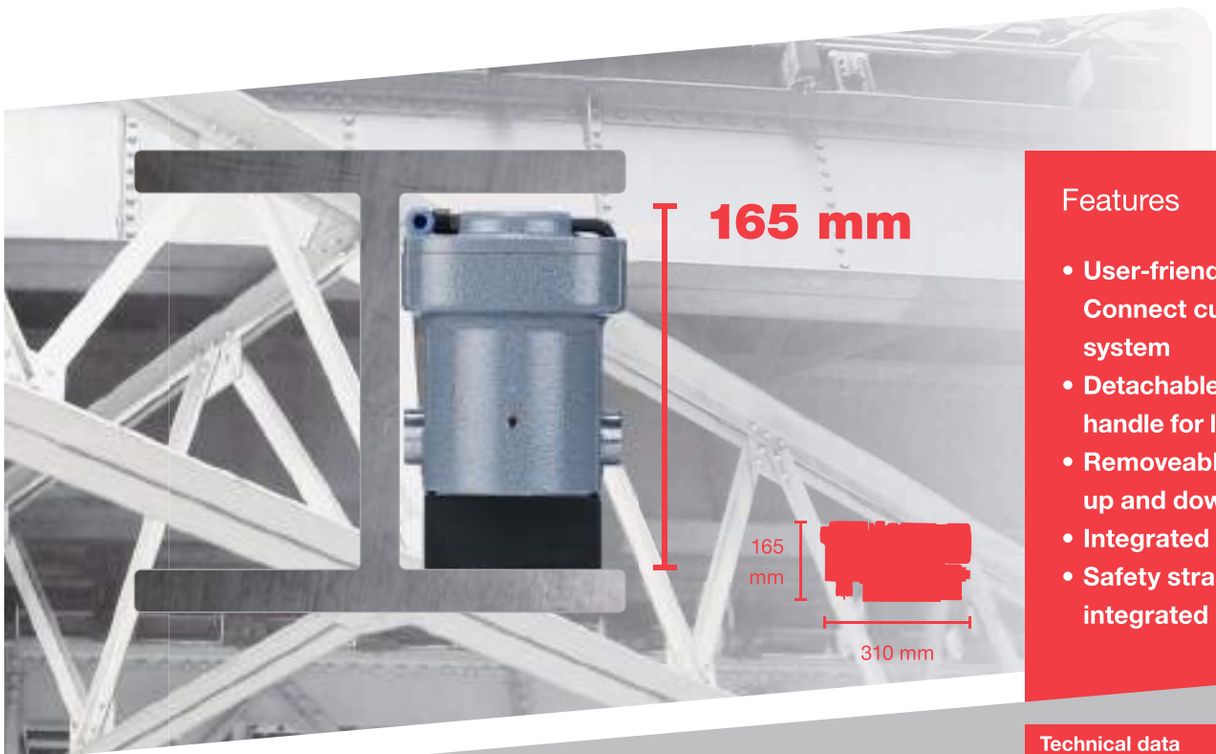




YouTube Watch the machines on:
www.youtube.com/euroboorbv

Lowest machine on the market

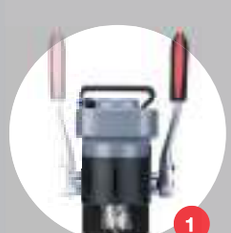
Very compact magnetic drilling machine, only 16.5 cm height. Perfect for drilling in spaces with limited height such as H-beams, steel structures, plates, profiles, etc.
The machine is equipped with a powerful magnet and easy release / lock feed handle for both left and right operation.

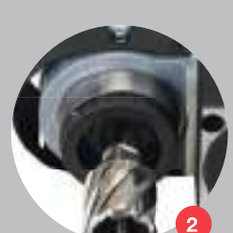


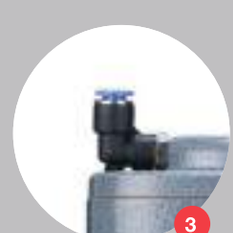
Features

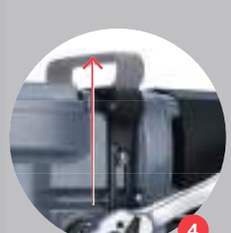
- **User-friendly Quick-Connect cutter fitment system**
- **Detachable ratchet feed handle for left and right use**
- **Removeable and slidable up and down safety guard**
- **Integrated motor cable**
- **Safety strap attachment integrated**

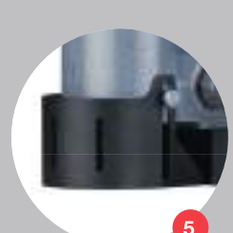
Technical data		
Annular cutters		Ø 12 - 36 mm
Twist drills*		Ø 14 mm (Weldon)
Countersinking		Ø up to 40 mm
In-corner drilling	0°	50 mm center to edge
	90°	53 mm center to edge
	45°	60 mm center to edge
Length		310 mm
Width		135 mm
Height		165 mm
Stroke		40 mm
Weight		10,3 kg
Magnet (l x w x h)		165 x 80 mm
Magnetic force		1200 kg
Motor power		1050 W
Total power		1100 W
Speed (no load)		700 min^{-1}
Speed (load 1100 W)		400 min^{-1}
Spindle (Weldon)		3/4" (19,05 mm)
Voltage		110V/220V - 50/60 Hz

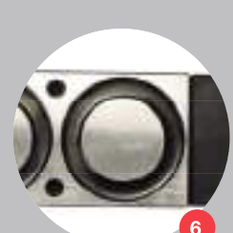


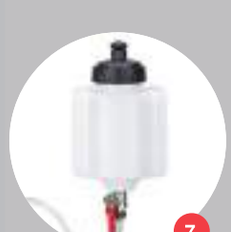


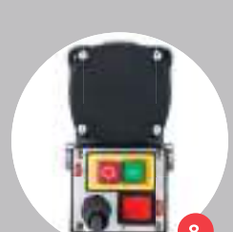












1 Left and right mount ability of feed handle
2 User friendly QuickConnect system
3 Integrated tool cooling
4 carrying handle
5 Removeable and slidable up and down safety guard
6 Strong dual coil CNC machined magnet
7 Magnet attachment on lubrication bottle
8 Clear and easy controls

* With Weldon shank twist drills. See page 95.

≤ Ø 36 mm	≤ Ø 14 mm*	≤ Ø 40 mm	accessories
page: 66	page: 91	page: 91	page: 55

EBM.360

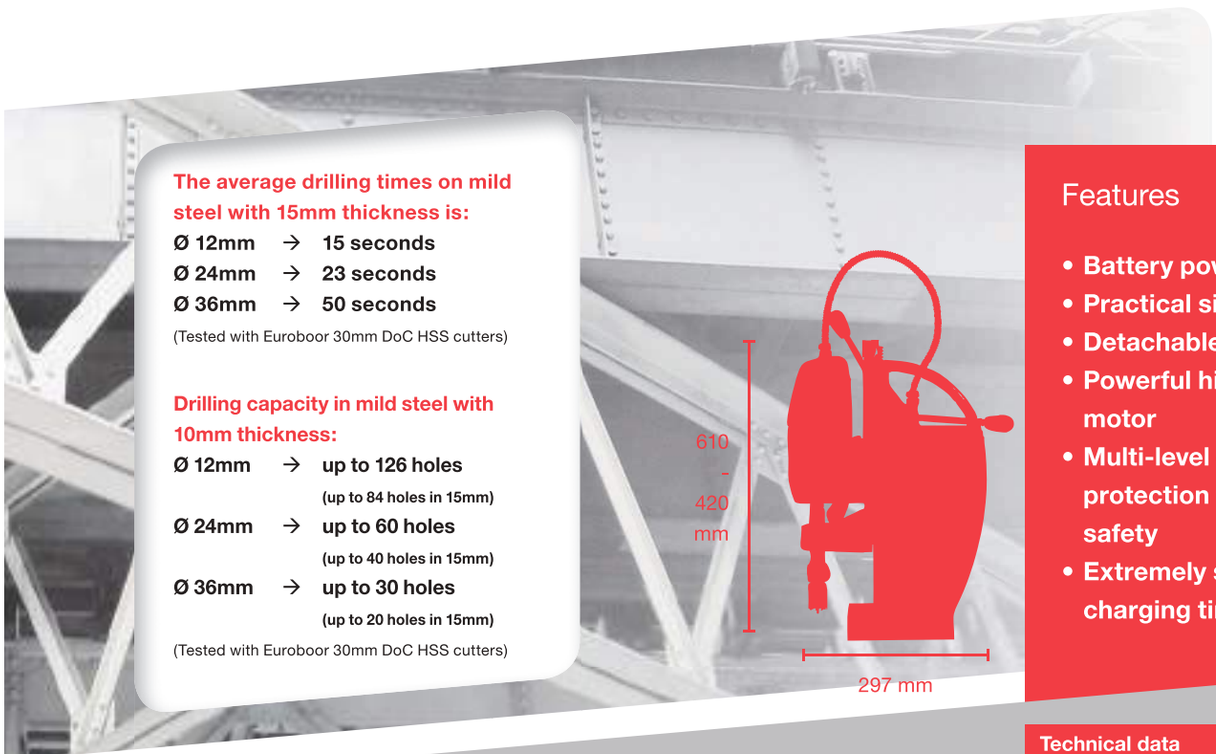
YouTube Watch our machines on:
www.youtube.com/euroboorbv

36mm | 13mm | 40mm

15 kg | 1300 W DC | 1700 kg | 230mm

From 0% to 75% battery charge takes less than 20 minutes!

Hardworking and smart. With battery life LED-indicators guaranteeing your safety. The unique EBM.360 rapidly slices through material up to 50 mm thick and is loaded with useful and award winning features. The powerful lineair motor is designed to squeeze every ounce of performance out of the strong Lithium-Ion power pack.



The average drilling times on mild steel with 15mm thickness is:

Ø 12mm → 15 seconds
Ø 24mm → 23 seconds
Ø 36mm → 50 seconds

(Tested with Euroboor 30mm DoC HSS cutters)

Drilling capacity in mild steel with 10mm thickness:

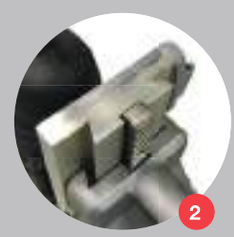
Ø 12mm → up to 126 holes
(up to 84 holes in 15mm)
Ø 24mm → up to 60 holes
(up to 40 holes in 15mm)
Ø 36mm → up to 30 holes
(up to 20 holes in 15mm)

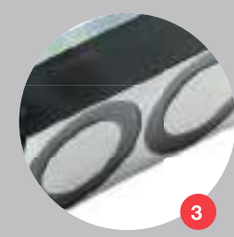
(Tested with Euroboor 30mm DoC HSS cutters)

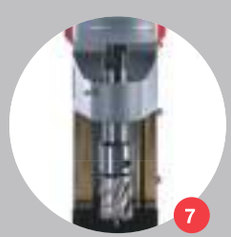
Features

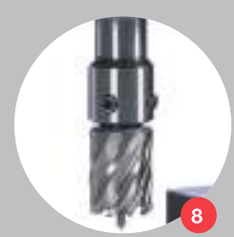
- **Battery powered**
- **Practical sizing**
- **Detachable spindle**
- **Powerful high torque motor**
- **Multi-level electronic protection for optimal safety**
- **Extremely short battery charging time**

Technical data	
Annular cutters	Ø 12 - 36 mm
Twist drills	Ø 1 - 13 mm
Countersinking	Ø up to 40 mm
Length	297 mm
Width	112 mm
Height	420 - 610 mm
Stroke	230 mm
Weight	15 kg
Magnet (l x w x h)	160 x 80 x 42 mm
Magnetic force	1700 kg
Motor power	1300 W DC
Total power	1350 W DC
Speed (no load)	506 min^{-1}
Speed (load 1300 W)	375 min^{-1}
Spindle (Weldon)	3/4" (19,05 mm)
Power source	37V Battery 7.6Ah li-ion









1 Powerful battery
2 High precision height adjustment: Low maintenance, minimal wear correction
3 Strong dual coil CNC machined magnet
4 Powerful DC motor
5 Clear and easy controls
6 Ergonomic feed handle
7 Detachable spindle
8 Integrated tool cooling
9 Battery charger

≤ Ø 36 mm	≤ Ø 13 mm	≤ Ø 40 mm	accessories
page: 66	page: 92	page: 91	page: 55

AIR.52/3

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

See icon guide on cover flap

52mm | 13mm | 60mm

13 kg

min. 6.3bar
(90 PSI)

1000 kg

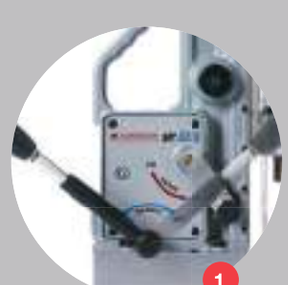
55mm

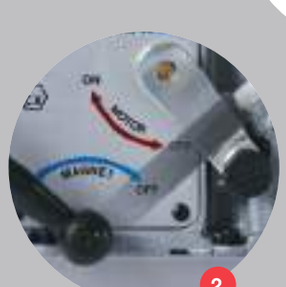
This air machine is specifically designed for drilling tasks where the use of electric power tools is out of the question. With the powerful air motor and strong permanent magnet this special drilling machine meets the ATEX regulations, and can be used in workplaces with danger of explosion, such as the offshore, mining, oil and gas industries.

Features

- **Air-powered motor system**
- **Automatic cooling system**
- **Failsafe permanent magnet system**
- **Spark-free (explosion-safe) motor**
- **Anti-static construction**
- **Safety interlock**
- **Low noise**

Technical data	
Annular cutters	Ø 12 - 52 mm
Twist drills	Ø 1 - 13 mm
Countersinking	Ø up to 60 mm
Length	340 mm
Width	250 mm
Height	560 mm
Stroke	120 mm
Weight	13 kg
Magnet (l x w)	220 x 75 x 48 mm
Magnetic force	1000 kg
Speed (no load)	400 min^{-1}
Spindle (Weldon)	3/4" (19,05 mm)
Power source	Air, min. 6,3 bar (90 PSI) 0,9 m^3/min 3/8" BSP Female thread





1 Failsafe permanent magneet (on/off handles)
2 Permanent magneet
3 Safety cover

≤ Ø 52 mm	≤ Ø 13 mm	≤ Ø 60 mm	accessories
page: 66	page: 92	page: 91	page: 55

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.

Practical solutions for comfort at work

After more than 38 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.

Weldon setup overview

Absolute connection Optional connection

Extention spindle

MC2.X2T265

Extension MT2

page 55

Adapter

IBK.MC3-MC2

Reduction MT3 → MT2

page 55

Extention spindle

MC3X3T265

Extension MT3

page 55

Adapter

IBK.MC4-MC3

Reduction MT4 → MT3

page 55

Arbor MT2 auto-coolant

IMC.20

Arbor MT2
19,05mm Weldon

page 56

Arbor MT2 Quickconnect

IMC.2Q

Arbor MT3 auto-coolant

IMC.30/19-N

Arbor MT3
19,05mm Weldon

page 56

Arbor MT3 Quickconnect

IMC.3Q

Arbor MT3 auto-coolant

IMC.30/32-N

Arbor MT3 / MT4
31,75mm Weldon

page 56

Extension

page 55

19,05mm Weldon
extention bits

IBK.25

IBK.50

IBK.75

IBK.100

Reduction to 19,05 Weldon

page 55

Adapter 31,75mm to
19.05mm Weldon

IBK.3219

Annular cutters

- DIA 12mm - 60mm
- DoC 30mm - 200mm

page 66

Weldon twistdrills

- DIA 6mm - 14mm
- DoC 30mm - 55mm

page 91

Countersink

- up to 50mm DIA

page 91

Tapping tools

- DIA 8mm - 30mm

page 94

Annular cutters

- DIA 61mm - 200mm
- DoC 30mm - 200mm

page 66

1/2UNF-MC2
1/2UNF-MC3

Drill chuck connection
page 57

1/2" x 20 UNF
IBK.15

Adapter spindle
page 56

Arbor MT2 auto-coolant
IMC.20

▶ Arbor MT2 Quickconnect
IMC.2Q

Arbor MT2
page 56

Arbor MT3 auto-coolant
IMC.30/19-N

▶ Arbor MT3 Quickconnect
IMC.3Q

Arbor MT3
page 56

B16-MC2
B16-MC3

Drill chuck connection
page 57

Connection 19,05mm Weldon
page 55

Adapter 19,05mm Weldon to 1/2"x 20 UNF
IBK.14

Adapter 19,05mm Weldon to B16
IBK.16-14

1/2"x 20 UNF
IBK.13

1/2"x 20 UNF Quick connect
IBQ.13

1/2"x 20 UNF Quick connect with lock
IBQ.13

Drill chuck 1/2"x 20 UNF
page 57

B16
IBK.13-B16

B16
IBK.16

B16 Quick connect
IBQ.16

Drill chuck B16
page 57

Twist drills
- DIA 1mm - 13mm

page 92

Step drills
- Set

page 92

Tapping
- With drill chuck up to 6mm

page 95

Adapters

Pipe Adapter kit

- Suitable for tubing diameter of Ø 35 up to 550 mm
- Suitable for all Euroboor drilling machines (except ECO.35-F, ECO.200 & ECO-TUBE series)
- Suitable for almost all drilling machines in the market (for universal use)

Sizing PAK.250
Lenght: 286mm
Width: 268mm
Height: 96mm

Sizing inside plate
Lenght: 265mm
Width: 112mm
Height: 14mm

Weight
12,5 kg

PAK.250

Vacuum Adapter kit ø 300 mm

including pump

- Sizing: Ø 300 mm

VAC.810

Vacuum Adapter kit oval

(clamp system with 2 suction pads)
including pump

- Sizing: 450 x 250 mm

VAC.820

Components also available seperatly

Vacuum pump

- Power: 1/2 hp
- Inlet port: 1/4" flare & 3/8" flare
- Ultimate vacuum: $3x10^{-1}$ Pa, 25 microns
- Flow rate: 5 CFM, 142 l/min (110V)
  4,5 CFM, 128 l/min (220V)
- Voltage: 110 / 220 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

Adapter weldon 25 mm
(externally) 19,05 mm (3/4") Weldon (internally) extension 25 mm, ø 35 mm, for 6,35 mm / 1/4" pilot pins

IBK.25
For 8 mm / 5/16" pilot pins

IBK.25/8

Adapter weldon 50 mm
(externally) 19,05 mm (3/4") Weldon (internally) extension 50 mm, ø 35 mm, for 6,35 mm / 1/4" pilot pins

IBK.50
For 8 mm / 5/16" pilot pins

IBK.50/8

Adapter weldon 75 mm
(externally) 19,05 mm (3/4") Weldon (internally) extension 75 mm, ø 35 mm, for 6,35 mm / 1/4" pilot pins

IBK.75
For 8 mm / 5/16" pilot pins

IBK.75/8

Adapter weldon 100 mm
(externally) 19,05 mm (3/4") Weldon (internally) extension 100 mm, ø 35 mm, for 6,35 mm / 1/4" pilot pins

IBK.100
For 8 mm / 5/16" pilot pins

IBK.100/8

MT 2 - 90 mm extension
Adapter for extra stroke (90 mm)

MC.2x2T265

MT 3 - 250 mm extension
Adapter type 268 (250mm)

MC.3x3T268

MT 3 - 121 mm extension
Adapter for extra stroke (121 mm)

MC.3x3T265

MT 3 - 450 mm extension
Adapter type 268 (450mm)

MC.3x3T268/2

Connection

Adapter Nitto One Touch
(externally) - 19,05 mm (3/4") Weldon internally

IBK.NIT

Adapter Fein Quick IN
(externally) - 19,05 mm (3/4") Weldon internally

IBK.QFN

Adapter 19,05 mm Weldon
(outer) - 1/2" x 20 UNF (outer)

IBK.14

Adapter 19,05 mm Weldon
(externally) - B16 Drill chuck connection

IBK.16-14

Reduction ring from 31,75 mm Weldon shank to 19,05 mm Weldon shank

IBK.3219

Morse Taper reduction

Morse reduction

IBK.MC3-MC2

Morse reduction

IBK.MC4-MC3

Arbor

MC.2 / MC.3

Auto Arbor IMC.2Q / IMC.3Q

MC.3/32

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

Arbor MT2 - 19,05 (3/4") Weldon
for cutters ø 12 - 60 mm
MC.2

Arbor MT2 - 19,05 (3/4") Weldon
including lubrication ring
IMC.20

Auto Arbor MT2 - 19,05 (3/4") Weldon
Quick exchange, Weldon connection
IMC.2Q

Arbor MT3 - 19,05 (3/4") Weldon
for cutters ø 12 - 60 mm
MC.3

Arbor MT3 - 19,05 (3/4") Weldon
including lubrication ring
IMC.30/19-N

Auto Arbor MT3 - 19,05 (3/4") Weldon
Quick exchange, Weldon connection
IMC.3Q

Arbor MT3 - 31,75 (1-1/4") Weldon
for cutters ø 61 - 100 mm
MC.3/32

Arbor MT3 - 31,75 (1-1/4") Weldon
including lubrication ring
IMC.30/32-N

Arbor MT4 - 31,75 (1-1/4") Weldon
including lubrication ring
IMC.40/32-N

Adapter 1/2" x 20 UNF
(outer) - 1/2" x 20 UNF (inner) extension adapter for drill chucks
IBK.15

Before and after assembly of a shorter replacement spindle IBK.15 for use with drillchucks.

Benefit:
Increases the stroke

IBK.15 with a drillchuck IBQ.13 for Illustration purpose

Drill chuck connection

Morse Taper 2 - B16 spindle connection

B16-MC2

Morse Taper 3 - B16
spindle connection

B16-MC3

Morse Taper 2
Adapter 1/2" x 20 UNF

1/2UNF-MC2

Morse Taper 3
Adapter 1/2" x 30 UNF

1/2UNF-MC3

Morse Taper 2 - B18
spindle connection

B18-MC2

Morse Taper 3 - B18
spindle connection

B18-MC3

Twist drill chuck

Drill chuck
ø 1,5 - 13mm, 1/2" x 20 UNF (inner)

IBK.13

Keyless drill chuck
ø 1,5 - 13mm, 1/2" x 20 UNF (inner)

IBK.13Q

Drill chuck
ø 1,5 - 13mm, with B16 connection

- Available with inner thread or inner taper

IBK.13-B16

Drill chuck
ø 1,5 - 16mm, with B16 connection

- Available with inner taper

IBK.16

Drill chuck Quick change
ø 1,5 - 13mm, 1/2" x 20 UNF

IBQ.13

Drill chuck Quick change
ø 1,5 - 16mm, with B16 connection

IBQ.16

The IBQ.13 and IBQ.16 Quick Change drill chucks are keyless, three-jaw, self-centering chucks that hold drill bits in place for drilling operations. 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 pushing boundaries to make your drilling process far more efficient. The continuous research and development is reflected in superior quality magnetic drilling machines, annular cutters and all other kinds of tools. While this lays the basis of optimum drilling and cutting performance, there is also the hugely important, often underestimated, factor of proper cooling and lubrication.

Higher quality workpiece finishing

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
To let things run smoothly, you need to lubricate them. For cutting tools and is particular annular cutters, twist drills and machine taps this is just the same. A suitable lubricant will reduce friction greatly. The tool will set itself much better, and will generate less vibrations. The 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 know, 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 also lead to specific issues, such as unreliable slug ejection when working with annular cutters.

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

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 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 preparing 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 "liquid tool".

Minimized tool wear and replacement

Reduced processing time & lower operation cost

Using appropiate cutting lubricants adds value to your business operation

Material application ● Optimal ○ Good ○ Possible

Material / Oil	Plastics GRP/ CRP	Brass, Copper, Tin	Grey cast iron	Steel					Stainless steel		Aluminium		Exotic mate-rials*	Rails
				< 500N	< 750N	< 900N	< 1100N	< 1400N	< 900N	≤ 900N	< 10% Si	≤ 10% Si		
IBO.10	○	○	○	●	●	●	●	●	○	○	○	○	○	○
IBO.P911	○	○	○	●	●	●	●	●	○	○	○	○	○	○
IBO.20	○		●	○	○	○	○	○	●	●			●	●
IBO.50	○	●	○	○	○	○	○	○	○	○	●	●	○	○
IBO.60	○	○	○	●	●	●	●	●	○	○	○	○	○	○
MV.4	○	○	○	●	●	●	●	●	○	○	○	○	○	○
IBO.30	○	○	○	●	●	●	●	●	○	○	○	○	○	○
IBP.50/2			●	●	●	●	●	●	●	●			●	●

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

* Inconnell, Nimonic, Hardox, Hastelloy

Cutting oil, spray and paste

General usage

IBO.10

Mild steel lubricating cooling and cutting oil

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

IBO.1001 (1 liter)

IBO.1050 5 liter)

MV.4

Lubricating cooling concentrate for all metals

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

MV.4001 (1 liter)

MV.4050 (5 liter)

Specialized use

IBO.20

Inox, chromium, nickel lubricating cooling and cutting oil

Heavy duty cutting lubricant with extremely efficiency cooling properties, solely for use on hard (plated) materials such as stainless steel, chromium and nickel. This cutting oil can be money saver: drill up to 2 times faster, while minimising the chance of burnt tool bits and discoloured workpieces.

IBO.2001 (1 liter)

IBO.2050 (5 liter

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 and cutting performance.

IBO.5001 (1 liter)

IBO.5050 (5 liter)

IBO.60

Threading oil

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

IBO.6001 (1 liter)

IBO.6050 (5 liter)

IBO-P.911
Mild steel lubricating cooling and 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 (500ml)

IBO.30
All metals lubricating cooling and 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 (500ml)

IBP.50/2
Cutting paste for high-alloy steel
Universal cutting paste, especially suitable for high-alloy steel grades including Hardox and train rails. Its strong adhesive strength also makes it a perfect problem solver for processing in hard to reach places and positions, including upside down. Leaves hardly any greasy residue, thus minimising cleaning preparations for following processing steps, when used undiluted. Suitable to be diluted with IBO.10 or IBO.20 for increased operating force.
IBP.50/2 (1kg)

Gearbox oil

IBO.G1
Offered as official Euroboor spare part, IBO.G1 is the recommended replacement oil for Euroboor magnetic drilling machines with oil filled gearbox. This is the only gear lubricant that is able to meet our high requirements for operating temperature, minimal wear and high machine efficiency.
For use with:
ECO.50S, ECO.55, ECO.55-T, ECO.55-A or ECO.55-TA
IBO.G101 (33,8 oz)

Multifunctional spray oil

Operational use:
- Rust removing
- Lubricates
- 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 (400ml)

Euroboor Annular Cutters

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

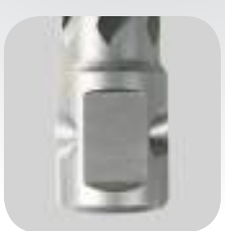
Annular cutters

- + Wide product range
- + Longer lifespan
- + Exact sizing
- + Unique teeth geometry
- + Optimum chip clearance
- + Superior slug ejection

High precision shanks, various connections

Weldon 19,05 (3/4")

Weldon 31,75 (1 1/4")



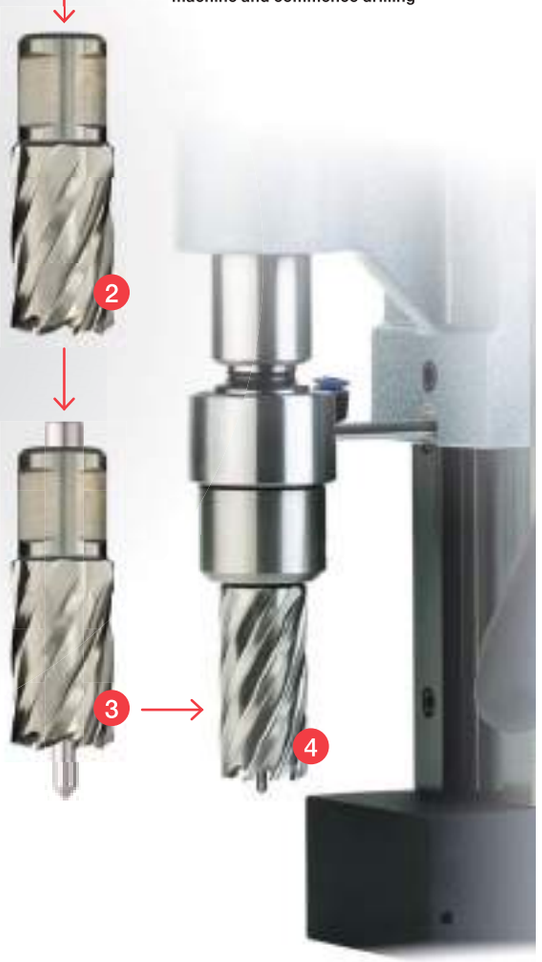
Nitto/Weldon

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 (Weldon)
3. Pilot pin inside annular cutter
4. Place in arbor magnetic drill machine and commence drilling



▲ TCT cutter 200mm (8") DIA (1:1)

We offer a well-considered range of annular cutters, designed to meet and 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.

Euroboor Annular cutter program

Geometry

Altering cutting teeth angles for precise and clear cuts

On our HSS and TCT cutters every tooth does it's own job, working together to cut cleaner and quicker. They actualy save time!

TCT has up to three different teeth

HSS(-Co) has up to 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 cutters have an extra landing on the outside and cut more accuratly with **less friction**
- Euroboor cutters have grounded inside **conical taper which offers expansion room to slug**
- Metric & Imperial **specific sizes** and **shank variations** can be supplied on request.

8x8

Annular Cutters
Unique sizing

Nitto/Weldon shank

Shank

Euroboor annular cutters are standard equipped with **high precision Weldon shanks**. Depending on the cutter size and specification, 19,05mm (3/4") or 31,75mm (1-1/4").
Additionally we also offer tools 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.

Annular cutter overview

Cutting depth (DoC)			Ø Metric (DIA) Weldon mm	Nitto/Weldon mm	Ø Imperial (DIA) Weldon inch
30 mm	HSS		12 - 100	12 - 65	7/16" - 3"
30 mm	HSS-Co	8%	12 - 100	-	-
30 mm	HSS-Co	5%	-	-	7/16" - 1-5/8"
35 mm	TCT		12 - 100	12 - 65	7/16" - 3"
35 mm	TCT Rail		17 - 36	-	-
55 mm	HSS		12 - 100	12 - 65	7/16" - 4"
55 mm	HSS-Co	8%	12 - 100	-	-
55 mm	HSS-Co	5%	-	-	7/16" - 1-5/8"
55 mm	TCT		12 - 200	12 - 65	7/16" - 8"
75 mm	HSS		14 - 50	-	-
75 mm	TCT		12 - 50	-	7/16" - 3"
100 mm	HSS		18 - 50	-	-
100 mm	TCT		12 - 100	-	7/16" - 4"
150 mm	TCT		22 - 50	-	7/8" - 2"
200 mm	TCT		22 - 50	-	7/8" - 2"

High Speed Steel

- Euroboor HSS annular cutters are manufactured using certified M2 high speed steel grade, known for its extremely high wear resistance. What may seem as a simple tool is in reality a very clever instrument packed with years of experience and continuous development.
- Meticulously controlled production processes, including the use of the advanced CNC machinery, make it possible to produce cutters to the highest Euroboor specific standards and to achieve the lowest tolerances and the best possible consistency.
- Our HSS annular cutters are the preferred choice for a wide variety of drilling tasks. No matter how large the job at hand, whether you have to drill in pipe or plate, our cutters offer the best combination of safety, speed, lifetime and perfect finished result for hard plastics, aluminum, copper and – maybe most importantly – construction steel.

High Speed Steel-Cobalt

- Our HSS-Co annular cutters benefit from all the features and qualities of our regular HSS cutters, but to a superior level. One major characteristic makes the difference: the cutters are produced from M42 (M35 for inch sizes) quality base material, and obtain 8% Cobalt (5% for inch sizes). This superior grade steel quality is known for its hardness and higher heat resistance. This combination makes it possible to cut holes in harder materials faster and more effectively.
- Additionally, Euroboor HSS-Co annular cutters possess specifically engineered, fully ground, flutes. The unique geometry creates and removes the best possible chips, resulting in unobstructed drilling and the smoothest holes.
- Higher cutting speeds reduce cycle times significantly, making our annular cutters particularly suitable for high volume production and construction environments. Increased durability decreases the amount of tool, helping you achieve additional time and cost saves.

Tungsten Carbide Tipped

- Euroboor TCT annular cutters are produced especially for use in very hard and difficult materials such as Hardox, stainless steel and railway tracks.
- The body of our TCT cutters is made out a very strong and durable specially selected alloy. The tips, or cutting teeth, are made from extremely hard, durable and strong tungsten carbide (SANDVIK) and are precision welded to the cutter body. The result is a cutter that excels at higher cutting speeds for the hardest jobs.
- The perfected angles on the cutting teeth and spiral flutes ensure optimal chip removal. With the cutting teeth slightly offset to the outside seizure is virtually impossible. To extend the lifetime of the tool the teeth can be sharpened.

Material appliance ● Optimal ○ Good ○ Possible

Cutter \ Material		Plastics GRP/ CRP	Brass, Copper, Tin	Grey cast iron	Steel					Stainless steel		Aluminium		Exotic mate-rials*	Rails
					< 500N	< 750N	< 900N	< 1100N	< 1400N	< 900N	≤ 900N	< 10% Si	≤ 10% Si		
HSS		●	○		●	●	○					○			
HSS-Co		●	●	○	●	●	●	○	○	○	○	●	○	○	
TCT			○	●	●	●	●	●	●	●	●	●	●	●	○
TCT Rail			○	●	●	●	●	●	●	●	●	●	●	●	●

* Inconnell, Nimonic, Hardox, Hastelloy

Annular cutter

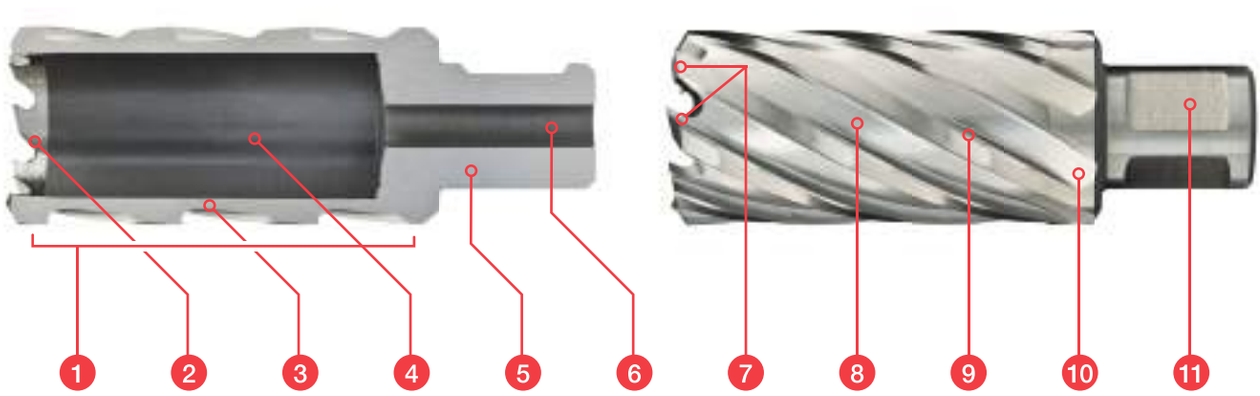
High Speed Steel

HSS Annular Cutters, with unique geometry type and random-space tips, provide clearly cutting, fast feed rate, less vibration, smooth hole surface and long tool life, highly effective for drilling. 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, aluminum, 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 customized as per clients' 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	< 1100N	< 1400N	< 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 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 plug 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 coolant 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 Weldon 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 sizing.

Properties

Our best-selling cutter range most commonly used for standard fabrication and construction. These cutters offer the best possible quality for the majority of drilling tasks.

30mm
Drill depth (DoC)

Weldon

Nitto/Weldon

HSS metric

DIA Ø 12 - 100mm

MM	Weldon	Nitto/Weldon
Ø 12	HCS.120	HCSU.120
Ø 13	HCS.130	HCSU.130
Ø 13,5	HCS.135	
Ø 14	HCS.140	HCSU.140
Ø 15	HCS.150	HCSU.150
Ø 15,5	HCS.155	
Ø 16	HCS.160	HCSU.160
Ø 17	HCS.170	HCSU.170
Ø 17,5	HCS.175	
Ø 18	HCS.180	HCSU.180
Ø 19	HCS.190	HCSU.190
Ø 19,5	HCS.195	
Ø 20	HCS.200	HCSU.200
Ø 21	HCS.210	HCSU.210
Ø 21,5	HCS.215	
Ø 22	HCS.220	HCSU.220
Ø 23	HCS.230	HCSU.230
Ø 24	HCS.240	HCSU.240
Ø 25	HCS.250	HCSU.250
Ø 26	HCS.260	HCSU.260
Ø 26,5	HCS.265	
Ø 27	HCS.270	HCSU.270
Ø 28	HCS.280	HCSU.280
Ø 29	HCS.290	HCSU.290
Ø 30	HCS.300	HCSU.300

MM	Weldon	Nitto/Weldon
Ø 31	HCS.310	HCSU.310
Ø 32	HCS.320	HCSU.320
Ø 33	HCS.330	HCSU.330
Ø 34	HCS.340	HCSU.340
Ø 35	HCS.350	HCSU.350
Ø 36	HCS.360	HCSU.360
Ø 37	HCS.370	HCSU.370
Ø 38	HCS.380	HCSU.380
Ø 39	HCS.390	HCSU.390
Ø 40	HCS.400	HCSU.400
Ø 41	HCS.410	HCSU.410
Ø 42	HCS.420	HCSU.420
Ø 43	HCS.430	HCSU.430
Ø 44	HCS.440	HCSU.440
Ø 45	HCS.450	HCSU.450
Ø 46	HCS.460	HCSU.460
Ø 47	HCS.470	HCSU.470
Ø 48	HCS.480	HCSU.480
Ø 49	HCS.490	HCSU.490
Ø 50	HCS.500	HCSU.500
Ø 51	HCS.510	HCSU.510
Ø 52	HCS.520	HCSU.520
Ø 53	HCS.530	HCSU.530
Ø 54	HCS.540	HCSU.540
Ø 55	HCS.550	HCSU.550

MM	Weldon	Nitto/Weldon
Ø 56	HCS.560	HCSU.560
Ø 57	HCS.570	HCSU.570
Ø 58	HCS.580	HCSU.580
Ø 59	HCS.590	HCSU.590
Ø 60	HCS.600	HCSU.600
Ø 61	HCS.610	HCSU.610
Ø 62	HCS.620	HCSU.620
Ø 63	HCS.630	HCSU.630
Ø 64	HCS.640	HCSU.640
Ø 65	HCS.650	HCSU.650
Ø 66	HCS.660	
Ø 67	HCS.670	
Ø 68	HCS.680	
Ø 69	HCS.690	
Ø 70	HCS.700	
Ø 71	HCS.710	
Ø 72	HCS.720	
Ø 73	HCS.730	
Ø 74	HCS.740	
Ø 75	HCS.750	
Ø 76	HCS.760	
Ø 77	HCS.770	
Ø 78	HCS.780	
Ø 79	HCS.790	
Ø 80	HCS.800	

MM	Weldon	Nitto/Weldon
Ø 81	HCS.810	
Ø 82	HCS.820	
Ø 83	HCS.830	
Ø 84	HCS.840	
Ø 85	HCS.850	
Ø 86	HCS.860	
Ø 87	HCS.870	
Ø 88	HCS.880	
Ø 89	HCS.890	
Ø 90	HCS.900	
Ø 91	HCS.910	
Ø 92	HCS.920	
Ø 93	HCS.930	
Ø 94	HCS.940	
Ø 95	HCS.950	
Ø 96	HCS.960	
Ø 97	HCS.970	
Ø 98	HCS.980	
Ø 99	HCS.990	
Ø 100	HCS.1000	

Shank	HCS	HCSU
3/4"	12-60mm	12-65mm
1 1/4"	61-100mm	

Best use with pilot pin

- Ø 12 - 60 mm

IBC.70 (6,35 x 77mm)

- HCSU Ø 12 - 65 mm

IBC.70 (6,35 x 77mm)

- Ø 61 - 100 mm

IBC.85 (8,00 x 90mm)

Euroboor pilot pins features:

- Precise positioning
- Locks off oil flow in stand still
- Ejects plug with ease

55mm
Drill depth (DoC)

Weldon

Nitto/Weldon

HSS metric

DIA Ø 12 - 100mm

MM	Weldon	Nitto/Weldon
Ø 12	HCL.120	HCLU.120
Ø 13	HCL.130	HCLU.130
Ø 13,5	HCL.135	
Ø 14	HCL.140	HCLU.140
Ø 15	HCL.150	HCLU.150
Ø 15,5	HCL.155	
Ø 16	HCL.160	HCLU.160
Ø 17	HCL.170	HCLU.170
Ø 17,5	HCL.175	
Ø 18	HCL.180	HCLU.180
Ø 19	HCL.190	HCLU.190
Ø 19,5	HCL.195	
Ø 20	HCL.200	HCLU.200
Ø 21	HCL.210	HCLU.210
Ø 21,5	HCL.215	
Ø 22	HCL.220	HCLU.220
Ø 23	HCL.230	HCLU.230
Ø 23,5	HCL.235	
Ø 24	HCL.240	HCLU.240
Ø 25	HCL.250	HCLU.250
Ø 26	HCL.260	HCLU.260
Ø 26,5	HCL.265	
Ø 27	HCL.270	HCLU.270
Ø 28	HCL.280	HCLU.280
Ø 29	HCL.290	HCLU.290

MM	Weldon	Nitto/Weldon
Ø 30	HCL.300	HCLU.300
Ø 31	HCL.310	HCLU.310
Ø 32	HCL.320	HCLU.320
Ø 33	HCL.330	HCLU.330
Ø 34	HCL.340	HCLU.340
Ø 35	HCL.350	HCLU.350
Ø 36	HCL.360	HCLU.360
Ø 37	HCL.370	HCLU.370
Ø 38	HCL.380	HCLU.380
Ø 39	HCL.390	HCLU.390
Ø 40	HCL.400	HCLU.400
Ø 41	HCL.410	HCLU.410
Ø 42	HCL.420	HCLU.420
Ø 43	HCL.430	HCLU.430
Ø 44	HCL.440	HCLU.440
Ø 45	HCL.450	HCLU.450
Ø 46	HCL.460	HCLU.460
Ø 47	HCL.470	HCLU.470
Ø 48	HCL.480	HCLU.480
Ø 49	HCL.490	HCLU.490
Ø 50	HCL.500	HCLU.500
Ø 51	HCL.510	HCLU.510
Ø 52	HCL.520	HCLU.520
Ø 53	HCL.530	HCLU.530
Ø 54	HCL.540	HCLU.540

MM	Weldon	Nitto/Weldon
Ø 55	HCL.550	HCLU.550
Ø 56	HCL.560	HCLU.560
Ø 57	HCL.570	HCLU.570
Ø 58	HCL.580	HCLU.580
Ø 59	HCL.590	HCLU.590
Ø 60	HCL.600	HCLU.600
Ø 61	HCL.610	HCLU.610
Ø 62	HCL.620	HCLU.620
Ø 63	HCL.630	HCLU.630
Ø 64	HCL.640	HCLU.640
Ø 65	HCL.650	HCLU.650
Ø 66	HCL.660	
Ø 67	HCL.670	
Ø 68	HCL.680	
Ø 69	HCL.690	
Ø 70	HCL.700	
Ø 71	HCL.710	
Ø 72	HCL.720	
Ø 73	HCL.730	
Ø 74	HCL.740	
Ø 75	HCL.750	
Ø 76	HCL.760	
Ø 77	HCL.770	
Ø 78	HCL.780	
Ø 79	HCL.790	

MM	Weldon	Nitto/Weldon
Ø 80	HCL.800	
Ø 81	HCL.810	
Ø 82	HCL.820	
Ø 83	HCL.830	
Ø 84	HCL.840	
Ø 85	HCL.850	
Ø 86	HCL.860	
Ø 87	HCL.870	
Ø 88	HCL.880	
Ø 89	HCL.890	
Ø 90	HCL.900	
Ø 91	HCL.910	
Ø 92	HCL.920	
Ø 93	HCL.930	
Ø 94	HCL.940	
Ø 95	HCL.950	
Ø 96	HCL.960	
Ø 97	HCL.970	
Ø 98	HCL.980	
Ø 99	HCL.990	
Ø 100	HCL.1000	

Shank	HCL	HCLU
3/4"	12-60mm	12-65mm
1 1/4"	61-100mm	

Best use with pilot pin

- Ø 12 - 60 mm
  IBC.90 (6,35 x 102mm)
- HCLU Ø 12 - 65 mm
  IBC.90 (6,35 x 102mm)
- Ø 61 - 100 mm
  IBC.100 (8,00 x 123mm)

Euroboor pilot pins features:

- Precise positioning
- Locks off oil flow in stand still
- Ejects plug with ease

75mm
Drill depth (DoC)

HSS metric

DIA Ø 14 - 50mm

MM	Weldon
Ø 14	HCY.140
Ø 15	HCY.150
Ø 16	HCY.160
Ø 17	HCY.170
Ø 18	HCY.180
Ø 19	HCY.190
Ø 20	HCY.200
Ø 21	HCY.210
Ø 22	HCY.220
Ø 23	HCY.230
Ø 24	HCY.240

MM	Weldon
Ø 25	HCY.250
Ø 26	HCY.260
Ø 27	HCY.270
Ø 28	HCY.280
Ø 29	HCY.290
Ø 30	HCY.300
Ø 31	HCY.310
Ø 32	HCY.320
Ø 33	HCY.330
Ø 34	HCY.340
Ø 35	HCY.350

MM	Weldon
Ø 36	HCY.360
Ø 37	HCY.370
Ø 38	HCY.380
Ø 39	HCY.390
Ø 40	HCY.400
Ø 41	HCY.410
Ø 42	HCY.420
Ø 43	HCY.430
Ø 44	HCY.440
Ø 45	HCY.450
Ø 46	HCY.460

MM	Weldon
Ø 47	HCY.470
Ø 48	HCY.480
Ø 49	HCY.490
Ø 50	HCY.500
Ø 51	Available on request
...	
Ø 100	

Shank	HCY
3/4"	14-50mm

100mm
Drill depth (DoC)

HSS metric

DIA Ø 18 - 50mm

MM	Weldon
Ø 18	HCX.180
Ø 19	HCX.190
Ø 20	HCX.200
Ø 21	HCX.210
Ø 22	HCX.220
Ø 23	HCX.230
Ø 24	HCX.240
Ø 25	HCX.250
Ø 26	HCX.260
Ø 27	HCX.270

MM	Weldon
Ø 28	HCX.280
Ø 29	HCX.290
Ø 30	HCX.300
Ø 31	HCX.310
Ø 32	HCX.320
Ø 33	HCX.330
Ø 34	HCX.340
Ø 35	HCX.350
Ø 36	HCX.360
Ø 37	HCX.370

MM	Weldon
Ø 38	HCX.380
Ø 39	HCX.390
Ø 40	HCX.400
Ø 41	HCX.410
Ø 42	HCX.420
Ø 43	HCX.430
Ø 44	HCX.440
Ø 45	HCX.450
Ø 46	HCX.460
Ø 47	HCX.470

MM	Weldon
Ø 48	HCX.480
Ø 49	HCX.490
Ø 50	HCX.500
Ø 51	Available on request
...	
Ø 100	

Shank	HCX
3/4"	18-50mm

Best use with pilot pin

- Ø 14 - 50 mm (75mm DoC)

IBC.K25 (6,35 x 125mm)

- Ø 18 - 50 mm (100mm DoC)

IBC.K50 (6,35 x 155mm)

Euroboor pilot pins features:

- Precise positioning
- Locks off oil flow in stand still
- Ejects plug with ease

1" (30mm) Drill depth (DoC)

HSS imperial

DIA Ø 7/16" - 3"

INCH	Weldon
Ø 7/16"	HCS.7/16"
Ø 1/2"	HCS.1/2"
Ø 9/16"	HCS.9/16"
Ø 5/8"	HCS.5/8"
Ø 11/16"	HCS.11/16"
Ø 3/4"	HCS.3/4"
Ø 13/16"	HCS.13/16"
Ø 7/8"	HCS.7/8"
Ø 15/16"	HCS.15/16"
Ø 1"	HCS.1"

INCH	Weldon
Ø 11/16"	HCS.1-1/16"
Ø 11/8"	HCS.1-1/8"
Ø 13/16"	HCS.1-3/16"
Ø 11/4"	HCS.1-1/4"
Ø 15/16"	HCS.1-5/16"
Ø 13/8"	HCS.1-3/8"
Ø 1 7/16"	HCS.1-7/16"
Ø 1 1/2"	HCS.1-1/2"
Ø 1 9/16"	HCS.1-9/16"
Ø 1 5/8"	HCS.1-5/8"

INCH	Weldon
Ø 1 11/16"	HCS.1-11/16"
Ø 1 3/4"	HCS.1-3/4"
Ø 1 13/16"	HCS.1-13/16"
Ø 1 7/8"	HCS.1-7/8"
Ø 1 15/16"	HCS.1-15/16"
Ø 2"	HCS.2"
Ø 2 1/16"	HCS.2-1/16
Ø 2 1/8"	HCS.2-1/8
Ø 2 3/16"	HCS.2-3/16
Ø 2 1/4"	HCS.2-1/4

INCH	Weldon
Ø 2 5/16"	HCS.2-5/16
Ø 2 3/8"	HCS.2-3/8
Ø 2 7/16"	HCS.2-7/16
Ø 2 1/2"	HCS.2-1/2
Ø 2 9/16"	HCS.2-9/16
Ø 2 5/8"	HCS.2-5/8
Ø 2 11/16"	HCS.2-11/16
Ø 2 3/4"	HCS.2-3/4
Ø 2 13/16"	HCS.2-13/16
Ø 2 7/8"	HCS.2-7/8

INCH	Weldon
Ø 2 15/16"	HCS.2-15/16
Ø 3"	HCS.3

Shank	HCS "
3/4"	7/16 - 2 5/16"
1 1/4"	2 3/8" - 3"

2" (55mm) Drill depth (DoC)

HSS imperial

DIA Ø 7/16" - 4"

INCH	Weldon
Ø 7/16"	HCL.7/16"
Ø 1/2"	HCL.1/2"
Ø 9/16"	HCL.9/16"
Ø 5/8"	HCL.5/8"
Ø 11/16"	HCL.11/16"
Ø 3/4"	HCL.3/4"
Ø 13/16"	HCL.13/16"
Ø 7/8"	HCL.7/8"
Ø 15/16"	HCL.15/16"
Ø 1"	HCL.1"
Ø 1 1/16"	HCL.1-1/16"

INCH	Weldon
Ø 11 /8"	HCL.1-1/8"
Ø 1 3/16"	HCL.1-3/16"
Ø 1 1/4"	HCL.1-1/4"
Ø 1 5/16"	HCL.1-5/16"
Ø 1 3/8"	HCL.1-3/8"
Ø 1 7/16"	HCL.1-7/16"
Ø 1 1/2"	HCL.1-1/2"
Ø 1 9/16"	HCL.1-9/16"
Ø 1 5/8"	HCL.1-5/8"
Ø 1 11/16"	HCL.1-11/16"
Ø 1 3/4"	HCL.1-3/4"

INCH	Weldon
Ø 1 13/16"	HCL.1-13/16"
Ø 1 7/8"	HCL.1-7/8"
Ø 1 15/16"	HCL.1-15/16"
Ø 2"	HCL.2"
Ø 2 1/16"	HCL.2-1/16"
Ø 2 1/8"	HCL.2-1/8"
Ø 2 3/16"	HCL.2-3/16"
Ø 2 1/4"	HCL.2-1/4"
Ø 2 5/16"	HCL.2-5/16"
Ø 2 3/8"	HCL.2-3/8"
Ø 2 7/16"	HCL.2-7/16"

INCH	Weldon
Ø 2 1/2"	HCL.2-1/2"
Ø 2 9/16"	HCL.2-9/16"
Ø 2 5/8"	HCL.2-5/8"
Ø 2 11/16"	HCL.2-11/16"
Ø 2 3/4"	HCL.2-3/4"
Ø 21 3/16"	HCL.2-13/16"
Ø 2 7/8"	HCL.2-7/8"
Ø 2 15/16"	HCL.2-15/16"
Ø 3"	HCL.3"
Ø 3 1/16"	HCL.3-1/16
Ø 3 1/8"	HCL.3-1/8

INCH	Weldon
Ø 3 3/16"	HCL.3-3/16
Ø 3 1/4"	HCL.3-1/4
Ø 3 5/16"	HCL.3-5/16
Ø 3 3/8"	HCL.3-3/8
Ø 3 7/16"	HCL.3-7/16
Ø 3 1/2"	HCL.3-1/2
Ø 3 9/16"	HCL.3-9/16
Ø 3 5/8"	HCL.3-5/8
Ø 3 11/16"	HCL.3-11/16
Ø 3 3/4"	HCL.3-3/4
Ø 3 13/16"	HCL.3-13/16

INCH	Weldon
Ø 3 7/8"	HCL.3-7/8
Ø 3 15/16"	HCL.3-15/16
Ø 4"	HCL.4

Shank	HCL "
3/4"	7/16 - 2 5/16"
1 1/4"	2 3/8" - 4"

Best use with pilot pin

- Ø 7/16" - 2 5/16" (35mm Doc)
  IBC.70 (6,35 x 77mm)
- Ø 7/16" - 2 5/16" (55mm Doc)
  IBC.90 (6,35 x 102mm)
- Ø 2-3/8" - 4" (55mm Doc)
  IBC.100 (8,00 x 123mm)

Euroboor pilot pins features:

- Precise positioning
- Locks off oil flow in stand still
- Ejects plug with ease

6-cutter set

Set HSS metric

DoC 30 mm
- 6 + 1 piece annular cutter set
- Cutter sizes Ø 14, 18, 22 mm (2 of each)
- Pilot pin IBC.70

HCS.KIT

DoC 55 mm
- 6 + 1 piece annular cutter set
- Cutter sizes Ø 14, 18, 22 mm (2 of each)
- Pilot pin IBC.90

HCL.KIT

Set HSS imperial

DoC 1"
- 6 + 1 piece annular cutter set
- Cutter sizes Ø 9/16", 11/16", 13/16" (2 of each)
- Pilot pin IBC.70

HCS.KIT/8

DoC 1" / 2" mm
- 6 + 2 piece annular cutter set
- Cutter sizes Ø 9/16", 11/16", 13/16" (1 of each DoC)
- Pilot pins IBC.70 & IBC.90

HCS.KIT/9

10-cutter set

Set HSS metric

DoC 30 mm
- 10 + 1 piece annular cutter set
- Cutter sizes Ø 12, 14, 16, 18, 20, 22, 24, 26, 28, 30 mm
- Pilot pin IBC.70 x1

HCS.KIT/10

DoC 30 mm
- 10 + 1 piece annular cutter set
- Cutter sizes Ø 14 x3, 18 x3, 22 x 2, 26 x2 mm
- Pilot pin IBC.70 x2

HSS.KIT/10S-M2

DoC 55 mm
- 10 + 1 piece annular cutter set
- Cutter sizes Ø 12, 14, 16, 18, 20, 22, 24, 26, 28, 30 mm
- Pilot pin IBC.90 x1

HCL.KIT/10

DoC 55 mm
- 10 + 1 piece annular cutter set
- Cutter sizes Ø 14 x3, 18 x3, 22 x 2, 26 x2 mm
- Pilot pin IBC.90 x2

HSS.KIT/10L-M2

Set HSS imperial

DoC 1"
- 10 + 1 piece annular cutter set
- Cutter sizes Ø 9/16" x2, 11/16" x2, 13/16" x2, 7/8" x2, 15/16" x1, 1" x1
- Pilot pin IBC.70 x2

HSS.KIT/10S-I1

DoC 1"
- 10 + 1 piece annular cutter set
- Cutter sizes Ø 9/16" x3, 13/16" x3, 7/8" x3, 15/16" x1
- Pilot pin IBC.70 x2

HSS.KIT/10S-I2

DoC 2"
- 10 + 1 piece annular cutter set
- Cutter sizes Ø 9/16" x2, 11/16" x2, 13/16" x2, 7/8" x2, 15/16" x1, 1" x1
- Pilot pin IBC.90 x2

HSS.KIT/10L-I1

DoC 2"
- 10 + 1 piece annular cutter set
- Cutter sizes Ø 9/16" x3, 13/16" x3, 7/8" x3, 15/16" x1
- Pilot pin IBC.70 x2

HSS.KIT/10L-I2

Annular cutter

High Speed Steel stack cutting

Standard HSS Euroboor annular cutters feature teeth geometry which is optimized for use on single layer workpieces, ensuring the fastest and best drilling performance. The rest material created with the use of these cutters is the signature (top hat resembling) 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.

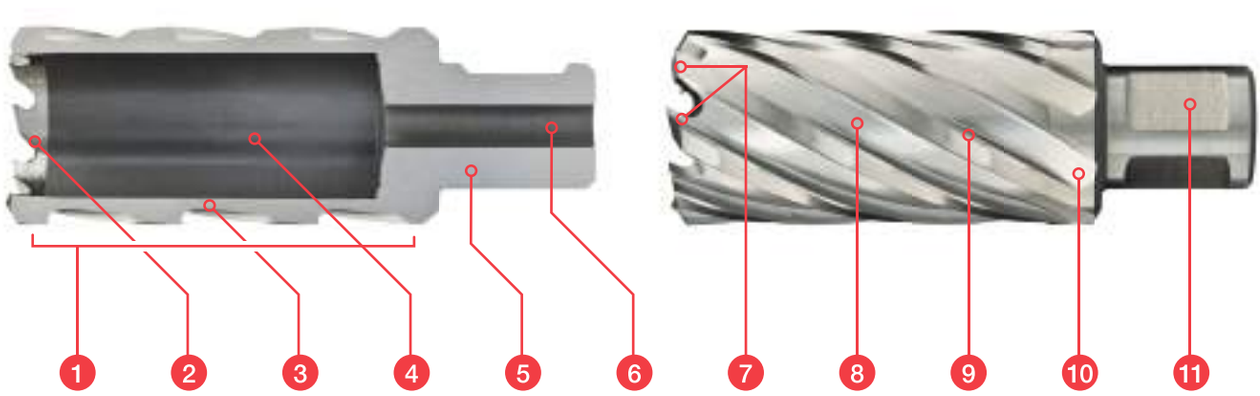
The unique teeth profile ensures safe and stable penetration properties, layer for layer.

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 ● 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	< 1100N	< 1400N	< 900N	≤ 900N	< 10% Si	≤ 10% Si		
●	○		●	●	○					○			

HSS profile



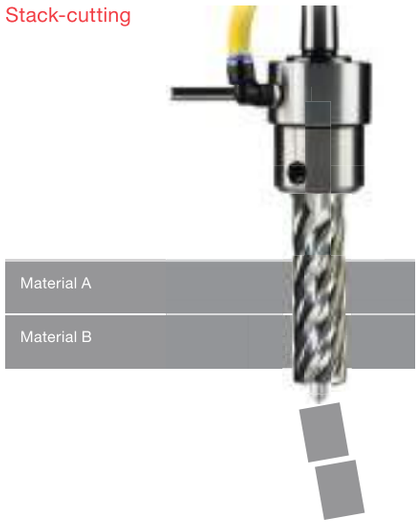
1. Stage hardening. Combines maximum hardness at the teeth with superior strength at the cutter body, reducing breakage to a minimum.
2. Extra deep inner ground cutting teeth. Helps stable “setting” of the cutter, reduces friction during drilling and helps (multiple) slug ejection.
3. Wall thickness 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 plug 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 coolant 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 Weldon 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 sizing.

Did you know:
- Stack geometry annular cutters are also the perfect solution for drilling sandwich plates such as SPS.
- Stack geometry cutters can also be used trouble-free on single layer workpieces.

Standard

Annular cutter geometry slug

Stack-cutting



Stack annular cutter geometry slug

55mm
Drill depth (DoC)

HSS stack metric

DIA Ø 18 - 32mm

MM	Weldon
Ø 18	HCPL.180
Ø 19	HCPL.190
Ø 20	HCPL.200
Ø 21	HCPL.210
Ø 22	HCPL.220
Ø 23	HCPL.230
Ø 24	HCPL 240
Ø 25	HCPL.250
Ø 26	HCPL.260

MM	Weldon
Ø 27	HCPL.270
Ø 28	HCPL.280
Ø 29	HCPL.290
Ø 30	HCPL.300
Ø 31	HCPL.310
Ø 32	HCPL.320

Shank	HCPL
3/4"	18-32mm

75mm
Drill depth (DoC)

HSS stack metric

DIA Ø 18 - 32mm

MM	Weldon
Ø 18	HCPY.180
Ø 19	HCPY.190
Ø 20	HCPY.200
Ø 21	HCPY.210
Ø 22	HCPY.220
Ø 23	HCPY.230
Ø 24	HCPY 240
Ø 25	HCPY.250
Ø 26	HCPY.260

MM	Weldon
Ø 27	HCPY.270
Ø 28	HCPY.280
Ø 29	HCPY.290
Ø 30	HCPY.300
Ø 31	HCPY.310
Ø 32	HCPY.320

Shank	HCPY
3/4"	18-32mm

2"
Drill depth (DoC)

HSS stack imperial

DIA Ø 3/4" - 1 1/4"

MM	Weldon
Ø 3/4"	HCPL.3/4"
Ø 13/16"	HCPL.13/16"
Ø 7/8"	HCPL.7/8"
Ø 15/16"	HCPL.15/16"
Ø 1"	HCPL.1"
Ø 1 1/16"	HCPL. 1-1/16"

MM	Weldon
Ø 1 1/8"	HCPL.1-1/8"
Ø 1 3/16"	HCPL.1-3/16"
Ø 1 1/4"	HCPL.1-1/4"

Shank	HCPL
3/4"	3/4 - 1 1/4"

3"
Drill depth (DoC)

HSS stack imperial

DIA Ø 3/4" - 1 1/4"

MM	Weldon
Ø 3/4"	HCPY.3/4"
Ø 13/16"	HCPY.13/16"
Ø 7/8"	HCPY.7/8"
Ø 15/16"	HCPY.15/16"
Ø 1"	HCPY.1"
Ø 1 1/16"	HCPY. 1-1/16"

MM	Weldon
Ø 1 1/8"	HCPY.1-1/8"
Ø 1 3/16"	HCPY.1-3/16"
Ø 1 1/4"	HCPY.1-1/4"

Shank	HCPY
3/4"	3/4 - 1 1/4"

Annular cutter

High Speed Steel Cobalt

Euroboor HSS-Co Annular Cutters are made of Molybdenum-Chromium-Vanadium-Tungsten alloy High Speed Steel with an additional 8% Cobalt (M42) (5% Cobalt (M35) for inch sizes). The HSS-Co 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-Co 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-Co 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	< 1100N	< 1400N	< 900N	≤ 900N	< 10% Si	≤ 10% Si		
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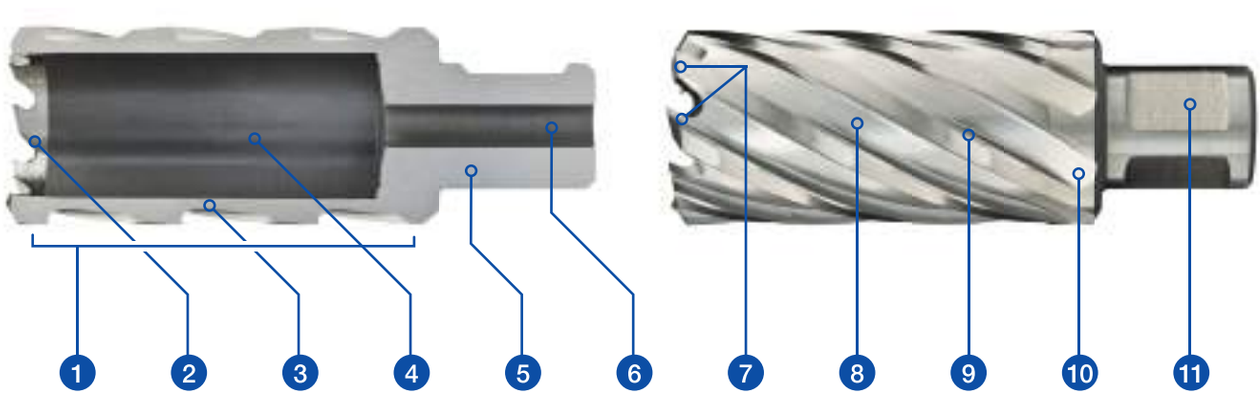
HSS-Co profile



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 plug 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 coolant 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 Weldon 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 sizing.

Properties

High-strength annular cutters for a wide range of mild and hard materials. Especially suitable for the more intense fabrication and construction jobs. These cutters will help you to be more versatile.

30mm
Drill depth (DoC)

HSS-Co 8% metric

DIA Ø 12 - 100mm

MM	Weldon
Ø 12	IBS.120
Ø 13	IBS.130
Ø 14	IBS.140
Ø 15	IBS.150
Ø 16	IBS.160
Ø 17	IBS.170
Ø 18	IBS.180
Ø 19	IBS.190
Ø 20	IBS.200
Ø 21	IBS.210
Ø 22	IBS.220
Ø 23	IBS.230
Ø 24	IBS.240
Ø 25	IBS.250
Ø 26	IBS.260
Ø 27	IBS.270
Ø 28	IBS.280
Ø 29	IBS.290
Ø 30	IBS.300

MM	Weldon
Ø 31	IBS.310
Ø 32	IBS.320
Ø 33	IBS.330
Ø 34	IBS.340
Ø 35	IBS.350
Ø 36	IBS.360
Ø 37	IBS.370
Ø 38	IBS.380
Ø 39	IBS.390
Ø 40	IBS.400
Ø 41	IBS.410
Ø 42	IBS.420
Ø 43	IBS.430
Ø 44	IBS.440
Ø 45	IBS.450
Ø 46	IBS.460
Ø 47	IBS.470
Ø 48	IBS.480
Ø 49	IBS.490

MM	Weldon
Ø 50	IBS.500
Ø 51	IBS.510
Ø 52	IBS.520
Ø 53	IBS.530
Ø 54	IBS.540
Ø 55	IBS.550
Ø 56	IBS.560
Ø 57	IBS.570
Ø 58	IBS.580
Ø 59	IBS.590
Ø 60	IBS.600
Ø 61	IBS.610
Ø 62	IBS.620
Ø 63	IBS.630
Ø 64	IBS.640
Ø 65	IBS.650
Ø 66	IBS.660
Ø 67	IBS.670
Ø 68	IBS.680

MM	Weldon
Ø 69	IBS.690
Ø 70	IBS.700
Ø 71	IBS.710
Ø 72	IBS.720
Ø 73	IBS.730
Ø 74	IBS.740
Ø 75	IBS.750
Ø 76	IBS.760
Ø 77	IBS.770
Ø 78	IBS.770
Ø 79	IBS.790
Ø 80	IBS.800
Ø 81	IBS.810
Ø 82	IBS.820
Ø 83	IBS.830
Ø 84	IBS.840
Ø 85	IBS.850
Ø 86	IBS.860
Ø 87	IBS.870

MM	Weldon
Ø 88	IBS.880
Ø 89	IBS.890
Ø 90	IBS.900
Ø 91	IBS.910
Ø 92	IBS.920
Ø 93	IBS.930
Ø 94	IBS.940
Ø 95	IBS.950
Ø 96	IBS.960
Ø 97	IBS.970
Ø 98	IBS.980
Ø 99	IBS.990
Ø 100	IBS.1000

Shank	IBS
3/4"	12-60mm
1 1/4"	61-100mm

Best use with pilot pin

- Ø 12 - 60 mm

IBC.70 (6,35 x 77mm)

- Ø 61 - 100 mm

IBC.85 (8,00 x 90mm)

Euroboor pilot pins features:

- Precise positioning
- Locks off oil flow in stand still
- Ejects plug with ease

55mm
Drill depth (DoC)

HSS-Co 8% metric

DIA Ø 12 - 100mm

MM	Weldon
Ø 12	IBL.120
Ø 13	IBL.130
Ø 14	IBL.140
Ø 15	IBL.150
Ø 16	IBL.160
Ø 17	IBL.170
Ø 18	IBL.180
Ø 19	IBL.190
Ø 20	IBL.200
Ø 21	IBL.210
Ø 22	IBL.220
Ø 23	IBL.230
Ø 24	IBL.240
Ø 25	IBL.250
Ø 26	IBL.260
Ø 27	IBL.270
Ø 28	IBL.280
Ø 29	IBL.290
Ø 30	IBL.300

MM	Weldon
Ø 31	IBL.310
Ø 32	IBL.320
Ø 33	IBL.330
Ø 34	IBL.340
Ø 35	IBL.350
Ø 36	IBL.360
Ø 37	IBL.370
Ø 38	IBL.380
Ø 39	IBL.390
Ø 40	IBL.400
Ø 41	IBL.410
Ø 42	IBL.420
Ø 43	IBL.430
Ø 44	IBL.440
Ø 45	IBL.450
Ø 46	IBL.460
Ø 47	IBL.470
Ø 48	IBL.480
Ø 49	IBL.490

MM	Weldon
Ø 50	IBL.500
Ø 51	IBL.510
Ø 52	IBL.520
Ø 53	IBL.530
Ø 54	IBL.540
Ø 55	IBL.550
Ø 56	IBL.560
Ø 57	IBL.570
Ø 58	IBL.580
Ø 59	IBL.590
Ø 60	IBL.600
Ø 61	IBL.610
Ø 62	IBL.620
Ø 63	IBL.630
Ø 64	IBL.640
Ø 65	IBL.650
Ø 66	IBL.660
Ø 67	IBL.670
Ø 68	IBL.680

MM	Weldon
Ø 69	IBL.690
Ø 70	IBL.700
Ø 71	IBL.710
Ø 72	IBL.720
Ø 73	IBL.730
Ø 74	IBL.740
Ø 75	IBL.750
Ø 76	IBL.760
Ø 77	IBL.770
Ø 78	IBL.770
Ø 79	IBL.790
Ø 80	IBL.800
Ø 81	IBL.810
Ø 82	IBL.820
Ø 83	IBL.830
Ø 84	IBL.840
Ø 85	IBL.850
Ø 86	IBL.860
Ø 87	IBL.870

MM	Weldon
Ø 88	IBL.880
Ø 89	IBL.890
Ø 90	IBL.900
Ø 91	IBL.910
Ø 92	IBL.920
Ø 93	IBL.930
Ø 94	IBL.940
Ø 95	IBL.950
Ø 96	IBL.960
Ø 97	IBL.970
Ø 98	IBL.980
Ø 99	IBL.990
Ø 100	IBL.1000

Shank	IBL
3/4"	12-60mm
1 1/4"	61-100mm

Best use with pilot pin

- Ø 12 - 60 mm

IBC.90 (6,35 x 102mm)

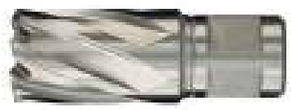
- Ø 61 - 100 mm

IBC.100 (8,00 x 123mm)

Euroboor pilot pins features:

- Precise positioning
- Locks off oil flow in stand still
- Ejects plug with ease

1" (30mm) Drill depth (DoC)



HSS-Co 5% imperial

DIA Ø 7/16" - 1 5/8"

INCH	Weldon
Ø 7/16"	JBS.7/16"
Ø 1/2"	JBS.1/2"
Ø 9/16"	JBS.9/16"
Ø 5/8"	JBS.5/8"
Ø 11/16"	JBS.11/16"
Ø 3/4"	JBS.3/4"

INCH	Weldon
Ø 13/16"	JBS.13/16"
Ø 7/8"	JBS.7/8"
Ø 15/16"	JBS.15/16"
Ø 1"	JBS.1"
Ø 1 1/16"	JBS.1-1/16"
Ø 1 1/8"	JBS.1-1/8"

INCH	Weldon
Ø 1 3/16"	JBS.1-3/16"
Ø 1 1/4"	JBS.1-1/4"
Ø 1 5/16"	JBS.1-5/16"
Ø 1 3/8"	JBS.1-3/8"
Ø 1 7/16"	JBS.1-7/16"
Ø 1 1/2"	JBS.1-1/2"

INCH	Weldon
Ø 1 9/16"	JBS.1-9/16"
Ø 1 5/8"	JBS.1-5/8"

Shank	JBS "
3/4"	7/16" - 1 5/8"

2" (55mm) Drill depth (DoC)

HSS-Co 5% imperial

DIA Ø 7/16" - 1 5/8"

INCH	Weldon
Ø 7/16"	JBL.7/16"
Ø 1/2"	JBL.1/2"
Ø 9/16"	JBL.9/16"
Ø 5/8"	JBL.5/8"
Ø 11/16"	JBL.11/16"
Ø 3/4"	JBL.3/4"

INCH	Weldon
Ø 13/16"	JBL.13/16"
Ø 7/8"	JBL.7/8"
Ø 15/16"	JBL.15/16"
Ø 1"	JBL.1"
Ø 1 1/16"	JBL.1-1/16"
Ø 1 1/8"	JBL.1-1/8"

INCH	Weldon
Ø 1 3/16"	JBL.1-3/16"
Ø 1 1/4"	JBL.1-1/4"
Ø 1 5/16"	JBL.1-5/16"
Ø 1 3/8"	JBL.1-3/8"
Ø 1 7/16"	JBL.1-7/16"
Ø 1 1/2"	JBL.1-1/2"

INCH	Weldon
Ø 1 9/16"	JBL.1-9/16"
Ø 1 5/8"	JBL.1-5/8"

Shank	JBL "
3/4"	7/16 - 1 5/8"

Best use with pilot pin

- Ø 7/16" - 1 5/8"

IBC.70 (6,35 x 77mm)

- Ø 7/16" - 1 5/8"

IBC.90 (6,35 x 102mm)

Euroboor pilot pins features:

- Precise positioning
- Locks off oil flow in stand still
- Ejects plug with ease

Annular cutter

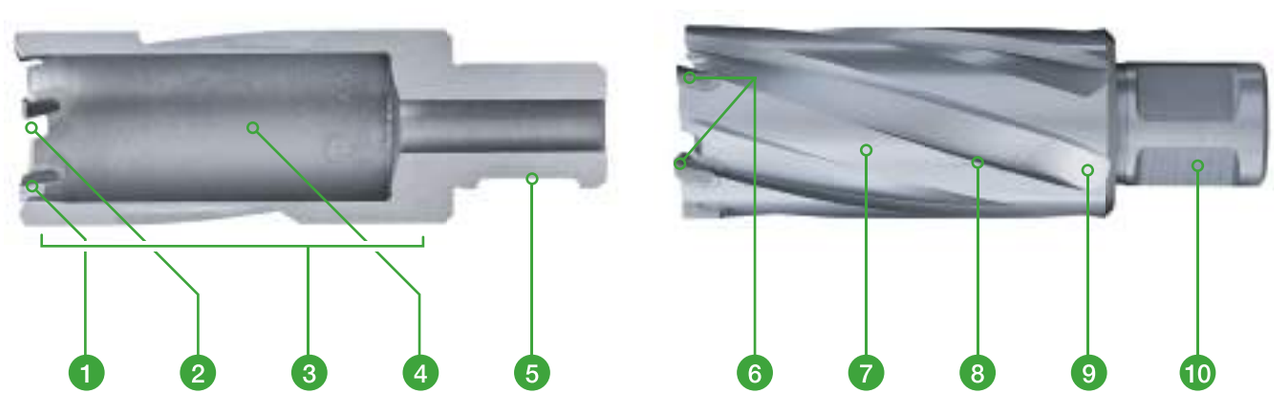
Tungsten Carbide Tipped

Euroboor Tungsten Carbide Tipped (**SANDVIK**) Annular Cutters are equipped with a spiral flute which creates optimum chip removal and seizure is virtually impossible. These annular cutters are used e.g. in hardened materials such as HARDOX steel, stainless steels and high tensile strength such as railway tracks. The Tungsten Carbide Tipped teeth of the cutter can be sharpened or replaced. 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 ● 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	< 1100N	< 1400N	< 900N	≤ 900N	< 10% Si	≤ 10% Si		
	○	●	●	●	●	●	●	●	●	●	●	●	○

TCT profile



1. Extremely hard and durable tungsten carbide cutting teeth (**SANDVIK**) for the hardest of drilling tasks. Offset positioning for the lowest possible heat development.
2. Optimized cutting angles for shortest drilling times and clearest cuts.
3. Special alloy body for optimum strength and durability.
4. Tapered inside fitment prevents the cutter getting stuck. Guaranteed plug ejection with usage of the correct pilot pin.
5. Precise shank fitment for maximum interchangeability and close tolerance drilling without run-out.
6. 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
7. Well-thought-out spiral flute angles for optimal chip removal.
8. Specially designed blades for optimum stability and heat-reduction.
9. Number of flutes and teeth matched to the diameter of the cutter for the best tooth load and superior cutting speeds.
10. Precision ground Weldon 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 sizing.

Properties

Tough drilling jobs are easy with the use of Euroboor TCT annular cutters. Covering a large range of metals including some of the hardest on the market, this type of cutter will help you drill quickly and safely, always and everywhere.

35mm
Drill depth (DoC)

Weldon

Nitto/Weldon

TCT metric

DIA Ø 12 - 100mm

MM	Weldon	Nitto/Weldon
Ø 12	HMS.120	HMSU.120
Ø 13	HMS.130	HMSU.130
Ø 14	HMS.140	HMSU.140
Ø 15	HMS.150	HMSU.150
Ø 16	HMS.160	HMSU.160
Ø 17	HMS.170	HMSU.170
Ø 18	HMS.180	HMSU.180
Ø 19	HMS.190	HMSU.190
Ø 20	HMS.200	HMSU.200
Ø 21	HMS.210	HMSU.210
Ø 22	HMS.220	HMSU.220
Ø 23	HMS.230	HMSU.230
Ø 24	HMS.240	HMSU.240
Ø 25	HMS.250	HMSU.250
Ø 26	HMS.260	HMSU.260
Ø 27	HMS.270	HMSU.270
Ø 28	HMS.280	HMSU.280
Ø 29	HMS.290	HMSU.290
Ø 30	HMS.300	HMSU.300
Ø 31	HMS.310	HMSU.310
Ø 32	HMS.320	HMSU.320
Ø 33	HMS.330	HMSU.330
Ø 34	HMS.340	HMSU.340
Ø 35	HMS.350	HMSU.350

MM	Weldon	Nitto/Weldon
Ø 36	HMS.360	HMSU.360
Ø 37	HMS.370	HMSU.370
Ø 38	HMS.380	HMSU.380
Ø 39	HMS.390	HMSU.390
Ø 40	HMS.400	HMSU.400
Ø 41	HMS.410	HMSU.410
Ø 42	HMS.420	HMSU.420
Ø 43	HMS.430	HMSU.430
Ø 44	HMS.440	HMSU.440
Ø 45	HMS.450	HMSU.450
Ø 46	HMS.460	HMSU.460
Ø 47	HMS.470	HMSU.470
Ø 48	HMS.480	HMSU.480
Ø 49	HMS.490	HMSU.490
Ø 50	HMS.500	HMSU.500
Ø 51	HMS.510	HMSU.510
Ø 52	HMS.520	HMSU.520
Ø 53	HMS.530	HMSU.530
Ø 54	HMS.540	HMSU.540
Ø 55	HMS.550	HMSU.550
Ø 56	HMS.560	HMSU.560
Ø 57	HMS.570	HMSU.570
Ø 58	HMS.580	HMSU.580
Ø 59	HMS.590	HMSU.590

MM	Weldon	Nitto/Weldon
Ø 60	HMS.600	HMSU.600
Ø 61	HMS.610	HMSU.610
Ø 62	HMS.620	HMSU.620
Ø 63	HMS.630	HMSU.630
Ø 64	HMS.640	HMSU.640
Ø 65	HMS.650	HMSU.650
Ø 66	HMS.660	
Ø 67	HMS.670	
Ø 68	HMS.680	
Ø 70	HMS.700	
Ø 72	HMS.720	
Ø 74	HMS.740	
Ø 75	HMS.750	
Ø 80	HMS.800	
Ø 85	HMS.850	
Ø 90	HMS.900	
Ø 95	HMS.950	
Ø 100	HMS.1000	

Shank	HMS	HMSU
3/4"	12-60mm	12-65mm
1 1/4"	61-100mm	

Best use with pilot pin

- Ø 12 - 17 mm

IBC.75 (6,35 x 87mm)

- HMSU Ø 12 - 65 mm

IBC.75 (6,35 x 87mm)

- Ø 18 - 100 mm

IBC.85 (8,00 x 90mm)

Euroboor pilot pins features:

- Precise positioning
- Locks off oil flow in stand still
- Ejects plug with ease

55mm
Drill depth (DoC)

Weldon

Nitto/Weldon

TCT metric

DIA Ø 12 - 200mm

MM	Weldon	Nitto/Weldon
Ø 12	HML.120	HMLU.120
Ø 13	HML.130	HMLU.130
Ø 14	HML.140	HMLU.140
Ø 15	HML.150	HMLU.150
Ø 16	HML.160	HMLU.160
Ø 17	HML.170	HMLU.170
Ø 18	HML.180	HMLU.180
Ø 19	HML.190	HMLU.190
Ø 20	HML.200	HMLU.200
Ø 21	HML.210	HMLU.210
Ø 22	HML.220	HMLU.220
Ø 23	HML.230	HMLU.230
Ø 24	HML.240	HMLU.240
Ø 25	HML.250	HMLU.250
Ø 26	HML.260	HMLU.260
Ø 27	HML.270	HMLU.270
Ø 28	HML.280	HMLU.280
Ø 29	HML.290	HMLU.290
Ø 30	HML.300	HMLU.300
Ø 31	HML.310	HMLU.310
Ø 32	HML.320	HMLU.320
Ø 33	HML.330	HMLU.330
Ø 34	HML.340	HMLU.340
Ø 35	HML.350	HMLU.350
Ø 36	HML.360	HMLU.360
Ø 37	HML.370	HMLU.370
Ø 38	HML.380	HMLU.380
Ø 39	HML.390	HMLU.390
Ø 40	HML.400	HMLU.400
Ø 41	HML.410	HMLU.410
Ø 42	HML.420	HMLU.420
Ø 43	HML.430	HMLU.430

MM	Weldon	Nitto/Weldon
Ø 44	HML.440	HMLU.440
Ø 45	HML.450	HMLU.450
Ø 46	HML.460	HMLU.460
Ø 47	HML.470	HMLU.470
Ø 48	HML.480	HMLU.480
Ø 49	HML.490	HMLU.490
Ø 50	HML.500	HMLU.500
Ø 51	HML.510	HMLU.510
Ø 52	HML.520	HMLU.520
Ø 53	HML.530	HMLU.530
Ø 54	HML.540	HMLU.540
Ø 55	HML.550	HMLU.550
Ø 56	HML.560	HMLU.560
Ø 57	HML.570	HMLU.570
Ø 58	HML.580	HMLU.580
Ø 59	HML.590	HMLU.590
Ø 60	HML.600	HMLU.600
Ø 61	HML.610	HMLU.610
Ø 62	HML.620	HMLU.620
Ø 63	HML.630	HMLU.630
Ø 64	HML.640	HMLU.640
Ø 65	HML.650	HMLU.650
Ø 66	HML.660	
Ø 67	HML.670	
Ø 68	HML.680	
Ø 69	HML.690	
Ø 70	HML.700	
Ø 71	HML.710	
Ø 72	HML.720	
Ø 73	HML.730	
Ø 74	HML.740	
Ø 75	HML.750	

MM	Weldon	Nitto/Weldon
Ø 76	HML.760	
Ø 77	HML.770	
Ø 78	HML.780	
Ø 79	HML.790	
Ø 80	HML.800	
Ø 81	HML.810	
Ø 82	HML.820	
Ø 83	HML.830	
Ø 84	HML.840	
Ø 85	HML.850	
Ø 86	HML.860	
Ø 87	HML.870	
Ø 88	HML.880	
Ø 89	HML.890	
Ø 90	HML.900	
Ø 91	HML.910	
Ø 92	HML.920	
Ø 93	HML.930	
Ø 94	HML.940	
Ø 95	HML.950	
Ø 96	HML.960	
Ø 97	HML.970	
Ø 98	HML.980	
Ø 99	HML.990	
Ø 100	HML.1000	
Ø 102	HML.1020	
Ø 103	HML.1030	
Ø 105	HML.1050	
Ø 106	HML.1060	
Ø 108	HML.1080	
Ø 110	HML.1100	
Ø 111	HML.1110	

MM	Weldon	Nitto/Weldon
Ø 113	HML.1130	
Ø 114	HML.1140	
Ø 115	HML.1150	
Ø 116	HML.1160	
Ø 117	HML.1170	
Ø 119	HML.1190	
Ø 120	HML.1200	
Ø 122	HML.1220	
Ø 124	HML.1240	
Ø 125	HML.1250	
Ø 130	HML.1300	
Ø 135	HML.1350	
Ø 140	HML.1400	
Ø 145	HML.1450	
Ø 150	HML.1500	
Ø 155	HML.1550	
Ø 160	HML.1600	
Ø 165	HML.1650	
Ø 170	HML.1700	
Ø 175	HML.1750	
Ø 180	HML.1800	
Ø 185	HML.1850	
Ø 190	HML.1900	
Ø 195	HML.1950	
Ø 200	HML.2000	

Shank	HML	HMLU
3/4"	12-60mm	12-65mm
1 1/4"	61-200mm	

Best use with pilot pin

- Ø 12 - 17 mm
  IBC.90 (6,35 x 102mm)
- HMLU Ø 12 - 65 mm
  IBC.90 (6,35 x 102mm)
- Ø 18 - 60 mm
  IBC.80 (8,00 x 103mm)
- Ø 61 - 200 mm
  IBC.100 (8,00 x 123mm)

Euroboor pilot pins features:

- Precise positioning
- Locks off oil flow in stand still
- Ejects plug with ease

75mm
Drill depth (DoC)

TCT metric

DIA Ø 12 - 50mm

MM	Weldon
Ø 12	HMY.120
Ø 13	HMY.130
Ø 14	HMY.140
Ø 15	HMY.150
Ø 16	HMY.160
Ø 17	HMY.170
Ø 18	HMY.180
Ø 19	HMY.190
Ø 20	HMY.200

MM	Weldon
Ø 21	HMY.210
Ø 22	HMY.220
Ø 23	HMY.230
Ø 24	HMY.240
Ø 25	HMY.250
Ø 26	HMY.260
Ø 27	HMY.270
Ø 28	HMY.280
Ø 29	HMY.290

MM	Weldon
Ø 30	HMY.300
Ø 31	HMY.310
Ø 32	HMY.320
Ø 33	HMY.330
Ø 34	HMY.340
Ø 35	HMY.350
Ø 36	HMY.360
Ø 37	HMY.370
Ø 38	HMY.380

MM	Weldon
Ø 39	HMY.390
Ø 40	HMY.400
Ø 41	HMY.410
Ø 42	HMY.420
Ø 43	HMY.430
Ø 44	HMY.440
Ø 45	HMY.450
Ø 46	HMY.460
Ø 47	HMY.470

MM	Weldon
Ø 48	HMY.480
Ø 49	HMY.490
Ø 50	HMY.500

Shank	HMY
3/4"	12-50mm

100mm
Drill depth (DoC)

TCT metric

DIA Ø 12 - 100mm

MM	Weldon
Ø 12	HMX.120
Ø 13	HMX.130
Ø 14	HMX.140
Ø 15	HMX.150
Ø 16	HMX.160
Ø 17	HMX.170
Ø 18	HMX.180
Ø 19	HMX.190
Ø 20	HMX.200
Ø 21	HMX.210
Ø 22	HMX.220
Ø 23	HMX.230
Ø 24	HMX.240
Ø 25	HMX.250
Ø 26	HMX.260
Ø 27	HMX.270

MM	Weldon
Ø 28	HMX.280
Ø 29	HMX.290
Ø 30	HMX.300
Ø 31	HMX.310
Ø 32	HMX.320
Ø 33	HMX.330
Ø 34	HMX.340
Ø 35	HMX.350
Ø 36	HMX.360
Ø 37	HMX.370
Ø 38	HMX.380
Ø 39	HMX.390
Ø 40	HMX.400
Ø 41	HMX.410
Ø 42	HMX.420
Ø 43	HMX.430

MM	Weldon
Ø 44	HMX.440
Ø 45	HMX.450
Ø 46	HMX.460
Ø 47	HMX.470
Ø 48	HMX.480
Ø 49	HMX.490
Ø 50	HMX.500
Ø 51	HMX.510
Ø 52	HMX.520
Ø 53	HMX.530
Ø 54	HMX.540
Ø 55	HMX.550
Ø 56	HMX.560
Ø 57	HMX.570
Ø 58	HMX.580
Ø 59	HMX.590

MM	Weldon
Ø 60	HMX.600
Ø 61	HMX.610
Ø 62	HMX.620
Ø 63	HMX.630
Ø 64	HMX.640
Ø 65	HMX.650
Ø 66	HMX.660
Ø 67	HMX.670
Ø 68	HMX.680
Ø 69	HMX.690
Ø 70	HMX.700
Ø 71	HMX.710
Ø 72	HMX.720
Ø 73	HMX.730
Ø 74	HMX.740
Ø 75	HMX.750

MM	Weldon
Ø 76	HMX.760
Ø 77	HMX.770
Ø 78	HMX.780
Ø 79	HMX.790
Ø 80	HMX.800
Ø 81	HMX.810
Ø 82	HMX.820
Ø 83	HMX.830
Ø 84	HMX.840
Ø 85	HMX.850
Ø 86	HMX.860
Ø 87	HMX.870
Ø 88	HMX.880
Ø 89	HMX.890
Ø 90	HMX.900
Ø 91	HMX.910

MM	Weldon
Ø 92	HMX.920
Ø 93	HMX.930
Ø 94	HMX.940
Ø 95	HMX.950
Ø 96	HMX.960
Ø 97	HMX.970
Ø 98	HMX.980
Ø 99	HMX.990
Ø 100	HMX.1000

Shank	HMX
3/4"	12-60mm
1 1/4"	61-100mm

Best use with pilot pin

- Ø 12 - 50 mm (75mm DoC)
  IBC.100 (8,00 x 123mm)
- Ø 12 - 100 mm (100mm DoC)
  IBC.140 (8,00 x 150mm)

Euroboor pilot pins features:

- Precise positioning
- Locks off oil flow in stand still
- Ejects plug with ease

150mm
Drill depth (DoC)

TCT metric

DIA Ø 22 - 50mm

MM	Weldon
Ø 22	HMW.220
Ø 23	HMW.230
Ø 24	HMW.240
Ø 25	HMW.250
Ø 26	HMW.260
Ø 27	HMW.270
Ø 28	HMW.280
Ø 29	HMW.290

MM	Weldon
Ø 30	HMW.300
Ø 31	HMW.310
Ø 32	HMW.320
Ø 33	HMW.330
Ø 34	HMW.340
Ø 35	HMW.350
Ø 36	HMW.360
Ø 37	HMW.370

MM	Weldon
Ø 38	HMW.380
Ø 39	HMW.390
Ø 40	HMW.400
Ø 41	HMW.410
Ø 42	HMW.420
Ø 43	HMW.430
Ø 44	HMW.440
Ø 45	HMW.450

MM	Weldon
Ø 46	HMW.460
Ø 47	HMW.470
Ø 48	HMW.480
Ø 49	HMW.490
Ø 50	HMW.500

Shank	HMW
3/4"	22 - 50mm

200mm
Drill depth (DoC)

TCT metric

DIA Ø 22 - 50mm

MM	Weldon
Ø 22	HMV.220
Ø 23	HMV.230
Ø 24	HMV.240
Ø 25	HMV.250
Ø 26	HMV.260
Ø 27	HMV.270
Ø 28	HMV.280
Ø 29	HMV.290

MM	Weldon
Ø 30	HMV.300
Ø 31	HMV.310
Ø 32	HMV.320
Ø 33	HMV.330
Ø 34	HMV.340
Ø 35	HMV.350
Ø 36	HMV.360
Ø 37	HMV.370

MM	Weldon
Ø 38	HMV.380
Ø 39	HMV.390
Ø 40	HMV.400
Ø 41	HMV.410
Ø 42	HMV.420
Ø 43	HMV.430
Ø 44	HMV.440
Ø 45	HMV.450

MM	Weldon
Ø 46	HMV.460
Ø 47	HMV.470
Ø 48	HMV.480
Ø 49	HMV.490
Ø 50	HMV.500

Shank	HMV
3/4"	22 - 50mm

Best use with pilot pin

- Ø 22 - 50 mm (150 DoC)

IBC.160 (8,00 x 201mm)

- Ø 22 - 50 mm (200mm DoC)

IBC.150 (8,00 x 252mm)

Euroboor pilot pins features:

- Precise positioning
- Locks off oil flow in stand still
- Ejects plug with ease

1" (35mm)
Drill depth (DoC)

TCT imperial

DIA Ø 7/16" - 3"

INCH	Weldon
Ø 7/16"	HMS.7/16"
Ø 1/2"	HMS.1/2"
Ø 9/16"	HMS.9/16"
Ø 5/8"	HMS.5/8"
Ø 11/16"	HMS.11/16"
Ø 3/4"	HMS.3/4"
Ø 13/16"	HMS.13/16"
Ø 7/8"	HMS.7/8"

INCH	Weldon
Ø 15/16"	HMS.15/16"
Ø 1"	HMS.1"
Ø 1 1/16"	HMS.1-1/16"
Ø 1 1/8"	HMS.1-1/8"
Ø 1 3/16"	HMS.1-3/16"
Ø 1 1/4"	HMS.1-1/4"
Ø 1 5/16"	HMS.1-5/16"
Ø 1 3/8"	HMS.1-3/8"

INCH	Weldon
Ø 1 7/16"	HMS.1-7/16"
Ø 1 1/2"	HMS.1-1/2"
Ø 1 9/16"	HMS.1-9/16"
Ø 1 5/8"	HMS.1-5/8"
Ø 1 11/16"	HMS.1-11/16"
Ø 1 3/4"	HMS.1-3/4"
Ø 1 13/16"	HMS.1-13/16"
Ø 1 7/8"	HMS.1-7/8"

INCH	Weldon
Ø 1 15/16"	HMS.1-15/16"
Ø 2"	HMS.2"
Ø 2 1/16"	HMS.2-1/16"
Ø 2 1/8"	HMS.2-1/8"
Ø 2 3/16"	HMS.2-3/16"
Ø 2 1/4"	HMS.2-1/4"
Ø 2 5/16"	HMS.2-5/16"
Ø 2 3/8"	HMS.2-3/8"

INCH	Weldon
Ø 2 7/16"	HMS.2-7/16"
Ø 2 1/2"	HMS.2-1/2"
Ø 2 9/16"	HMS.2-9/16"
Ø 2 5/8"	HMS.2-5/8"
Ø 2 11/16"	HMS.2-11/16"
Ø 2 3/4"	HMS.2-3/4"
Ø 2 13/16"	HMS.2-13/16"
Ø 2 7/8"	HMS.2-7/8"

INCH	Weldon
Ø 2 15/16"	HMS.2-15/16"
Ø 3"	HMS.3"

Shank	HMS "
3/4"	7/16" - 2 5/16"
1 1/4"	2 3/8" - 3"

2" (55mm)
Drill depth (DoC)

TCT imperial

DIA Ø 7/16" - 8"

INCH	Weldon
Ø 7/16"	HML.7/16"
Ø 1/2"	HML.1/2"
Ø 9/16"	HML.9/16"
Ø 5/8"	HML.5/8"
Ø 11/16"	HML.11/16"
Ø 3/4"	HML.3/4"
Ø 13/16"	HML.13/16"
Ø 7/8"	HML.7/8"
Ø 15/16"	HML.15/16"
Ø 1"	HML.1"
Ø 1 1/16"	HML.1-1/16"
Ø 1 1/8"	HML.1-1/8"
Ø 1 3/16"	HML.1-3/16"
Ø 1 1/4"	HML.1-1/4"
Ø 1 5/16"	HML.1-5/16"
Ø 1 3/8"	HML.1-3/8"
Ø 1 7/16"	HML.1-7/16"
Ø 1 1/2"	HML.1-1/2"
Ø 1 9/16"	HML.1-9/16"
Ø 1 5/8"	HML.1-5/8"
Ø 1 11/16"	HML.1-11/16"

INCH	Weldon
Ø 1 3/4"	HML.1-3/4"
Ø 1 13/16"	HML.1-13/16"
Ø 1 7/8"	HML.1-7/8"
Ø 1 15/16"	HML.1-15/16"
Ø 2"	HML.2"
Ø 2 1/16"	HML.2-1/16"
Ø 2 1/8"	HML.2-1/8"
Ø 2 3/16"	HML.2-3/16"
Ø 2 1/4"	HML.2-1/4"
Ø 2 5/16"	HML.2-5/16"
Ø 2 3/8"	HML.2-3/8"
Ø 2 7/16"	HML.2-7/16"
Ø 2 1/2"	HML.2-1/2"
Ø 2 9/16"	HML.2-9/16"
Ø 2 5/8"	HML.2-5/8"
Ø 2 11/16"	HML.2-11/16"
Ø 2 3/4"	HML.2-3/4"
Ø 2 13/16"	HML.2-13/16"
Ø 2 7/8"	HML.2-7/8"
Ø 2 15/16"	HML.2-15/16"
Ø 3"	HML.3"

INCH	Weldon
Ø 3 1/16"	HML.3-1/16"
Ø 3 1/8"	HML.3-1/8"
Ø 3 3/16"	HML.3-3/16"
Ø 3 1/4"	HML.3-1/4"
Ø 3 5/16"	HML.3-5/16"
Ø 3 3/8"	HML.3-3/8"
Ø 3 7/16"	HML.3-7/16"
Ø 3 1/2"	HML.3-1/2"
Ø 3 9/16"	HML.3-9/16"
Ø 3 5/8"	HML.3-5/8"
Ø 3 11/16"	HML.3-11/16"
Ø 3 3/4"	HML.3-3/4"
Ø 3 13/16"	HML.3-13/16"
Ø 3 7/8"	HML.3-7/8"
Ø 3 15/16"	HML.3-15/16"
Ø 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"

INCH	Weldon
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 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"

INCH	Weldon
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"
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"

INCH	Weldon
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.7-7/8"
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"

Shank	HML "
3/4"	7/16" - 2 5/16"
1 1/4"	2 3/8" - 8"

See the pilot pins for 1" and 2" on page 88

3" (75mm) Drill depth (DoC)

TCT imperial

DIA Ø 7/16" - 3"

INCH	Weldon
Ø 7/16"	HMY.7/16''
Ø 1/2"	HMY.1/2''
Ø 9/16"	HMY.9/16"
Ø 5/8"	HMY.5/8"
Ø 11/16"	HMY.11/16"
Ø 3/4"	HMY.3/4"
Ø 13/16"	HMY.13/16"
Ø 7/8"	HMY.7/8"
Ø 15/16"	HMY.15/16"

INCH	Weldon
Ø 1"	HMY.1"
Ø 1 1/16"	HMY.1-1/16"
Ø 1 1/8"	HMY.1-1/8"
Ø 1 3/16"	HMY.1-3/16"
Ø 1 1/4"	HMY.1-1/4"
Ø 1 5/16"	HMY.1-5/16"
Ø 1 3/8"	HMY.1-3/8"
Ø 1 7/16"	HMY.1-7/16"
Ø 1 1/2"	HMY.1-1/2"

INCH	Weldon
Ø 1 9/16"	HMY.1-9/16"
Ø 1 5/8"	HMY.1-5/8"
Ø 1 11/16"	HMY.1-11/16"
Ø 1 3/4"	HMY.1-3/4"
Ø 1 13/16"	HMY.1-13/16"
Ø 1 7/8"	HMY.1-7/8"
Ø 1 15/16"	HMY.1-15/16"
Ø 2"	HMY.2"
Ø 2 1/16"	HMY.2-1/16"

INCH	Weldon
Ø 2 1/8"	HMY.2-1/8"
Ø 2 3/16"	HMY.2-3/16"
Ø 2 1/4"	HMY.2-1/4"
Ø 2 5/16"	HMY.2-5/16"
Ø 2 3/8"	HMY.2-3/8"
Ø 2 7/16"	HMY.2-7/16"
Ø 2 1/2"	HMY.2-1/2"
Ø 2 9/16"	HMY.2-9/16"
Ø 2 5/8"	HMY.2-5/8"

INCH	Weldon
Ø 2 11/16"	HMY.2-11/16"
Ø 2 3/4"	HMY.2-3/4"
Ø 2 13/16"	HMY.2-13/16"
Ø 2 7/8"	HMY.2-7/8"
Ø 2 15/16"	HMY.2-15/16"
Ø 3"	HMY.3"

Shank	HMY "
3/4"	7/16" - 2 5/16"
1 1/4"	2 3/8" - 3"

4" (100mm) Drill depth (DoC)

TCT imperial

DIA Ø 7/16" - 4"

INCH	Weldon
Ø 7/16"	HMX.7/16''
Ø 1/2"	HMX.1/2''
Ø 9/16"	HMX.9/16"
Ø 5/8"	HMX.5/8"
Ø 11/16"	HMX.11/16"
Ø 3/4"	HMX.3/4"
Ø 13/16"	HMX.13/16"
Ø 7/8"	HMX.7/8"
Ø 15/16"	HMX.15/16"
Ø 1"	HMX.1"
Ø 1 1/16"	HMX.1-1/16"

INCH	Weldon
Ø 1 1/8"	HMX.1-1/8"
Ø 1 3/16"	HMX.1-3/16"
Ø 1 1/4"	HMX.1-1/4"
Ø 1 5/16"	HMX.1-5/16"
Ø 1 3/8"	HMX.1-3/8"
Ø 1 7/16"	HMX.1-7/16"
Ø 1 1/2"	HMX.1-1/2"
Ø 1 9/16"	HMX.1-9/16"
Ø 1 5/8"	HMX.1-5/8"
Ø 1 11/16"	HMX.1-11/16"
Ø 1 3/4"	HMX.1-3/4"

INCH	Weldon
Ø 1 13/16"	HMX.1-13/16"
Ø 1 7/8"	HMX.1-7/8"
Ø 1 15/16"	HMX.1-15/16"
Ø 2"	HMX.2"
Ø 2 1/16"	HMX.2-1/16"
Ø 2 1/8"	HMX.2-1/8"
Ø 2 3/16"	HMX.2-3/16"
Ø 2 1/4"	HMX.2-1/4"
Ø 2 5/16"	HMX.2-5/16"
Ø 2 3/8"	HMX.2-3/8"
Ø 2 7/16"	HMX.2-7/16"

INCH	Weldon
Ø 2 1/2"	HMX.2-1/2"
Ø 2 9/16"	HMX.2-9/16"
Ø 2 5/8"	HMX.2-5/8"
Ø 2 11/16"	HMX.2-11/16"
Ø 2 3/4"	HMX.2-3/4"
Ø 2 13/16"	HMX.2-13/16"
Ø 2 7/8"	HMX.2-7/8"
Ø 2 15/16"	HMX.2-15/16"
Ø 3"	HMX.3"
Ø 3 1/16"	HMX.3-1/16"
Ø 3 1/8"	HMX.3-1/8"

INCH	Weldon
Ø 3 3/16"	HMX.3-3/16"
Ø 3 1/4"	HMX.3-1/4"
Ø 3 5/16"	HMX.3-5/16"
Ø 3 3/8"	HMX.3-3/8"
Ø 3 7/16"	HMX.3-7/16"
Ø 3 1/2"	HMX.3-1/2"
Ø 3 9/16"	HMX.3-9/16"
Ø 3 5/8"	HMX.3-5/8"
Ø 3 11/16"	HMX.3-11/16"
Ø 3 3/4"	HMX.3-3/4"
Ø 3 13/16"	HMX.3-13/16"

INCH	Weldon
Ø 3 7/8"	HMX.3-7/8"
Ø 3 15/16"	HMX.3-15/16"
Ø 4"	HMX.4"

Shank	HMX "
3/4"	7/16" - 2 5/16"
1 1/4"	2 3/8" - 4"

Best use with pilot pin

- Ø 7/16" - 11/16" (35mm DoC)
  IBC.75 (6,35 x 87mm)
- Ø 3/4" - 3" (35mm DoC)
  IBC.85 (8,00 x 90mm)
- Ø 7/16" - 11/16" (55mm DoC)
  IBC.90 (6,35 x 102mm)
- Ø 3/4" - $2^{3/8"}$ (55mm DoC)
  IBC.80 (8,00 x 103mm)
- Ø $2^{7/16"}$ - $4^{15/16"}$ (55/75mm DoC)
  IBC.100 (8,00 x 123mm)
- Ø 7/16" - 4" (100mm DoC)
  IBC.140 (8,00 x 150mm)

Euroboor pilot pins features:

- Precise positioning
- Locks off oil flow in stand still
- Ejects plug with ease

6" (150mm)
Drill depth (DoC)

TCT imperial

DIA Ø 7/8" - 2"

INCH	Weldon
Ø 7/8"	HMW.7/8"
Ø 15/16"	HMW.15/16"
Ø 1"	HMW.1"
Ø 1 1/16"	HMW.1-1/16"
Ø 1 1/8"	HMW.1-1/8"

INCH	Weldon
Ø 1 3/16"	HMW.1-3/16"
Ø 1 1/4"	HMW.1-1/4"
Ø 1 5/16"	HMW.1-5/16"
Ø 1 3/8"	HMW.1-3/8"
Ø 1 7/16"	HMW.1-7/16"

INCH	Weldon
Ø 1 1/2"	HMW.1-1/2"
Ø 1 9/16"	HMW.1-9/16"
Ø 1 5/8"	HMW.1-5/8"
Ø 1 11/16"	HMW.1-11/16"
Ø 1 3/4"	HMW.1-3/4"

INCH	Weldon
Ø 1 13/16"	HMW.1-13/16"
Ø 1 7/8"	HMW.1-7/8"
Ø 1 15/16"	HMW.1-15/16"
Ø 2"	HMW.2"

Shank	HMW "
3/4"	7/8" - 2"

8" (200mm)
Drill depth (DoC)

TCT imperial

DIA Ø 7/8" - 2"

INCH	Weldon
Ø 7/8"	HMV.7/8"
Ø 15/16"	HMV.15/16"
Ø 1"	HMV.1"
Ø 1 1/16"	HMV.1-1/16"
Ø 1 1/8"	HMV.1-1/8"

INCH	Weldon
Ø 1 3/16"	HMV.1-3/16"
Ø 1 1/4"	HMV.1-1/4"
Ø 1 5/16"	HMV.1-5/16"
Ø 1 3/8"	HMV.1-3/8"
Ø 1 7/16"	HMV.1-7/16"

INCH	Weldon
Ø 1 1/2"	HMV.1-1/2"
Ø 1 9/16"	HMV.1-9/16"
Ø 1 5/8"	HMV.1-5/8"
Ø 1 11/16"	HMV.1-11/16"
Ø 1 3/4"	HMV.1-3/4"

INCH	Weldon
Ø 1 13/16"	HMV.1-13/16"
Ø 1 7/8"	HMV.1-7/8"
Ø 1 15/16"	HMV.1-15/16"
Ø 2"	HMV.2"

Shank	HMV "
3/4"	7/8" - 2"

Best use with pilot pin

- Ø 7/8" - 2" (150 DoC)

IBC.160 (8,00 x 201mm)

- Ø 7/8" - 2" (200mm DoC)

IBC.150 (8,00 x 252mm)

Euroboor pilot pins features:

- Precise positioning
- Locks off oil flow in stand still
- Ejects plug with ease

6-cutter set

Set TCT metric

DoC 35 mm
- 6 + 2 piece annular cutter set
- Cutter sizes Ø 12, 14, 16, 18, 20, 22 mm
- Pilot pins IBC.75 & IBC.85

TCT.KIT

DoC 55 mm
- 6 + 2 piece annular cutter set
- Cutter sizes Ø 12, 14, 16, 18, 20, 22 mm
- Pilot pins IBC.90 & IBC.80

TCT.KIT/L

Set TCT imperial

10-cutter set

Set TCT metric

DoC 35 mm
- 6 + 2 piece annular cutter set
- Cutter sizes Ø 14 x3, 18 x3, 22 x2, 26 x2 mm
- Pilot pins IBC.75 & IBC.85

TCT.KIT/10S-M1

DoC 55 mm
- 6 + 2 piece annular cutter set
- Cutter sizes Ø 14 x3, 18 x3, 22 x2, 26 x2 mm
- Pilot pins IBC.90 & IBC.80

TCT.KIT/10L-M1

Set TCT imperial

DoC 1"
- 6 + 2 piece annular cutter set
- Cutter sizes Ø 9/16" x2, 11/16" x2, 13/16" x 2, 7/8" x2, 15/16" x1, 1" x1
- Pilot pins IBC.75 & IBC.85

TCT.KIT/10S-I1

DoC 1"
- 6 + 2 piece annular cutter set
- Cutter sizes Ø 9/16" x3, 13/16" x 3, 7/8" x3, 15/16" x1
- Pilot pins IBC.75 & IBC.85

TCT.KIT/10S-I2

DoC 2"
- 6 + 2 piece annular cutter set
- Cutter sizes Ø 9/16" x2, 11/16" x2, 13/16" x 2, 7/8" x2, 15/16" x1, 1" x1
- Pilot pins IBC.90 & IBC.80

TCT.KIT/10L-I1

DoC 2"
- 6 + 2 piece annular cutter set
- Cutter sizes Ø 9/16" x3, 13/16" x 3, 7/8" x3, 15/16" x1
- Pilot pins IBC.90 & IBC.80

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 optimized 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. For the specific flutes the horizontal drilling position and the type of chips from high tensile strength steel are considered, resulting in optimal chip flow and removal.

TCT Rail 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	< 1100N	< 1400N	< 900N	≤ 900N	< 10% Si	≤ 10% Si		
	○	●	●	●	●	●	●	●	●	●	●	●	●

25mm
Drill depth (DoC)

TCT Rail metric
DIA 17 - 36mm

MM	Weldon
Ø 17	TRCS.170S
Ø 18	TRCS.180S
Ø 19	TRCS.190S
Ø 20	TRCS.200S
Ø 21	TRCS.210S
Ø 22	TRCS.220S
Ø 23	TRCS.230S
Ø 24	TRCS.240S
Ø 25	TRCS.250S
Ø 26	TRCS.260S

MM	Weldon
Ø 27	TRCS.270S
Ø 28	TRCS.280S
Ø 29	TRCS.290S
Ø 30	TRCS.300S
Ø 31	TRCS.310S
Ø 32	TRCS.320S
Ø 33	TRCS.330S
Ø 34	TRCS.340S
Ø 35	TRCS.350S
Ø 36	TRCS.360S

35mm*
Drill depth (DoC)

TCT Rail metric
DIA 17 - 36mm

MM	Weldon
Ø 17	TRCS.170
Ø 18	TRCS.180
Ø 19	TRCS.190
Ø 20	TRCS.200
Ø 21	TRCS.210
Ø 22	TRCS.220
Ø 23	TRCS.230
Ø 24	TRCS.240
Ø 25	TRCS.250
Ø 26	TRCS.260

MM	Weldon
Ø 27	TRCS.270
Ø 28	TRCS.280
Ø 29	TRCS.290
Ø 30	TRCS.300
Ø 31	TRCS.310
Ø 32	TRCS.320
Ø 33	TRCS.330
Ø 34	TRCS.340
Ø 35	TRCS.350
Ø 36	TRCS.360

*availability on request

Properties

- Euroboor TCT Rail cutters are specifically engineered for maximum drilling capability and reliability, and offer supreme drilling capability and reliability for the most demanding on-site rail drilling jobs.

Shank	TRCS
3/4"	17 - 36mm

Best use with pilot pin

- Ø 17 - 80 mm (35 DoC)

IBC.70/2 (6,35 x 79mm)

Euroboor pilot pins features:

- Precise positioning
- Locks off oil flow in stand still
- Ejects plug with ease

Pilot pins

Pilot pin range

Code	Lenght pin	Diameter pin
IBC.70	77mm (3")	6,35mm (1/4")
IBC.70/2	79mm (3")	6,35mm (1/4")
IBC.75	87mm ($3^{7/16}$")	6,35mm (1/4")
IBC.80	103mm ($4^{1/16}$")	8mm (5/16")
IBC.85	90mm ($3^{9/16}$")	8mm (5/16")
IBC.90	102mm (4")	6,35mm (1/4")
IBC.100	123mm ($4^{13/16}$")	8mm (5/16")
IBC.110	165mm ($6^{1/2}$")	6,35mm (1/4")
IBC.120	120mm ($4^{3/4}$")	6,35mm (1/4")
IBC.130	162mm ($6^{3/8}$")	8mm (5/16")
IBC.140	150mm ($5^{15/16}$")	8mm (5/16")

Code	Lenght pin	Diameter pin
IBC.150	252mm ($9^{15/16}$")	8mm (5/16")
IBC.160	201mm ($7^{15/16}$")	8mm (5/16")
IBC.K25	125mm ($4^{15/16}$")	6,35mm (1/4")
IBC.K50	155mm ($6^{1/8}$")	6,35mm (1/4")
IBC.K75	177mm (7")	6,35mm (1/4")
IBC.K100	204mm (8")	6,35mm (1/4")
IBC.2P-130*	130mm ($5^{1/8}$")	5/16" (8 mm)
IBC.2P-144*	144mm ($5^{11/16}$")	5/16" (8 mm)
IBC.157*	157mm ($6^{3/16}$")	5/16" (8 mm)
IBC.2P-205*	205mm ($8^{1/16}$")	5/16" (8 mm)
IBC.2P-256*	256mm ($10^{1/16}$")	5/16" (8 mm)

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.

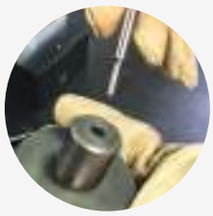
We offer a wide range of pilot pins that match the lengths, diameters and characteristics of our various annular cutters with exactly the required precision to enhance your drilling job in the best way possible.

*Extended pilot pin

Specifically for use with long cutters and drilling in very thick workpieces. Makes it possible to continue drilling with pilot pin without mid-process hassle. Suitable for use with 3" and 4" long cutters

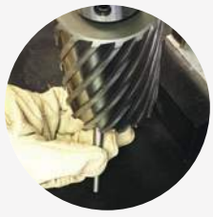
- Total length $6^{3/16}$" (157 mm)
- Shortened length $3^{15/16}$" (100 mm)

IBC.157



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

Start drilling. Stop at approx. 50mm depth.



Remove top part of the pilot pin.

Commence drilling until slug ejection

Pilot pin features

Precise positioning

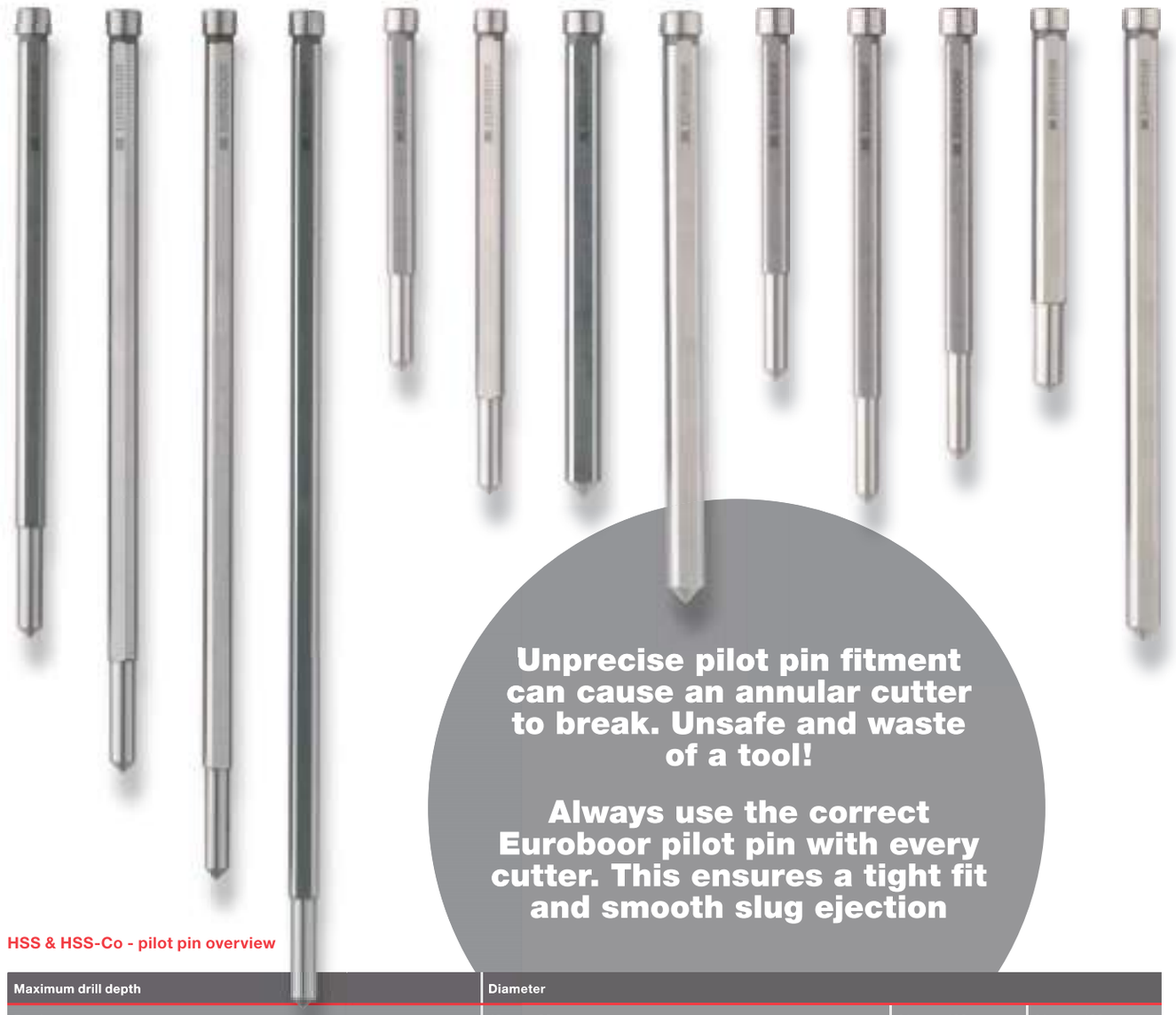
- Whilst having a perfect fit the Euroboor pilot pin is your guidance to center the cutter

Locks off oil flow

- The pilot pin cuts-off oil flow in stand still
- If drilling starts the pilot pin is pushed into the machine and permits the oil to flow in the cutter for direct cooling and lubricating

Ejects plug

- If the cutter is through the material the pilot pin pushes the slug out by means of the strong spring inside the magdrill machine
- Oil flow is cut-off



Unprecise pilot pin fitment can cause an annular cutter to break. Unsafe and waste of a tool!

Always use the correct Euroboor pilot pin with every cutter. This ensures a tight fit and smooth slug ejection

HSS & HSS-Co - pilot pin overview

Maximum drill depth		Diameter		
Product ranges		**12mm - 60mm**	**61mm - 100mm**	**61mm - 130mm**
30 mm	**HCS(U), IBS**	**IBC.70 (IBC.50 for IBS.120)**		**IBC.85**
55 mm	**HCL(U), IBL**	**IBC.90 (IBC.60 for IBL.120)**		**IBC.100**
combined with 25 mm extension adapter (IBK.25)		**IBC.K25***		
combined with 50 mm extension adapter (IBK.50)		**IBC.K50***		
combined with 75 mm extension adapter (IBK.75)		**IBC.K75***		
combined with 100 mm extension adapter (IBK.100)		**IBC.K100***		
combined with Nitto or Fein adapter (IBK.NIT/IBK.QFN)		**IBC.K25***		
75 mm	**HCY**	**IBC.K25**		
100 mm	**HCX**	**IBC.K50**	**IBC.130**	
		Pin Ø 6,35 mm	Pin Ø 8,00 mm	

* Excl. IBL.120

TCT & TCT Rail - pilot pin overview

Maximum drill depth		Diameter				
Product ranges		**12mm - 17mm**	**TCT Rail 17mm - 36mm**	**18mm - 50mm**	**18mm - 60mm**	**61mm - 200mm**
35 mm (1-3/8")	**HMS(U), TRCS**	**IBC.75**	**IBC.75**	**IBC.85**		
combined with Nitto or Fein adapter (IBK.NIT/IBK.QFN)		**IBC.120**				
55 mm (2-1/8")	**HML(U)**	**IBC.90**			**IBC.80**	**IBC.100**
combined with Nitto or Fein adapter (IBK.NIT/IBK.QFN)		**IBC.110**				
75 mm (3")	**HMY**			for all diameters **IBC.100**		
100 mm (4")	**HMX**			for all diameters **IBC.140** or **IBC.157**		
150 mm (6")	**HMW**			for all diameters **IBC.160**		
200 mm (8")	**HMV**			for all diameters **IBC.150**		
		Pin Ø 6,35 mm		Pin Ø 8,00 mm		

Hole saw

Bi-metal hole saws with progressive HSS cutting teeth. Variable alternating 4/6 TPI profile for stable, fast and efficient cutting performance.

Perfectly suitable for sheet material of most common steel types, aluminium, stainless steel, plastics, etc.

Designed for fast cutting in:

- metal
- stainless steel
- aluminum
- brass
- wood
- nail-embedded wood
- plastic
- fiberglass
- drywall
- fiberboard
- composite

16 piece kit

- Bi-metal hole saws in sizes: ø 19, 20, 22, 25, 29, 32, 35, 38, 44, 51, 57, 67, 76 mm
- Hexagonal mandrel ø 9.5 mm (ø 14-30 mm)
- Quick Change mandrel ø 9,5 mm (ø 32-152 mm)

EHS.KIT/16

13 piece kit

- Bi-metal hole saws in sizes: ø 19, 22, 29, 35, 38, 44, 51, 57, 64 mm
- Hexagonal mandrel ø 9.5 mm (ø 14-30 mm)
- Quick Change mandrel ø 9,5 mm (ø 32-152 mm)

EHS.KIT/13

9 pieces electrician set

- Bi-metal hole saws in sizes: ø 22, 29, 35, 44, 51, 64 mm
- Hexagonal mandrel ø 9.5 mm (ø 14-30 mm)
- Quick Change mandrel ø 9,5 mm (ø 32-152 mm)

EHS.KIT9/EL

9 pieces plumbers/fitters set

- Bi-metal hole saws in sizes: ø 19, 22, 29, 38, 44, 57 mm
- Hexagonal mandrel ø 9.5 mm (ø 14-30 mm)
- Quick Change mandrel ø 9,5 mm (ø 32-152 mm)

EHS.KIT9/PL

mm	inch	Code
14	9/16	EHS.14
16	5/8	EHS.16
17	11/16	EHS.17
19	3/4	EHS.19
20	25/32	EHS.20
21	13/16	EHS.21
22	7/8	EHS.22
24	15/16	EHS.24
25	1	EHS.25
27	1 1/16	EHS.27
28	1 3/32	EHS.28
29	1 1/8	EHS.29
30	1 3/16	EHS.30
32	1 1/4	EHS.32
33	1 5/16	EHS.33
35	1 3/8	EHS.35
37	1 7/16	EHS.37
38	1 1/2	EHS.38
40	1 9/16	EHS.40
41	1 5/8	EHS.41
43	1 11/16	EHS.43
44	1 3/4	EHS.44
46	1 13/16	EHS.46
48	1 7/8	EHS.48
51	2	EHS.51
52	2 1/16	EHS.52
54	2 1/8	EHS.54
55	2 3/16	EHS.55
57	1/4	EHS.57
59	2 5/16	EHS.59
60	2 3/8	EHS.60

mm	inch	Code
64	2 1/2	EHS.64
65	2 9/16	EHS.65
67	2 5/8	EHS.67
68	2 11/16	EHS.68
70	2 3/4	EHS.70
73	2 7/8	EHS.73
76	3	EHS.76
79	31/8	EHS.79
83	31/4	EHS.83
86	33/8	EHS.86
89	31/2	EHS.89
92	35/8	EHS.92
95	33/4	EHS.95
98	37/8	EHS.98
102	4	EHS.102
105	4 1/8	EHS.105
108	4 1/4	EHS.108
111	4 3/8	EHS.111
114	4 1/2	EHS.114
121	4 3/4	EHS.121
127	5	EHS.127
133	5 1/4	EHS.133
140	5 1/2	EHS.140
146	5 3/4	EHS.146
152	6	EHS.152
160	6 19/64	EHS.160
165	6 1/2	EHS.165
168	6 39/64	EHS.168
178	7	EHS.178
200	7/8	EHS.200
210	8 1/4	EHS.210

General accessories

Extension piece 300 mm, hexagonal 11
EHS.1001

Adapter
EHS.1002

Ejection spring
EHS.1012

Pilot drill 80 mm length
EHS.1013

Pilot drill 104 mm length
EHS.1014

Securing bolt long
EHS.1015

Securing bolt short
EHS.1016

Mandrels hole saw sizes Ø 14-30 mm

Mandrel (round), 6 mm shank
EHS.1003

Mandrel (round), SDS shank
EHS.1004

Mandrel (hexagonal), 9,5 mm shank
EHS.1006

Mandrel (hexagonal), 11 mm shank
EHS.1005

Mandrels hole saw sizes Ø 32-210 mm

Mandrel (hexagonal), 11 mm shank
EHS.1007

Mandel (quick change), 9,5 mm shank
EHS.1009

Mandrel (quick change), 11 mm shank
EHS.1008

Mandrel (quick change), 16 mm shank
EHS.1010

Mandrel (quick change), SDS shank
EHS.1011

Weldon twist drill

HSS, 19,05 mm (3/4") Weldon shank. Available in 30 mm and 50 mm length.
Machined from one solid blank (no weak spots caused by inferior material or welds)

DoC 30mm DIA Ø 6 - 14mm

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

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"

6-piece weldon twist drill set
- HSS, 19,05 mm (3/4") Weldon shank
- 30 mm length
- Sizes Ø 6 – 11 mm, 1 mm increments

SSPI.KIT

DoC 50mm DIA Ø 6 - 14mm

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

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
- 50 mm length
- Sizes Ø 6 – 11 mm, 1 mm increments

SPI.KIT

Countersink

- HSS, 19,05 mm (3/4") Weldon shank
- 3 cutting edges
- 90°

DIA Ø 10 - 50mm

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

6-piece countersink set
- Sizes ø 6,3, 8,3, 10,4, 12,4, 16,6, 20,5 mm
- HSS-Co (M35 quality)
- Straight shank, compatible with every drill chuck
- 3 cutting edges
- 90°

CBS.620

Twist drill

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

DIA Ø 1 - 13mm

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

All sizes packaged and sold per 10 pieces
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
- 118° point
- Compatible with every drill chuck

TDS.190

19-piece twist drill set
- Sizes Ø 1 – 10 mm, in 0,5 mm increments
- HSS-Co (M35 quality)
- 135° split point
- Compatible with every drill chuck
- Drills also sold seperatly

TDS.100

25-piece twist drill set
- Sizes Ø 1-13 mm, 0,5 mm increments
- HSS-Co (M35 quality)
- 135° split point
- Compatible with every drill chuck
- Drills also sold seperatly

TDS.200

3-piece step drill set
- Sizes ø 6-30 mm, ø 4-20 mm, ø 4-12 mm
- HSS TiN coated
- Spiral flute for efficient chip removal

ESS.430/2

After drilling aid

Magnetic stick for cleaning up metal chips, etc.
ø 22mm x 400mm (ø 7/8" x 15$^{3/4}$")

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.

- Easily clean up sharp-edged metal chips, screws and other metal parts
- Items are safely ejected off of Magic Stick without hand contact
- Ideal for hard-to-reach spaces

MAGICSTICK

Tapping chucks

Tapping chuck MT2-3
- Quick Change M5-M12
- Reversible including rubber clamps

GSW.512R

Tapping chuck MT3-4
- Quick Change M8-M20
- Reversible including rubber clamps

GSW.820R

Rubber clamp
- suitable for GSW.830 (ø 9,0 up to 16,0 mm)

VSP.160

Rubber clamp
- suitable for GSW.830 (ø 16,0 up to 23,0 mm)

VSP.230

Tapping chuck
- M10 up to M30

GSW.830

Morse Taper torque limiting 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 limiter 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 limiting tapping chuck MT3

- Machine tap sizes 8 up to 20 mm (5/16" up to 3/4")

ETC.2

- Machine tap sizes 14 up to 30 mm (1/2" up to 1-3/16")

ETC.3

Tap holder (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 37 1/376) from Cobalt reinforced High Speed Steel (M35 quality).

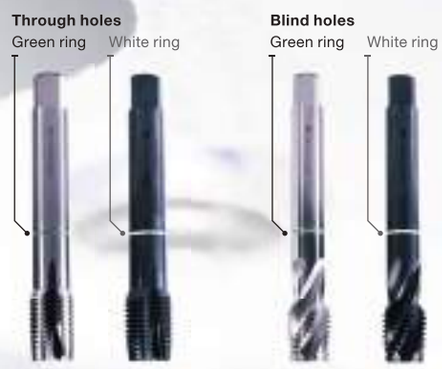
We offer the following application choices:

Through holes
- right-handed thread, straight flute

Blind holes
- right-handed thread, spiral flute

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

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



Through holes

Size	Specification	Green ring	White ring
M3 x 0,5	DIN 371	910.030C	910.030V
M4 x 0,7	DIN 371	910.040C	910.040V
M5 x 0,8	DIN 371	910.050C	910.050V
M6 x 1,0	DIN 371	910.060C	910.060V
M8 x 1,25	DIN 371	910.080C	910.080V
M10 x 1,5	DIN 371	910.100C	910.100V
M10 x 1,5	DIN 376	900.100C	900.100V
M12 x 1,75	DIN 376	900.120C	900.120V
M14 x 2,0	DIN 376	900.140C	900.140V
M16 x 2,0	DIN 376	900.160C	900.160V
M18 x 2,5	DIN 376	900.180C	900.180V
M20 x 2,5	DIN 376	900.200C	900.200V
M22 x 2,5	DIN 376	900.220C	900.220V
M24 x 3,0	DIN 376	900.240C	900.240V
M27 x 3,0	DIN 376	900.270C	900.270V
M30 x 3,0	DIN 376	900.300C	900.300V

Blind Holes

Size	Specification	Green ring	White ring
M3 x 0,5	DIN 371	910.031C	910.031V
M4 x 0,7	DIN 371	910.041C	910.041V
M5 x 0,8	DIN 371	910.051C	910.051V
M6 x 1,0	DIN 371	910.061C	910.061V
M8 x 1,25	DIN 371	910.081C	910.081V
M10 x 1,5	DIN 371	910.101C	910.101V
M10 x 1,5	DIN 376	900.101C	900.101V
M12 x 1,75	DIN 376	900.121C	900.121V
M14 x 2,0	DIN 376	900.141C	900.141V
M16 x 2,0	DIN 376	900.161C	900.161V
M18 x 2,5	DIN 376	900.181C	900.181V
M20 x 2,5	DIN 376	900.201C	900.201V
M22 x 2,5	DIN 376	900.221C	900.221V
M24 x 3,0	DIN 376	900.241C	900.241V
M27 x 3,0	DIN 376	900.271C	900.271V
M30 x 3,0	DIN 376	900.301C	900.301V

Tap sets

14-piece twist drill and tap set

- Sizes: 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
- HSS-Co (M35 quality)
- DIN 371 / 376
- Through holes: right-handed thread, 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) and taps also available separately

DTS.312

Drill tap combination

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 1,5	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

Application

- Alloy steels, castings & forgings
- Suitable and directly fitting (19,05mm Weldon connection) to Euroboor magnetic base drilling and tapping machines:
  ECO.32-T
  ECO.50-T
  ECO.55-T
  ECO.55-TA (manual)
  ECO.100/4
  ECO.100/4 D

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 accessories
  - 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.
- M35 5% Cobalt
- Black oxide coating

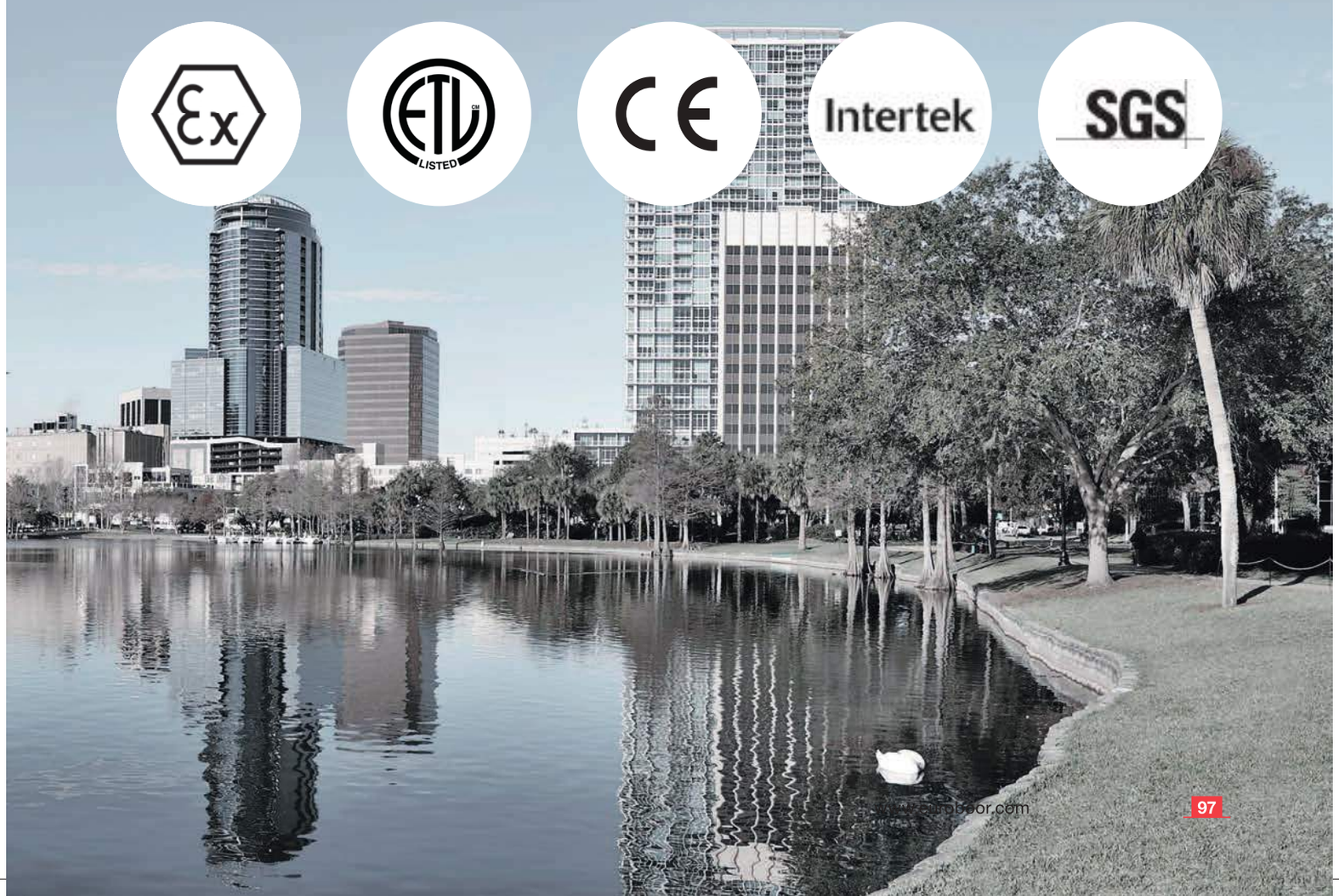
Leading the way in Quality Assurance

At Euroboor we are constantly upgrading our technology to provide our customers with leading edge products that perform to the highest standards. Not only do we offer top quality machining and tooling, we also deliver superior customer care and top quality performance in order to keep our customers coming back to our company and our products.
With more than 38 years of experience we recognize that offering superior service and high-quality products takes you far, but it is not the whole story – it takes high quality products, superior service, and maximum performance. We at Euroboor pride ourselves in being a value added operation, offering you optimum service from beginning to end, and everywhere in between.

Quality guaranteed
At each production phase all tools are subjected to the strictest quality checks. Quality inspectors meticulously study each component with the utmost care to guarantee we deliver only the best quality. Once the tested products have been packaged, they are stored in our factory warehouses. Subsequently machines are randomly picked from stock, dismantled entirely at the test centre, accurately remeasured and checked. When everything is in perfect order the products may leave the factory.

Service and support
Not only do we provide top quality equipment, we bring you uncompromised service as well. Our knowledgeable sales staff is on call 24 hours a day to answer your questions or provide on-site service. We ensure that our customers can rely upon our support. Moreover we can communicate in more than 10 languages.
Euroboor dedicates careful attention to informing our distribution partners. By offering intensive support to our dealers/ wholesalers we help them – and you – to choose the right products.

We are also happy to provide practical and technical information. On top of that we have much more to offer. We are perfectly aware of the fact that customers prefer smaller stocks more often; so we ensure prompt and frequent right-time delivery.



Beveling machines

Beveling machine	B45
Dimensions (lxwxh)	355 x 205 x 283 mm
Weight	4,6 kg
Motor power	1500 W
Spindle speed	variable, 2000-6000/min^{-1}
Bevel angle	45° (optional 30°)
Spindle thread	M12 x 1,5
Max. bevel depth	6 mm (45° angle)
Min. diameter inside bevels	20 mm
Voltage	220-240 V / 50-60 Hz

Beveling machine	LKF.210	LKF.210S
Weight	23 kg	
Motor power	1600 W	
Spindle speed	2800 min^{-1}	1560 min^{-1}
Edge angle	0° - 60°	
Bevel width	0 - 21 mm	
Tooling	Integrated milling head with 10 square TCT inserts	
Voltage	110-120 V / 220-240 V / 50-60 Hz	

Resharpening machine

Cutter resharpening	ERM.100/3
Dimensions (lxwxh)	480 x 300 x 320 mm
Weight	28 kg
Motor power	130 W
Noise emission	< 70 dBa
Grinding disk	Ø 125 mm
Wheel bore	10 mm
Shaft bore	19.05 mm Weldon 31,75 mm Weldon
Speed (no load)	2800 min-1
Voltage	110-120 V / 220-240 V / 50-60 Hz

Angle grinding machines

Grinding tool	AGR.840
Weight	1,8 kg
Motor power	840 W
Spindle speed	10.000 min^{-1}
Disk diameter	ø 125 mm
Bore	ø 22 mm
Spindle	M14
Voltage	220-240 V / 50-60 Hz

Grinding tool	AGR.1200
Weight	3,5 kg
Motor power	1200 W
Spindle speed	9500 min^{-1}
Disk diameter	ø 125 mm
Bore	ø 22 mm
Spindle	M14
Voltage	220-240 V / 50-60 Hz

Grinding tool	AGR.2200/180
Weight	4,9 kg
Motor power	2200 W
Spindle speed	8000 min^{-1}
Disk diameter	ø 180 mm
Bore	ø 22 mm
Spindle	M14
Voltage	220-240 V / 50-60 Hz

Grinding tool	AGR.2200/230
Weight	4,9 kg
Motor power	2200 W
Spindle speed	6000 min^{-1}
Disk diameter	ø 230 mm
Bore	ø 22 mm
Spindle	M14
Voltage	220-240 V / 50-60 Hz

Die grinding machines

Die grinding tool	EDG.600
Weight	1,8 kg
Motor power	600 W
Spindle speed	12.000 - 27.000 min^{-1}
Collet	ø 6 mm
Voltage	220-240 V / 50-60 Hz

Air grinding tool	ADG.2A
Length	193 mm
height	70 mm
Weight	0.53 kg
Free speed	20.000 min^{-1}
Collet	6mm
Air inlet (PT)	1/4"
Air hose (ID)	3/8"
Avg. air consumption	4 SCFM
Working pressure	6.3 bar (90 psi)

Air grinding tool	ADG.2S
Length	193 mm
height	70 mm
Weight	0.67 kg
Free speed	20.000 min^{-1}
Collet	6mm
Air inlet (PT)	1/4"
Air hose (ID)	3/8"
Avg. air consumption	5 SCFM
Working pressure	6.3 bar (90 psi)

Saw machines

Band saw	EBS.500
Dimensions (lxwxh)	650 x 310 x 450 mm
Weight	20 kg
Motor power	1010 W, input
Cutting speed	adjustable, 30 - 80m
Cutting angle	adjustable, 0° - 60°
Cutting capacity: at 0°	○ 125mm
	□ 130 × 125mm
at 45°	○ 76mm
	□ 76 x 76mm
at 60°	○ 55mm
	□ 50 x 50mm
Saw band	13 x 0.65 x 1440mm, 10-14 tpi M42 10% Co
Voltage	110-120 V / 220-240 V / 50-60 Hz

Circular cut-off saw	EDC.135
Dimensions (lxwxh)	610 x 282 x 630 mm
Weight	23 kg
Motor power	2200 W
Cutting speed (no load)	1300 min^{-1}
Cutting angle	adjustable, 0° - 45°
Cutting capacity at 45°	○ 105 mm
	□ 90 × 90 (110) mm
Cutting capacity at 90°	○ 130 mm
	□ 120 x 120 (185) mm
Max. Ø saw blade	355 mm
Voltage	110-120 V / 220-240 V / 50-60 Hz

Circular cut-off saw	EDC.140
Dimensions (lxwxh)	540 x 290 x 410 mm
Weight	24 kg
Motor power	2200 W
Cutting speed (no load)	1300 min^{-1}
Cutting angle	adjustable, 0° - 45°
Cutting capacity at 45°	○ 105 mm
	□ 90 × 90 (110) mm
Cutting capacity at 90°	○ 130 mm
	□ 120 x 120 (185) mm
Max. Ø saw blade	355 mm
Voltage	110-120 V / 220-240 V / 50-60 Hz

Circular cut-off saw	EHC.230/4
Dimensions (lxwxh)	420 x 210 x 370 mm
Weight	9,7 kg
Motor power	1800 W
Cutting speed (no load)	2300 min^{-1}
Angle adjustment	0 - 45°
Bore size	ø 25,4 mm
Max. Saw depth 90°	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 / 220-240 V / 50-60 Hz

B45

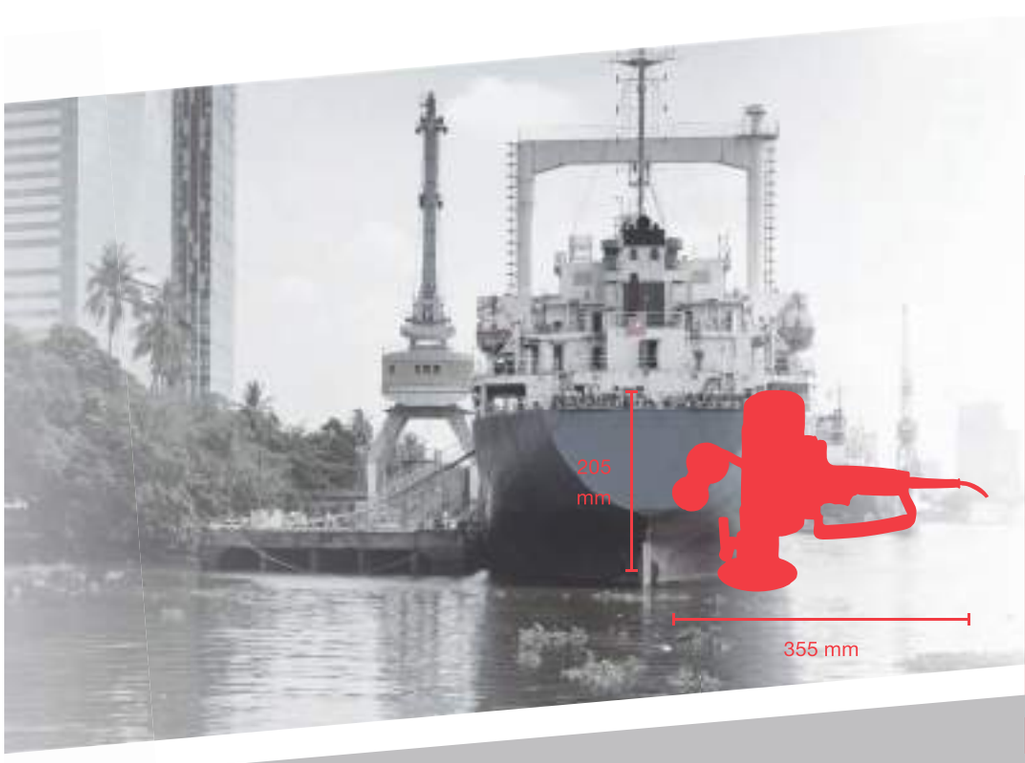
See icon guide on cover flap

kg		min	
4,6	1500 W	2000 - 6000	6mm max

Motor

- Electronic speed stabilization
- Overheat protection
- Anti-kickback and -breakthrough torque control ("slow start")

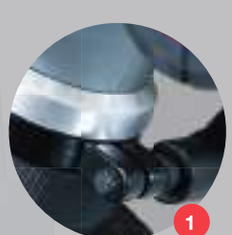
The outstanding ergonomics provide optimum handling and safety. The powerful motor, strong gearing and premium electronics make sure the machine operates as quickly and stable as possible. The specially designed 3-edged milling heads are available in 45°, 30° or radius (R2.5) and take care of creating perfect finishes with the greatest of ease.

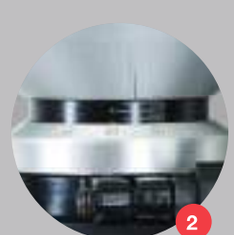


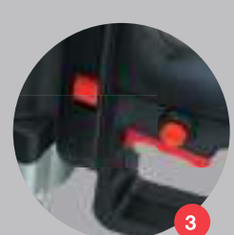
Features

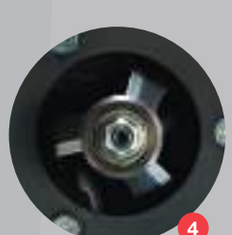
- **Quiet and vibration free**
- **Perfectly smooth results**
- **Optional 30˚ and 45˚ R2.5 milling heads available**
- **Full range of service and spare parts available**
- **Perfectly matching cutting plates available**

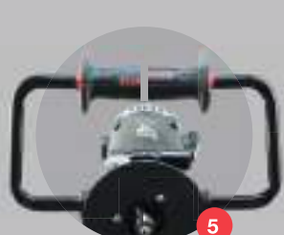
Technical data	
Motor power	1500 W
Weight	4,6 kg
Spindle speed	variable, 2000-6000/min^{-1}
Bevel angle	45˚ (optional 30˚)
Spindle thread	M12 x 1,5
Max. bevel depth	6 mm (45˚ angle)
Min. diameter inside bevels	20 mm
Dimensions (lxhxw)	355 x 205 x 283 mm
Voltage	220 V - 50/60 Hz





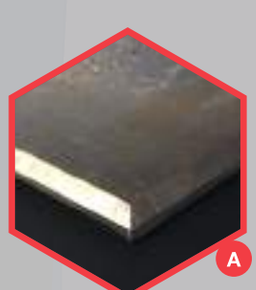


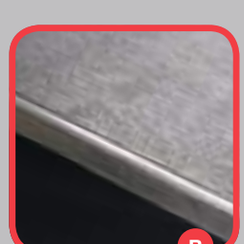


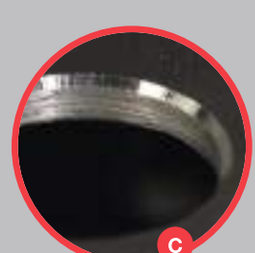


1. Quick and easy bevel depth adjustment
2. Clear bevel depth indication
3. Ergonomic main handle, user-friendly controls, wide Spindle speed adjustment range for use on various materials
4. Precision 45˚ milling head with 3 cutting edges (incl. 1 set cutting plates)
5. Soft-grip front handle, suitable for left- and right-handed users

6 Quick and easy carbon brush replacement







3-in-1 machine

A 45° of 30° beveling
B R2.5 finishing
C Countersinking

Accessories B45

Milling head
30°
B45.1201

Milling head
45°
B45.1202

Milling head
R2.5
B45.1203

Cutting plates
(Sold per 10 pieces)
30° & 45°
LKS.20

Cutting plates
(Sold per 10 pieces)
R2.5
LKS.20-R

Accessories LKF.210(S)

Cutting plates
(Sold per 10 pieces)
LKS.15

Beveling machine
LKF.210(S)

See icon guide on cover flap

kg **23**

1600 W

min **2800**

0 - 10,5mm

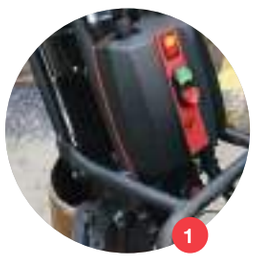
Features

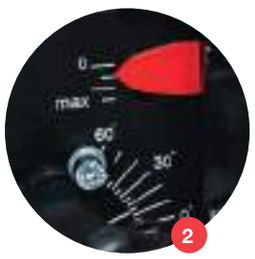
- **Bevel angle 0° to 60°**
- **Bevel width up to 21 mm**
- **Integrated milling head with 10 square TCT inserts**
- **Stable and powerful induction motor**

LKS.210:
for mild steel

LKF.210S:
for stainless steel

Technical data	LKF.210	LKF.210S
Weight	23 kg	
Motor power	1600 W	
Spindle speed	2800 min^{-1}	1560 min^{-1}
Edge angle	0° - 60°	
Bevel width	0 - 21 mm	
Tooling	Integrated milling head with 10 square TCT inserts	
Voltage	110-120 / 220-240 V / 50-60 Hz	





1 Pipe beveling
2 Angle adjustment settings
3 Straight beveling

Grinding, sharpening, deburring, smoothing and polishing

High performance User friendly

EUROBOOR

FOR PROFESSIONALS BY PROFESSIONALS

Grinders

Resharpening machine
ERM.100/3

YouTube Watch the instruction video on www.youtube.com/euroboorbv

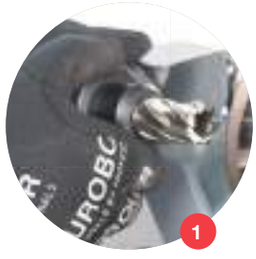
See icon guide on cover flap

kg 28 | 130 W | min 2800

The ERM 100/3 resharpening machine sharpens High Speed Steel and TCT Annular Cutters in the most flexible manner. The robust construction and specific design enable easy operation sharpening cutters with maximum precision.

Features

- **Will resharpen cutters from ø 12 - 100mm in cutting depths of 25 - 100mm.**
- **Lightweight and portable - ideal for on-site work, or workshop.**
- **Easy angle adjustment - simple alignment to original geometry.**
- **Laser guided cutter alignment ensures correct positioning of cutting edge to the wheel.**



1 Cutter position at the cutter sharpening blade
2 Motor adjustment
3 Laser guidance
4 CBN grinding wheel for flutes recommended for Euroboor cutters
5 CBN grinding wheel for flutes recommended for other brands

Technical data	
Dimensions (lxwxh)	480 x 300 x 320 mm
Weight	28 kg
Motor power	130 W
Noise emission	< 70 dBa
Grinding disk	Ø 125 mm
Wheel bore	10 mm
Shaft bore	19.05 mm Weldon 31,75 mm Weldon
Speed (no load)	2800 min-1
Voltage	110-120 V / 220-240 V / 50-60 Hz

Standard supply

SDC grinding wheel (teeth)
ERM3.0002

Index plate T4/T8 & T5/T10
ERM3.0009

Index plate T6 & T7
ERM3.0008

Index plate T9
ERM3.0010

Optionally available

CBN grinding wheel
ERM3.0001

Cutter holder 1¼" Weldon
ERM3.0003

CBN grinding wheel
ERM3.0011

Angle grinder
AGR.840

See icon guide on cover flap

kg		min
1,8	840 W	10.000

High performance motor with enough power for masonry cutting and high heat resistance. The Euroboor AGR.840 single speed 125 mm angle grinder is fitted with a powerful 840 W motor and is designed to be used by the more professional user who requires a powerful machine but with a minimum of weight.

Technical data	
Weight	1,8 kg
Motor power	840 W
Spindle speed	10.000 min^{-1}
Disk diameter	ø 125 mm
Bore	ø 22 mm
Spindle	M14
Voltage	220-240 V / 50-60 Hz

Angle grinder
AGR.1200

See icon guide on cover flap

kg		min
3,5	1200 W	9500

The 125 mm AGR.1200 has the perfect combination of durability, functionality, power and a fantastic price to match! Its single speed variable 1200 W anti dust motor is fitted with a soft start feature to cope with the initial surge from such a powerful motor. Easy-to-operate paddle type on/off switch. Durable motor with high heat resistance. Rotating gear housing can be positioned every 90 degrees.

Technical data	
Weight	3,5 kg
Motor power	1200 W
Spindle speed	9500 min^{-1}
Disk diameter	ø 125 mm
Bore	ø 22 mm
Spindle	M14
Voltage	220-240 V / 50-60 Hz

Angle grinder

AGR.2200/180
AGR.2200/230

See icon guide on cover flap

4,9

2200 W

8000

Excellent big power grinder for big, heavy duty grinding tasks. The rear grip, detachable front handle and low gearbox design make this large angle grinder a pleasure to use and even suitable for tighter working spaces.

Technical data

AGR.2200/180	
Weight	4,9 kg
Motor power	2200 W
Spindle speed	8000 min^{-1}
Disk diameter	ø 180 mm
Bore	ø 22 mm
Spindle	M14
Voltage	220-240 V / 50-60 Hz

AGR.2200/230	
Weight	4,9 kg
Motor power	2200 W
Spindle speed	6000 min^{-1}
Disk diameter	ø 230 mm
Bore	ø 22 mm
Spindle	M14
Voltage	220-240 V / 50-60 Hz

Electric die grinder

EDG.600

See icon guide on cover flap

kg		min
1,8	600 W	12.000 27.000

Powerful straight grinder with precision ball bearing spindle for a smooth and accurate finish. The strong motor is supported by optimally placed air vents for better performance and a longer lifespan. The soft grip provides grip and control.

Features

- Large on/off slide switch for easy operation
- Small and compact design for use in tight spaces
- Lightweight, easy to hold and carry
- Ideal for finishing dies, press working, die casting and moulding work
- Perfectly suitable for use with Euroboor rotary burrs
- Variable speed

1 Easy to use variable speed dial with indicator.

Technical data	
Weight	1,8 kg
Motor power	600 W
Speed (no load)	12.000 - 27.000 min^{-1}
Collet	6 mm
Voltage	220-240 V / 50-60 Hz

Air die grinder

ADG.2A
ADG.2S

See icon guide on cover flap

kg		min
0,53	min 6.3bar (90 PSI)	20.000

Practical air grinders, suitable for nearly every workshop and available in straight and 90° angle version. Excellent for grinding, polishing, deburring and smoothing sharp edges.

Sold as:
- In carton box
- Luxury case
- Luxury case set, includes a rotary burrs set

ADG.2A

ADG.2S

Features

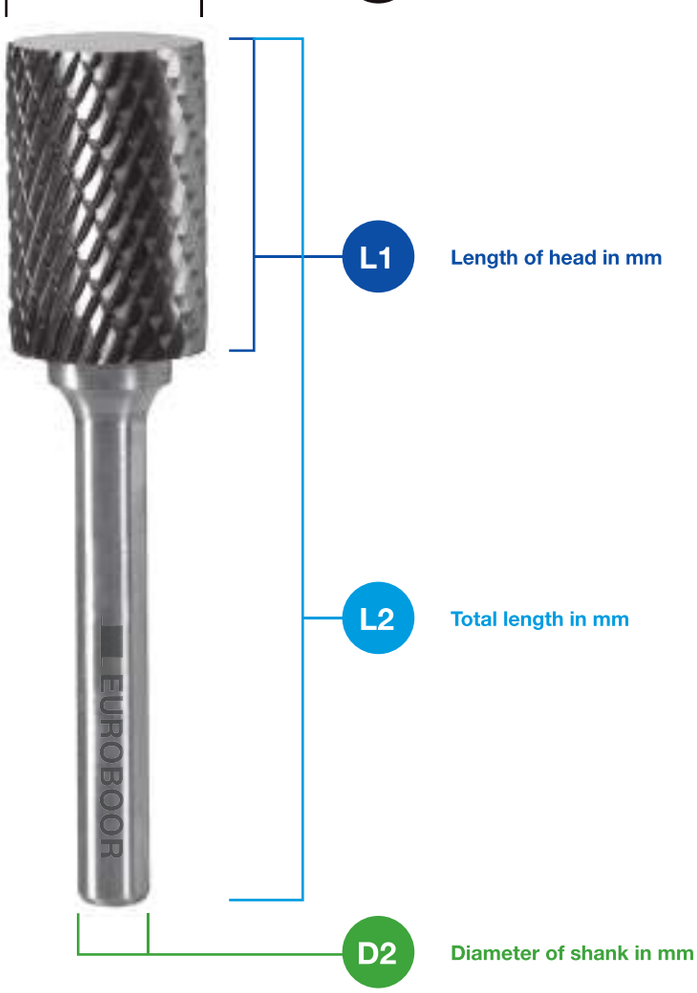
- Excellent for grinding, polishing, deburring and smoothing sharp edges
- Adjustable rear speed regulator in 4 positions
- 360 degree adjustable exhaust deflector
- Standard 6 mm / 1/4" collet optional
- Safety lever trigger, prevents accidental starts

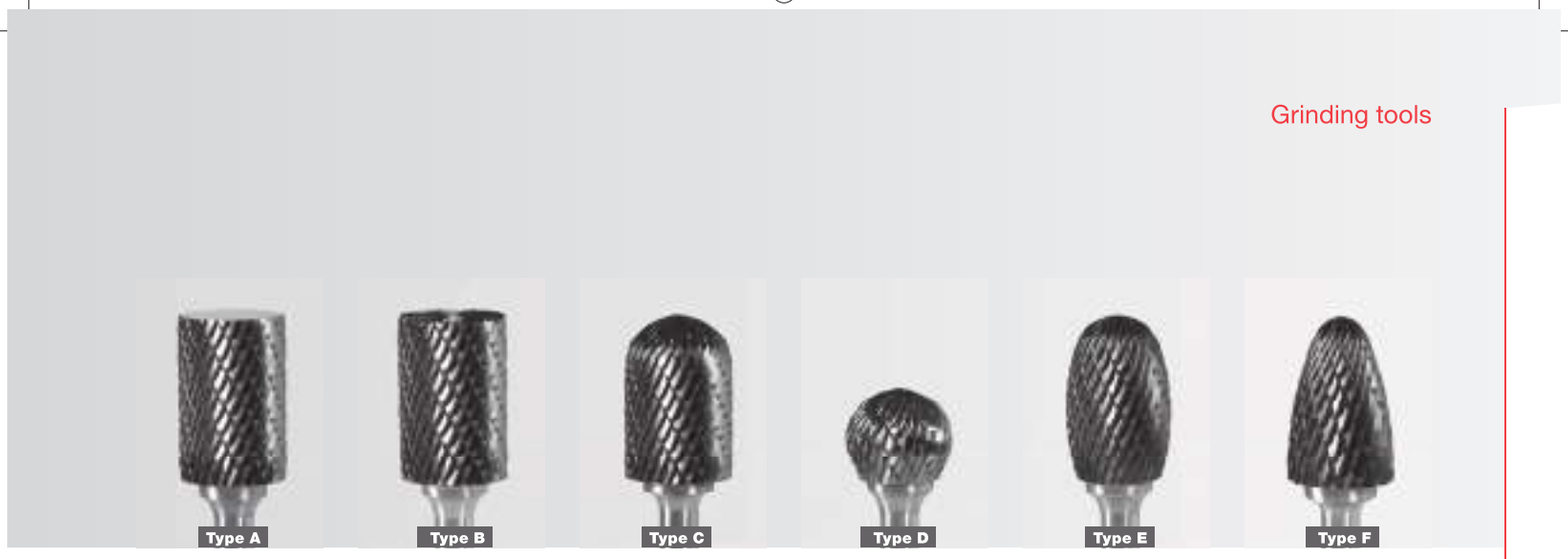
Technical data	ADG.2A	ADG.2S
Weight	0,53 kg	0,67kg
Free speed	20.000 min^{-1}	
Collet	6mm	
Air inlet (PT)	1/4"	
Air hose (ID)	3/8"	
Avg. air consumption	4 SCFM	5 SCFM
Working pressure	6.3 bar (90 psi)	
Length	193 mm	
height	70 mm	

Rotary burrs

Tungsten Carbide

Euroboor heat treated durable carbide rotary burrs are engineered for rapid stock removal in harder materials. The coarse pitch of the teeth remove material effectively, while the deep secondary cuts allows 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 cylinder - ø and sizing in mm

Without end cut

D1	D2	L1	L2	Teeth	Code
3	3	13	38,5	Universal	RB.A0303
6	6	16	61	Universal	RB.A0606
8	6	20	65	Universal	RB.A0806
10	6	20	65	Universal	RB.A1006
12	6	25	70	Universal	RB.A1206
16	6	25	70	Universal	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 sizing in mm

With end cut

D1	D2	L1	L2	Teeth	Code
3	3	13	38,5	Universal	RB.B0303
6	6	16	61	Universal	RB.B0606
8	6	20	65	Universal	RB.B0806
9,5	6	20	65	Universal	RB.B1006
12	6	25	70	Universal	RB.B1206
16	6	25	70	Universal	RB.B1606
8	6	20	65	Diamond	RBD.B0806
9,5	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 sizing in mm

Ball nose cylinder

D1	D2	L1	L2	Teeth	Code
3	3	13	38,5	Universal	RB.C0303
6	6	16	61	Universal	RB.C0606
8	6	20	65	Universal	RB.C0806
9,5	6	20	65	Universal	RB.C1006
12	6	25	70	Universal	RB.C1206
16	6	25	70	Universal	RB.C1606
8	6	20	65	Diamond	RBD.C0806
9,5	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 sizing in mm

Ball

D1	D2	L1	L2	Teeth	Code
3	3	2,7	38,5	Universal	RB.D0303
6	6	5,4	61	Universal	RB.D0606
8	6	7,2	65	Universal	RB.D0806
9,5	6	9	65	Universal	RB.D1006
12	6	10,8	70	Universal	RB.D1206
16	6	14,4	70	Universal	RB.D1606
8	6	7,2	65	Diamond	RBD.D0806
9,5	6	9	65	Diamond	RBD.D1006
12	6	10,8	70	Diamond	RBD.D1206
16	6	14,4	70	Diamond	RBD.D1606

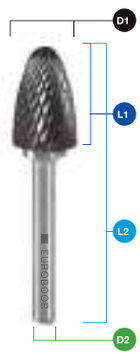
Type E cylinder - ø and sizing in mm

Oval

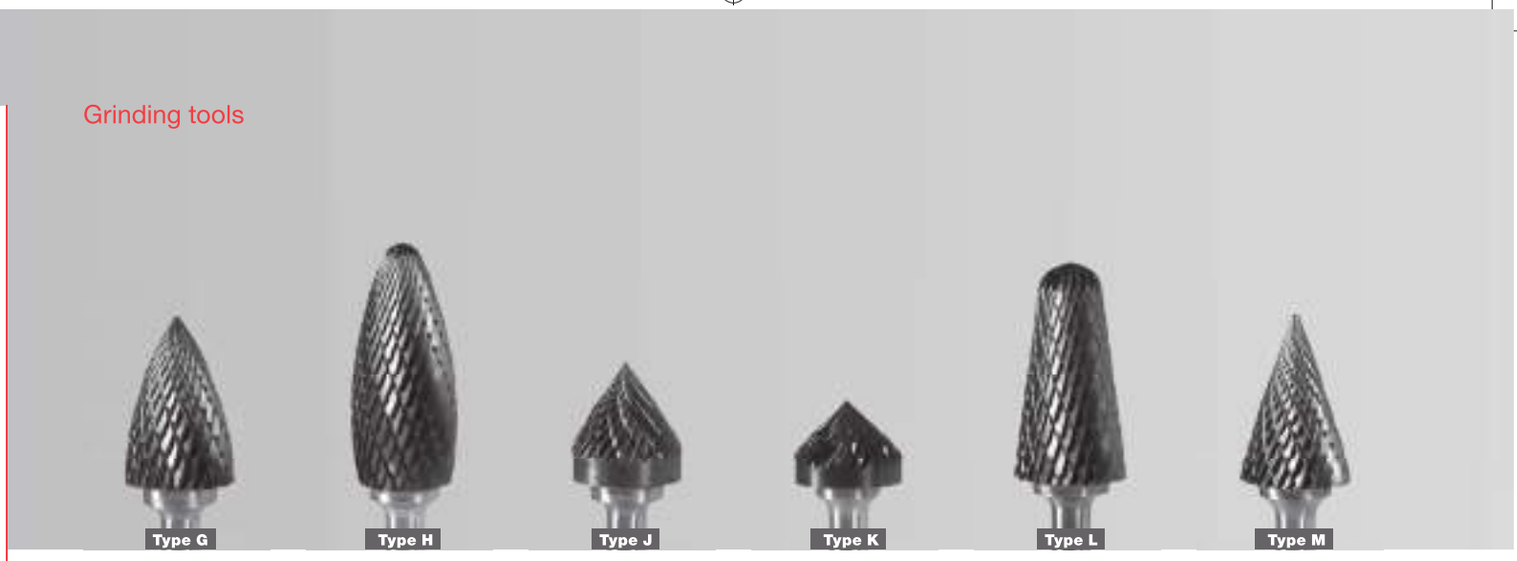
D1	D2	L1	L2	Teeth	Code
3	3	7	38,5	Universal	RB.E0303
6	6	10	55	Universal	RB.E0606
8	6	13	58	Universal	RB.E0806
10	6	16	61	Universal	RB.E1006
12	6	20	65	Universal	RB.E1206
16	6	25	70	Universal	RB.E1606
8	6	13	58	Diamond	RBD.E0806
10	6	16	61	Diamond	RBD.E1006
12	6	20	65	Diamond	RBD.E1206
16	6	25	70	Diamond	RBD.E1606

Type F cylinder - ø and sizing in mm

Ball nose tree



D1	D2	L1	L2	Teeth	Code
3	3	13	38,5	Universal	RB.F0303
6	6	18	63	Universal	RB.F0606
8	6	20	65	Universal	RB.F0806
10	6	20	65	Universal	RB.F1006
12	6	25	70	Universal	RB.F1206
16	6	25	70	Universal	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 sizing in mm

Arc pointed tree

D1	D2	L1	L2	Teeth	Code
3	3	13	38,5	Universal	RB.G0303
6	6	18	63	Universal	RB.G0606
8	6	20	65	Universal	RB.G0806
9,5	6	20	65	Universal	RB.G1006
12	6	25	70	Universal	RB.G1206
16	6	25	70	Universal	RB.G1606
8	6	20	65	Diamond	RBD.G0806
9,5	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 sizing in mm

Flame

D1	D2	L1	L2	Teeth	Code
3	3	13	38,5	Universal	RB.H0303
6	6	18	63	Universal	RB.H0606
8	6	20	65	Universal	RB.H0806
9,5	6	20	70	Universal	RB.H1006
12	6	25	77	Universal	RB.H1206
16	6	25	81	Universal	RB.H1606
8	6	20	65	Diamond	RBD.H0806
9,5	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 sizing in mm

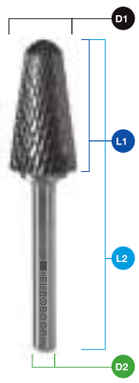
60 degree cone

D1	D2	L1	L2	Teeth	Code
6	6	5,2	50	Universal	RB.J0606
10	6	8,7	53	Universal	RB.J1006
12	6	10,4	55	Universal	RB.J1206
16	6	13,8	58	Universal	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 sizing in mm

90 degree cone

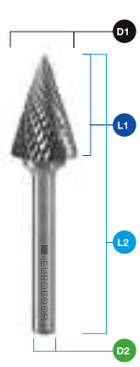
D1	D2	L1	L2	Teeth	Code
6	6	16	61	Universal	RB.K0606
10	6	25	70	Universal	RB.K1006
12	6	28	73	Universal	RB.K1206
16	6	33	78	Universal	RB.K1606
12	6	28	73	Diamond	RBD.K1206
16	6	33	78	Diamond	RBD.K1606



Type L cylinder - ø and sizing in mm

Ball nose cone

D1	D2	L1	L2	Teeth	Code
3	3	13	38,5	Universal	RB.L0303
6	6	18	61	Universal	RB.L0606
8	6	22	65	Universal	RB.L0806
10	6	25	70	Universal	RB.L1006
12	6	28	73	Universal	RB.L1206
16	6	33	78	Universal	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 sizing in mm

Cone

D1	D2	L1	L2	Teeth	Code
3	3	13	38,5	Universal	RB.M0303
6	6	18	63	Universal	RB.M0606
8	6	20	65	Universal	RB.M0806
10	6	20	65	Universal	RB.M1006
12	6	25	70	Universal	RB.M1206
16	6	25	70	Universal	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 set

Type N cylinder - ø and sizing in mm

Inverted cone

D1	D2	L1	L2	Teeth	Code
3	3	13	38,5	Universal	RB.N0303
6	6	17	52	Universal	RB.N0606
10	6	10	55	Universal	RB.N1006
12	6	13	58	Universal	RB.N1206
16	6	16	61	Universal	RB.N1606
10	6	10	55	Diamond	RBD.N1006
12	6	13	58	Diamond	RBD.N1206

5 piece rotary burr set shaft ø 6 mm - Universal teeth.

- 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 - Ball nosed cylinder
  - RB.F1006 - Ball nosed tree
  - RB.L1206 - Ball nosed cone

RBS.105

10 piece rotary burr set shaft ø 6 mm - Universal teeth.

- High quality Tungsten Carbide (K30).
- Double cut - designed for rapid stock removal. Delivered with:
  - RB.A1006 - Cylinder without end cut
  - RB.G1206 - Arc pointed tree
  - RB.C1006 - Ball nosed cylinder
  - RB.J1006 - 60 degree cone
  - RB.D1006 - Ball
  - RB.L1206 - Ball nosed cone
  - RB.E1206 - Oval
  - RB.M1206 - Cone
  - RB.F1206 - Ball nosed tree
  - RB.N1006 - Inverted cone

RBS.110

Band saw 125mm (5")

EBS.500

20 kg

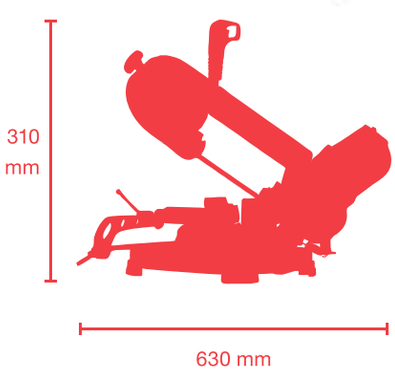
1010 W

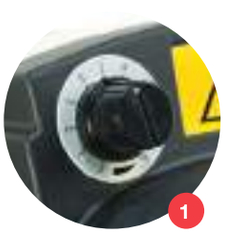
30-80m min

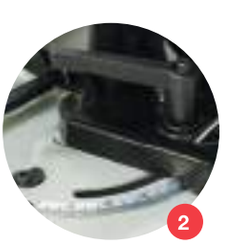
125mm max

0-60°

Designed for sawing all kinds of metal tubes, pipes and profiles up to 125 mm wide. The simple adjustment of vice, cutting angle and sawing speed make this a very practical metal sawing machine for every workshop.







1. Simple speed adjustment with quick guide
2. Wide cutting angle adjustment range

Features

- **Powerful motor**
- **Patent noise reduction system**
- **Digital electronic speed regulator "constant speed"**
- **Double motor protection: amperage limiter, temperature limiter**
- **Chip scraper**
- **Anti-reset safety function**
- **Steady and sturdy steel base**
- **User-friendly vice with clear indicators**
- **Ergonomic handgrip**
- **Adjustable bar stop rod for mass-produced cuts**

Technical data	
Dimensions (lxwxh)	650 x 310 x 450 mm
Weight	20 kg
Motor power	1010 W
Cutting speed	adjustable, 30 - 80m
Cutting angle	adjustable, 0° - 60°
Cutting capacity: at 0°	○ 125mm
	□ 130 x 125mm
at 45°	○ 76mm
	□ 76 x 76mm
at 60°	○ 55mm
	□ 50 x 50mm
Saw band	13 x 0.65 x 1440mm, 10-14 tpi M42 10% Co
Voltage	110-120 V / 220-240 V / 50-60 Hz

Saw accessory

EBS.500 uses:

saw band 13 x 0,65 x 1440 mm, 6-10 tpi (set of 5)

Art. nr.: 500.0001

Discontinued product accessories

EBS.400 uses:

saw band 13 x 0,65 x 1470mm, 10-14 tpi (set of 5)

Art. nr.: 400.0001

Dry cut-off saw 355mm (14")

EDC.140

kg
24

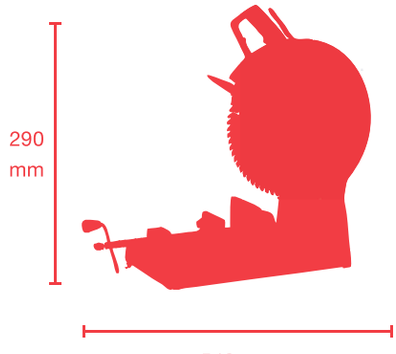
2200 W

min
1300

130mm
max

0-45°

Practicality in its most uncomplicated form. The powerful motor, strong and stable construction and large cutting blade capacity make this metal cutting machine a pleasure to use: easy, fast, reliable and safe.



Features

- **Sturdy base**
- **Predefined bolt-down possibility**
- **Wide-span vise, with swivel clamp and 45° rotation possibility**
- **Large spring-assisted hinge**
- **Durable safety covers**
- **Retracting full blade protection**
- **Adjustable height stop**
- **Large operating handle with mechanical safety lock**
- **Quick-access carbon brush holder**
- **Close & lock safety chain**

Technical data	
Dimensions (lxwxh)	540 x 290 x 410 mm
Weight	24 kg
Motor power	2200 W
Cutting speed (no load)	1300 min^{-1}
Cutting angle	adjustable, 0° - 45°
Bore size	Ø 25,4 mm (1")
Cutting capacity at 0°	○ 130 mm
	□ 120 x 120 (185) mm
Cutting capacity at 45°	○ 105 mm
	□ 90 x 90 (110) mm
Max. Ø saw blade	355 mm
Voltage	110-120 V / 220-240 V / 50-60 Hz

Saw accessory

EDC.140 uses:
saw blade 355 mm (14"), 80 teeth, bore 25,4 mm (1")

Art. nr.: 130.355/80

Dry cut-off saw 355mm (14")

EDC.135

YouTube Watch this machine on: www.youtube.com/euroboorbv

kg **23**

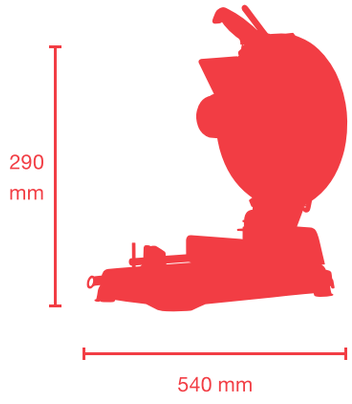
2200 W

min **1300**

Ø **130mm max**

0-45°

Practicality in its most uncomplicated form. The powerful motor, strong and stable construction and large cutting blade capacity make this metal cutting machine a pleasure to use: easy, fast, reliable and safe.



1. Easy carbon brush replacement. Chip shield.
2. Easy blade replacement
3. Adjustable vice 0° - 45°

Features

- **Adjustable vice (0-45°) with quick release function**
- **Easily accessible saw blade lock nut (spanner included)**
- **Retractable blade guard with pull-down protection**
- **Chip shield**
- **External carbon brush replacement**

Technical data		
Dimensions (lxwxh)	610 x 282 x 630 mm	
Weight	23 kg	
Motor power	2200 W	
Cutting speed (no load)	1300 min^{-1}	
Cutting angle	adjustable, 0° - 45°	
Bore size	Ø 25,4 mm (1")	
Cutting capacity at 0°	○	130 mm
	□	120 x 120 (185) mm
Cutting capacity at 45°	○	105 mm
	□	90 x 90 (110) mm
Max. Ø saw blade	355 mm	
Voltage	110-120 V / 220-240 V / 50-60 Hz	

Saw accessory

EDC.135 uses:
saw blade 355 mm (14"), 80 teeth, bore 25,4 mm (1")

Art. nr.: 130.355/80

Circular cut-off saw 230mm (9")

EHC.230/4

9,7 kg

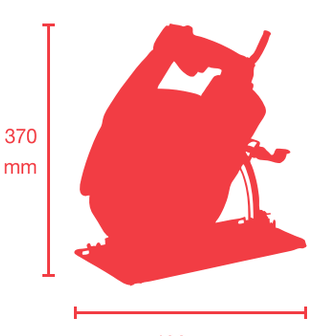
1800 W

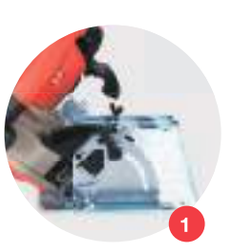
2300 min

83mm max Ø

0-45°

Large-capacity cutting power in compact, handheld form. This powerful, strongly geared sawing machine makes slicing through metal, as thick as 10 mm, easy and safe.





1. Adjustable cutting angle, up to 45°
2. Stable guide plate

Features

- **Excellent ergonomics**
- **Wide and stable guide plate**
- **Integrated cutting length indication**
- **Swivel functionality, up to 45°**
- **Built-in laser indicator**
- **Durable safety covers**
- **Retracting full blade protection**
- **Quick-release chip collector**
- **Quick-access carbon brush holder**

Technical data	
Dimensions (lxwxh)	420 x 210 x 370 mm
Weight	9,7 kg
Motor power	1800 W
Cutting speed (no load)	2300 min^{-1}
Angle adjustment	0 - 45°
Bore size	Ø 25,4 mm (1")
Max. Saw depth 0°	83 mm pipe
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 / 220-240 V / 50-60 Hz

Saw accessory

EHC.230/4 uses:

saw blade 230 mm (9"), 48 teeth, bore 25,4 mm (1")

Art. nr.: 230.0003

Discontinued product accessories

EHC.200 uses:

saw blade 200 mm (8"), 36 teeth, bore 20,0 mm (13/16")

Art. nr.: 2000.0001

EHC.185 uses:

Saw blade 180 mm (7 1/16"), 48 teeth, bore 20 mm (13/16") For stainless steel

Art. nr.: 185.0373

Saw blade 180 mm (7 1/16"), 48 teeth, bore 20 mm (13/16") For aluminium

Art. nr.: 185.0371

Lifting magnets

Euroboor lifting magnets are engineered with top priority on safety and practical use. The special design of the polar surfaces and the properly balanced magnetic masses in both the stator and rotor allow for a highly concentrated magnetic flux at close distance to the lifted object.

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++

Euroboor lifting magnets are designed to lift at least 3 times the suggested weight load. As an example: Generally an ELM.250, rated at 250 kg (550 lbs), will generate a force of at least 8000N. Each and every magnet is tested individually and supplied with a matching certificate as proof of safety.

Model	ELM.125	ELM.250	ELM.500	ELM.1000	ELM.2000
Length (mm)	93	152	246	306	478
Width (mm)	60	100	120	146	165
Height (mm)	120	180	180	236	273
Diameter of eye (cm)	10	16	16	20	20
Weight (kg)	2.6	10	19	38	85
Tested Lifting Capacity	400	800	1600	3200	6200
Workload limit	125	250	500	1000	2000 flat materials (kg)
Workload limit	50	125	250	500	1000 round materials (kg)
ø min/max (mm)	50/100	60/200	65/270	100/300	125/350
Max. working temp (°C)	80	80	80	80	80

Benefits:

- **Suitable for flat and tubular objects**
- **Suitable for rough and finished surfaces**
- **High lifting capacity**
- **Suitable for temperatures up to 80° C**
- **Reliable and consistent performance, also under extreme conditions**
- **Easy handling and operation**
- **Maintenance free**
- **Certified safety**

Lifting magnet mag 2000 kg

ELM.2000

Lifting magnet mag 125 kg

ELM.125

Lifting magnet mag 250 kg

ELM.250

Lifting magnet mag 500 kg

ELM.500

Lifting magnet mag 1000 kg

ELM.1000

Euroboor merchandise

Counter Display

- Compact Annular Cutter counter fisplay
- Can hold 36 items
- Lockable cabinet with rear storage

Utility Knife

- Multi-purpose utility knife
- Patented technology
- Ergonomic grip
- 5 extra blades

Cap

- 100% Cotton
- Stylish design
- Ideal for working or casual wear

Mug

- Branded Coffee Mug
- 330ml (11oz)
- made of pure white porcelain

World wide

With 5 branches throughout the world and many committed distributors. Euroboor is currently serving an increasing amount of over 80 countries, covering all continents. 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 branches. 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 branches, 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 market specialist 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. On top, we add service with a tip of the hat.

Abridged statement of general terms and conditions of Euroboor B.V. in Zoetermeer, the Netherlands

1. General
All our offers, quotations, agreements and their implementations are subject to the general terms and conditions as deposited at the chamber of commerce and industry in the hague. The applicability of all other general terms and conditions, in particular those of the client and/or contractor is explicitly excluded.

2. Quotations
All our quotations are in principle offered without any obligation unless a given period of validity is indicated. All information and/or data provided with the quotation remains our intellectual property.
We cannot be deemed liable for incorrect statement of the information provided with our quotations.

3. Agreements
Agreements, including further commitments and/ or modifications, are only binding following our explicit confirmation or acceptance. In this regard only our records are conclusive. We are entitled to demand sureties in advance as well as engage third parties for the implementation of the agreement.

4. Prices
Our prices are calculated on the basis of purchasing costs and other cost price factors and based on delivery ex-factory/store and exclusive of value added tax, shipping, etc. Changes in prices are explicitly reserved.

5. Deliveries and leadtimes
Deliveries commence in principle on leaving our factory/store. Only those part-deliveries that are designated as such by us are permitted to be free at destination. Delivery times are stated as approximate. Exceeding these times does not give rise to any claims to damages in any event. Cancellation is only permitted after repeatedly (excessively) exceeding the delivery time and following written notice of default by the other party except for force majeure on our part. On receipt the delivered goods must be inspected for damage and defects which must be reported on the delivery and despatch notes. Returns, on our agreement, shall be at the other parties' costs.

6. Transport
Transport packaging is at the cost and risk of the other party, even if the transport documents state otherwise.

7. Force majeure
In the event of force majeure we shall have the right to suspend or dissolve our obligations.

8. Liability
Except for potential indemnity insurance, our liability is limited to the net invoice value of the delivered goods. As regards the remainder, the other party indemnifies us against every claim to damage compensation disregarding the cause.

9. Complaints
Complaints must be reported to us in writing within 8 days of delivery (for invoices this is 8 days following the invoice date), whereupon the other party is bound by the agreement. As regards hidden defects a period of 8 days after detection applies and an ultimate period of 6 months after delivery. Returns may only proceed following our prior written permission.

10. Payment and retention of title
Payment shall be made no later than 30 days after date of invoice into our bank account. Interest at 1.5% Per (part of a) month shall be incurred if this period is exceeded. All further invoicing costs incurred shall be charged to the negligent other party. In the event of late payments, the agreement may be dissolved by us without recourse to the courts, whereupon all our title rights are restored. The extrajudicial collection costs shall be no less than 15% of the total amount owed. Interest and costs of the claims are settled first. Insofar as the other party has not fulfilled its obligations in their entirety, all goods supplied by us which are still with the other party shall remain our (joint) property, which on the introduction of the new dutch civil code has been lost as a non-possessory pledge concerning the goods for our (surety) collateral and that12. Dutch law aplfor the value of what the other party is indebted to us. In the event of resale of (yet) unpaid goods the other party is obliged to cooperate with their assignment.
The other party shall be obliged to draw up a similar retention of title as regards his purchaser.

11. Disputes
Disputes will be submitted to the competent court in our place of business unless we choose otherwise. Dutch law applies.

the Netherlands
(head office)

Russia

China

America

United Arab Emirates

Euroboor worldwide

The **big boys** are in town

DoC
200mm (8")

DIA
200mm (8")

TCT cutters up to 200mm (8") Diameter / 200mm (8") Depth of Cut

Superior quality For a super sharp price

EUROBOOR
FOR PROFESSIONALS BY PROFESSIONALS

annular cutters