

# Portable Industrial Tools **For Professionals**

Exceeding customer expectations since 1977



**Drilling Beveling Grinding Sawing Lifting**



# **EUROBOOR**

FOR PROFESSIONALS BY PROFESSIONALS

Catalog - USA

# Our mission:

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



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# Our vision

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

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

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

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

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



**Focus**



**Quality**



**Efficiency**



**Safety**





## From development, to extensive prototype testing to producing premium tools

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

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



## Sustainability & Ecological awareness

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

## Overview magnetic drilling machines

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

Category	<b>Electric corded - up to 1 9/16"</b>					
Machine	<b>ECO.30<sup>S+</sup></b>	<b>ECO.32<sup>+</sup></b>	<b>ECO.36<sup>+</sup></b> <b>ECO.36<sup>+/T</sup></b>	<b>ECO.40<sup>S+</sup></b>	<b>ECO.40<sup>S+/M</sup></b>	<b>ECO.40<sup>S+/P</sup></b>
Annular cutting	Ø 1 3/16"	Ø 1 1/4"	Ø 1 7/16"	Ø 1 9/16"	Ø 1 9/16"	Ø 1 9/16"
Twist drilling	Ø 1/2" (Weldon)	Ø 1/2"	Ø 9/16" (Weldon)	Ø 5/8"	Ø 5/8"	Ø 5/8"
Countersinking	Ø 1 3/8" (Weldon)	Ø 1 9/16"	Ø 1 9/16" (Weldon)	Ø 1 3/4"	Ø 1 3/4"	Ø 1 3/4"
Tapping	n/a	n/a	1/8" - 1 3/9" (T)	n/a	n/a	n/a
Height	11 9/16" - 15 1/16"	14 9/16" - 20 3/16"	6 1/2"	14 3/16" - 17 5/16"	14 7/16" - 17 5/8"	12 3/8" - 18 5/16"
Weight	18.7 lbs *	24.3 lbs *	22.7 lbs *	23.1 lbs *	26.9 lbs *	27.1 lbs *
Motor power	8.2 A	9.1 A	9.5 A	10.5 A	10.5 A	10.5 A
Spindle (Weldon)	3/4"					
Power source	110 - 120 V / 60 Hz					

Category	<b>Electric corded - up to 8"</b>						
Machine	<b>ECO.50<sup>+/T</sup></b>	<b>ECO.50<sup>S+</sup></b>	<b>ECO.55<sup>S+/T</sup></b> <b>ECO.55<sup>S+/TA</sup></b>	<b>ECO.60<sup>S+</sup></b>	<b>ECO.80<sup>S+</sup></b>	<b>ECO.100<sup>S+/T</sup></b> <b>ECO.100<sup>S+/TD</sup></b> <b>ECO.100<sup>S+/CT2</sup></b>	<b>ECO.200S/T</b>
Annular cutting	Ø 2"	Ø 2"	Ø 2 3/16"	Ø 2 3/8"	Ø 3 1/8"	Ø 4"	Ø 8"
Twist drilling	Ø 15/16"	Ø 15/16"	Ø 15/16"	Ø 15/16"	Ø 1 1/4"	Ø 1 1/4"	Ø 2"
Countersinking	Ø 2 3/16"	Ø 2 3/16"	Ø 2 3/8"	Ø 2 9/16"	Ø 3 3/8"	Ø 4 1/8"	Ø 8 1/16"
Tapping	Ø 1/8" - 13/16"	n/a	1/8" - 13/16"	n/a	n/a	Ø 1/8" - 1 3/16"	Ø 1/8" - 1 7/8"
Height	15 3/16" - 21 1/4"	17 1/2" - 24 3/16"	19 5/16" - 26"	17 13/16" - 24 1/2"	20 1/16" - 27 15/16"	20 1/16" - 27 15/16" (T) 20 1/4" - 28 1/8" (TD) 24 3/16" - 31 1/4" (CT)	25 9/16" - 35 5/8"
Weight	29.8 lbs *	26.5 lbs *	28.4 lbs * (T) 34.8 lbs * (TA)	28.4 lbs *	60.2 lbs *	61.3 lbs * (T) 68.3 lbs * (TD) 121 lbs * (CT)	129 lbs *
Motor power	11.4 A	11.4 A	14.5 A	14.5 A	15.4 A	17.3 A	17 A
Spindle (Weldon)	MT2 3/4"	MT3 3/4"			MT3 1 1/4"		MT4 1 1/4"
Power source	110 - 120 V / 60 Hz						


\* Exclusive power cord/battery and/or handle(s)

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

These + machines benefit from additional features, such as:

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

Category	For pipe or flat surface		Battery operated	
Machine	TUBE.30 <sup>S+</sup>	TUBE.55 <sup>S+/T</sup>	EBM.36 <sup>+LP/P-18V</sup>	EBM.36/P-18V
Annular cutting	Ø 1 3/16"	Ø 2 3/16"	Ø 1 7/16"	
Twist drilling	Ø 1/2" (Weldon)	Ø 15/16"	Ø 1/2" (Weldon)	
Countersinking	Ø 1 3/8"	Ø 2 3/8"	Ø 1 9/16"	
Tapping	n/a	Ø 1/8" - 13/16"	n/a	n/a
Height	12 13/16" - 16 3/8"	20 9/16" - 27 1/4"	6 7/8"	14 9/16" - 16 1/8"
Weight	22.7 lbs *	35.3 lbs *	24.9 lbs *	22.4 lbs *
Motor power	8.2 A	14.6 A	1.000 W	
Spindle (Weldon)	3/4"	MT3 3/4"	3/4"	
Power source	110 - 120 V / 60 Hz		18 V 5 Ah Li-ion, 18 V 9 Ah Li-ion	

Category	Air operated 		Vacuum base	Frame adapter
Machine	TUBE.55/AIR	AIR.55	VAC.50 <sup>S+</sup>	F16 <sup>+</sup>
Annular cutting	Ø 2 1/16" (HSS) Ø 2 3/16" (TCT)	Ø 2 1/16" (HSS) Ø 2 3/16" (TCT)	Ø 1 3/16" (steel and hard metals) Ø 2" (other metals and plastics)	n/a
Twist drilling	Ø 15/16"		Ø 1/2" (steel and hard metals) Ø 15/16" (other metals and plastics)	Ø 5/8" **
Countersinking	Ø 2 3/16"		Ø 2 3/16"	n/a **
Tapping	n/a	n/a	n/a	n/a
Height	24 13/16" - 28 3/4"	24 3/16" - 27 3/4"	16 17/32" - 23 7/32"	12 13/16" - 19 1/2"
Weight	36.8 lbs *	36.4 lbs *	21.8 lbs *	16.5 lbs *
Motor power	n/a	n/a	11.4 A	n/a **
Spindle (Weldon)	MT3 3/4"		3/4"	n/a **
Power source	Air, min. 6.3 bar (90 PSI) 1.1 m³/min		110 - 120 V / 60 Hz	

\*\* Hand drill dependable

# Euroboor magnetic drilling machines



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

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

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

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

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

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





# Safety features explained

## Magnet LED-indicator



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



**SENSORTEC**

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

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

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

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

## Gyro-Tec safety



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

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

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

## Integrated motor cable

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



## 2-way magnet



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

## Power protection

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

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

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

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

### Power fluctuation protection



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

### Power surge protection



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

### Overload protection



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

### Smart Restart



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

### Overheat protection



To prevent damage, machines with this feature are equipped with a sensor which will shut off the motor automatically when the temperature of the field coil exceeds 210°F - 220°F.

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



## Carbon brushes

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

### Carbon brush wear indicator

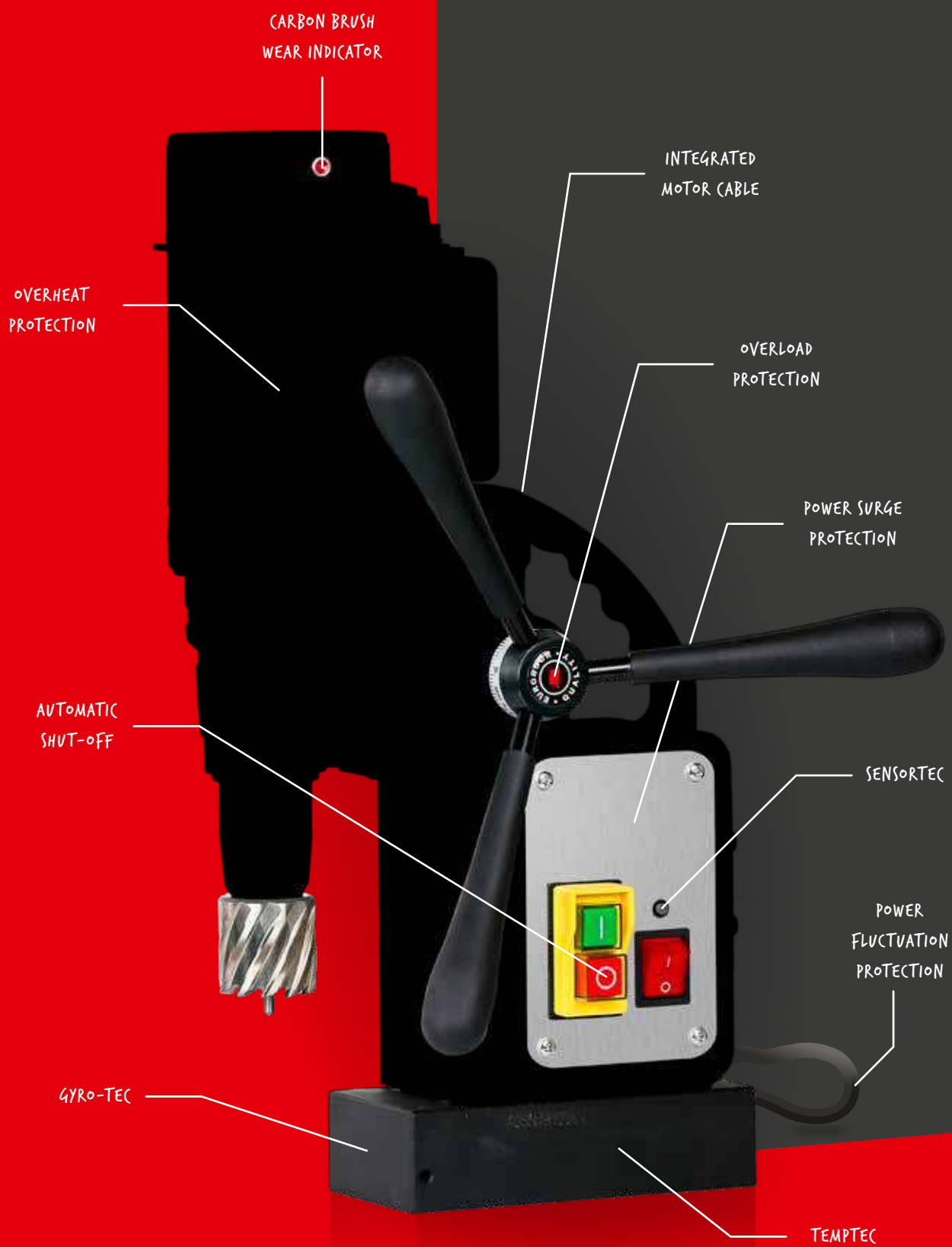


On the motor housing you will find an integrated LED light. Under normal circumstances this light is off. The LED light will start burning **RED** when the carbon brushes are worn to a level where it is advised to replace them.

### Automatic shut-off



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



# ECO.30S+



Watch our machines in action on:  
[www.youtube.com/euroboorbv](http://www.youtube.com/euroboorbv)



## Technical data

Annular cutting	Ø 7/16" - 1 3/16"
Twist drilling (Weldon)	Ø 1/16" - 1/2"
Countersinking (Weldon)	Ø 3/8" - 1 3/8"
Length	10 13/16"
Width	7 1/2"
Height	11 9/16" - 15 1/16"
Stroke	3 9/16"
Weight*	18.7 lbs
Magnet (l x w x h)	6 5/16" x 3 1/8" x 1 7/16"
Magnetic force	2,645 lbs
Motor power	8.2 A
Total power	8.6 A
Speed (no load)	I 775 rpm
Speed (load 900 W)	I 400 rpm
Spindle (Weldon)	3/4"
Voltage	110 - 120 V / 60 Hz

\*Exclusive power cord and handles



## Benefits

- Lightest Ø 1 3/16" magnetic drilling machine:
  - Most compact in class
  - Incredibly easy to handle
- Direct spindle drive and integrated tool cooling and lubrication
- Integrated slide for:
  - High accuracy
  - Enlarged lifecycle
  - Minimal vibration
- High-precision height adjustment for:
  - Low maintenance
  - Minimal wear correction
- Strong dual coil CNC machined 2-way magnet, causing the machine to use less energy, generate less heat and therefore lasts longer
- Reversible handles: to enable you to change the operation side of the feed handles in confined spaces
- Reduced risk of damaging machine, tools and workpiece and hurting operator
- Suitable for use in areas and workplaces where power supply is of less quality
- Reduced risk of armature damage
- Reduced risk of control unit(s) damage
- Timely service notification to avoid additional cost by unexpected downtime or unnecessary part replacement

## Features



Power surge protection



Power fluctuation protection



Gyro-Tec



Automatic shut-off



Oil lubricated gearbox



Carbon brush wear indicator



2-way magnet (TempTec)



18.7 weight

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



# ECO.32+



Watch our machines in action on:  
[www.youtube.com/euroboorbv](http://www.youtube.com/euroboorbv)



## Technical data

Annular cutting	Ø 7/16" - 1 1/4"
Twist drilling	Ø 1/16" - 1/2"
Countersinking	Ø 3/8" - 1 9/16"
Length	12 5/8"
Width	8 1/4"
Height	14 9/16" - 20 3/16"
Stroke	5 15/16"
Weight*	24.3 lbs
Magnet (l x w x h)	6 5/16" x 3 1/8" x 1 5/8"
Magnetic force	3,305 lbs
Motor power	9.1 A
Total power	9.5 A
Speed (no load)	I 775 rpm
Speed (load 1,000 W)	I 440 rpm
Spindle (Weldon)	3/4"
Voltage	110 - 120 V / 60 Hz

\*Exclusive power cord and handles



## Benefits

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

## Features



Power surge protection



Power fluctuation protection



Gyro-Tec



Automatic shut-off



Carbon brush wear indicator



2-way magnet (TempTec)



Magnet LED-indicator (SensorTec)



# ECO.40S+



Watch our machines in action on:  
[www.youtube.com/euroboorbv](http://www.youtube.com/euroboorbv)



## Technical data

Annular cutting	Ø 7/16" - 1 9/16"
Twist drilling	Ø 1/16" - 5/8"
Countersinking	Ø 3/8" - 1 3/4"
Length	10 3/8"
Width	7 1/16"
Height	14 3/16" - 17 5/16"
Stroke	5 11/16"
Weight*	23.1 lbs
Magnet (l x w x h)	6 5/16" x 3 1/8" x 1 5/8"
Magnetic force	3,305 lbs
Motor power	10.5 A
Total power	10.9 A
Speed (no load)	I 600 rpm
Speed (load 10.5 A)	I 380 rpm
Spindle (Weldon)	3/4"
Voltage	110 - 120 V / 60 Hz

\*Exclusive power cord and handles

## Benefits

- Lightest Ø 1 9/16" magnetic drilling machine
- Fits cutters up to 4 5/16" DoC
- High-efficiency motor with less heat generation
- High-accuracy capstan hub
- Direct spindle drive and integrated tool cooling and lubrication
- Integrated slide for:
  - High accuracy
  - Enlarged lifecycle
  - Minimal vibration
- High-precision height adjustment for:
  - Low maintenance
  - Minimal wear correction
- Strong dual coil CNC machined 2-way magnet, causing the machine to use less energy, generate less heat and therefore lasts longer
- Reduced risk of damaging machine, tools and workpiece and hurting operator
- Suitable for use in areas and workplaces where power supply is of less quality
- Reduced risk of armature damage
- Reduced risk of control unit(s) damage
- Timely service notification to avoid additional cost by unexpected downtime or unnecessary part replacement
- Reversible handles: to enable you to change the operation side of the feed handles in confined spaces

## Features



Power surge protection



Power fluctuation protection



Gyro-Tec



Integrated motor cable



Automatic shut-off



Oil lubricated gearbox



Carbon brush wear indicator



2-way magnet (TempTec)



Magnet LED-indicator (SensorTec)

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



# ECO.40S+/M



Watch our machines in action on:  
[www.youtube.com/euroboorbv](http://www.youtube.com/euroboorbv)

## Technical data

Annular cutting	Ø 7/16" - 1 9/16"
Twist drilling	Ø 1/16" - 5/8"
Countersinking	Ø 3/8" - 1 3/4"
Length	10 3/8"
Width	7 1/16"
Height	14 7/16" - 17 5/8"
Stroke	5 11/16"
Weight*	26.9 lbs
Magnet (l x w x h)	6 5/8" x 3 5/16" x 1 15/16"
Magnetic force	4,079 lbs
Motor power	10.5 A
Total power	10.9 A
Speed (no load)	I 600 rpm
Speed (load 10.5 A)	I 380 rpm
Spindle (Weldon)	3/4"
Voltage	110 - 120 V / 60 Hz

\*Exclusive power cord and handles



## Benefits

- Fits cutters up to 4 5/16" DoC
- High-efficiency motor with less heat generation
- High-accuracy capstan hub
- Direct spindle drive and integrated tool cooling and lubrication
- Integrated slide for:
  - High accuracy
  - Enlarged lifecycle
  - Minimal vibration
- High-precision height adjustment for:
  - Low maintenance
  - Minimal wear correction
- Bigger and stronger dual coil CNC machined 2-way magnet, causing the machine to use less energy, generate less heat and therefore lasts longer
- Reduced risk of damaging machine, tools and workpiece and hurting operator
- Suitable for use in areas and workplaces where power supply is of less quality
- Reduced risk of armature damage
- Reduced risk of control unit(s) damage
- Timely service notification to avoid additional cost by unexpected downtime or unnecessary part replacement
- Reversible handles: to enable you to change the operation side of the feed handles in confined spaces

**Larger magnet for power through paint, epoxy or rust.**  
"Bridge Drill"

## Features



Power surge protection



Power fluctuation protection



Gyro-Tec



Integrated motor cable



Automatic shut-off



Oil lubricated gearbox



Carbon brush wear indicator



2-way magnet (TempTec)



Magnet LED-indicator (SensorTec)

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



# ECO.40S+/P



Watch our machines in action on:  
[www.youtube.com/euroboorbv](http://www.youtube.com/euroboorbv)



## Technical data

Annular cutting	Ø 7/16" - 1 9/16"
Twist drilling	Ø 1/16" - 5/8"
Countersinking	Ø 3/8" - 1 3/4"
Length	14 5/16"
Width	7 1/16"
Height	12 3/8" - 18 5/16"
Stroke	5 7/8"
Weight*	27.1 lbs
Magnet (l x w x h)	7 3/16" x 3 3/4" x 1 3/4"
Magnetic force	1984 lbs
Motor power	10.5 A
Total power	10.5 A
Speed (no load)	I 600 rpm
Speed (load 1,150 W)	I 380 rpm
Spindle (Weldon)	3/4"
Voltage	110 - 120 V / 60 Hz

\*Exclusive power cord and handles



## Benefits

- Lightest Ø 1 9/16" magnetic drilling machine
- Fits cutters up to 4 5/16" DoC
- High-efficiency motor with less heat generation
- High-accuracy capstan hub
- Direct spindle drive and integrated tool cooling and lubrication
- Integrated slide for:
  - High accuracy
  - Enlarged lifecycle
  - Minimal vibration
- High-precision height adjustment for:
  - Low maintenance
  - Minimal wear correction
- Reduced risk of damaging machine, tools and workpiece and hurting operator
- Suitable for use in areas and workplaces where power supply is of less quality
- Reduced risk of armature damage
- Reduced risk of control unit(s) damage
- Timely service notification to avoid additional cost by unexpected downtime or unnecessary part replacement
- Reversible handles: to enable you to change the operation side of the feed handles in confined spaces

## Magnet benefits

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

## Features



Power surge protection



Power fluctuation protection



Gyro-Tec



Integrated motor cable



Automatic shut-off



Oil lubricated gearbox



Carbon brush wear indicator



Permanent magnet



Magnet LED-indicator (SensorTec)

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



# ECO.50+ / T



Watch our machines in action on:  
[www.youtube.com/euroboorbv](http://www.youtube.com/euroboorbv)



## Technical data

Annular cutting	Ø 7/16" - 2"
Twist drilling	Ø 1/16" - 15/16"
Countersinking	Ø 3/8" - 2 3/16"
Tapping	Ø 1/8" - 13/16"
Length	12 5/8"
Width	8 1/4"
Height	15 3/16" - 21 1/4"
Stroke	6 11/16"
Weight*	29.8 lbs
Magnet (l x w x h)	6 11/16" x 3 3/8" x 1 7/8"
Magnetic force	4,080 lbs
Motor power	11.4 A
Total power	12.5 A
Speed (no load)	I 100 - 280 rpm II 185 - 530 rpm
Speed (load 11.4 A)	I 250 rpm II 460 rpm
Spindle (Weldon)	MT2 3/4"
Voltage	110 - 120 V / 60 Hz

\*Exclusive power cord and handles



## Benefits

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

## Features



Adjustable speed



R/L rotation



Overload protection



Overheat protection



Power surge protection



Power fluctuation protection



Gyro-Tec



Automatic shut-off



Smart Restart



Carbon brush wear indicator



Magnet LED-indicator (SensorTec)



2-way magnet (TempTec)



Tapping

# ECO.50S+



Watch our machines in action on:  
[www.youtube.com/euroboorbv](http://www.youtube.com/euroboorbv)



## Technical data

Annular cutting	Ø 7/16" - 2"
Twist drilling	Ø 1/16" - 15/16"
Countersinking	Ø 3/8" - 2 3/16"
Length	12 5/8"
Width	7 7/8"
Height	17 1/2" - 24 3/16"
Stroke	6 11/16"
Weight*	26.5 lbs
Magnet (l x w x h)	6 5/16" x 3 1/8" x 1 5/8"
Magnetic force	3,750 lbs
Motor power	11.4 A
Total power	11.8 A
Speed (no load)	I 380 rpm
	II 690 rpm
Speed (load 11.4 A)	I 235 rpm
	II 415 rpm
Spindle (Weldon)	MT3 3/4"
Voltage	110 - 120 V / 60 Hz

\*Exclusive power cord and handles



## Benefits

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

## Features



Overheat protection



Power surge protection



Power fluctuation protection



Gyro-Tec



Automatic shut-off



Oil lubricated gearbox



Carbon brush wear indicator



2-way magnet (TempTec)



Magnet LED-indicator (SensorTec)

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









# Drilling as efficiently as you possibly can!

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





## Top features

**LED load indicators and digital display with Smart Restart technology**

**Easily accessible carbon brushes**

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

**Oil lubricated gearbox**

Maximum lubrication

**Integrated slide and gearbox system**

- High accuracy
- Sturdy design enlarges lifecycle
- Minimal vibration

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

**Z-profile guide rails**

Maximum contact surface

**Clear and easy controls**


With RPM dial and right/left rotation functionality




### LED load indicators

- |   |   |
|---|---|
| 1. Machine is on.<br>No load.             | 2. Start drilling.<br>Ideal working load. |
| 3. When drilling.<br>Acceptable overload. | 4. Close to overload.<br>Reduce pressure. |

### \* Smart Restart

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

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

# ECO.55S+/T



Watch our machines in action on:  
[www.youtube.com/euroboorbv](http://www.youtube.com/euroboorbv)



## Technical data

Annular cutting	Ø 7/16" - 2 3/16"
Twist drilling	Ø 1/16" - 15/16"
Countersinking	Ø 3/8" - 2 3/8"
Tapping	Ø 1/8" - 13/16"
Length	12 5/8"
Width	7 7/8"
Height	19 5/16" - 26"
Stroke	6 11/16"
Weight*	28,4 lbs
Magnet (l x w x h)	6 5/8" x 3 5/16" x 1 15/16"
Magnetic force	4.080 lbs
Motor power	14.5 A
Total power	15.4 A
Speed (no load)	I 60 - 275 rpm
	II 100 - 500 rpm
Speed (load 14.5 A)	I 60 - 275 rpm
	II 100 - 500 rpm
Spindle (Weldon)	MT3 3/4"
Voltage	110 - 120 V / 60 Hz

\*Exclusive power cord and handles



## Benefits

- Easily accessible carbon brushes. Motor will automatically shut-off in case of replacement
- High-accuracy capstan hub
- Morse Taper 3 spindle with integrated tool cooling and lubrication
- Integrated slide for:
  - High accuracy
  - Enlarged lifecycle
  - Minimal vibration
- High-precision height adjustment for:
  - Low maintenance
  - Minimal wear correction
- Strong dual coil CNC machined 2-way magnet causing the machine to use less energy, generate less heat and therefore lasts longer
- Reduced risk of damaging machine, tools and workpiece and hurting operator
- Suitable for use in areas and workplaces where power supply is of less quality
- Reduced risk of armature damage
- Reduced risk of control unit(s) damage
- Timely service notification to avoid additional cost by unexpected downtime or unnecessary part replacement
- Also available with permanent TUBE magnet for both pipe and flat material (page. 33)

## Features



Adjustable speed



R/L rotation



Overload protection



Overheat protection



Power surge protection



Power fluctuation protection



Gyro-Tec



Automatic shut-off



Smart Restart



Oil lubricated gearbox



Digital display



Carbon brush wear indicator



LED load indicators



2-way magnet (TempTec)



Magnet LED-indicator (SensorTec)



Tapping

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



# ECO.55S+/TA



Watch our machines in action on:  
[www.youtube.com/euroboorbv](http://www.youtube.com/euroboorbv)



## Technical data

Annular cutting	Ø 7/16" - 2 3/16"
Twist drilling	Ø 1/16" - 15/16"
Countersinking	Ø 3/8" - 2 3/8"
Tapping	Ø 1/8" - 13/16"
Length	13 9/16"
Width	12"
Height	19 5/16" - 26"
Stroke	6 11/16"
Weight*	34.8 lbs
Magnet (l x w x h)	6 5/8" x 3 5/16" x 1 15/16"
Magnetic force	4,080 lbs
Motor power	14.5 A
Total power	15.4 A
Speed (no load)	I 60 - 275 rpm
	II 100 - 500 rpm
Speed (load 14.5 A)	I 60 - 275 rpm
	II 100 - 500 rpm
Spindle (Weldon)	MT3 3/4"
Voltage	110 - 120 V / 60 Hz

\*Exclusive power cord and handles



## Benefits

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

## Features



Adjustable speed



R/L rotation



Overload protection



Overheat protection



Power surge protection



Power fluctuation protection



Gyro-Tec



Automatic shut-off



Smart Restart



Oil lubricated gearbox



Digital display



Carbon brush wear indicator



LED load indicators



2-way magnet (TempTec)



Magnet LED-indicator (SensorTec)



Auto feed and return for cutters



Tapping

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





# ECO.60S+



Watch our machines in action on:  
[www.youtube.com/euroboorbv](http://www.youtube.com/euroboorbv)



## Technical data

Annular cutting	Ø 7/16" - 2 3/8"
Twist drilling	Ø 1/16" - 15/16"
Countersinking	Ø 3/8" - 2 9/16"
Length	12 5/8"
Width	7 7/8"
Height	17 13/16" - 24 1/2"
Stroke	6 11/16"
Weight*	28.4 lbs
Magnet (l x w x h)	6 5/8" x 3 5/16" x 1 5/16"
Magnetic force	4,080 lbs
Motor power	14.5 A
Total power	15.4 A
Speed (no load)	I 60 - 275 rpm
	II 100 - 500 rpm
Speed (load 14.5 A)	I 60 - 275 rpm
	II 100 - 500 rpm
Spindle (Weldon)	MT3 3/4"
Voltage	110 - 120 V / 60 Hz

\*Exclusive power cord and handles



## Benefits

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

## Features



Adjustable speed



Overload protection



Overheat protection



Power surge protection



Power fluctuation protection



Gyro-Tec



Automatic shut-off



Smart Restart



Oil lubricated gearbox



Carbon brush wear indicator



2-way magnet (TempTec)



Magnet LED-indicator (SensorTec)

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



# ECO.80S+



Watch our machines in action on:  
[www.youtube.com/euroboorbv](http://www.youtube.com/euroboorbv)



## Technical data

Annular cutting	Ø 7/16" - 3 1/8"
Twist drilling	Ø 1/16" - 1 1/4"
Countersinking	Ø 3/8" - 3 3/8"
Length	14 3/8"
Width	12 3/16"
Height	20 1/16" - 27 15/16"
Stroke	10 1/4"
Weight*	60.2 lbs
Magnet (l x w x h)	8 11/16" x 4 5/16" x 2 1/2"
Magnetic force	6,615 lbs
Motor power	15.4 A
Total power	16.4 A
Speed (no load)	I 200 rpm
	II 300 rpm
	III 415 rpm
	IV 650 rpm
Speed (load 15.4 A)	I 150 rpm
	II 200 rpm
	III 275 rpm
	IV 400 rpm
Spindle (Weldon)	MT3 1 1/4"
Voltage	110 - 120 V / 60 Hz

\*Exclusive power cord and handles



## Benefits

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

## Features



Overload protection



Overheat protection



Power surge protection



Power fluctuation protection



Gyro-Tec



Automatic shut-off



Smart Restart



Oil lubricated gearbox



Carbon brush wear indicator



2-way magnet (TempTec)



Magnet LED-indicator (SensorTec)

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



# ECO.100S+/T



Watch our machines in action on:  
[www.youtube.com/euroboorbv](http://www.youtube.com/euroboorbv)



## Technical data

Annular cutting	Ø 7/16" - 4"
Twist drilling	Ø 1/16" - 1 1/4"
Countersinking	Ø 3/8" - 4 1/8"
Tapping	Ø 1/8" - 1 3/16"
Length	14 3/8"
Width	12 3/16"
Height	20 1/16" - 27 15/16"
Stroke	10 1/4"
Weight*	61.3 lbs
Magnet (l x w x h)	8 11/16" x 4 5/16" x 2 1/2"
Magnetic force	6,615 lbs
Motor power	17.3 A
Total power	18.6 A
Speed (no load)	I 42 - 110 rpm
	II 65 - 190 rpm
	III 140 - 400 rpm
	IV 220 - 620 rpm
Speed (load 17.3 A)	I 85 rpm
	II 152 rpm
	III 270 rpm
	IV 480 rpm
Spindle (Weldon)	MT3 1 1/4"
Voltage	110 - 120 V / 60 Hz

\*Exclusive power cord and handles



## Benefits

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

## Features



Adjustable speed



Torque control



R/L rotation



Overload protection



Overheat protection



Power surge protection



Power fluctuation protection



Gyro-Tec



Automatic shut-off



Smart Restart



Oil lubricated gearbox



Carbon brush wear indicator



2-way magnet (TempTec)



Magnet LED-indicator (SensorTec)



Tapping

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



# ECO.100S+/TD



Watch our machines in action on:  
[www.youtube.com/euroboorbv](http://www.youtube.com/euroboorbv)



## Technical data

Annular cutting	Ø 7/16" - 4"
Twist drilling	Ø 1/16" - 1 1/4"
Countersinking	Ø 3/8" - 4 1/8"
Tapping	Ø 1/8" - 1 3/16"
Length	14 3/8"
Width	12 3/16"
Height	20 1/4" - 28 1/8"
Stroke	10 1/4"
Weight*	68,3 lbs
Magnet (l x w x h)	8 11/16" x 4 5/16" x 2 1/2"
Magnetic force	6.615 lbs
Motor power	17,3 A
Total power	18,6 A
Speed (no load)	I 42 - 110 rpm
	II 65 - 190 rpm
	III 140 - 400 rpm
	IV 220 - 620 rpm
Speed (load 17.3 A)	I 85 rpm
	II 152 rpm
	III 270 rpm
	IV 480 rpm
Spindle (Weldon)	MT3 1 1/4"
Voltage	110 - 120 V / 60 Hz

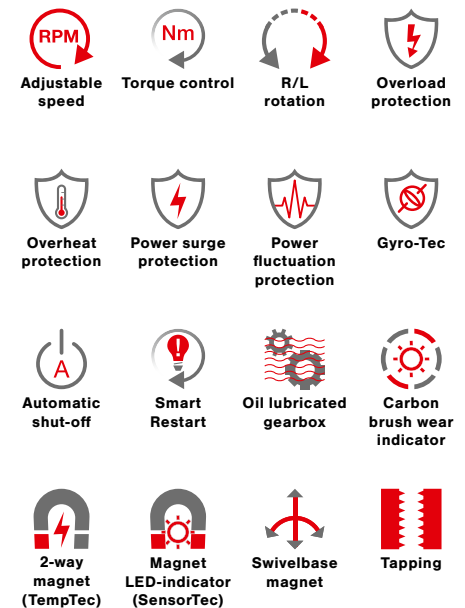
\*Exclusive power cord and handles



## Benefits

- Precise positioning swivel base, rotate the machine 30° both ways and slide 9/16" - 13/16" forward and backwards
- Morse Taper 3 spindle with integrated tool cooling and lubrication
- Strong dual coil CNC machined 2-way magnet, causing the machine to use less energy, generate less heat and therefore lasts longer
- Reduced risk of damaging machine, tools and workpiece and hurting operator
- Suitable for use in areas and workplaces where power supply is of less quality
- Reduced risk of armature damage
- Reduced risk of control unit(s) damage
- Timely service notification to avoid additional cost by unexpected downtime or unnecessary part replacement

## Features



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



# ECO.100S+/CT2



Watch our machines in action on:  
[www.youtube.com/euroboorbv](http://www.youtube.com/euroboorbv)



## Technical data

Annular cutting	Ø 7/16" - 4"
Twist drilling	Ø 1/16" - 1 1/4"
Countersinking	Ø 3/8" - 4 1/8"
Tapping	Ø 1/8" - 1 3/16"
Milling	Ø 9/16"
Length	19 9/16"
Width	14 3/4"
Height	24 3/16" - 31 1/4"
Stroke	10 1/4"
Travel distance	X-axis 4 5/16" Y-axis 4 3/4"
Weight*	121 lbs
Magnet (l x w x h)	8 11/16" x 8 11/16" x 2 1/2"
Magnetic force	9,700 lbs
Motor power	17.3 A
Total power	18.6 A
Speed (no load)	I 42 - 110 rpm
	II 65 - 190 rpm
	III 140 - 400 rpm
	IV 220 - 620 rpm
Speed (load 17.3 A)	I 42 rpm
	II 65 rpm
	III 140 rpm
	IV 220 rpm
Spindle (Weldon)	MT3 1 1/4"
Voltage	110 - 120 V / 60 Hz

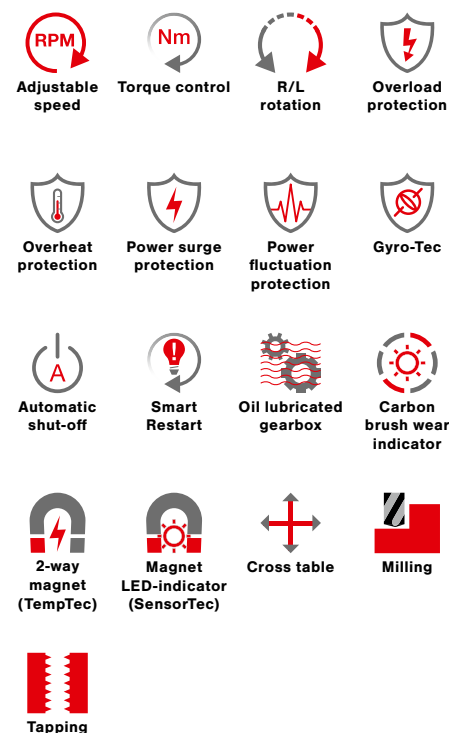
\*Exclusive power cord and handles



## Benefits

- Cross Table base to give dynamic positioning during drilling procedure over a range of 4 5/16" (x-axis) and 4 3/4" (y-axis)
- Milling feature to create slots and work on complex workpieces
- The spindle, secured by a threaded retaining ring, ensures the strongest coupling to the motor, minimizing play during demanding operations (like milling) and enhancing accuracy
- Switch to Tapping to create perfectly centered threads, while machine stays fixed on workpiece
- Strong dual coil CNC machined 2-way magnet, causing the machine to use less energy, generate less heat and therefore lasts longer
- Advanced safety features to reduce the risks of damaging the machine, tools, workpiece, armature, control unit(s) or hurting the operator
- Morse Taper 3 spindle with integrated tool cooling and lubrication
- Suitable for use in areas and workplaces where power supply is of less quality
- Timely service notification to avoid additional costs of unexpected downtime or unnecessary part replacement

## Features



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





# ECO.200S/T



Watch our machines in action on:  
[www.youtube.com/euroboorbv](http://www.youtube.com/euroboorbv)



## Technical data

Annular cutting	Ø 7/16" - 8"
Twist drilling	Ø 1/16" - 2"
Countersinking	Ø 3/8" - 8 1/16"
Tapping	Ø 1/8" - 1 7/8"
Length	20 1/4"
Width	10 7/16"
Height	25 9/16" - 35 5/8"
Stroke	10 1/16"
Weight*	129 lbs
Magnet (l x w x h)	13 3/4" x 4 15/16" x 2 9/16"
Magnetic force	8,113 lbs
Motor power	2,600 W (220 V)
Total power	17 A (110 V) 2,750 W (220 V)
Speed (no load)	I 40 - 80 rpm
	II 60 - 125 rpm
	III 145 - 300 rpm
	IV 230 - 470 rpm
Speed (load 23.6 A)	I 29 - 75 rpm
	II 46 - 120 rpm
	III 110 - 285 rpm
	IV 174 - 452 rpm
Spindle (Weldon)	MT4 1 1/4"
Voltage	110 - 120 V / 60 Hz
	220 - 240 V / 50 - 60 Hz

\*Exclusive power cord and handles



## Benefits

- Four-speed gearbox
- Integrated tool cooling and lubrication tank and fluid level indication
- Integrated safety strap and lifting shackle
- Progressive feed assist
- Morse Taper 4 spindle
- Strong triple coil CNC machined magnet
- Brushless technology

## Features



Adjustable  
speed



R/L  
rotation



Overload  
protection



Overheat  
protection



Power surge  
protection



Power  
fluctuation  
protection



Gyro-Tec



Integrated  
motor cable



Brushless  
motor



Oil lubricated  
gearbox



Magnet  
LED-Indicator  
(SensorTec)



Tapping

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



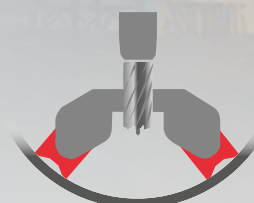
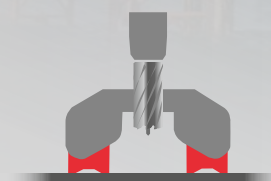
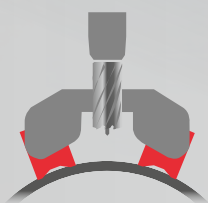


# Unique design, unique usage

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

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

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



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

#### Safe

Magnets do not require electrical power.

#### Light

The machines are extremely light.  
TUBE.30s+ - 22.7 lbs  
TUBE.55s+/T - 35.3 lbs  
TUBE.55/AIR - 36.8 lbs

#### Strong

Maintains strong grip on thin steel. Minimal thickness of 1/8".

#### Easy to use

Automatically conform to any pipe Ø 3" or larger in diameter.

#### Efficient

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



# TUBE.30S+



Watch our machines in action on:  
[www.youtube.com/euroboorbv](http://www.youtube.com/euroboorbv)



## Technical data

Annular cutting	Ø 7/16" - 1 3/16"
Twist drilling (Weldon)	Ø 1/16" - 1/2"
Countersinking (Weldon)	Ø 3/8" - 1 3/8"
Length	10 13/16"
Width	7 1/4"
Height	12 13/16" - 16 3/8"
Stroke	3 9/16"
Weight*	22.7 lbs
Magnet (l x w x h)	7 3/8" x 6 1/2" x 3 1/4"
Magnetic force	1,175 lbs
Min. material thickness	1/8"
Min. pipe diameter	3"
Motor power	8.2 A
Total power	8.6 A
Speed (no load)	I 775 rpm
Speed (load 8.2 A)	I 400 rpm
Spindle (Weldon)	3/4"
Voltage	110 - 120 V / 60 Hz

\*Exclusive power cord and handles

## Benefits

- The magnets can be adjusted for the best position on round and flat surfaces
- High-accuracy capstan hub
- Direct spindle drive and integrated tool cooling and lubrication
- Integrated slide for:
  - High accuracy
  - Enlarged lifecycle
  - Minimal vibration
- High-precision height adjustment for:
  - Low maintenance
  - Minimal wear correction
- Reversible handles: to enable you to change the operation side of the feed handles in confined spaces
- Reduced risk of damaging machine, tools and workpiece and hurting operator
- Suitable for use in areas and workplaces where power supply is of less quality
- Reduced risk of armature damage
- Reduced risk of control unit(s) damage
- Timely service notification to avoid additional cost by unexpected downtime or unnecessary part replacement
- Also available with electromagnetic magnet (page. 12)

## Features



Power surge protection



Power fluctuation protection



Gyro-Tec



Automatic shut-off



Oil lubricated gearbox



Carbon brush wear indicator



Permanent magnet

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



# TUBE.55S+/T



Watch our machines in action on:  
[www.youtube.com/euroboorbv](http://www.youtube.com/euroboorbv)



## Technical data

Annular cutting	Ø 7/16" - 2 3/16"
Twist drilling	Ø 1/16" - 15/16"
Countersinking	Ø 3/8" - 2 3/8"
Tapping	Ø 1/8" - 13/16"
Length	12 5/8"
Width	8 1/4"
Height	20 9/16" - 27 1/4"
Stroke	6 11/16"
Weight*	35.3 lbs
Magnet (l x w x h)	10 13/16" x 7 1/2" x 3 9/16"
Magnetic force	1,984 lbs
Full saturation as from	1/2"
Min. material thickness	1/8"
Min. pipe diameter	3 1/8"
Motor power	14.6 A
Total power	15.4 A
Speed (no load)	I 60 - 275 rpm
	II 100 - 500 rpm
Speed (load 14.6 A)	I 60 - 275 rpm
	II 100 - 500 rpm
Spindle (Weldon)	MT3 3/4"
Voltage	110 - 120 V / 60 Hz

\*Exclusive power cord and handles

## Benefits

- The magnets can be adjusted for the best position on round and flat surfaces
- Easily accessible carbon brushes. Motor will automatically shut-off in case of replacement
- High-accuracy capstan hub
- Morse Taper 3 spindle with integrated tool cooling and lubrication
- Integrated slide for:
  - High accuracy
  - Enlarged lifecycle
  - Minimal vibration
- High-precision height adjustment for:
  - Low maintenance
  - Minimal wear correction
- Reduced risk of damaging machine, tools and workpiece and hurting operator
- Suitable for use in areas and workplaces where power supply is of less quality
- Reduced risk of armature damage
- Reduced risk of control unit(s) damage
- Timely service notification to avoid additional cost by unexpected downtime or unnecessary part replacement
- Also available with electromagnetic magnet (page. 22)

## Features



Adjustable speed



R/L rotation



Overload protection



Overheat protection



Power surge protection



Power fluctuation protection



Gyro-Tec



Automatic shut-off



Oil lubricated gearbox



Digital display



Carbon brush wear indicator



LED load indicators



Permanent magnet



Tapping

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





# TUBE.55/AIR



Watch our machines in action on:  
[www.youtube.com/euroboorbv](http://www.youtube.com/euroboorbv)



## Technical data

Annular cutting	Ø 7/16" - 2 1/16" (HSS) Ø 7/16" - 2 3/16" (TCT)
Twist drilling	Ø 1/16" - 15/16"
Countersinking	Ø 7/16" - 2 3/16"
Length	13 9/16"
Width	9 5/8"
Height	24 13/16" - 28 3/4"
Stroke	6 9/16"
Weight*	36.8 lbs
Magnet (l x w x h)	10 13/16" x 7 1/2" x 3 9/16"
Magnetic force	1,984 lbs
Full saturation as from	1/2"
Min. material thickness	1/8"
Min. pipe diameter	3 1/8"
Speed (no load)	380 rpm
Spindle (Weldon)	MT3 3/4"
Power source	Air, min. 6.3 bar (90 PSI), max. 8 bar, consumption 1.1 m³/min

\*Exclusive handles

## Benefits

- Air-powered motor system
- The magnets can be adjusted for the best position on round and flat surfaces
- Powerful, spark-free, explosion-safe motor
- Large 6 9/16" stroke
- Automatic, integrated lubrication and cooling system
- Anti-static construction
- Also available with permanent base magnet (page. 35)

## Magnet benefits

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

## Features



Permanent  
magnet



Air motor:  
min 6.3 bar  
(90 PSI)



Atex



# AIR.55



Watch our machines in action on:  
[www.youtube.com/euroboorbv](http://www.youtube.com/euroboorbv)



## Technical data

Annular cutting	Ø 7/16" - 2 1/16" (HSS) Ø 7/16" - 2 3/16" (TCT)
Twist drilling	Ø 1/16" - 15/16"
Countersinking	Ø 7/16" - 2 3/16"
Length	14 15/16"
Width	9 5/8"
Height	24 3/16" - 27 3/4"
Stroke	6 9/16"
Weight*	36.4 lbs
Magnet (l x w x h)	7 3/16" x 3 15/16" x 2 3/16"
Magnetic force	1,984 lbs
Speed (no load)	380 rpm
Spindle (Weldon)	MT3 3/4"
Power source	Air, min. 6.3 bar (90 PSI), max. 8 bar, consumption 1.1 m³/min

\*Exclusive handles



## Benefits

- Air-powered motor system
- Powerful, spark-free, explosion-safe motor
- Single operation knob for magnet and motor with 'deadman's' control
- Large 6 9/16" stroke
- Automatic, integrated lubrication and cooling system
- Anti-static construction
- Safety guard
- Also available with permanent tube magnet for both pipe and flat material (page. 34)

## Magnet benefits

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

## Features



Permanent  
magnet



Air motor:  
min 6.3 bar  
(90 PSI)



Atex

# ECO.36+



Watch our machines in action on:  
[www.youtube.com/euroboorbv](http://www.youtube.com/euroboorbv)



## Technical data

Annular cutting	Ø 7/16" - 1 7/16"
Twist drilling (Weldon)	Ø 1/16" - 9/16"
Countersinking (Weldon)	Ø 3/8" - 1 9/16"
In-corner drilling	0° 2" center to edge
	90° 2 1/16" center to edge
	45° 2 3/8" center to edge
Length	12 3/16"
Width	5 5/16"
Height	6 1/2"
Stroke	1 9/16"
Weight*	22.7 lbs
Magnet (l x w x h)	6 5/16" x 3 1/8" x 1 7/16"
Magnetic force	2,645 lbs
Motor power	9.5 A
Total power	10 A
Speed (no load)	I 700 rpm
Speed (load 9.5 A)	I 400 rpm
Spindle (Weldon)	3/4"
Voltage	110 - 120 V / 60 Hz

\*Exclusive power cord and handle

## Benefits

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



## Features



Power surge protection



Power fluctuation protection



Gyro-Tec



Integrated motor cable



Automatic shut-off



Carbon brush wear indicator



2-way magnet (TempTec)



In-corner: 2"



Height: 6 1/2"

# ECO.36<sup>+/T</sup>



Watch our machines in action on:  
[www.youtube.com/euroboorbv](http://www.youtube.com/euroboorbv)



## Technical data

Annular cutting	Ø 7/16" - 1 7/16"
Twist drilling (Weldon)	Ø 1/16" - 9/16"
Countersinking (Weldon)	Ø 3/8" - 1 9/16"
Tapping	Ø 1/8" - 1 3/9"
In-corner drilling	0° 2" center to edge
	90° 2 1/16" center to edge
	45° 2 3/8" center to edge
Length	12 3/16"
Width	5 5/16"
Height	6 1/2"
Stroke	1 9/16"
Weight*	22.7 lbs
Magnet (l x w x h)	6 5/16" x 3 1/8" x 1 7/16"
Magnetic force	2,645 lbs
Motor power	8.5 A
Total power	9 A
Speed (no load)	I 120 - 500 rpm
Speed (load 8.5 A)	I 120 - 400 rpm
Spindle (Weldon)	3/4"
Voltage	110 - 120 V / 60 Hz

\*Exclusive power cord and handle

## Benefits

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

## Features



Adjustable speed



R/L rotation



Overload protection



Overheat protection



Power surge protection



Power fluctuation protection



Gyro-Tec



Integrated motor cable



Automatic shut-off



Carbon brush wear indicator



2-way magnet (TempTec)



Tapping



In-corner: 2"



Height: 6 1/2"



# EBM.36+LP/P-18V Battery Operated



Watch our machines in action on:  
[www.youtube.com/euroboorbv](http://www.youtube.com/euroboorbv)



## Technical data

Annular cutting	Ø 7/16" - 1 7/16"
Twist drilling	Ø 1/16" - 1/2"
Countersinking	Ø 3/8" - 1 9/16"
Length	13 13/8"
Width	5 1/2"
Height	6 7/8"
Stroke	1 9/16"
Weight (incl. batt)*	24.9 lbs
Magnet (l x w x h)	6 15/16" x 3 3/4" x 1 3/4"
Magnetic force	1,433 lbs
Min. material thickness	1/4"
Motor power	1,000 W
Total power	1,000 W
Speed (no load)	270 - 430 rpm
Speed (load)	270 - 430 rpm
Spindle (Weldon)	3/4"
Battery capacity	18 V 5 Ah Li-ion, 18 V 9 Ah Li-ion

\*Exclusive handles

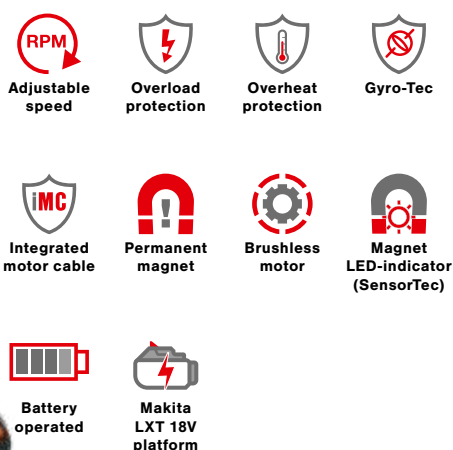
## Benefits

- Battery-powered motor system
- User friendly Quick-Connect cutter fitment system
- Integrated carrying handle and safety strap attachment
- Left and right mount ability of detachable feed handle
- Compact and lightweight design
- Based on Makita LXT 18V battery platform
- Integrated tool cooling and lubrication
- Removable and slideable safety guard
- Lubrication bottle with magnet attachment
- Brushless technology

## Magnet benefits

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

## Features



## Accessories



**Batteries 5Ah and 9Ah**  
EB5A, EB9A

**Charger**  
EBC1





# EBM.36/P-18V

Battery Operated



Watch our machines in action on:  
[www.youtube.com/euroboorbv](http://www.youtube.com/euroboorbv)



## Technical data

Annular cutting	Ø 7/16" - 1 7/16"
Twist drilling	Ø 1/16" - 1/2"
Countersinking	Ø 3/8" - 1 9/16"
Length	12 13/16"
Width	9 1/4"
Height	14 9/16" - 16 1/8"
Stroke	5 1/2"
Weight (incl. batt)*	22.4 lbs
Magnet (l x w x h)	6 3/16" x 3 3/8" x 1 3/4"
Magnetic force	1,433 lbs
Min. material thickness	1/4"
Motor power	1,000 W
Total power	1,000 W
Speed (no load)	530 rpm
Speed (load)	430 rpm
Spindle (Weldon)	3/4"
Battery capacity	18 V 5 Ah Li-ion, 18 V 9 Ah Li-ion

\*Exclusive handles



## Benefits

- Battery-powered motor system
- Integrated carrying handle and safety strap attachment
- Compact and lightweight design
- Based on Makita LXT 18V battery platform
- Integrated tool cooling and lubrication
- Brushless technology

## Magnet benefits

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

## Features



Integrated motor cable



Permanent magnet



Brushless motor



Magnet LED-indicator (SensorTec)



Battery operated



Makita LXT 18V platform


## Accessories



Batteries 5Ah and 9Ah  
EB5A, EB9A



Charger  
EBC1

A yellow and orange gecko is positioned at the bottom of the frame, looking upwards towards a large, industrial vacuum cleaner nozzle. The nozzle is a complex mechanical device with a long, cylindrical body and a flared, ribbed end. It is set against a dark, textured background with some red lighting at the bottom. The gecko's head is in the foreground, and its body extends towards the left. The vacuum cleaner is centered in the background, with its handle visible on the right side.

**INNOVATION** IS HERE  
**VAC.50S+**  
**IT SUCKS!**

# VAC.50s+



Watch our machines in action on:  
[www.youtube.com/euroboorbv](http://www.youtube.com/euroboorbv)



## Technical data

### Annular cutting

- steel and hard metals	Ø 7/16" - 1 3/16"
- other metals and plastic	Ø 7/16" - 2"

### Twist drilling

- steel and hard metals	Ø 7/16" - 1/2"
- other metals and plastic	Ø 1/16" - 15/16"

Countersinking	Ø 3/8" - 2 3/16"
----------------	------------------

Length	16 15/16"
--------	-----------

Width	7 1/2"
-------	--------

Height	16 17/32" - 23 7/32"
--------	----------------------

Stroke	6 11/16"
--------	----------

Weight*	21.8 lbs
---------	----------

Magnet (l x w x h)	11 13/16" x 5 1/2" x 13/16"
--------------------	-----------------------------

Adsorption force	661 lbs
------------------	---------

### Vacuum motor (integrated)

- Air flow	0.53 cfm
- Gauge pressure	-11.6 psi
- Power	1 A
- Voltage	12 V

Motor power	11.4 A
-------------	--------

Total power	11.8 A
-------------	--------

Speed (no load)	I 380 rpm
	II 690 rpm

Speed (load 11.4 A)	I 235 rpm
	II 415 rpm

Spindle (Weldon)	MT3 3/4"
------------------	----------

Voltage	110 - 120 V / 60 Hz
---------	---------------------

\*Exclusive power cord and handles

## Benefits

- High-accuracy capstan hub
- Morse Taper 3 spindle with integrated tool cooling and lubrication
- Integrated slide for:
  - High accuracy
  - Enlarged lifecycle
  - Minimal vibration
- High-precision height adjustment for:
  - Low maintenance
  - Minimal wear correction
- Vacuum technology for almost all (magnetic and non-magnetic) smooth surfaces
- Reduced risk of damaging machine, tools and workpiece and hurting operator
- Suitable for use in areas and workplaces where power supply is of less quality
- Reduced risk of armature damage
- Reduced risk of control unit(s) damage
- Timely service notification to avoid additional cost by unexpected downtime or unnecessary part replacement

**Ideal for non magnetic materials like:  
stainless steel,  
aluminum, plastics etc.**

## Features



Overload protection



Overheat protection



Power surge protection



Power fluctuation protection



Vacu-Tec



Integrated motor cable



Automatic shut-off



Oil lubricated gearbox



Carbon brush wear indicator



VAC Vacuum LED-indicator

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



# F16+



Watch our machines in action on:  
[www.youtube.com/euroboorbv](http://www.youtube.com/euroboorbv)



## Technical data

Twist drilling	Ø 1/16" - 5/8"
Length	12 3/16"
Width	6 11/16"
Height	12 13/16" - 19 1/2"
Stroke	6 11/16"
Weight**	16.5 lbs
Magnet (l x w x h)	6 5/16" x 3 1/8" x 1 7/16"
Magnetic force	2,645 lbs
Voltage	110 - 120 V / 60 Hz

\*Hand drill dependable

\*\*Exclusive power cord and handles

## Benefits

- Perfect solution for high-precision small diameter drilling tasks
- 43 mm Euro collar connection (33 mm and 38 mm filler rings included)
- Safe and easy rear mounted socket
- High-accuracy capstan hub
- High-precision height adjustment for:
  - Low maintenance
  - Minimal wear correction
- Strong dual coil CNC machined 2-way magnet causing the machine to use less energy, generate less heat and therefore lasts longer
- Reversible handles: to enable you to change the operation side of the feed handles in confined spaces
- Reduced risk of damaging machine, tools and workpiece and hurting operator
- Suitable for use in areas and workplaces where power supply is of less quality
- Reduced risk of armature damage
- Reduced risk of control unit(s) damage
- No unexpected downtime or unnecessary part replacement



Mounted hand drilling machine not included.

## Features



Power surge protection



Power fluctuation protection



Gyro-Tec



2-way magnet (TempTec)



Magnet LED-indicator (SensorTec)



# EBH.750/18V

## Battery Operated



Watch our machines in action on:  
[www.youtube.com/euroboorbv](http://www.youtube.com/euroboorbv)



### Technical data

Length	8 1/4"
Width	2 15/16"
Height	8"
Weight	3,04 lbs
Max Torque low gear	75 Nm
Max Torque high gear	50 Nm
Speed (no load) gear 1	0 - 500 rpm
Speed (no load) gear 2	0 - 2,000 rpm
Gearbox	2-Speed mechanical
Slip Clutch	21 positions
Connection	1/16" - 1/2" Quick Connect
Battery capacity	18 V 5 Ah Li-ion, 18 V 9 Ah Li-ion

### Benefits

- Cordless and highly portable
- Soft grip handle
- Built-in LED work light
- Based on Makita LXT 18V battery platform
- 21-stage slip clutch and adjustable speed control
- Brushless technology



### Features



Makita  
LXT 18V  
platform

### Accessories



**Batteries 5Ah and 9Ah**  
 EB5A, EB9A

**Charger**  
 EBC1

Battery not included.


# Accessories

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

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

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

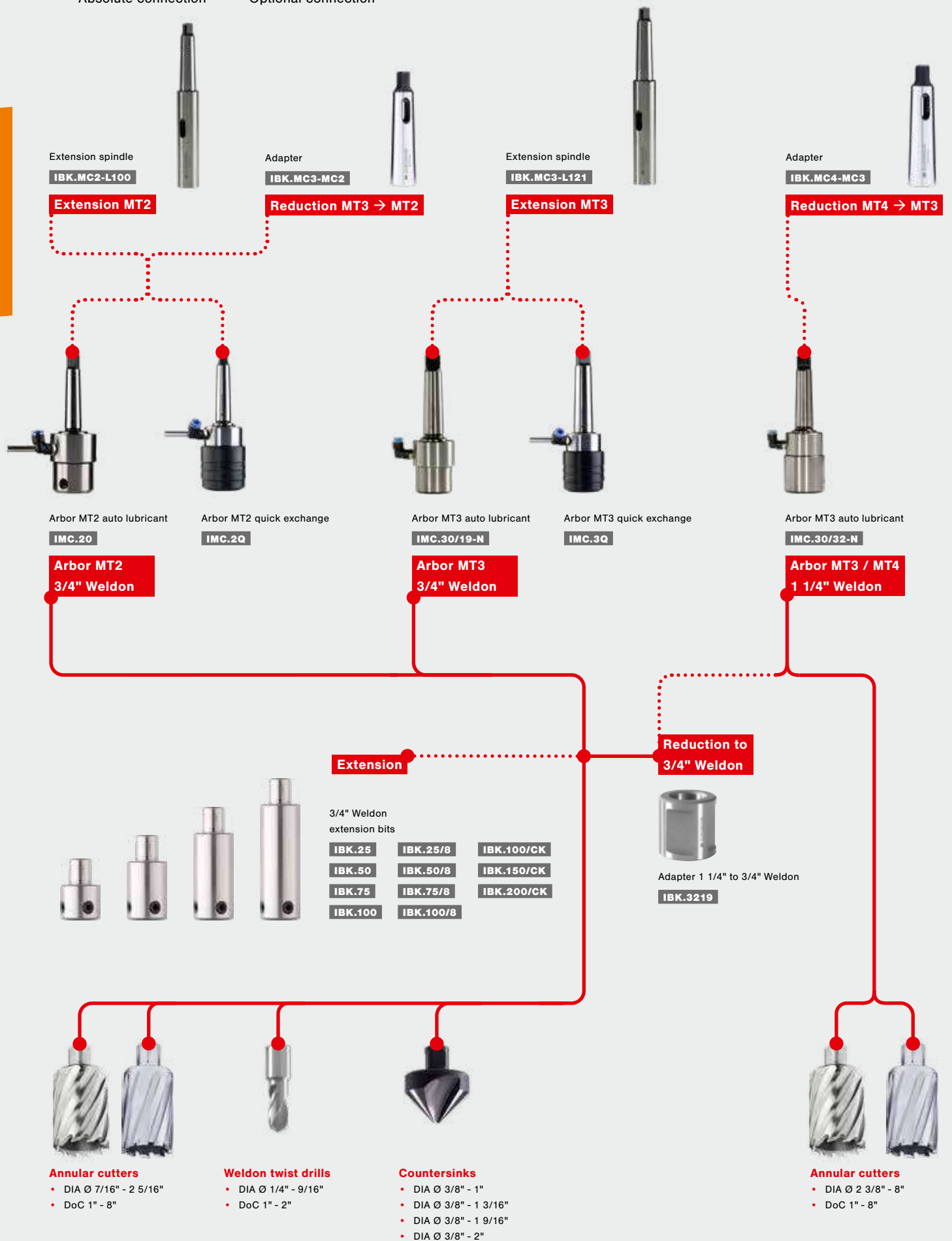
## Practical solutions for comfort at work

A close-up photograph of various industrial drill bits and accessories arranged on a workbench. In the foreground, a large, black, double-flute drill bit with a silver-colored metal collar is the central focus. To its left is a smaller, silver-colored drill bit with a hexagonal base. To its right is another silver-colored drill bit with a different flute design. In the background, several other drill bits and tools are visible, but they are out of focus. The lighting is dramatic, with strong highlights and shadows, emphasizing the metallic textures and the precision of the tools.

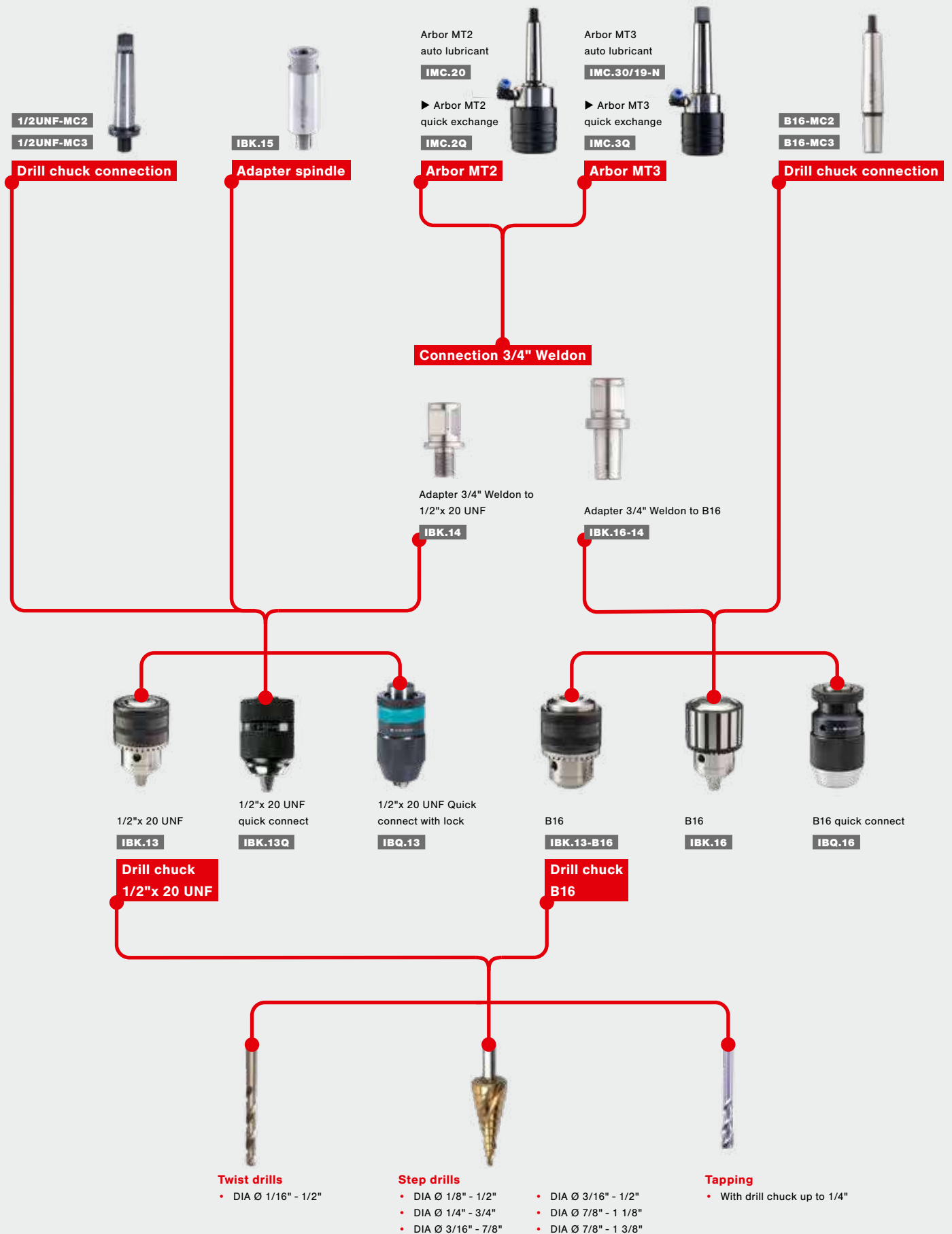
**“Our vision is focused on  
developing accessories  
that add value and  
facilitate you in your  
daily work”.**

## Weldon setup overview

— Absolute connection    ..... Optional connection









# Armature kit

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

## Total package

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

The armature kit with original Euroboor spare parts consists of:

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

## ARM.KIT

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





## WelNit kit



Watch our machines in action on:  
[www.youtube.com/euroboorby](http://www.youtube.com/euroboorby)



- The WelNit Kit gives you the possibility to connect every type of cutter with your Magnetic Drilling Machine
- The One Touch Arbor gives you the advantage of fast and safe cutter changes. The cutter has a tight fit which gives you less vibrations during the cutting process
- For every cutter length you have the right pilot pin in the box
- Packed in luxury case

### The WelNit kit consists of:

- **Morse taper Nitto:** morse taper for placement in a Core drilling machine and the use of a Nitto One-Touch
- **Adapter one-Touch Nitto-3/4" Weldon:** adapter to place a drill with Weldon recording in a drill with Nitto one Touch recording. Includes 1/4" hole for a Pilot pin
- **Adapter one-Touch Nitto-3/4" Weldon:** adapter to place a drill with Weldon recording in a drill with Nitto one Touch recording. Includes 5/16" hole for a Pilot pin
- **Adapter 3/4" WelNit - 1/2" x 20 UNF:** adapter to place a drill head with 20 UNF connection in a drill with Nitto one Touch connection
- **Drill chuck quick change 1/2" x 20 UNF:** drill head for the use of twist drills with a round or 3 flat shank up to 1/2"
- **9 different pilot pins** for placing the drill in the correct position and pushing out the slug:  
 $\varnothing 1/4" \times 3 \text{ 9/16}"$ ,  $\varnothing 1/4" \times 4"$ ,  $\varnothing 1/4" \times 4 \text{ 3/4}"$ ,  $\varnothing 1/4" \times 5"$ ,  
 $\varnothing 1/4" \times 6 \text{ 1/8}"$ ,  $\varnothing 5/16" \times 4 \text{ 1/16}"$ ,  $\varnothing 5/16" \times 4 \text{ 13/16}"$ ,  
 $\varnothing 5/16" \times 5 \text{ 1/16}"$ ,  $\varnothing 5/16" \times 6 \text{ 1/2}"$



### Content MC3 kit:

- IMC.3 NITTO
- IBK.NIT
- IBK.NIT/8
- IBK.14/NIT
- IBQ.13
- IBC.75
- IBC.80
- IBC.90
- IBC.100
- IBC.130
- IBC.K25
- IBC.K50
- IBC.128
- IBC.120

WELNIT-KIT.MC3

### Content MC2 kit:

- IMC.2 NITTO
- IBK.NIT
- IBK.NIT/8
- IBK.14/NIT
- IBQ.13
- IBC.75
- IBC.80
- IBC.90
- IBC.100
- IBC.130
- IBC.K25
- IBC.K50
- IBC.128
- IBC.120

WELNIT-KIT.MC2



## Adapters

### Pipe Adapter kit

- Suitable for tube diameter from  $\varnothing$  2" up to 19 11/16"
- Suitable for all Euroboor magnetic drilling machines (except ECO.200S/T & TUBE-series)
- Suitable for almost all drilling machines in the market (for universal use)

#### Dimensions PAK.250

Length: 11 1/4"  
Width: 10 9/16"  
Height: 3 3/4"

#### Dimensions inside plate

Length: 10 9/16"  
Width: 4 7/16"  
Height: 9/16"

#### Weight

27.5 lbs

PAK.250



## Extensions



### Extension Weldon 1"

3/4" Weldon, 1" extension, outer Ø 1 3/8"  
For 1/4" pilot pins

**IBK.25**

For 5/16" pilot pins

**IBK.25/8**

### Extension Weldon 2"

3/4" Weldon, 2" extension, outer Ø 1 3/8"  
For 1/4" pilot pins

**IBK.50**

For 5/16" pilot pins

**IBK.50/8**

### Extension Weldon 2 15/16"

3/4" Weldon, 2 15/16" extension,  
outer Ø 1 3/8"  
For 1/4" pilot pins

**IBK.75**

For 5/16" pilot pins

**IBK.75/8**

### Extension Weldon 3 15/16"

3/4" Weldon, 3 15/16" extension,  
outer Ø 1 3/8"  
For 1/4" pilot pins

**IBK.100**

For 5/16" pilot pins

**IBK.100/8**

### MT2 - 4" extension

MT2 - MT2

**IBK.MC2-L100**

### MT3 - 10" extension

MT3 - MT3

**IBK.MC3-L250**

### MT3 - 5" extension

MT3 - MT3

**IBK.MC3-L121**

### MT3 - 18" extension

MT3 - MT3

**IBK.MC3-L450**



### Extreme Thin Extension Weldon 4"

3/4" Weldon, 4" extension, outer 1 1/32"  
For 1/4", 5/16" pilot pins

**IBK.100/CK**

### Extreme Thin Extension Weldon 6"

3/4" Weldon, 6" extension, outer 1 1/32"  
For 1/4", 5/16" pilot pins

**IBK.150/CK**

### Extreme Thin Extension Weldon 8"

3/4" Weldon, 8" extension, outer 1 1/32"  
For 1/4", 5/16" pilot pins

**IBK.200/CK**



## Connections



### Adapter Nitto One Touch

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

**IBK.NIT**



### Adapter Fein Quick-In

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

**IBK.QFN**



### Adapter 3/4" Weldon

(external) to 1/2" x 20 UNF

**IBK.14**



### Adapter 3/4" Weldon

(external) to B16 drill chuck connection

**IBK.16-14**



### Reduction Ring

1 1/4" Weldon (external)  
to 3/4" Weldon (internal)

**IBK.3219**

## Morse Taper reductions



### Morse Taper reduction

MT3 (machine)  
to MT2 (tool holder)

**IBK.MC3-MC2**



### Morse Taper reduction

MT4 (machine)  
to MT3 (tool holder)

**IBK.MC4-MC3**



## Arbors



Auto Arbor IMC.2Q / IMC.3Q

MC.2 / MC.3

**Arbor MT2 - 3/4" Weldon**  
For cutters Ø 7/16" - 2 5/16"

MC.2

**Arbor MT2 - 3/4" Weldon**  
Including lubrication ring

IMC.20

**Auto Arbor MT2 - 3/4" Weldon**  
Including lubrication ring  
Quick exchange, Weldon connection

IMC.2Q

**Arbor MT3 - 3/4" Weldon**  
For cutters Ø 7/16" - 2 5/16"

MC.3



MC.3/32

**Arbor MT3 - 3/4" Weldon**  
For cutters Ø 7/16" - 2 5/16"  
With extended shaft, including lubrication ring

MC.3-75

**Arbor MT3 - 3/4" Weldon**  
Including lubrication ring

IMC.30/19-N

**Auto Arbor MT3 - 3/4" Weldon**  
Including lubrication ring  
Quick exchange, Weldon connection

IMC.3Q



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

**Arbor MT3 - 1 1/4" Weldon**  
For cutters Ø 2 3/8" - 4"

MC.3/32

**Arbor MT3 - 1 1/4" Weldon**  
Including lubrication ring

IMC.30/32-N

**Arbor MT4 - 1 1/4" Weldon**  
Including lubrication ring

IMC.40/32

**Arbor MT4 - 1 1/4" Weldon**  
Including lubrication ring

ECO200.MC4/32



Nitto 2 / 3

**Arbor Nitto MT2 - 3/4" Weldon**  
For Nitto cutters, Including lubrication ring

IMC.2 NITTO

**Arbor Nitto MT3 - 3/4" Weldon**  
For Nitto cutters, Including lubrication ring

IMC.3 NITTO



**Adapter 1/2" x 20 UNF** (external) to  
1/2" x 20 UNF (internal) extension adapter  
for drill chucks fitting length 2 9/16"

IBK.15



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

**Benefit:**  
**increases space for twist drills**

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

## Drill chuck connections



**Morse Taper 2 to B16**  
Spindle connection  
**B16-MC2**



**Morse Taper 3 to B16**  
Spindle connection  
**B16-MC3**



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



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

**Morse Taper 2 to B18**  
Spindle connection  
**B18-MC2**

**Morse Taper 3 to B18**  
Spindle connection  
**B18-MC3**

## Twist drill chucks



**Drill chuck**  
DIA Ø 1/6" - 1/2",  
1/2" x 20 UNF connection  
**IBK.13**



**Drill chuck quick connect**  
DIA Ø 1/6" - 1/2"  
1/2" x 20 UNF connection  
Keyless  
**IBK.13Q**



**Drill chuck**  
DIA Ø 1/6" - 1/2"  
B16 connection  
**IBK.13-B16**



**Drill chuck**  
DIA Ø 1/6" - 5/8"  
B16 connection  
**IBK.16**



**Drill chuck quick connect**  
DIA Ø 1/6" - 1/2"  
1/2" x 20 UNF connection  
Keyless  
**IBQ.13**



**Drill chuck quick connect**  
DIA Ø 1/6" - 5/8"  
B16 connection  
Keyless  
**IBQ.16**

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



# Cutting lubricants

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

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

#### Lubrication

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

#### Cooling

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

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

#### Protection

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

#### Durability

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









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

#### Our offering

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

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

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

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

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

\* Inconnell, Nimonic, HARDOX and Hastelloy



## Cutting oils, sprays, paste and gearbox oil



Watch our machines in action on:  
[www.youtube.com/euroboorby](http://www.youtube.com/euroboorby)



### General usage

#### IBO.10

##### Mild steel lubricating and cooling cutting oil

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

**IBO.1001 (33.8 oz / 0.26 gal)**

**IBO.1050 (169 oz / 1.32 gal)**



#### MV.4

##### All metals lubricating and cooling concentrate

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

**MV.4001 (33.8 oz / 0.26 gal)**

**MV.4050 (169 oz / 1.32 gal)**



### Specialised usage

#### IBO.20

##### Inox, chromium and nickel lubricating and cooling cutting oil

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

**IBO.2001 (33.8 oz / 0.26 gal)**

**IBO.2050 (169 oz / 1.32 gal)**



#### IBO.50

##### Non-ferrous metals cutting oil

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

**IBO.5001 (33.8 oz / 0.26 gal)**

**IBO.5050 (169 oz / 1.32 gal)**



#### IBO.60

##### Tapping and threading oil

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

**IBO.6001 (33.8 oz / 0.26 gal)**

**IBO.6050 (169 oz / 1.32 gal)**



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

Premium metal processing spray can form, suitable for use on mild steel. Highly versatile in use and ideal for tool preparation.

**IBO-P.911.500 (16.9 oz)**

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

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

**IBO.30 (16.9 oz)**

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

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

**IBP.70 (33.8 oz / 0.26 gal)**

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

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

**For use with:**

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

**IBO.G101 (33.8 oz / 0.26 gal)**

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

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

**IBO.40**

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

**IBO.40 (13.5 oz)**



# Euroboor

## Annular cutters



Watch our machines in action on:  
[www.youtube.com/euroboorby](http://www.youtube.com/euroboorby)



### Annular cutters

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



### High-precision shanks, various connections



Weldon 3/4"



WelNit 3/4"

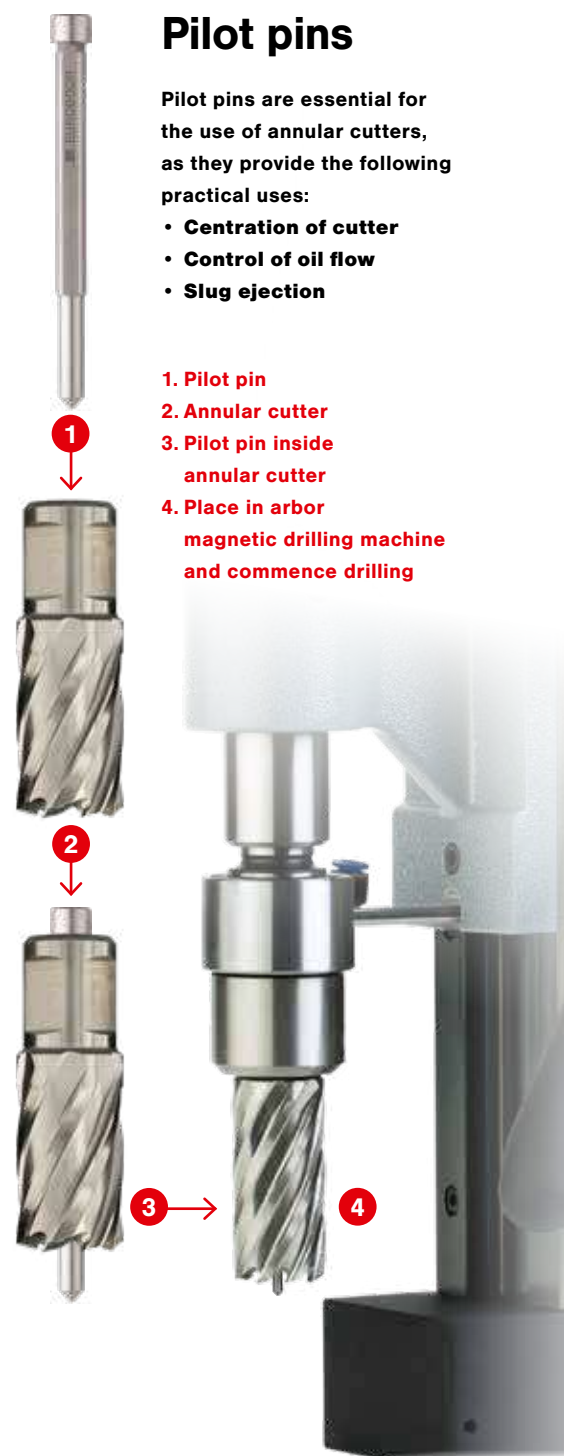


Weldon 1 1/4"

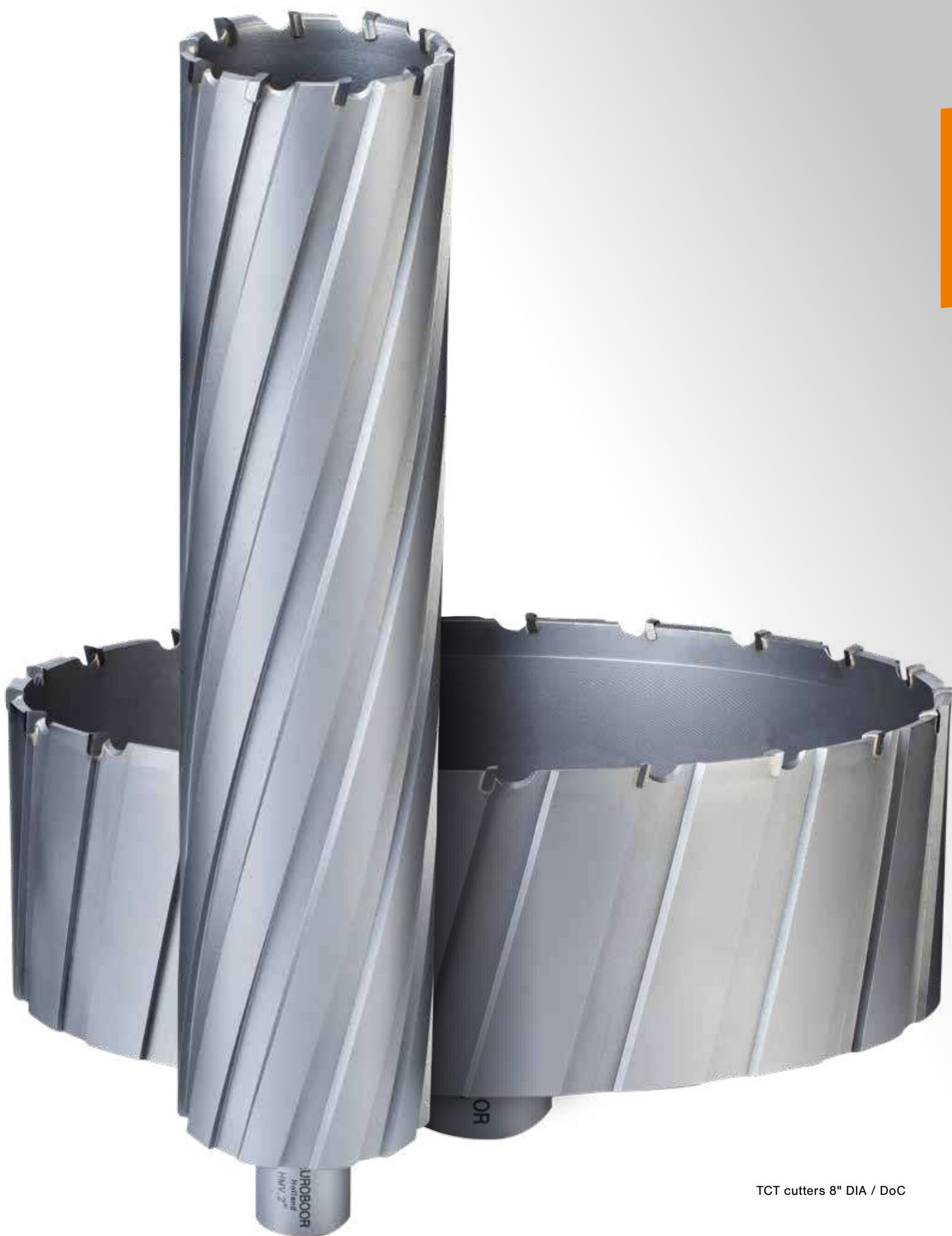
### Pilot pins

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

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







TCT cutters 8" DIA / DoC



# Euroboor annular cutter portfolio

## Geometry

### Altering cutting teeth angles for precise and clear cuts

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



TCT cutters have three different teeth



HSS cutters have two different teeth

## Did you know?

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

Weldon shank



## Shank

Euroboor annular cutters are standard equipped with **high-precision Weldon shanks**. Depending on the cutter size and specification; 3/4" or 1 1/4".

Additionally we also offer cutters with double shank design. These annular cutters have an increased practical application, as they are suitable for use on machinery requiring Weldon fitment as well as machinery with Nitto fitment.



WeNit shank




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

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



## Annular cutter overview

Depth of Cut (DoC)				Ø Imperial (inch) Weldon	Ø Imperial (inch) WelNit	Ø Metric (mm) Weldon	Ø Metric (mm) WelNit
1"	30 mm	HSS		7/16" - 4"	7/16" - 2 1/4"	12 - 25	-
1"	30 mm	HSS-Cobalt	8%	7/16" - 3"	-	-	-
1"	35 mm	TCT		7/16" - 3"	7/16" - 2 5/16"	12 - 20	-
2"	55 mm	HSS		7/16" - 4"	7/16" - 2 1/4"	12 - 67	-
2"	55 mm	HSS Stack		3/4" - 1 1/4"	-	-	-
2"	55 mm	HSS-Cobalt	8%	7/16" - 2 7/8"	-	-	-
2"	55 mm	TCT		7/16" - 8"	7/16" - 2 5/16"	12 - 200	18 - 39
3"	75 mm	HSS Stack		3/4" - 1 1/4"	-	-	-
3"	75 mm	HSS-Cobalt	8%	3/4" - 1 7/8"	-	-	-
3"	75 mm	TCT		7/16" - 3"	11/16" - 2 1/8"	39 - 40	-
4"	100 mm	TCT		7/16" - 8"	11/16" - 3 13/16"	36 - 100	-
6"	150 mm	TCT		7/8" - 2"	11/16" - 1 15/16"	-	-
8"	200 mm	TCT		7/8" - 2"	13/16" - 3 13/16"	-	-

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

\* Inconnell, Nimonic, HARDOX, Hastelloy

## Annular cutter

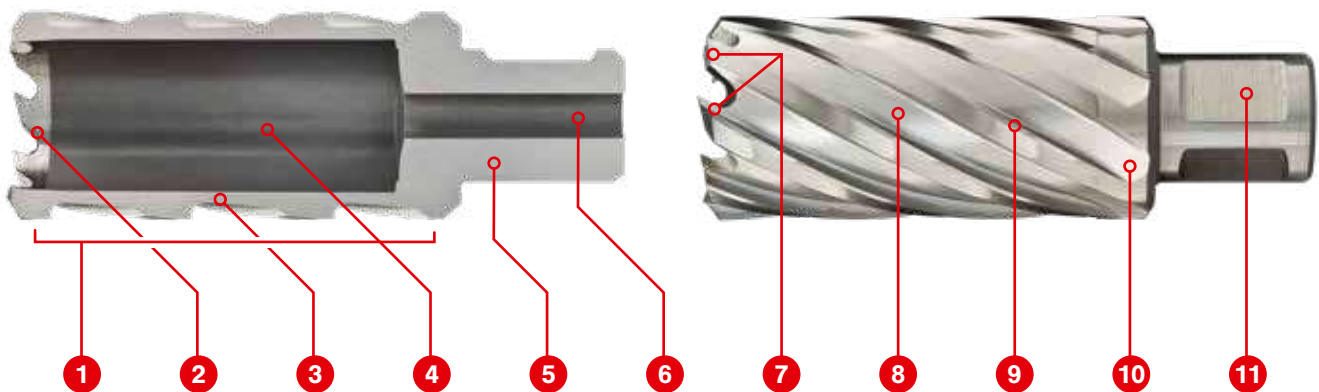
# High Speed Steel

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

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

## HSS profile



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

## DoC 1" Weldon

### Ø 7/16" - 4"

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

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

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

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

HSS

Weldon shank



Shank sizes

DIA Ø 7/16" - 2 5/16":  
Shank 3/4"

DIA Ø 2 3/8" - 4":  
Shank 1 1/4"



## DoC 30 mm Weldon

### Ø 12 - 25 mm

DIA Ø	Code
12	HCS.120
13	HCS.130
14	HCS.140
15	HCS.150

DIA Ø	Code
16	HCS.160
17	HCS.170
18	HCS.180
19	HCS.190

DIA Ø	Code
20	HCS.200
21	HCS.210
22	HCS.220
23	HCS.230

DIA Ø	Code
24	HCS.240
25	HCS.250



**DoC**  
Depth  
of Cut  
measured  
inside  
cutter



**HSS**

## DoC 2" Weldon

### Ø 7/16" - 4"

Weldon shank



Shank sizes

DIA Ø 7/16" - 2 5/16":  
Shank 3/4"

DIA Ø 2 3/8" - 4":  
Shank 1 1/4"



DIA Ø	Code
7/16"	HCL.7/16"
31/64"	HCL.31/64"
33/64"	HCL.33/64"
1/2"	HCL.1/2"
17/32"	HCL.17/32"
9/16"	HCL.9/16"
37/64"	HCL.37/64"
5/8"	HCL.5/8"
21/32"	HCL.21/32"
11/16"	HCL.11/16"
3/4"	HCL.3/4"
49/64"	HCL.49/64"
13/16"	HCL.13/16"
7/8"	HCL.7/8"
59/64"	HCL.59/64"
15/16"	HCL.15/16"
1"	HCL.1"

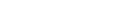
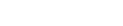
DIA Ø	Code
1 1/16"	HCL.1-1/16"
1 7/64"	HCL.1-7/64"
1 1/8"	HCL.1-1/8"
1 11/64"	HCL.1-11/64"
1 3/16"	HCL.1-3/16"
1 1/4"	HCL.1-1/4"
1 5/16"	HCL.1-5/16"
1 3/8"	HCL.1-3/8"
1 7/16"	HCL.1-7/16"
1 1/2"	HCL.1-1/2"
1 9/16"	HCL.1-9/16"
1 5/8"	HCL.1-5/8"
1 11/16"	HCL.1-11/16"
1 3/4"	HCL.1-3/4"
1 13/16"	HCL.1-13/16"
1 7/8"	HCL.1-7/8"
1 15/16"	HCL.1-15/16"

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

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

## DoC 55 mm Weldon

### Ø 12 - 67 mm



DIA Ø	Code
12	HCL.120
13	HCL.130
13,5	HCL.135
14	HCL.140
14,5	HCL.145
15	HCL.150
15,5	HCL.155
16	HCL.160
16,5	HCL.165
17	HCL.170
17,5	HCL.175
18	HCL.180
19	HCL.190
19,5	HCL.195

DIA Ø	Code
20	HCL.200
21	HCL.210
21,5	HCL.215
22	HCL.220
23,5	HCL.235
24	HCL.240
23	HCL.230
25	HCL.250
26	HCL.260
26,5	HCL.265
27	HCL.270
28	HCL.280
29	HCL.290
30	HCL.300

DIA Ø	Code
31	HCL.310
32	HCL.320
33	HCL.330
34	HCL.340
35	HCL.350
36	HCL.360
37	HCL.370
38	HCL.380
39	HCL.390
40	HCL.400
41	HCL.410
42	HCL.420
43	HCL.430
44	HCL.440

DIA Ø	Code
45	HCL.450
46	HCL.460
47	HCL.470
48	HCL.480
49	HCL.490
50	HCL.500
51	HCL.510
52	HCL.520
60	HCL.600
60,5	HCL.605
67	HCL.670

DoC

Depth of Cut  
measured  
inside  
cutter

## Set HSS imperial

### 6 piece cutter sets



#### DoC 1"

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

**HCS.KIT/8**



#### DoC 1" & 2"

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

**HCS.KIT/9**

### 10 piece cutter sets



#### DoC 1"

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

**HSS.KIT/10S-I1**

#### DoC 1"

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

**HSS.KIT/10S-I2**



#### DoC 2"

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

**HSS.KIT/10L-I1**

#### DoC 2"

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

**HSS.KIT/10L-I2**

## Annular cutter

# High Speed Steel Stack

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

In order to drill multiple layers of material simultaneously, we recommend the use of our annular cutters with stack geometry.

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

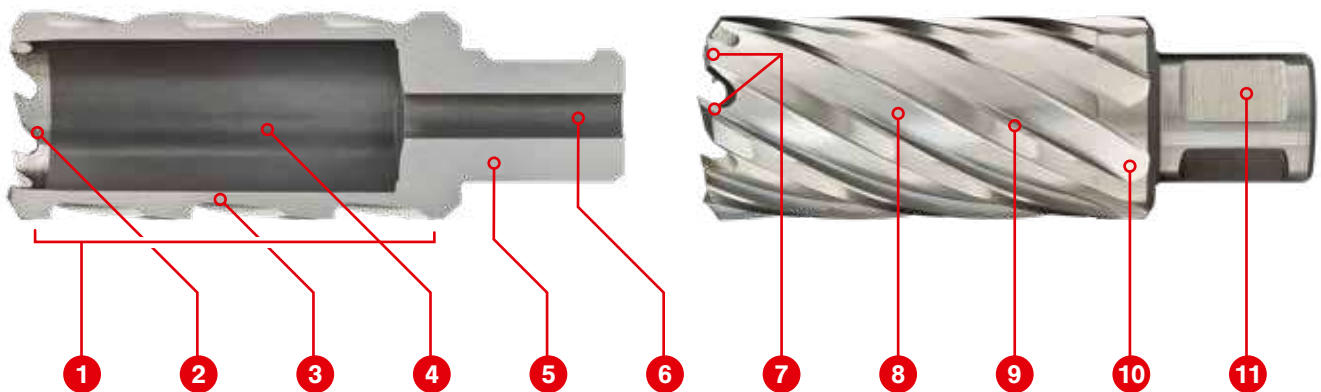
Combined with the standard performance improving characteristics of Euroboor annular cutters this results in smooth layer transitions, precise and clean hole finishes and the time savings you are looking for.

### HSS stack material application

● Optimal ○ Good ○ Possible

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

## HSS profile



1. Stage hardening. Combines maximum hardness at the teeth with superior strength at the cutter body, reducing breakage to a minimum.
2. Extra deep inner ground cutting teeth. Helps stable "setting" of the cutter, reduces friction during drilling and helps (multiple) slug ejection.
3. Wall thickness matched to the diameter of the cutter, combining the best possible cutting time with strength.
4. Tapered inside fitment prevents the cutter getting stuck. Guaranteed slug(s) ejection with usage of the correct pilot pin.
5. Precise shank fitment for maximum interchangeability and close tolerance drilling without run-out.
6. Precise pilot pin fitment for perfect centration, hassle-free pin retraction and controlled lubricant flow.
7. Stack teeth geometry ensures stable and precise material penetration with fast cutting performance
8. Well-thought-out spiral flute angles for optimal chip removal.
9. Specially designed blades for optimum stability and heat-reduction.
10. Number of flutes and teeth matched to the diameter of the
11. Precision ground shanks for optimum fitment of the cutter itself in the tool holder and of pilot pin in the annular cutter. Increases safety, stability and accurate hole dimensions.

## DoC 2" Weldon

Ø 3/4" - 1 1/4"

DIA Ø	Code
3/4"	HCPL.3/4"
13/16"	HCPL.13/16"
7/8"	HCPL.7/8"
15/16"	HCPL.15/16"
1"	HCPL.1"

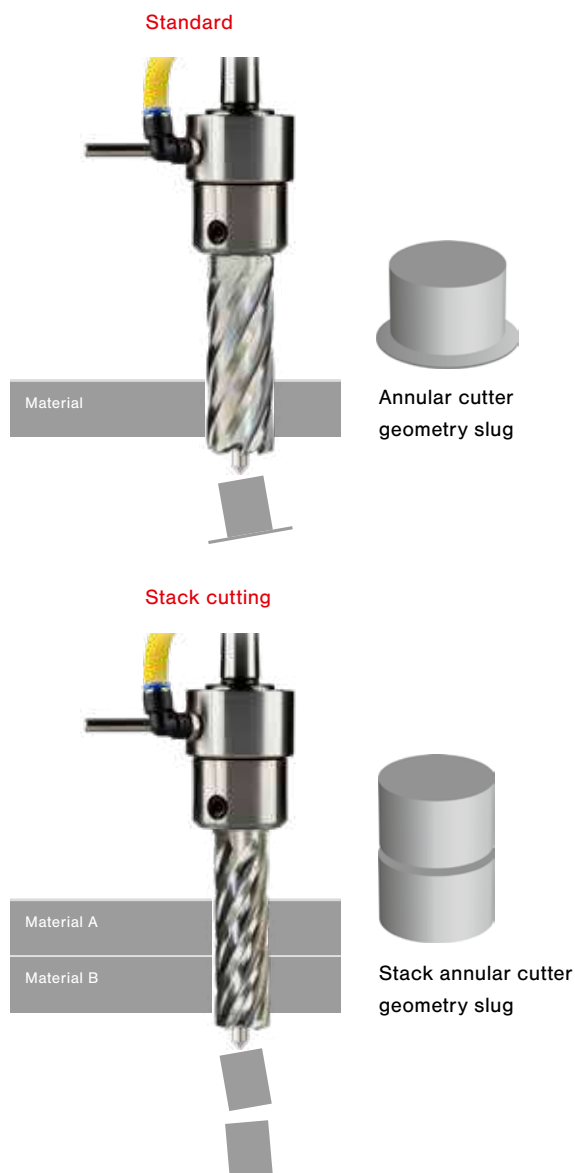
DIA Ø	Code
1 1/16"	HCPL.1-1/16"
1 1/8"	HCPL.1-1/8"
1 3/16"	HCPL.1-3/16"
1 1/4"	HCPL.1-1/4"

## DoC 3" Weldon

Ø 3/4" - 1 1/4"

DIA Ø	Code
3/4"	HCPY.3/4"
13/16"	HCPY.13/16"
7/8"	HCPY.7/8"
15/16"	HCPY.15/16"
1"	HCPY.1"

DIA Ø	Code
1 1/16"	HCPY.1-1/16"
1 1/8"	HCPY.1-1/8"
1 3/16"	HCPY.1-3/16"
1 1/4"	HCPY.1-1/4"



## HSS Stack

Weldon shank



Shank sizes

DIA Ø 11/16" - 1 1/4":

Shank 3/4"





## Annular cutter

# High Speed Steel Cobalt

Euroboor HSS-Cobalt annular cutters are made of Molybdenum-Chromium-Vanadium-Tungsten alloy High Speed Steel with an additional 5% Cobalt (HSS-M35), which results in higher hardness but minimizes the chance of cutter breakage. The HSS-Cobalt annular cutter is specifically designed to remain cool when cutting holes. All flutes are fully ground, resulting in super-fast feed rates and smooth

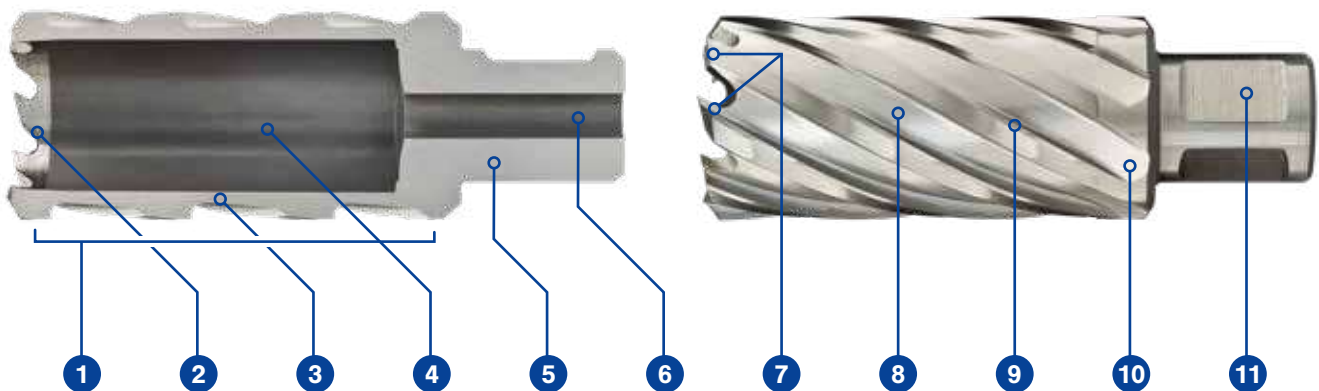
holes in hard materials, providing better chip clearance and higher cutting performances. The M35 HSS-Cobalt annular cutter is widely used in the metalworking industry for its superior red hardness compared to more conventional high speed steels. This will lead to shorter cycle times in production environments due to higher cutting speeds.

### HSS-Cobalt material application

● Optimal ○ Good ○ Possible

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

## HSS-Cobalt profile



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

## DoC 1" Weldon

Ø 7/16" - 3"

DIA Ø	Code
7/16"	IBS.7/16"
1/2"	IBS.1/2"
9/16"	IBS.9/16"
5/8"	IBS.5/8"
11/16"	IBS.11/16"
3/4"	IBS.3/4"
13/16"	IBS.13/16"
7/8"	IBS.7/8"
15/16"	IBS.15/16"

DIA Ø	Code
1"	IBS.1"
1 1/16"	IBS.1-1/16"
1 1/8"	IBS.1-1/8"
1 3/16"	IBS.1-3/16"
1 1/4"	IBS.1-1/4"
1 5/16"	IBS.1-5/16"
1 3/8"	IBS.1-3/8"
1 7/16"	IBS.1-7/16"
1 1/2"	IBS.1-1/2"

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

DIA Ø	Code
2 1/8"	IBS.2 1/8"
2 1/4"	IBS.2 1/4"
2 3/8"	IBS.2 3/8"
2 7/16"	IBS.2 7/16"
2 1/2"	IBS.2 1/2"
2 9/16"	IBS.2 9/16"
2 5/8"	IBS.2 5/8"
2 3/4"	IBS.2 3/4"
3"	IBS.3"

**HSS  
Cobalt**

Weldon shank



Shank sizes

DIA Ø 7/16" - 2 5/16":  
Shank 3/4"

DIA Ø 2 3/8" and up:  
Shank 1 1/4"

## DoC 2" Weldon

Ø 7/16" - 2 7/8"

DIA Ø	Code
7/16"	IBL.7/16"
1/2"	IBL.1/2"
9/16"	IBL.9/16"
5/8"	IBL.5/8"
11/16"	IBL.11/16"
3/4"	IBL.3/4"
13/16"	IBL.13/16"
7/8"	IBL.7/8"
15/16"	IBL.15/16"
1"	IBL.1"

DIA Ø	Code
1 1/16"	IBL.1-1/16"
1 1/8"	IBL.1-1/8"
1 3/16"	IBL.1-3/16"
1 1/4"	IBL.1-1/4"
1 5/16"	IBL.1-5/16"
1 3/8"	IBL.1-3/8"
1 7/16"	IBL.1-7/16"
1 1/2"	IBL.1-1/2"
1 9/16"	IBL.1-9/16"

DIA Ø	Code
1 5/8"	IBL.1-5/8"
1 11/16"	IBL.1-11/16"
1 3/4"	IBL.1-3/4"
1 13/16"	IBL.1-13/16"
1 7/8"	IBL.1-7/8"
1 15/16"	IBL.1-15/16"
2"	IBL.2"
2 1/16"	IBL.2-1/16"
2 1/8"	IBL.2-1/8"

DIA Ø	Code
2 3/16"	IBL.2-3/16"
2 1/4"	IBL.2-1/4"
2 5/16"	IBL.2-5/16"
2 3/8"	IBL.2-3/8"
2 1/2"	IBL.2-1/2"
2 9/16"	IBL.2-9/16"
2 5/8"	IBL.2-5/8"
2 3/4"	IBL.2-3/4"
2 7/8"	IBL.2-7/8"



## DoC 3" Weldon

Ø 7/16" - 2 7/8"

DIA Ø	Code
3/4"	IBY.3/4"
13/16"	IBY.13/16"
7/8"	IBY.7/8"
15/16"	IBY.15/16"

DIA Ø	Code
1"	IBY.1"
1 1/16"	IBY.1-1/16"
1 1/8"	IBY.1-1/8"
1 3/16"	IBY.1-3/16"

DIA Ø	Code
1 1/4"	IBY.1-1/4"
1 5/16"	IBY.1-5/16"
1 3/8"	IBY.1-3/8"
1 1/2"	IBY.1-1/2"

DIA Ø	Code
1 9/16"	IBY.1-9/16"
1 3/4"	IBY.1-3/4"
1 7/8"	IBY.1-7/8"

## Annular cutter

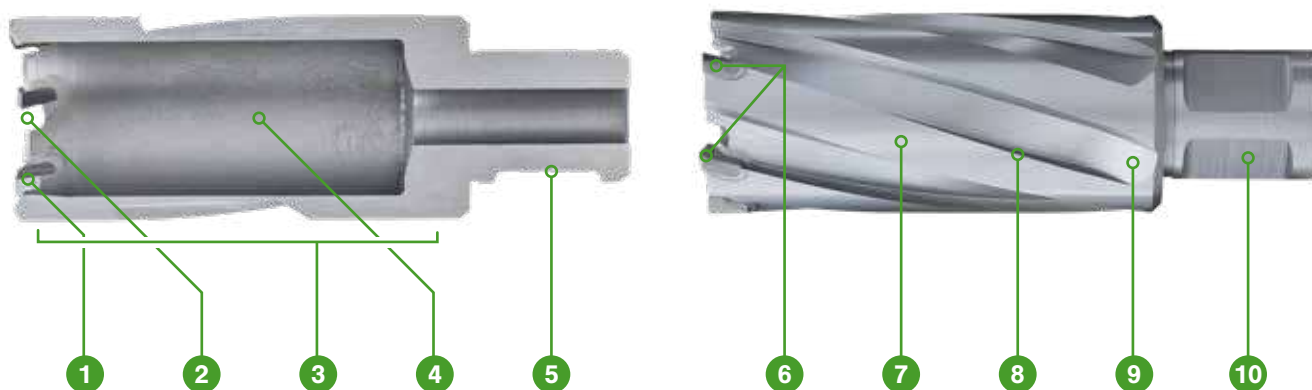
# Tungsten Carbide Tipped

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

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

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

## TCT profile



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

## WelNit Ø 7/16" - 2 5/16"

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

## Weldon Ø 2 3/8" - 8"

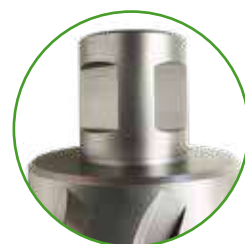
	DoC 1"	DoC 2"	DoC 3"	DoC 4"	DoC 6"	DoC 8"
DIA	Code	Code	Code	Code	Code	Code
Ø 2 3/8"	HMS.2-3/8"	HML.2-3/8"	HMY.2-3/8"	HMX.2-3/8"	HMW.2-3/8"	HMV.2-3/8"
Ø 2 7/16"	HMS.2-7/16"	HML.2-7/16"	HMY.2-7/16"	HMX.2-7/16"	HMW.2-7/16"	HMV.2-7/16"
Ø 2 1/2"	HMS.2-1/2"	HML.2-1/2"	HMY.2-1/2"	HMX.2-1/2"	HMW.2-1/2"	HMV.2-1/2"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

TCT

WelNit shank



Weldon shank



Shank sizes

DIA Ø 7/16" - 2 5/16":  
3/4"

DIA Ø 2 3/8" - 8":  
1 1/4"





TCT

Weldon shank



Shank sizes

DIA Ø 2 3/8" - 8":  
1 1/4"



DoC

Depth of Cut  
measured  
inside  
cutter

## Weldon Ø 2 3/8" - 8"

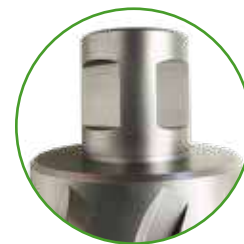
	DoC 1"	DoC 2"	DoC 3"	DoC 4"	DoC 6"	DoC 8"
DIA	Code	Code	Code	Code	Code	Code
Ø 3 9/16"	HMS.3-9/16"	HML.3-9/16"		HMX.3-9/16"	HMW.3-9/16"	HMV.3-9/16"
Ø 3 5/8"	HMS.3-5/8"	HML.3-5/8"		HMX.3-5/8"	HMW.3-5/8"	HMV.3-5/8"
Ø 3 11/16"	HMS.3-11/16"	HML.3-11/16"		HMX.3-11/16"	HMW.3-11/16"	HMV.3-11/16"
Ø 3 3/4"	HMS.3-3/4"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

## Weldon Ø 2 3/8" - 8"

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

**TCT**

Weldon shank



Shank sizes

DIA Ø 2 3/8" - 8":  
1 1/4"



**TCT**

WelNit shank



Shank sizes

DIA Ø 12 - 60 mm:  
19.05 mm (3/4")



**DoC**

Depth  
of Cut  
measured  
inside  
cutter

## WelNit Ø 12 - 60 mm

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

## Set TCT imperial

### 10 piece cutter sets



#### DoC 1"

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

**TCT.KIT/10S-I1**

#### DoC 1"

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

**TCT.KIT/10S-I2**



#### DoC 2"

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

**TCT.KIT/10L-I1**

#### DoC 2"

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

**TCT.KIT/10L-I2**



# 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**

As plain as a pilot pin may look, all of these uses require high-precision and extremely low tolerances – just to make sure the centre is exactly the centre, oil flow starts and stops when you need it to, and the slug does not get stuck inside the cutter.

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

## Overview

Code	Length pin	Diameter pin
IBC.70	3"	1/4"
IBC.75	3 9/16"	1/4"
IBC.80	4 1/16"	5/16"
IBC.85	3 9/16"	5/16"
IBC.90	4"	1/4"
IBC.100	4 13/16"	5/16"
IBC.110	6 1/4"	1/4"
IBC.120	4 3/4"	1/4"
IBC.130	6 1/2"	5/16"
IBC.140	5 15/16"	5/16"
IBC.150	29 15/16"	5/16"
IBC.160	7 15/16"	5/16"

Code	Length pin	Diameter pin
IBC.K25 <sup>1</sup>	5"	1/4"
IBC.K50 <sup>1</sup>	6 1/8"	1/4"
IBC.K75 <sup>1</sup>	7"	1/4"
IBC.K100 <sup>1</sup>	8"	1/4"
IBC.K110 <sup>1</sup>	6 1/4"	1/4"
IBC.2P-130 <sup>2</sup>	5 1/8"	5/16"
IBC.2P-144 <sup>2</sup>	5 11/16"	5/16"
IBC.157 <sup>2</sup>	6 1/4"	5/16"
IBC.2P-168 <sup>2</sup>	6 11/16"	5/16"
IBC.2P-205 <sup>2</sup>	8 1/16"	5/16"
IBC.2P-256 <sup>2</sup>	10 3/16"	5/16"

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

3 x IBC.70

3 x IBC.90

**IBC.70-SET**

**IBC.90-SET**

## <sup>1</sup> Extended pilot pin

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



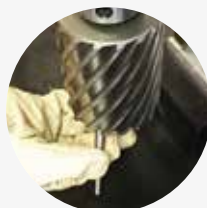
## <sup>2</sup> two-piece pilot pin



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



Start drilling.  
Stop at approx. 2" depth.



Remove the extension.



Commence drilling  
until slug ejection.



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

## Pilot pin features

### Precise positioning

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



Material

### Oil flow regulation

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



Material

### Slug ejection

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



Material

# Pilot pin recommendations



## HSS imperial - 1"

HCS (DoC 1")	
Ø 7/16" - 2 5/16" IBC.70 (1/4" x 3")	Ø 2 3/8" - 4" IBC.80 (5/16" x 4 1/16")

## HSS imperial - 2"

HCL (DoC 2")	
Ø 7/16" - 2 5/16" IBC.90 (1/4" x 4")	Ø 2 3/8" - 4" IBC.100 (5/16" x 4 13/16") IBC.2P-130 (5/16" x 5 1/8")

HCLU (DoC 2")	
Ø 7/16" - 2 5/16" IBC.90 (1/4" x 4")	

## HSS Stack imperial - 2" & 3"

HCPL (DoC 2")	HCPY (DoC 3")
Ø 11/16" - 1 1/4" IBC.90 (1/4" x 4")	Ø 11/16" - 1 1/4" IBC.K25 (1/4" x 5")

## HSS-Cobalt imperial - 1"

IBS (DoC 1")
Ø 7/16" - 2 5/16" IBC.70 (1/4" x 3")

## HSS-Cobalt imperial - 2"

IBL (DoC 2")
Ø 7/16" - 2 5/16" IBC.90 (1/4" x 4")

## HSS-Cobalt imperial - 3"

IBY (DoC 3")
Ø 7/16" - 2 5/16" IBC.K25 (1/4" x 5")

## TCT imperial - 1"

HMS (DoC 1")	
Ø 7/16" - 11/16" IBC.75 (1/4" x 3 9/16")	3/4" - 4" IBC.80 (5/16" x 4 1/16")
HMSU (DoC 1")	
Ø 7/16" - 11/16" IBC.75 (1/4" x 3 9/16")	Ø 3/4" - 2 5/16" IBC.80 (5/16" x 4 1/16")

## TCT imperial - 2"

HML (DoC 2")	
Ø 7/16" - 11/16" IBC.90 (1/4" x 4") 3/4" - 2 5/16" IBC.80 (5/16" x 4 1/16")	Ø 2 3/8" - 8" IBC.100 (5/16" x 4 13/16") IBC.2P-144 (5/16" x 5 11/16")
HMLU (DoC 2")	
7/16" - 11/16" IBC.90 (1/4" x 4") 3/4" - 2 15/16" IBC.80 (5/16" x 4 1/16")	

## TCT imperial - 3" & 4"

HMY (DoC 3")	HMX (DoC 4")
Ø 7/16" - 11/16" IBC.K25 (1/4" x 5") Ø 3/4" - 3" IBC.140 (5/16" x 5 15/16") IBC.157 (5/16" x 6 1/4")	Ø 7/16" - 11/16" IBC.110 (1/4" x 6 1/4") Ø 3/4" - 8" IBC.130 (5/16" x 6 1/2") IBC.2P-168 (5/16" x 6 11/16")

## TCT imperial - 6" & 8"

HMW (DoC 6")	HMV (DoC 8")
Ø 7/8" - 8" IBC.160 (5/16" x 7 15/16") IBC.2P-205 (5/16" x 8 1/16")	Ø 7/8" - 8" IBC.150 (5/16" x 29 15/16") IBC.2P-256 (5/16" x 10 3/16")



## Hole Saw

# Tungsten Carbide Tipped Hole Saw



Twist drills come in different materials and sizes, but above a certain diameter size it's no longer possible to drill with the twist drill. The amount of material to be cut would be too large and the drilling process would take extremely long. That's where the hole saws come in! With our multi-purpose TCT Hole saws you can drill holes from 7/16" up to 2" with portable power tools and stationary machines, without using extreme force or power. As the name suggests, the hole saw is hollow in the middle and only the cutting edges cut the material. This saves a lot of time and energy. The great thing about our hole saws is that they are very durable because they are Tungsten carbide tipped. Compared to bimetal hole saws they have a 10 times longer lifespan.

The hole saws are equipped with a pilot drill and ejector spring. The pilot drill allows simple centering and clean guidance in the material. With the ejector spring, the cut material is easily ejected from the hole saw. The safety stopper protects the workpiece (also a hex key is included for fixing the pilot drill).

- Material thickness for hand drills: max. 1/4"
- Recommended hole diameter for hand drills: max 1"
- Material thickness for portable magnetic drilling machines: max. 1 1/16"
- Parallel shank with 3 flats - Fits all common drill chucks

Diameter	Code
Ø 7/16"	THS.7/16"
Ø 1/2"	THS.1/2"
Ø 9/16"	THS.9/16"
Ø 5/8"	THS.5/8"
Ø 11/16"	THS.11/16"
Ø 3/4"	THS.3/4"
Ø 13/16"	THS.13/16"
Ø 7/8"	THS.7/8"
Ø 15/16"	THS.15/16"
Ø 1"	THS.1"
Ø 1 1/16"	THS.1-1/16"
Ø 1 1/8"	THS.1-1/8"
Ø 1 3/16"	THS.1-3/16"

Diameter	Code
Ø 1 1/4"	THS.1-1/4"
Ø 1 5/16"	THS.1-5/16"
Ø 1 3/8"	THS.1-3/8"
Ø 1 7/16"	THS.1-7/16"
Ø 1 1/2"	THS.1-1/2"
Ø 1 9/16"	THS.1-9/16"
Ø 1 5/8"	THS.1-5/8"
Ø 1 11/16"	THS.1-11/16"
Ø 1 3/4"	THS.1-3/4"
Ø 1 13/16"	THS.1-13/16"
Ø 1 7/8"	THS.1-7/8"
Ø 1 15/16"	THS.1-15/16"
Ø 2"	THS.2"

### Benefits of the TCT hole saw

- Fits in your standard drilling machine
- "Tapered point" twist drill
- 1/8" optimized wall thickness
- 33/64" 3-flat shank
- 1 1/16" Depth of Cut
- More cutting teeth



Watch our machines in action on:  
[www.youtube.com/euroboorby](http://www.youtube.com/euroboorby)



### Specifications

Max. material thickness for drilling in:

- Steel with bench drill: approximately 13/16"
- Stainless steel with bench drill: approximately 3/8"
- Aluminum with bench drill: approximately 13/16"

### TCT Hole Saw

- up to Ø 11/16": 3/8" shank
- From Ø 3/4" and up: 1/2" shank
- Max. depth of cut: 1 1/16"
- Wall thickness: 1/8"





# ERM.100/3

## Resharpener machine



Watch our machines in action on:  
[www.youtube.com/euroboorbv](http://www.youtube.com/euroboorbv)



### Technical data

Dimensions (l x w x h)	18 7/8" x 10 5/8" x 11 13/16"
Weight	61.7 lbs
Motor power	2.3 A
Noise emission	< 70 dBa
Grinding disk	Ø 4 15/16"
Wheel bore	Ø 1"
Shaft bore	3/4" Weldon
Speed (no load)	2,800 rpm
Voltage	110 - 120 V / 60 Hz

### Benefits

- Resharpens HSS cutters from Ø 1/2" – 1 3/4" in cutting depths of 1" – 2 3/16"
- Easy angle adjustment; simple alignment to original geometry
- Laser guided cutter alignment ensures correct positioning of cutting edge to the wheel
- Motor positioning
- Including CBN\* grinding wheel

\* CBN = Cubic Borid Nitride



Cutter position at the cutter sharpening blade

### Accessory ERM.100/3

#### Standard supply

CBN\* Grinding wheel  
 (Resharpener) For HSS

ERM3.0001

Index plate T4/T8 & T5/T10

ERM3.0009

Index plate T6 & T7

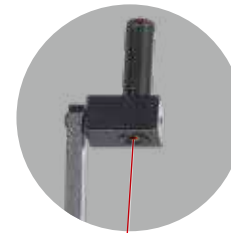
ERM3.0008

Index plate T9

ERM3.0010



Motor adjustment



Laser guidance

## Weldon twist drills

HSS 3/4" Weldon shank. 135° split point.

Available in 1" and 2" (DoC).

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

# COMING SOON

**Individual Euroboor  
Twist Drills**

**Sets are available now**



DoC 1"

DIA Ø 1/4" - 9/16"

INCH	Code
Ø 1/4"	SSPI.1/4"
Ø 5/16"	SSPI.5/16"
Ø 3/8"	SSPI.3/8"

INCH	Code
Ø 7/16"	SSPI.7/16"
Ø 1/2"	SSPI.1/2"
Ø 9/16"	SSPI.9/16"



DoC 2"

DIA Ø 1/4" - 9/16"

INCH	Code
Ø 1/4"	SPI.1/4"
Ø 5/16"	SPI.5/16"
Ø 3/8"	SPI.3/8"
Ø 7/16"	SPI.7/16"
Ø 1/2"	SPI.1/2"
Ø 29/64"	SPI.29/64"
Ø 31/64"	SPI.31/64"
Ø 9/16"	SPI.9/16"

DoC 50 mm

DIA Ø 8.5 - 11 mm

MM	Code
Ø 8.5MM	SPI.8.5
Ø 10MM	SPI.10
Ø 11MM	SPI.11



### 29 piece Drill Bit set

- Sizes Ø 1/16 - Ø 1/2"
- HSS - High Speed Steel - Black and Gold
- Fully ground, not roll-forged, for more stability
- DIN 338
- 118° split point
- 3-flats shank (11/64" and up)
- For non-ferrous metals, mild steel and cast iron
- Compatible with almost every drill chuck
- Drills also sold per 5 or 10 pieces

**TDH.29**

### 29 piece Drill Bit set

- Sizes Ø 1/16 - Ø 1/2"
- HSS-CO - Steel-cobalt alloy (5%)
- Fully ground, not roll-forged, for more stability
- DIN 338
- 135° split point
- 3-flats shank (11/64" and up)
- For hard materials and high alloy steel
- Compatible with almost every drill chuck
- Drills also sold per 5 or 10 pieces

**TDC.29**

### Countersinks

- HSS 3/4" Weldon shank
- 3 cutting edges
- 90°

#### Weldon countersinks

Diameter	Code
Ø 3/8" - 1"	SCE.25
Ø 3/8" - 1 3/16"	SCE.30
Ø 3/8" - 1 9/16"	SCE.40
Ø 3/8" - 2"	SCE.50
Ø 15 - 50 mm	SCE.50/82



### Step drills

- HSS TiN coated
- Spiral flute for efficient chip removal

#### Step drills

Diameter	Code
Ø 1/8" - 1/2"	ESD.INCH-A
Ø 1/4" - 3/4"	ESD.INCH-B
Ø 3/16" - 7/8"	ESD.INCH-C
Ø 3/16" - 1/2"	ESD.INCH-D
Ø 3/16" - 1/2"	ESD.INCH-E
Ø 7/8" - 1 1/8"	ESD.INCH-F
Ø 7/8" - 1 3/8"	ESD.INCH-G



### After drilling aid



#### Magnetic stick for cleaning up metal shavings

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.

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

MAGICSTICK



### Collet Set

#### 21-piece collet set

- 1 x Weldon 1 1/4"
- ER32 Clamping Nut
- 2 x Wrench
- 18 x Collet, sizes (inches): 3/32 - 5/64, 5/32 - 3/32, 13/64 - 5/32, 15/64 - 13/64, 9/32 - 15/64, 5/16 - 9/32, 23/64 - 5/16, 25/64 - 23/64, 7/16 - 25/64, 15/32 - 7/16, 33/64 - 15/32, 35/64 - 33/64, 19/32 - 35/64, 5/8 - 19/32, 43/64 - 5/8, 45/64 - 43/64, 3/4 - 45/64, 25/32 - 3/4
- Set comes in case

ECS.3232.220



## Tapping chucks

### Morse Taper torque controlled tapping chucks

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

#### Benefits

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

#### Features

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



ETC.2

ETC.3



Torque controlled tapping chuck MT3

- Machine tap sizes  
M8 up to M20 (5/16" - 3/4"), (DIN 371 and DIN376)

ETC.2

- Machine tap sizes  
M14 up to M30 (1/2" - 1-3/16"), (DIN376)

ETC.3

### Feature overview

	Morse Taper	Tap capacity	Slip clutch	Automatic reverse
ETC.2	MT3	M8 - M20 (5/16" - 3/4")	•	-
ETC.3	MT3	M14 - M30 (1/2" - 1-3/16")	•	-

## Twist drill and tap set

- Weldon connection 3/4"
- SSPI: Depth of Cut: 1 3/16"
- SSPI: 135° split point
- Short Tap, through holes with straight flute
- Ideal for low profile magnetic drilling machines
- For use in: Steel, Stainless steel, Aluminum, Copper, Brass, Tin, Plastics GRP/CRP, Grey cast iron
- Short Weldon SSPI: Ø 5/16", Ø 3/8", Ø 27/64"
- Short Weldon Tap: M3/8"-16NC, M7/16"-14NC, M1/2"-13NC

DTSW.3/8-1/2S



## Tap holders (Weldon)

All our tap holders are fitted with 3/4" Weldon shank

#### DIN 376

Tap holder	Shank	Code
M10	Ø 7 mm	TCM.10D376
M16	Ø 12 mm	TCM.16D376

#### ASA

Tap holder	Shank	Code
1/4"	Ø 6.5 mm	TCM.1/4"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
1"	Ø 20.2 mm	TCM.1"ASA





# Beveling Machines

**We probably don't need to teach you anything about welding, but we can make your job a lot easier! With the professional beveling solutions from Euroboor, you create clean edges and prepare welds in no-time, saving your energy, time and money. Try it out now and feel the difference!**

When you're considering a beveling machine, it's not only about speed, power and heavy machinery. Euroboor Beveling Machines are high quality, portable

and reliable without compromising on performance. With our machines you have less chance of undercuts or even brittle welds.

It doesn't matter if you need sheer power or high precision, we have it all at Euroboor. We offer you a wide range of machines for beveling, milling, deburring and chamfering on both plate and pipe materials. With our competitive price and multiple safety features, we support your craftsmanship even more!



# B60

## Beveling machine



Watch our machines in action on:  
[www.youtube.com/euroboorby](http://www.youtube.com/euroboorby)



### Technical data

Spindle speed	2,850 rpm
Max. bevel width	15/16" (45° angle)
Bevel angle	0° - 60°
Pipe diameter	Ø > 5 15/16"
Length	16 5/16"
Width	14 3/4"
Height	10 9/16"
Weight	49.2 lbs
Motor power	10.0 A
Voltage	110 - 120 V / 60 Hz

### Benefits

- Powerful high-efficiency motor
- Smooth control with clear, precise and simple (protected) control buttons
- Suitable for pipe material Ø > 5 15/16"
- Simple replacement and indexation of the cutting plates
- Wide and soft handles

### Features



**Adjustment**  
angle 0 - 60°



**Bevel width**  
0 - 15/16"



### Accessories B60



**Milling head**

**B60.0027**



**Carbide cutting plates**

(Sold per 10 pieces)

**LKS.15**



**Magnetic digital level box**

For measuring angles up to 90°

**MLB.90**

# B60S

## Beveling machine



Watch our machines in action on:  
[www.youtube.com/euroboorbv](http://www.youtube.com/euroboorbv)



### Technical data

Spindle speed	1,675 - 2,850 rpm
Max. bevel width	15/16" (45° angle)
Bevel angle	0° - 60°
Pipe diameter	Ø > 5 15/16"
Length	16 5/16"
Width	14 3/4"
Height	10 9/16"
Weight	54 lbs
Motor power	16.4 A
Voltage	110 - 120 V / 60 Hz

### Benefits

- Powerful high-efficiency motor
- Smooth control with clear, precise and simple (protected) control buttons
- Suitable for pipe material Ø > 5 15/16"
- Simple replacement and indexation of the cutting plates
- Wide and soft handles
- Exceptional powerful motor (16.4 A)
- Extremely suitable for stainless steel (with the use of stainless steel guide plate)
- Overload protection

### Features



Adjustable  
speed



Adjustment  
angle 0 - 60°



Bevel width  
0 - 15/16"



### Accessories B60S



**Stainless steel plate**  
 To use on stainless  
 steel materials.

**B60.1020S**



**Milling head**  
**B60.0027**



**Carbide cutting plates**  
 (Sold per 10 pieces)  
**LKS.15**



**Magnetic digital level box**  
 For measuring angles up to 90°  
**MLB.90**



# B45S

## Beveling machine



Watch our machines in action on:  
[www.youtube.com/euroboorby](http://www.youtube.com/euroboorby)



### Technical data

Spindle speed	1,750 - 5,250 rpm
Max. bevel width	1/4" (45° angle)
Min. diameter for inside bevels	13/16"
Spindle thread	M12 x 1.75
Length	18"
Width	5 3/8"
Height	11 13/16"
Weight	9.7 lbs
Motor power	11.4 A
Voltage	110 - 120 V / 60 Hz



### Benefits

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

### Features



**Adjustable speed**



**Overheat protection**



**Bevel width 0 - 1/4"**

### Accessories B45S



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

**LKS.20**



Carbide cutting plates  
 R 3/32" (Sold per 10 pieces)

**LKS.20-R**



**Milling head**

Angle 30°

**B45S.1011A**



Angle 45°

**B45S.1011**



R 3/32"

**B45S.1011B**



**Magnetic digital level box**

For measuring angles up to 90°

**MLB.90**

# BM45AIR

Mini Air Beveling machine



Watch our machines in action on:  
[www.youtube.com/euroboorbv](http://www.youtube.com/euroboorbv)



## Technical data

Spindle speed	28,000 rpm
Max. bevel width	1/16" (45°)
Length	5 29/32"
Height	1 25/32"
Weight	0.71 lbs
Air inlet	1/4"
Air hose	3/8"
Connector type	Euro type 1/4"
Avg. air consumption	0.15 m³/min (5 SCFM)
Working pressure	90 - 115 psi



## Benefits

- Compact and great ergonomic design
- Lightweight machine
- Including 2x 45° and 2x R 1/16" cutting plates
- Safety lever trigger to prevent accidental starts
- Bevel depth indicator for precise adjustment of the bevel size
- 6-speed air speed regulator

## Features



**Working pressure**  
90 - 115 PSI



**Bevel width**  
1/16"  
(45°) max.

## Accessories BM45AIR



Cutting plate for steel. Angle 45°. (Sold per 10 pieces)

**BM45AIR.45ST**



Cutting plate radius 1/16" for steel. (Sold per 10 pieces)

**BM45AIR.R1.5**



Cutting plate for stainless steel. Angle 45°. (Sold per 10 pieces)

**BM45AIR.45SS**



Cutting plate for aluminum. Angle 45°. (Sold per 10 pieces)

**BM45AIR.45ALU**



Screw for BM45AIR cutting plate. Sold per piece.

**BM45AIR.0009**



**Magnetic digital level box**  
For measuring angles up to 90°

**MLB.90**

# EBG.600/18V

## Battery Operated Electric Die Grinder



Watch our machines in action on:  
[www.youtube.com/euroboorby](http://www.youtube.com/euroboorby)



### Technical data

Speed (no load)	7,000 – 26,000 rpm
Motor power	800 W
Connection	1/4" Collet
Length	17 11/16"
Width	3 1/8"
Height	3 1/4"
Weight	33 lbs
Battery capacity	18 V 5 Ah Li-ion, 18 V 9 Ah Li-ion

### Benefits

- Lightweight, small and compact design for use in tight spaces
- Easy to hold and carry
- Ideal for finishing dies, press working, die casting and moulding work
- Powerful 18V battery
- Compatible with the Makita LXT18V battery platform
- Brushless technology



### Features



Adjustable  
speed



Brushless  
motor



Battery  
operated



Makita  
LXT 18V  
platform

### Accessories



**Batteries 5Ah and 9Ah**  
**EB5A, EB9A**



**Charger**  
**EBC1** Battery not included.

# ADG.2(A/S/E)

Air die grinders



Watch our machines in action on:  
[www.youtube.com/euroboorbv](http://www.youtube.com/euroboorbv)



## Technical data

	ADG.2A	ADG.2S	ADG.2E
Weight	1.16 lbs	1.47 lbs	2.89 lbs
Free speed	20,000 rpm		22,000 rpm
Collet	1/4"		
Air inlet (PT)	1/4"		
Air hose (ID)	3/8"		
Avg. air consumption	4 SCFM (0,113 m³/min)	5 SCFM (0,142 m³/min)	
Working pressure	90 psi (6.3 bar)		
Length	7 5/8"		13 5/16"
Height	2 3/4"		

## Benefits

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

ADG.2E



ADG.2A



ADG.2S



## Features



**Adjustable speed**



**Working pressure**  
 90 psi  
 (6.3 bar)

## Available as

- Luxury case
- Standard 1/4" and 1/8" collet

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





# Carbide Rotary Burrs

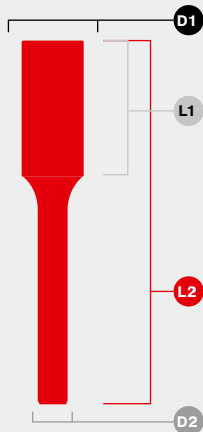
Our carbide rotary burrs are available in different cuts, models and sizes. All with their own characteristics and capabilities. Due to our innovative shape and welding technique, the burrs have high durability and

due to advanced heat treatments the carbide rotary burrs are long lasting and capable of high stock removal with fine grains. This makes the Euroboor carbide burrs perfectly suitable for all kind of situations.

	Cast iron	Cast steel	Unhardened steels	Hardened steels	Low alloy steels	High alloy steels	Heat treated steels	Stainless steel	Titanium alloy	Brass	Bronze / Copper	Plastics	Aluminum	Zinc alloy
Double cut	•	•	•		•			•		•	•			
Non Ferro												•	•	•

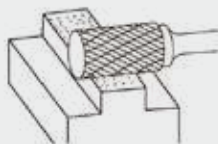
## Type A

Without end cut



### Double cut

D1	D2	L1	L2	Code
1/4	1/4	5/8	2-3/8	SA-1DC
5/16	1/4	3/4	2-1/2	SA-2DC*
3/8	1/4	3/4	2-1/2	SA-3DC
3/8	1/4	3/4	6-3/4	SA-3X6DC
1/2	1/4	1	2-3/4	SA-5DC
1/2	1/4	1	2-3/4	SA-5X6DC
5/8	1/4	1	2-3/4	SA-6DC
3/4	1/4	1	2-3/4	SA-7DC
1	1/4	1	2-3/4	SA-9DC

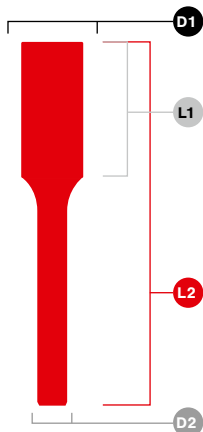


### Non Ferro

D1	D2	L1	L2	Code
1/2	1/4	1	2-3/4	SA-5NF

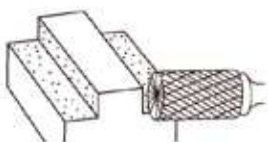
## Type B

With end cut



### Double cut

D1	D2	L1	L2	Code
1/4	1/4	5/8	2-3/8	SB-1DC
5/16	1/4	3/4	2-1/2	SB-2DC*
3/8	1/4	3/4	2-1/2	SB-3DC
1/2	1/4	1	2-3/4	SB-5DC
5/8	1/4	1	2-3/4	SB-6DC*
3/4	1/4	1	2-3/4	SB-7DC
1	1/4	1	2-3/4	SB-9DC

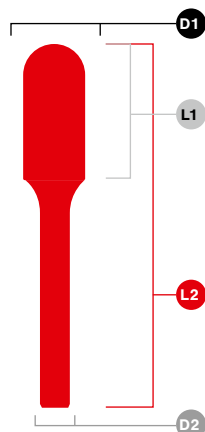


\* Call for inventory availability



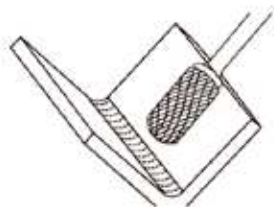
## Type C

Ball nose cylinder



### Double cut

D1	D2	L1	L2	Code
1/4	1/4	5/8	2-3/8	SC-1DC
5/16	1/4	3/4	2-1/2	SC-2DC*
3/8	1/4	3/4	2-1/2	SC-3DC
1/2	1/4	1	2-3/4	SC-5DC
1/2	1/4	1	7	SC-5X6DC
5/8	1/4	1	2-3/4	SC-6DC*
3/4	1/4	1	2-3/4	SC-7DC
1	1/4	1	2-3/4	SC-9DC

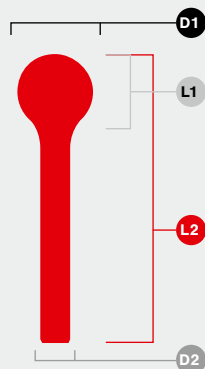


### Non Ferro

D1	D2	L1	L2	Code
1/2	1/4	1	2-3/4	SC-5NF

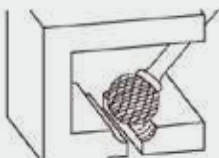
## Type D

Ball



### Double cut

D1	D2	L1	L2	Code
1/4	1/4	7/32	2	SD-1DC*
5/16	1/4	1/4	2	SD-2DC*
3/8	1/4	5/16	2-1/16	SD-3DC
1/2	1/4	7/16	2-1/5	SD-5DC
1/2	1/4	7/16	6-1/2	SD-5X6DC
5/8	1/4	9/16	2-1/3	SD-6DC*
3/4	1/4	11/16	2-4/9	SD-7DC
1	1/4	15/16	2-2/3	SD-9DC

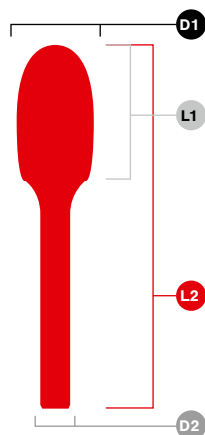


### Non Ferro

D1	D2	L1	L2	Code
1/2	1/4	7/16	2-1/5	SD-5NF

## Type E

Oval



### Double cut

D1	D2	L1	L2	Code
1/4	1/4	3/8	2-1/8	SE-1DC
5/16	1/4	1/2	2-1/4	SE-2DC*
3/8	1/4	5/8	2-3/8	SE-3DC
1/2	1/4	7/8	2-5/8	SE-5DC
5/8	1/4	1	2-3/4	SE-6DC*
3/4	1/4	1	2-3/4	SE-7DC



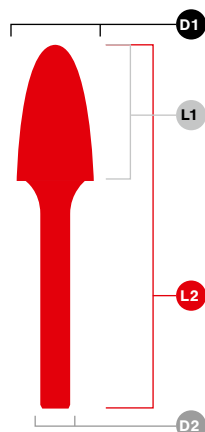
### Non Ferro

D1	D2	L1	L2	Code
1/2	1/4	7/16	2-5/8	SE-5NF

\* Call for inventory availability

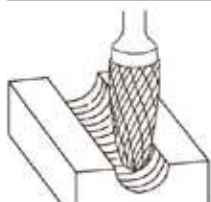
## Type F

Ball nose tree



### Double cut

D1	D2	L1	L2	Code
1/4	1/4	5/8	2-3/8	SF-1DC
5/16	1/4	3/4	2-1/2	SF-2DC*
3/8	1/4	3/4	2-1/2	SF-3DC
3/8	1/4	3/4	6-3/4	SF-3X6DC
1/2	1/4	1	2-3/4	SF-5DC
1/2	1/4	1	7	SF-5X6DC
5/8	1/4	1	2-3/4	SF-6DC*
3/4	1/4	1	2-3/4	SF-7DC
1	1/4	1	2-3/4	SF-9DC*

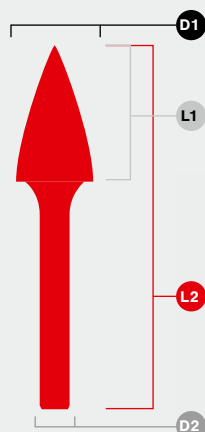


### Non Ferro

D1	D2	L1	L2	Code
3/8	1/4	3/4	2-1/2	SF-3NF
3/8	1/4	3/4	6-3/4	SF-3X6NF
1/2	1/4	1	2-3/4	SF-5NF
3/4	1/4	1	2-3/4	SF-7NF

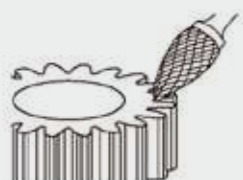
## Type G

Arc pointed tree



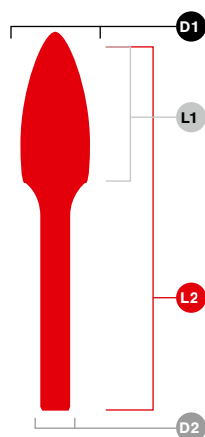
### Double cut

D1	D2	L1	L2	Code
1/4	1/4	5/8	2-3/8	SG-1DC
5/16	1/4	3/4	2-1/2	SG-2DC*
3/8	1/4	3/4	2-1/2	SG-3DC
1/2	1/4	1	2-3/4	SG-5DC
1/2	1/4	1	7	SG-5X6DC
5/8	1/4	1	2-3/4	SG-6DC
3/4	1/4	1	2-3/4	SG-7DC



## Type H

Flame



### Double cut

D1	D2	L1	L2	Code
1/4	1/4	5/8	2-3/8	SH-1DC*
5/16	1/4	3/4	2-1/2	SH-2DC
3/8	1/4	1	2-3/4	SH-3DC*
1/2	1/4	1-1/4	3	SH-5DC
5/8	1/4	1-7/16	3-1/4	SH-6DC*
3/4	1/4	1-5/8	3-3/8	SH-7DC

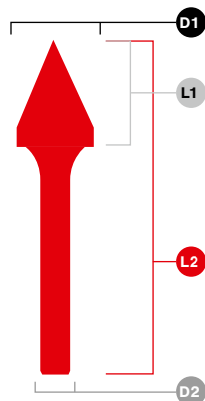


\* Call for inventory availability



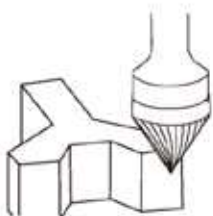
## Type J

60 degree cone



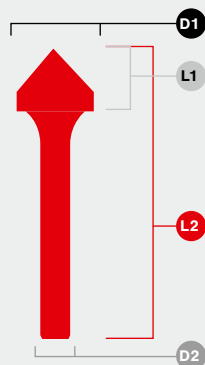
### Double cut

D1	D2	L1	L2	Code
1/4	1/4	3/16	2	SJ-1DC*
3/8	1/4	5/16	2-1/5	SJ-3DC*
1/2	1/4	7/16	2-1/3	SJ-5DC
5/8	1/4	9/16	2-4/9	SJ-6DC*
3/4	1/4	11/16	2-5/9	SJ-7DC*
1	1/4	15/16	2-7/9	SJ-9DC*



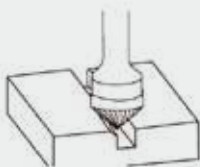
## Type K

90 degree cone



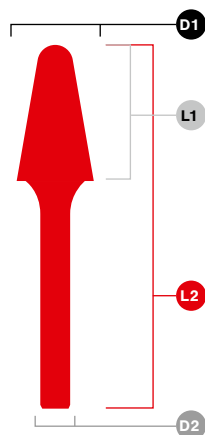
### Double cut

D1	D2	L1	L2	Code
1/4	1/4	1/8	2	SK-1DC*
3/8	1/4	3/16	2-1/16	SK-3DC*
1/2	1/4	1/4	2-1/9	SK-5DC
5/8	1/4	5/16	2-1/4	SK-6DC*
3/4	1/4	3/8	2-1/3	SK-7DC*
1	1/4	1/2	2-3/8	SK-9DC*



## Type L

Ball nose cone



### Double cut

D1	D2	L1	L2	Code
1/4	1/4	5/8	2-3/8	SL-1DC
5/16	1/4	7/8	2-3/4	SL-2DC*
3/8	1/4	1	3	SL-3DC
3/8	1/4	1	7-1/16	SL-3X6DC
1/2	1/4	1-1/8	3	SL-4DC
1/2	1/4	1-1/8	7-1/8	SL-4X6DC
5/8	1/4	1-3/16	4-1/8	SL-5DC
3/4	1/4	1-1/2	3-3/8	SL-7DC



\* Call for inventory availability

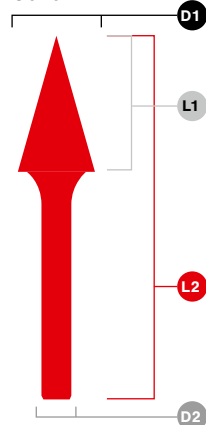
### Non Ferro

D1	D2	L1	L2	Code
3/8	1/4	1	3	SL-3NF
1/2	1/4	1-1/8	3	SL-4NF



## Type M

Cone



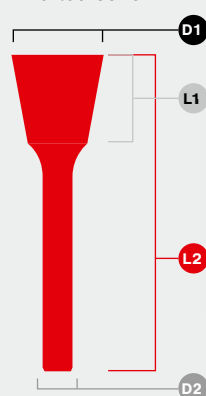
### Double cut

D1	D2	L1	L2	Code
1/4	1/4	3/4	2-1/2	SM-1DC*
3/8	1/4	5/8	2-1/2	SM-3DC
3/8	1/4	5/8	2-1/2	SM-4DC
1/2	1/4	7/8	2-3/4	SM-5DC
5/8	1/4	1	2-8/9	SM-6DC



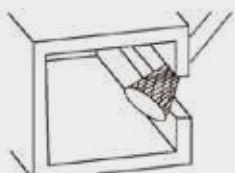
## Type N

Inverted cone



### Double cut

D1	D2	L1	L2	Code
1/4	1/4	5/16	2-1/16	SN-1DC*
3/8	1/4	3/8	2-1/9	SN-3DC*
1/2	1/4	1/2	2-1/4	SN-4DC*
5/8	1/4	3/4	2-1/2	SN-5DC*



\* Call for inventory availability

# Applications

### Double cut carbide burr



Double cut burrs allow rapid stock removal. The finer toothed surface provides high stock removal with fine and short chips for high control and great surface finish.

### Non Ferro carbide burr



They are especially designed to have a high stock removal on non-ferrous materials.



#### Samurai precision

Advanced Japanese heat treatment technology is applied on the Euroboor rotary burrs, improving the strength of the steel, creating sharper edges on the burr and give wear resistance.

#### More stock removal, less time

Thanks to the design and the characteristics of tungsten carbide, Euroboor rotary burrs provide high stock removal. This saves a lot of time and energy.

# Carbide Rotary Burrs

#### Long Lasting

Due to the innovative surface treatment and the choice of materials, the Euroboor rotary burrs are long lasting and therefore perfect for usage over a longer period of time.

#### Long lasting

The improved welding technology on the shank is making the burrs very strong and capable of handling high forces and high temperatures without breaking.

#### Conical shaped shank

The advanced conical shape of the shank divides the pressure over a larger area, making the burr even less likely to break under high forces.

#### High durability – Less waste

All of our research, innovations and applied technologies brings you high quality rotary burrs that are suited for the toughest of jobs, without breaking or losing performance. This means no more waste of burrs and money. That makes Euroboor burrs the best choice for you!









# EDC.355

Dry cut saw



Watch our machines in action on:  
[www.youtube.com/euroboorbv](http://www.youtube.com/euroboorbv)



## Technical data

Dimensions (l x w x h)	24 7/16" x 13 3/4" x 24 13/16"
Weight	41 lbs
Motor power	11 A
Cutting speed (no load)	1,450 rpm
Cutting angle	adjustable, 0° - 45°
Bore size	Ø 1"
Cutting capacity at 0°	● 4 3/4"
	■ 4 1/8" x 4 1/8"
	■ 3 9/16" x 5 11/16"
Cutting capacity at 45°	● 3 9/16"
	■ 3 1/8" x 3 1/8"
	■ 3 9/16" x 3 1/8"
Max. Ø saw blade	14"
Voltage	110 - 120 V / 60 Hz

## Benefits

- Adjustable sawing angle from 0° to 45°
- Molded aluminum base with adjustable angle indication.
- 3 attachment points to fix the machine to your workbench.
- Ergonomic handle and locking pin to easily carry the machine
- Safety button for protection against accidental start-up.
- Transparent protective shield for safely discharging of the chips
- Robust clamp for very precise clamping of materials
- Dust collection tray for a cleaner workspace
- Built-in soft-start functionality



Mounting holes



Easy blade replacement



Dust collection tray



Adjustable vice 0° - 45°



## Features



Cutting capacity  
4 3/4"



Adjustment angle  
0 - 45°

## Saw blades 14"



Saw blade 14",  
66 teeth, bore 1"

130.355/66



**Included**  
Saw blade 14",  
66 teeth, bore 1",  
for mild steel

130.355/66/M



Saw blade 14",  
80 teeth, bore 1"

130.355/80

# EDC.355/36V

Battery Operated  
Dry cut saw



Watch our machines in action on:  
[www.youtube.com/euroboorbv](http://www.youtube.com/euroboorbv)



## Technical data

Dimensions (l x w x h)	21 1/4" x 13 13/16" x 23 5/8"
Weight	46.3 lb
Motor power	3,000 W
Cutting speed (no load)	1,200 rpm
Cutting angle	adjustable, 0° - 45°
Bore size	Ø 1"
Cutting capacity at 0°	● 4 3/4"
	■ 4 1/8 x 4 1/8"
	■ 3 9/16 x 5 11/16"
Cutting capacity at 45°	● 3 3/4"
	■ 3 1/8 x 3 1/8"
	■ 3 9/16 x 3 1/8"
Max. Ø saw blade	14"
Voltage	18 V 9 Ah Li-ion (x2)

## Benefits

- Battery-powered motor system
- Adjustable sawing angle from 0° to 45°
- Molded aluminum base with adjustable angle indication.
- 3 attachment points to fix the machine to your workbench.
- Ergonomic handle and locking pin to easily carry the machine
- Safety button for protection against accidental start-up.
- Transparent protective shield for safely discharging of the chips
- Robust clamp for very precise clamping of materials
- Dust collection tray for a cleaner workspace
- Built-in soft-start functionality
- Brushless technology

## Features



Brushless  
motor



Battery  
operated



Makita  
LXT 18V  
platform



Cutting  
capacity  
4 3/4"



Adjustment  
angle  
0 - 45°

## Accessories



**Battery 9Ah 18V**  
EB9A



**Charger**  
EBC1

## Saw blades 14"



Saw blade 14",  
66 teeth, bore 1"

130.355/66



Saw blade 14",  
66 teeth, bore 1",  
for mild steel

130.355/66/M



Saw blade 14",  
80 teeth, bore 1"

130.355/80



Battery operated



Mounting holes



Dust collection tray



Adjustable vice 0° - 45°



(Batteries are not included as standard)

# Lifting magnets



Watch our machines in action on:  
[www.youtube.com/euroboorby](http://www.youtube.com/euroboorby)



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

## Safety factor 3.5

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

## Benefits:

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

Model	ELM.125	ELM.250	ELM.500	ELM.1000	ELM.2000
Length	6 7/8"	8 3/8"	11 5/16"	13 1/4"	22"
Width	3"	3 1/4"	4 7/16"	5 13/16"	6 1/16"
Height	5 1/4"	6 5/16"	7 11/16"	9 3/16"	11 5/8"
Width of eye	1 3/16"	1 9/16"	1 5/8"	2 1/16"	2 1/16"
Weight	14.3 lbs	20.7 lbs	46.7 lbs	94.8 lbs	209.6 lbs
Workload limit flat material	250 lbs	500 lbs	1,000 lbs	2,000 lbs	4,000 lbs
Workload limit round material	120 lbs	250 lbs	500 lbs	1,000 lbs	2,000 lbs
Plate minimal thickness	9/16"	1"	1 3/16"	1 37/64"	2 11/64"
Round min - max thickness (Ø)	1 9/16" - 3 5/22"	2" - 4"	4" - 9 27/32"	5 29/32" - 14 61/65"	7 3/22" - 17 23/32"
Max. operation temp.	< 176°	< 176°	< 176°	< 176°	< 176°







Lifting magnet 250 lbs

ELM.125



Lifting magnet 500 lbs

ELM.250



Lifting magnet 1,000 lbs

ELM.500



Lifting magnet 2,000 lbs

ELM.1000



Lifting magnet 4,000 lbs

ELM.2000





### World wide

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



### Stock

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



### Fast delivery

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



### Tech support

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



### Premium parts

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

# Metal workers choice



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

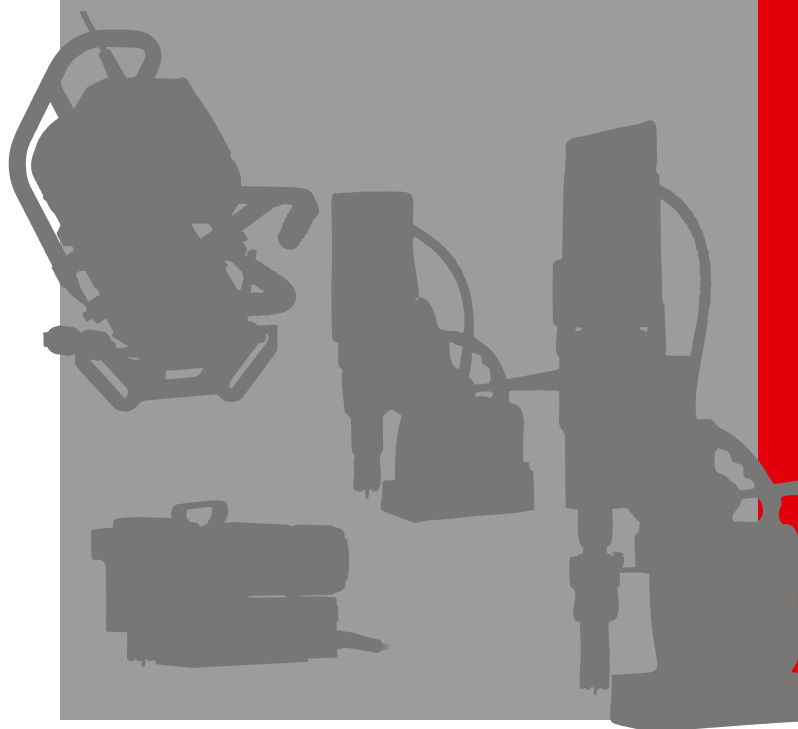
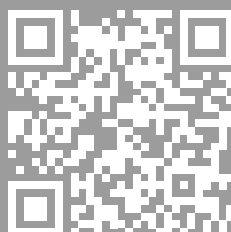
## Don't forget! Register your machine

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

### Registration benefits:

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

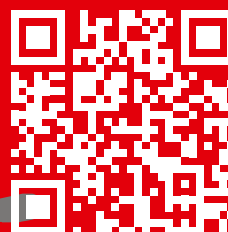
Go to the support page on [www.euroboor.com](http://www.euroboor.com) or just scan the QR code below.



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Visit our website to subscribe to our newsletter, or just scan the QR code below.





## Abridged version of the general terms and conditions

of (i) EUROBOOR B.V., in Zoetermeer The Netherlands, (ii) Euroboor USA Inc., Hayden, USA.,  
(v) MEEBS FZE, Sharjah, UAE, (vi) Euroboor Metal Constructions Instruments Co., Zhangjiagang, China

### 1. General

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

### 2. Quotations

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

### 3. Agreements

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

### 4. Prices

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

### 5. Deliveries and leadtimes

Delivery times are stated as approximate. Excess of delivery times does not give rise to any claims for damages by the customer in any event. Cancellation is only permitted after repeated excess of delivery times, and only following written notice of default by the customer.

### 6. Liability

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

### 7. Complaints

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

### 8. Payment and retention of title

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

### 9. Disputes and applicable law

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

## Euroboor worldwide



The Netherlands



Brasil



China



United States of America



United Arab Emirates



[www.euroboor.com](http://www.euroboor.com)



#### **The Netherlands office**

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e [info.nl@euroboor.com](mailto:info.nl@euroboor.com)

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e [contato.br@euroboor.com](mailto:contato.br@euroboor.com)

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[www.euroboor.com](http://www.euroboor.com)

 **EUROBOOR**  
FOR PROFESSIONALS BY PROFESSIONALS

