

# Portable industrial tools for professionals

Exceeding customer expectations since 1977



Catalog - USA

## Our mission:

"Exceeding customer expectations by developing and providing premium and innovative portable drilling and cutting solutions". The Netherlands office Kryptonstraat 110 2718 TD Zoetermeer t +31(0)79 361 49 90 e info.nl@euroboor.com

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Design and lay-out VormPro (NL)

This catalog is for those interested in our company. For more information contact us by email or phone.

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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, 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. This belief 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. Our 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 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 sustainability, time savings and 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



N

**Tailor-Made** 

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

The production of our Magnetic Drilling Machines takes place in our own and highly organized 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 selfproduced 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 minimize usage or 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.

Magnetic Drill	ECO.30	ECO.32 / ECO.32-T	ECO.40/2	ECO.40S	ECO.50 / ECO.50-T	ECO.50S
Annular cutting	Ø 7/16" - 1 3/16"	Ø 7/16" - 1 1/4"	Ø 7/16" - 1 9/16"	Ø 7/16" - 1 9/16"	Ø 7/16" - 2"	Ø 7/16" - 2"
Twist drilling	Ø 1/16" - 1/2" (Weldon)	Ø 1/16" - 1/2"	Ø 1/16" - 1/2"	Ø 1/16" - 5/8"	Ø 1/16" - 15/16"	Ø 1/16" - 15/16"
Countersinking	Ø 3/8" - 1 3/8"	Ø 3/8" - 1 9/16"	Ø 3/8" - 1 3/4"	Ø 3/8" - 1 3/4"	Ø 3/8" - 2 3/16"	Ø 3/8" - 2 3/16"
Threading	n/a	Ø 1/8" - 1/2" (ECO.32-T)	n/a	n/a	Ø 1/8" - 13/16" (ECO.50-T)	n/a
Length	10 13/16"	12 5/8"	12 5/8"	10 3/8"	12 5/8"	12 5/8"
Width	7 1/2"	8 1/4"	8 1/4"	7 1/16"	8 1/4"	7 7/8"
Height	11 9/16" - 15 1/16"	14 9/16" - 20 3/16"	15 9/16" - 21 1/4"	14 3/16" - 17 5/16"	15 3/16" - 21 1/4"	17 1/2" - 24 3/16"
Stroke	3 9/16"	5 15/16"	5 15/16"	5 11/16"	6 11/16"	6 11/16"
Weight	18.7 lbs	26.5 lbs	26.5 lbs	24.7 lbs	29.8 lbs	24.7 lbs
Magnet (Ixwxh)	6 5/16"x3 1/8"x1 7/16"	6 5/16"x3 1/8"x1 5/8"	6 5/16"x3 1/8"x1 5/8"	6 5/16"x3 1/8"x1 5/8"	6 11/16"x3 3/8"x1 7/8"	6 5/16"x3 1/8"x1 5/8
Magnetic force	2645 lbs	3305 lbs	3305 lbs	3305 lbs	4080 lbs	3750 lbs
Motor power	8.2 A	9.1 A	9.5 A	10.5 A	11.4 A	11.4 A
Total power	8.6 A	9.5 A	10 A	10.9 A	12.5 A	11.8 A
Speed (no load)	I 775 rpm	I 775 rpm (ECO.32) I 600 rpm (ECO.32-T)	I 720 rpm II 1300 rpm	I 600 rpm	I 380 rpm (EC0.50) I 100 - 280 rpm (EC0.50-T) II 690 rpm (EC0.50) II 185 - 530 rpm (EC0.50-T)	·
Speed (load)	I 400 rpm (8.2 A)	I 440 rpm (9.1 A) (ECO.32) I 225 rpm (9.1 A) (ECO.32-T)	I 315 rpm II 560 rpm (9.5 A)	I 380 rpm (10.5 A)	I 235 rpm (11.4 A, ECO.50) I 250 rpm (11.4 A, ECO.50-T) II 425 rpm (11.4 A, ECO.50) II 460 rpm (11.4 A, ECO.50-T)	I 235 rpm II 415 rpm (11.4 A)
Spindle (Weldon)	3/4"	3/4"	3/4"	3/4"	MT2 3/4"	MT3 3/4"
Power source	110 - 120 V / 60 Hz					

Specials	F16	TUBE.30	TUBE.55-T	ECO.36	EBM.360	AIR.52/3
Annular cutting	n/a	Ø 7/16" - 1 3/16"	Ø 7/16" - 2 3/16"	Ø 7/16" - 1 7/16"	Ø 7/16" - 1 7/16"	Ø 7/16" - 2 1/16"
Twist drilling	Ø 1/16" - 5/8"*	Ø 1/16" - 1/2" (Weldon)	Ø 1/16" - 15/16"	Ø 1/16" - 9/16" (Weldon)	Ø 1/16" - 1/2"	Ø 1/16" - 1/2"
Countersinking	n/a*	Ø 3/8" - 1 3/8"	Ø 3/8" - 2 3/8"	Ø 3/8" - 1 9/16"	Ø 3/8" - 1 9/16"	Ø 3/8" - 1 9/16"
Threading	n/a	n/a	Ø 1/8" - 13/16"	n/a	n/a	n/a
Length	12 3/16"	10 13/16"	12 5/8"	12 13/16"	11 11/16"	13 3/8"
Width	6 11/16"	7 1/4"	8 1/4"	5 5/16"	4 7/16"	9 13/16"
Height	12 3/16" - 19 1/2"	12 13/16" - 16 3/8"	20 9/16" - 27 1/4"	6 1/2"	16 9/16" - 24"	22 1/16"
Stroke	6 11/16"	3 9/16"	6 11/16"	1 9/16"	9 1/16"	4 3/4"
Weight	16.5 lbs	24.3 lbs	38.8 lbs	22.7 lbs	33 lbs	28.7 lbs
Magnet (Ixwxh)	6 5/16"x3 1/8"x1 7/16"	7 3/8"x6 1/2"x3 1/4"	10 1/2"x9 7/16"x3 1/4"	3 1/8"x6 5/16"x1 7/16"	6 5/16"x3 1/8"x1 5/8"	8 11/16 x2 15/16"x1 7/8"
Magnetic force	2645 lbs	1175 lbs	1895 lbs	2645 lbs	3750 lbs	2205 lbs
Motor power	n/a*	8.2 A	14.6 A	9.5 A	35.1 A DC	n/a
Total power	n/a*	8.6 A	15.4 A	10 A	36.5 A DC	n/a
Speed (no load)	n/a*	I 775 rpm	I 60 - 275 rpm II 100 - 500 rpm	I 700 rpm	I 506 rpm	I 400 rpm
Speed (load)	n/a*	I 400 rpm (8.2 A)	I 60 - 275 rpm II 100 - 500 rpm (14.6 A)	I 400 rpm (9.5 A)	I 375 rpm (35.1 A)	-
Spindle (Weldon)	n/a*	3/4"	MT3 3/4"	3/4"	3/4"	MT3 3/4"
Power source	110 - 120 V / 60 Hz				37 V Battery 2.6 Ah li-ion	Air, min. 6,3 bar (90 PSI) 0,9 m³/min

\* Requires separate hand drill

lagnetic Drill	ECO.55 / ECO.55-T	ECO.55-A / ECO.55-TA	ECO.60S	ECO.80/4	ECO.100/4 (D)	ECO.200
Annular cutting	Ø 7/16" - 2 3/16"	Ø 7/16" - 2 3/16"	Ø 7/16" - 2 3/8"	Ø 7/16" - 3 1/8"	Ø 7/16" - 4"	Ø 7/16" - 8"
Twist drilling	Ø 1/16" - 15/16"	Ø 1/16" - 15/16"	Ø 1/16" - 15/16"	Ø 1/16" - 1 1/4"	Ø 1/16" - 1 1/4"	Ø 1/16" - 1 3/4"
Countersinking	Ø 3/8" - 2 3/8"	Ø 3/8" - 2 3/8"	Ø 3/8" - 2 9/16"	Ø 3/8" - 3 3/8"	Ø 3/8" - 4 1/8"	Ø 3/8" - 8 1/16"
Threading	Ø 1/8" - 13/16" (ECO.55-T)	Ø 1/8" - 13/16" (ECO.55-TA)	n/a	n/a	Ø 1/8" - 1 3/16"	n/a
Length	12 5/8"	13 9/16"	12 5/8"	14 3/8"	14 3/8"	18 7/8"
Width	7 7/8"	12"	7 7/8"	12 3/16"	12 3/16"	10 1/4"
Height	19 5/16" - 26"	19 5/16" - 26"	17 13/16" - 24 1/2"	20 1/16" - 27 15/16"	20 1/16" - 27 15/16" (100/4 D + 3/16")	26" - 33 1/16"
Stroke	6 11/16"	6 11/16"	6 11/16"	10 1/4"	10 1/4"	7 1/16"
Weight	30.3 lbs	34.8 lbs	28.7 lbs	61.7 lbs	61.7 lbs	116.8 lbs
Magnet (Ixwxh)	(ECO.55)	6 11/16"x3 3/8"x1 7/8" (ECO.55-A) 6 5/8"x3 5/16"x1 15/16" (ECO.55-TA)	6 5/8"x3 5/16"x1 15/16"	8 11/16"x4 5/16"x2 1/2"	8 11/16"x4 5/16"x2 1/2"	13"x4 5/16"x2 1/2"
Magnetic force	4080 lbs	4080 lbs	4080 lbs	6615 lbs	6615 lbs	8600 lbs
Motor power	14.5 A	14.5 A	14.5 A	15.4 A	17.3 A	32.7 A
Total power	15.4 A	15.4 A	15.4 A	16.4 A	18.6 A	34.5 A
Speed (no load)	I 60 - 275 rpm II 100 - 500 rpm	I 60 - 275 rpm II 100 - 500 rpm	I 60 - 275 rpm II 100 - 500 rpm	I 200 rpm II 300 rpm III 415 rpm IV 650 rpm	I 42 - 110 rpm II 65 - 190 rpm III 140 - 400 rpm IV 220 - 620 rpm	I 70 - 150 rpm II 170 - 410 rpm
Speed (load)	I 60 - 275 rpm II 100 - 500 rpm (14.5 A)	I 60 - 275 II 100 - 500 rpm (14.5 A)	I 60 - 275 rpm II 100 - 500 rpm (14.5 A)	I 150 rpm II 200 rpm III 275 rpm IV 400 rpm (15.4 A)	I 85 rpm II 152 rpm III 270 rpm IV 480 rpm (17.3 A)	I 70 - 150 rpm II 170 - 410 rpm (32.7 A)
Spindle (Weldon)	MT3 3/4"	MT3 3/4"	MT3 3/4"	MT3 3/4"	MT3 3/4"	MT4 1 1/4"
Power source	110 - 120 V / 60 Hz					

## 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: Quality, Focus, Efficiency and Tailor-made. 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.







Small scale fabrication

## **ECO.30**

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

- Lightest corded Ø 1 3/16" Magnetic Drilling Machine: most compact in class and incredibly easy to handle
- Direct spindle drive and integrated tool cooling and lubrication
- Integrated slide and one-speed gearbox for high accuracy, enlarged lifecycle and minimal vibration
- High precision height adjustment for low maintenance and minimal wear correction
- Strong dual coil CNC machined magnet

### Lightest corded Ø 1 3/16" Mag Drill in the market

Technical data	
Annular cutting	Ø 7/16" - 1 3/16"
Twist drilling (Weldon)	Ø 1/16" - 1/2"
Countersinking	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 (I x w x h)	6 5/16" x 3 1/8" x 1 7/16"
Magnetic force	2645 lbs
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





#### **Drilling machines** Small scale fabrication

### Key specs:

weight

Z	Ø	
Ø 1 1/4"	Ø 1/2"	Ø 1 9/16"
annular cutting	twist drilling	countersinking
Â	()	Ω
26.5 lbs	9.1 A	3305 lbs

motor power

magnet force



5 15/16" stroke



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

- One-speed gearbox
- Detachable spindle drive and integrated tool cooling and lubrication
- High precision height adjustment for low maintenance and minimal wear
- Strong dual coil CNC machined magnet



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	26.5 lbs
Magnet (I x w x h)	6 5/16" x 3 1/8" x 1 5/8"
Magnetic force	3305 lbs
Motor power	9.1 A
Total power	9.5 A
Speed (no load)	I 775 rpm
Speed (load 9.1 A)	I 440 rpm
Spindle (Weldon)	3/4"
Voltage	110 - 120 V / 60 Hz

Small scale fabrication

## ECO.32-T

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

- Particularly suitable for tapping
- One-speed gearbox
- (Counter)clockwise rotating functionality and electronic speed adjustment
- Detachable spindle drive and Integrated tool cooling and lubrication
- High precision height adjustment for low maintenance and minimal wear correction
- Strong dual coil CNC machined magnet

### Key specs:



Annular cutting	Ø 7/16" - 1 1/4"
Twist drilling	Ø 1/16" - 1/2"
Countersinking	Ø 3/8" - 1 9/16"
Threading	Ø 1/8" - 1/2"
Length	12 5/8"
Width	8 1/4"
Height	14 9/16" - 20 3/16"
Stroke	5 15/16"
Weight	26.5 lbs
Magnet (I x w x h)	6 5/16" x 3 1/8" x 1 5/8"
Magnetic force	3305 lbs
Motor power	9.1 A
Total power	9.5 A
Speed (no load)	I 775 rpm
Speed (load 9.1 A)	I 440 rpm
Spindle (Weldon)	MT2 3/4"
Voltage	110 - 120 V / 60 Hz

Technical data

### Key specs:





Z



magnet force

5 5/16"

stroke

1 ECO 40/2

Shown extras not included.

### **Drilling machines** Big scale fabrication

## ECO.40/2

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

Particularly suitable for twist drilling

- Detachable spindle drive and integrated tool cooling and lubrication
- Integrated slide and two-speed gearbox for high accuracy, enlarged lifecycle and minimal vibration
- High precision height adjustment for low maintenance and minimal wear correction
- Strong dual coil CNC machined magnet

### Specially designed for twist drilling

Technical data		
Annular cutting	Ø 7/16" - 1 9/16"	
Twist drilling	Ø 1/16" - 1/2"	
Countersinking	Ø 3/8" - 1 3/4"	
Length	12 5/8"	
Width	8 1/4"	
Height	15 9/16" - 21 1/4"	
Stroke	5 15/16"	
Weight	26.5 lbs	
Magnet (I x w x h)	6 5/16" x 3 1/8" x 1 5/8"	
Magnetic force	3305 lbs	
Motor power	9.5 A	
Total power	10 A	
Speed (peleed)	I 720 rpm	
Speed (no load)	II 1300 rpm	
Speed (load 9.5 A)	I 315 rpm	
	II 560 rpm	
Spindle (Weldon)	3/4"	
Voltage	110 - 120 V / 60 Hz	



Big scale fabrication

## **ECO.40S**

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

- Lightest Ø 1 9/16" Magnetic Drilling Machine
- Fits cutters up to 4 5/16" DoC
- High efficiency motor with less heath generation
- High accuracy capstan hub
- Direct spindle drive and integrated tool cooling and lubrication
- Integrated slide and one-speed oil lubricated gearbox for high accuracy, enlarged lifecycle and minimal vibration
- High precision height adjustment for low maintenance and minimal wear correction
- Strong dual coil CNC machined magnet



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

### Lightest Ø 1 9/16" Mag Drill in the market

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	24.7 lbs
Magnet (I x w x h)	6 5/16" x 3 1/8" x 1 5/8"
Magnetic force	3305 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



#### Drilling machines Big scale fabrication

### Key specs:



## **ECO.50**

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

- Two-speed gearbox
- Morse Taper 2 spindle with integrated tool cooling and lubrication
- High precision height adjustment for low maintenance and minimal wear correction
- Strong dual coil CNC machined magnet

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	8 1/4"
Height	15 3/16" - 21 1/4"
Stroke	6 11/16"
Weight	29.8 lbs
Magnet (I x w x h)	6 11/16" x 3 3/8" x 1 7/8"
Magnetic force	4080 lbs
Motor power	11.4 A
Total power	12.5 A
Speed (no load)	I 380 rpm II 690 rpm
Speed (load 11.4 A)	I 235 rpm II 425 rpm
Spindle (Weldon)	3/4"
Voltage	110 - 120 V / 60 Hz

Big scale fabrication

## ECO.50-T

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

- Particularly suitable for tapping
- Two-speed gearbox
- (Counter)clockwise functionality and electronic speed adjustment
- Heat protection
- Morse Taper 2 spindle with integrated tool cooling and lubrication
- High precision height adjustment for low maintenance and minimal wear correction
- Strong dual coil CNC machined magnet

Technical data		
Annular cutting	Ø 7/16" - 2"	
Twist drilling	Ø 1/16" - 15/16"	
Countersinking	Ø 3/8" - 2 3/16"	
Threading	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 (I x w x h)	6 11/16" x 3 3/8" x 1 7/8"	
Magnetic force	4080 lbs	
Motor power	11.4 A	
Total power	12.5 A	
Speed (no load)	I 100 - 280 rpm	
Speed (no load)	II 185 - 530 rpm	
	I 250 rpm	
Speed (load 11.4 A)	II 460 rpm	
Spindle (Weldon)	MT2 3/4"	
Voltage	110 - 120 V / 60 Hz	



### Key specs:





weight



overheat protection



oil lubricated

gearbox

Z

Ø 15/16"

twist drilling

Ø 2 3/16" countersinking



6 11/16" stroke **ECO.50S** 

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

• High accuracy capstan hub

- Morse Taper 3 spindle with integrated tool cooling and lubrication
- Integrated slide and two-speed oil lubricated gearbox for high accuracy, enlarged lifecycle and minimal vibration
- High precision height adjustment for low maintenance and minimal wear correction
- Strong dual coil CNC machined magnet



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

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	24.7 lbs
Magnet (I x w x h)	6 5/16" x 3 1/8" x 1 5/8"
Magnetic force	3750 lbs
Motor power	11.4 A
Total power	11.8 A
Cread (relead)	I 315 rpm
Speed (no load)	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



**Drilling machines** 

# 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 EC0.55, EC0.55-T, EC0.55-A and EC0.55-TA.



### **Top features**

LED load indicators and digital display with Smart Restart technology

Easily accessible carbon brushes Auto shut-off carbon brushes

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.55-TA (Only for annular cutting)

> > Z-profile guide rails Maximum contact surface Q.

#### Clear and

easy controls With RPM dial and CW/CCW rotation functionality



#### LED load indicators

Machine is on.No load.

S. When drilling.
Acceptable overload.

## A. Close to overload. Reduce pressure.

2. Start drilling.

Ideal working load.

#### \* Smart Restart

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

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

www.euroboor.com

Big scale fabrication

## **ECO.55**

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

- Digital display showing ideal working load
- Smart Restart technology
- Easily accessible auto shut-off carbon brushes
- High accuracy capstan hub
- Morse Taper 3 spindle with integrated tool cooling and lubrication
- Integrated slide and two-speed oil lubricated gearbox for high accuracy, enlarged lifecycle and minimal vibration
- High precision height adjustment for low maintenance and minimal wear correction
- Strong dual coil CNC machined magnet



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

Technical data		
Annular cutting	Ø 7/16" - 2 3/16"	
Twist drilling	Ø 1/16" - 15/16"	
Countersinking	Ø 3/8" - 2 3/8"	
Length	12 5/8"	
Width	7 7/8"	
Height	19 5/16" - 26"	
Stroke	6 11/16"	
Weight	30.3 lbs	
Magnet (I x w x h)	6 11/16" x 3 3/8" x 1 7/8"	
Magnetic force	4080 lbs	
Motor power	14.5 A	
Total power	15.4 A	
	I 60 - 275 rpm	
Speed (no load)	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	

### Key specs:



overheat

Z

 $(\bigcirc)$ 

protection

Smart



gearbox

oil lubricated

Ø 2 3/8"

countersinking

4080 lbs

magnet force

digital readout display

6 11/16"

stroke

DIG



### Key specs:





weight



overload protection



LED load indicators



() 14.5 A

motor power



protection

Smart

Restart

I





Ø 2 3/8"

countersinking

4080 lbs

magnet force

oil lubricated

gearbox

6 11/16"

stroke

DIG

digital readout

display

automatic feed



## Big scale fabrication

**Drilling machines** 

## ECO.55-A

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

- Automatic drill functionality with automatic return (for annular cutting)
- Digital display showing ideal working load
- Smart Restart technology
- Easily accessible auto shut-off carbon brushes
- Morse Taper 3 spindle with integrated tool cooling and lubrication
- Integrated slide and two-speed oil lubricated gearbox for high accuracy, enlarged lifecycle and minimal vibration
- High precision height adjustment for low maintenance and minimal wear correction
- Strong dual coil CNC machined magnet.



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

Technical data		
Annular cutting	Ø 7/16" - 2 3/16"	
Twist drilling	Ø 1/16" - 15/16"	
Countersinking	Ø 3/8" - 2 3/8"	
Length	13 9/16"	
Width	12"	
Height	19 5/16" - 26"	
Stroke	6 11/16"	
Weight	34.8 lbs	
Magnet (I x w x h)	6 11/16" x 3 3/8" x 1 7/8"	
Magnetic force	4080 lbs	
Motor power	14.5 A	
Total power	15.4 A	
	I 60 - 275 rpm	
Speed (no load)	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	

Big scale fabrication

## ECO.55-T

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

- Digital display showing ideal power usage
- Smart Restart technology
- Particularly suitable for threading
- (Counter)clockwise functionality and electronic speed adjustment
- Easily accessible auto shut-off carbon brushes
- High accuracy capstan hub
- Morse Taper 3 spindle with integrated tool cooling and lubrication
- Integrated slide and two-speed oil lubricated gearbox for high accuracy, enlarged lifecycle and minimal vibration
- High precision height adjustment for low maintenance and minimal wear correction
- Strong dual coil CNC machined magnet



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

Technical data		
Annular cutting	Ø 7/16" - 2 3/16"	
Twist drilling	Ø 1/16" - 15/16"	
Countersinking	Ø 3/8" - 2 3/8"	
Threading	Ø 1/8" - 13/16"	
Length	12 5/8"	
Width	7 7/8"	
Height	19 5/16" - 26"	
Stroke	6 11/16"	
Weight	30.3 lbs	
Magnet (I x w x h)	6 5/8" x 3 5/16" x 1 15/16"	
Magnetic force	4080 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	



#### **Drilling machines** Big scale fabrication

### Key specs:

0

RPN



Ø 2 3/8" Ø 13/16" countersinking threading 4080 lbs magnet force overload overheat protection LED load indicators

## 6 11/16" stroke

protection

Smart Restart



automatic feed and return



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

 Automatic drill functionality with automatic return (for annular cutting)

- Digital display showing ideal power usage
- Smart Restart technology
- Particularly suitable for threading
- (Counter)clockwise functionality and electronic speed adjustment
- Easily accessible auto shut-off carbon brushes
- Morse Taper 3 spindle with integrated tool cooling and lubrication
- Integrated slide and two-speed oil lubricated gearbox for high accuracy, enlarged lifecycle and minimal vibration
- High precision height adjustment for low maintenance and minimal wear correction
- Strong dual coil CNC machined magnet



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

Technical data		
Annular cutting	Ø 7/16" - 2 3/16"	
Twist drilling	Ø 1/16" - 15/16"	
Countersinking	Ø 3/8" - 2 3/8"	
Threading	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 (I x w x h)	6 5/8" x 3 5/16" x 1 15/16"	
Magnetic force	4080 lbs	
Motor power	14.5 A	
Total power	15.4 A	
Speed (pe lead)	I 60 - 275 rpm	
Speed (no load)	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	

Big scale fabrication

## **ECO.60S**

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

- Electronic speed adjustment
- Heat protection
- High accuracy capstan hub
- Morse Taper 3 spindle with integrated tool cooling and lubrication
- Integrated slide and two-speed oil lubricated gearbox for high accuracy, enlarged lifecycle and minimal vibration
- High precision height adjustment for low maintenance and minimal wear correction
- Strong dual coil CNC machined magnet



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

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	28.7 lbs	
Magnet (I x w x h)	6 5/8" x 3 5/16" x 1 15/16"	
Magnetic force	4080 lbs	
Motor power	14.5 A	
Total power	15.4 A	
Cread (relead)	I 60 - 275 rpm	
Speed (no load)	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	



Heavy scale fabrication

### Key specs:

Ø 3 1/8" annular cutting 61.7 lbs	Ø 1 1/4" twist drilling (6) 15.4 A	Ø 3 3/8" countersinking 6615 lbs	10 1/4"	ļ
weight	notor power	magnet force	stroke	
		ECO.80/4		

## **ECO.80/4**



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

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

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	61.7 lbs	
Magnet (I x w x h)	8 11/16" x 4 5/16" x 2 1/2"	
Magnetic force	6615 lbs	
Motor power	15.4 A	
Total power	16.4 A	
	I 200 rpm	
Speed (no load)	II 300 rpm	
Speed (no load)	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 3/4" *	
Voltage	110 - 120 V / 60 Hz	
*Optional with 1 1/4"		

\*Optional with 1 1/4"

Heavy scale fabrication

## ECO.100/4(D)

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

#### ECO.100/4 and ECO.100/4 D

- Four-speed gearbox
- Particularly suitable for threading
- (Counter)clockwise functionality and electronic speed adjustment
- Torque control on motor house
- Heat protection
- Morse Taper 3 spindle with integrated tool cooling and lubrication
- Strong dual coil CNC machined magnet

#### ECO.100/4 D

• Precise positioning swivel base

Technical data	
Annular cutting	Ø 7/16" - 4"
Twist drilling	Ø 1/16" - 1 1/4"
Countersinking	Ø 3/8" - 4 1/8"
Threading	Ø 1/8" - 1 3/16"
Length	14 3/8"
Width	12 3/16"
Height	20 1/16" - 27 15/16" (100/4) 20 1/4" - 28 1/8" (100/4D)
Stroke	10 1/4"
Weight	61.7 lbs
Magnet (I x w x h)	8 11/16" x 4 5/16" x 2 1/2"
Magnetic force	6615 lbs
Motor power	17.3 A
Total power	18.6 A
	I 42 - 110 rpm
Speed (pollogd)	II 65 - 190 rpm
Speed (no load)	Ш 140 - 400 rpm
	IV 220 - 620 rpm
	I 85 rpm
Speed (load 17.3 A)	II 152 rpm
opeeu (loau 17.5 A)	Ш 270 rpm
	IV 480 rpm
Spindle (Weldon)	MT3 3/4"
Voltage	110 - 120 V / 60 Hz



Heavy scale fabrication

### Key specs:



## **ECO.200**

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

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

Technical data	
Annular cutting	Ø 7/16" - 8"
Twist drilling	Ø 1/16" - 1 3/4"
Countersinking	Ø 3/8" - 8 1/16"
Length	18 7/8"
Width	10 1/4"
Height	26" - 33 1/16"
Stroke	7 1/16"
Weight	116.8 lbs
Magnet (I x w x h)	13" x 4 5/16" x 2 1/2"
Magnetic force	8600 lbs
Motor power	32.7 A
Total power	34.5 A
Speed (no load)	I 70 - 150 rpm
	II 170 - 410 rpm
Speed (load 32.7 A)	I 70 - 150 rpm
	II 170 - 410 rpm
Spindle (Weldon)	MT4 1 1/4"
Voltage	110 - 120 V / 60 Hz



#### Drilling machines Specials

### Key specs:



16.5 lbs weight



2645 lbs magnet force **6 11/16**" stroke

## **F16**

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

- Perfect solution for high precision small diameter drilling tasks
- 1 11/16" Euro collar connection (optional 1 5/16" and 1 1/2" filler rings included)
- Safe and easy rear mounted socket
- High accuracy capstan hub
- High precision height adjustment for low maintenance and minimal wear correction
- Strong dual coil CNC machined magnet



Suitable for your favorite hand drilling machine

Technical data	
Twist drilling	Ø 1/16" - 5/8" *
Length	12 3/16"
Width	6 11/16"
Height	12 3/16" - 19 1/2"
Stroke	6 11/16"
Weight	16.5 lbs
Magnet (I x w x h)	6 5/16" x 3 1/8" x 1 7/16"
Magnetic force	2645 lbs
Voltage	110 - 120 V / 60 Hz

\*Hand drill dependable

www.euroboor.com

# Unique design, unique usage

Shallow Field (SF

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 Magnetic 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 Magnetic Drilling Machines help you save time. Its strong, powerful and sturdy design will also actively enable you to drill holes as fast as possible. M

Magnets require no electric power and will not release in the event of a power failure.



Both machines are extremely light. TUBE.30 - 24.2 lbs TUBE.55-T - 38.8 lbs

The magnets can be adjusted for the best position on

round and flat surfaces. No extra accessories needed.

#### Strong

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

#### Easy to use

Automatically conforms to any pipe Ø 2 15/16" or larger in diameter.

### GYRO-TEC AVAILABLE ON THE TUBE.55-T

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

It detects:

- Sudden loss of adhesion
- Excessive vibration
- Sudden displacement of the workpiece

#### Efficient

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

#### Drilling machines Specials

## **TUBE.30**

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

- High accuracy capstan hub
- Direct spindle drive and integrated tool cooling and lubrication
- Integrated slide and one-speed gearbox for high accuracy, enlarged lifecycle and minimal vibration
- High precision height adjustment for low
  maintenance and minimal wear correction





Technical data	
Annular cutting	Ø 7/16" - 1 3/16"
Twist drilling (Weldon)	Ø 1/16" - 1/2"
Countersinking	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	24.3 lbs
Magnet (I x w x h)	7 3/8" x 6 1/2" x 3 1/4"
Magnetic force	1175 lbs
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

Specials

### Key specs:



## TUBE.55-T

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

- Digital display showing ideal power usage
- Smart Restart technology
- Particularly suitable for threading
- Electronic speed adjustment
- Easily accessible auto shut-off carbon brushes
- High accuracy capstan hub
- Morse Taper 3 spindle with integrated tool cooling and lubrication
- Integrated slide and two-speed oil lubricated gearbox for high accuracy, enlarged lifecycle and minimal vibration
- High precision height adjustment for low maintenance and minimal wear correction



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

Technical data	
Annular cutting	Ø 7/16" - 2 3/16"
Twist drilling	Ø 1/16" - 15/16"
Countersinking	Ø 3/8" - 2 3/8"
Threading	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	38.8 lbs
Magnet (I x w x h)	10 1/2" x 9 7/16" x 3 1/4"
Magnetic force	1895 lbs
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

Specials

## **ECO.36**

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

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

## Lowest machine in the market



Technical data		
Annular cutting		Ø 7/16" - 1 7/16"
Twist drilling (Weld	lon)	Ø 1/16" - 9/16"
Countersinking		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 13/16"
Width		5 5/16"
Height		6 1/2"
Stroke		1 9/16"
Weight		22.7 lbs
Magnet (I x w x h)		3 1/8" x 6 5/16" x 1 7/16"
Magnetic force		2645 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



#### Drilling machines Specials

### Key specs:



## **EBM.360**

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

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



From 0% to 75% battery charge takes less than 20 minutes! Battery charge 75% to 100% takes 70 minutes.

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	11 11/16"
Width	4 7/16"
Height	16 9/16" - 24"
Stroke	9 1/16"
Weight	33 lbs
Magnet (I x w x h)	6 5/16" x 3 1/8" x 1 5/8"
Magnetic force	3750 lbs
Motor power	35.1 A DC
Total power	36.5 A DC
Speed (no load)	I 506 rpm
Speed (load 35.1 A DC)	I 375 rpm
Spindle (Weldon)	3/4"
Power source	37 V Battery 2.6 Ah li-ion

Specials

## AIR.52/3

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

- Air powered motor system
- Automatic cooling system
- Safety cover
- Spark-free (explosion-safe) motor
- Anti-static heavy scale fabrication
- Failsafe permanent magnet system
- Low noise



Ø 7/16" - 2 1/16"
Ø 1/16" - 1/2"
Ø 3/8" - 1 9/16"
13 3/8"
9 13/16"
22 1/16"
4 3/4"
28.7 lbs
8 11/16" x 2 15/16" x 1 7/8"
2205 lbs
I 400 rpm
MT3 3/4"
Air, min. 6,3 bar (90 PSI) 0,9 m³/min 3/8" BSP Female thread


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

# 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 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



### Weldon setup overview





## Adapters

### Pipe adapter kit

- Suitable for tube diameter from Ø 1 3/8" up to 21 5/8"
- Suitable for all Euroboor Magnetic Drilling Machines (except ECO.200 & TUBE serie)
- Suitable for almost all drilling machines in the market (for universal use)

### Sizing PAK.250

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

### Sizing inside plate

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

Weight 27.5 lbs

PAK.250





Vacuum adapter kit Ø 11 13/16" including pump • Sizing: Ø 11 13/16" VAC.810 (110V)

Vacuum adapter kit oval Clamp system with 2 suction pads including pump • Sizing: 17 3/4" x 9 13/16" VAC.820 (110V)

### Vacuum pump

- Power: 1/2 hp
- Inlet port: 1/4" flare & 3/8" flare
- Ultimate vacuum: 3x10<sup>-1</sup> Pa, 25 microns
- Flow rate: 5 CFM, 142 l/min (110V) 4,5 CFM, 128 l/min (220V)
- Voltage: 110 120 V / 60 Hz

VAC.001



### Extensions



Extension Weldon 1" 3/4" Weldon, 1" extension, outer Ø 1 3/8" For 1/4" pilot pins IBK.25



Extension Weldon 2" 3/4" Weldon, 2" extension, outer Ø 1 3/8" For 1/4" pilot pins IBK.50



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

IBK.75



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

 Extension MT2 - 3 15/16"
 Extension MT3 - 4 3/4"

 MT2 - MT2
 MT3 - MT3

 IBK.MC2-L100
 IBK.MC3-L121

 Extension MT3 - 9 13/16"
 Extension MT3 - 17 3/4"

 MT3 - MT3
 MT3 - MT3

 IBK.MC3-L250
 IBK.MC3-L450



### 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



Reduction ring 1 1/4" Weldon (external) to 3/4" Weldon (internal) IBK.3219



Adapter 3/4" Weldon (external) to B16 Drill chuck connection IBK.16-14

### Morse Taper reductions







Morse Taper reduction MT4 (machine) to MT3 (tool holder) IBK.MC4-MC3

### Accessories



MC.2 / MC.3

Arbor MT2 - 3/4" Weldon For cutters Ø 1/2" - 2 3/8" 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 1/2" - 2 3/8" MC.3

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

MC.3/32

Arbor MT3 - 1 1/4" Weldon For cutters Ø 2 3/8" - 7 7/8" 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-N

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



Before and after 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.13 for illustration purpose

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## Drill chuck connections



Morse Taper 2 to B16 Spindle connection B16-MC2

Morse Taper 2 to B18 Spindle connection B18-MC2 Morse Taper 3 to B18 Spindle connection B18-MC3

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

### Twist drill chucks



Drill chuck DIA Ø 1/16" - 1/2" 1/2" x 20 UNF connection IBK.13



Keyless drill chuck DIA Ø 1/16" - 1/2" 1/2" x 20 UNF connection IBK.13Q



Drill chuck DIA Ø 1/16" - 1/2" B16 connection IBK.13-B16



Drill chuck DIA Ø 1/16" - 1/2" B16 connection IBK.16



Drill chuck Quick connect DIA Ø 1/16" - 1/2" 1/2" x 20 UNF connection

### **IBQ.13**



Drill chuck Quick connect DIA Ø 1/16" - 1/2" B16 connection 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.16-14, 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 wellconsidered cooling and lubrication products to match your requirements. If you are processing high-tensile strength stainless steel or need to cut a plain aluminium bar, create large-bore holes or prepare a finecoarse 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
- Minimized tool wear and replacement
- · Reduced processing time & lower operation cost

		GRP/		Grey cast iron	Steel					Stainless	steel	Aluminu	m	Exotic mate- rials*	Rails
Oil					< 500N	< 750N	< 900N	< 1100N	< 1400N	< 900N	≤ 900N	< 10% Si	≤ 10% Si		
IBO.10	6	0	0	0	•	•	•	•	•	0	0	0	0	0	0
IBO.P91	1 🔮	0	0	0	•	•	•	•	•	0	0	0	0	0	0
IBO.20	6	0		•	0	ο	0	0	0	•	•			•	•
IBO.50	6	0	•	0	0	0	0	0	0	0	0	•	•	0	0
IBO.60	6	0	0	0	•	•	•	•	•	0	0	0	0	0	0
MV.4	6	0	0	0	•	•	•	•	•	0	0	0	0	0	0
IBO.30	<b>.</b>	0	ο	0	•	•	•	•	•	0	0	0	0	0	0
IBP.50/2	4.			•	•	•	•	•	•	•	•			•	•

### Material application Optimal Optimal

This overview only offers an indication of use. Further information on lubrication and material behaviour on request. Always try the chosen cutting lubricant on a test piece first. \* Inconnell, Nimonic, Hardox and Hastelloy

### Cutting oils, sprays, paste and gearbox oil

### General usage

### IBO.10

### Mild steel lubricating and cooling cutting oil

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

### IBO.1001 (33.8 oz)

IBO.1050 (169 oz)



### 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)

### MV.4050 (169 oz)



### Specialized 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)

IBO.2050 (169 oz)



### 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) IBO.5050 (169 oz)



### IBO.60 Threading oil

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

IBO.6001 (33.8 oz) IBO.6050 (169 oz)



### **Cutting lubricants**

EUROBOOR

### Gearbox oil





# **IBO.30** or all met EUROBO

#### IBO-P.911

Mild steel lubricating and cooling cutting oil spray Premium metal processing cooling and lubrication in spray can form, suitable for use on mild steel. Highly versatile in use and ideal for tool preparation. IBO-P.911.500 (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.50/2

#### High-alloy steel cutting paste

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

### IBP.50/2 (2.2 lbs)



#### 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.40S, ECO.50S, ECO.55, ECO.55-T, ECO.55-A, ECO.55-TA, ECO.60S and TUBE.55-T

IBO.G101 (33.8 oz)

### 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

# Annular cutters

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



# High precision shanks, various connections



Weldon 3/4"



Nitto/Weldon 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:



# Euroboor annular cutter portfolio

# Geometry

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

On our HSS and TCT cutters every tooth does it's own job, working together to cut cleaner and quicker. They 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 as well as machinery with Nitto fitment.

Nitto/Weldon shank

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

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





### Annular cutter overview

Depth of (	Cut (DoC)			Ø Metric (mm) Weldon	Ø Imperial (inch) Weldon	Ø Imperial (inch) Nitto/Weldon
	1"	HSS		-	7/16" - 3"	-
	1"	HSS-Cobalt	8%	-	7/16" - 2 5/16"	-
	1"	тст		-	7/16" - 3"	7/16" - 25/16"
55 mm	2"	HSS		12 - 30	7/16" - 4"	7/16" - 25/16"
	2"	HSS Stack		-	11/16" - 1 1/4"	-
	2"	HSS-Cobalt	8%	-	7/16" - 2 5/16"	-
	2"	тст		-	7/16" - 8"	7/16" - 2 5/16"
	3"	HSS Stack		-	11/16" - 1 1/4"	-
	3"	HSS-Cobalt	8%	-	7/16" - 2 5/16"	-
	3"	тст		-	7/16" - 3"	-
	4"	ТСТ		-	7/16" - 8"	÷
	6"	ТСТ		-	7/8" - 8"	-
	8"	ТСТ		-	7/8" - 8"	-

Materia	l appliance	Optima	l <b>O</b> Good	O Possib	le										
	Material	Plastics		Grey	Steel					Stainless steel		Aluminum		Exotic	Rails
Cutter		GRP/ CRP	Copper, Tin	cast iron	< 500N	< 750N	< 900N	< 1100N	< 1400N	< 900N	≤ 900N	< 10% Si	≤ 10% Si	materials*	
HSS	TA	•	0		•	•	0					0			
HSS-Coba	alt	•	•	0	•	•	•	0	0	0	0	•	0	0	
тст	177		0	•	•	•	•	•	•	•	•	•	•	•	0

\* Inconnell, Nimonic, Hardox, Hastelloy

# Literally *a wide range of* cutters.



## 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 customized as per your requirements.

HSS ma	terial appl	ication	Optimal	O Good	O Possible								
Plastics GRP/ CRP	Brass, Copper, Tin	Grey cast iron	Steel					Stainless	steel	Aluminum	I	Exotic materials, Inconnell, Nimonic, Hardox, Hastelloy	Rails
			< 500N	< 750N	< 900N	< 1100N	< 1400N	< 900N	≤ 900N	< 10% Si	≤ 10% Si		
•	0		•	•	0					0			

# HSS profile



- Stage hardening. Combines maximum hardness at the teeth with superior strength at the cutter body, reducing breakage to a minimum.
- 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.
- 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.
- Precise pilot pin fitment for perfect centration, hassle-free pin retraction and controlled coolant flow.
- 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.

- Well-thought-out spiral flute angles for optimal chip removal.
- Specially designed blades for optimum stability and heatreduction.
- 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
- Precision ground sharks for optimum fitment of the cutter itself in the tool holder and of pilot pin in the annular cutter. Increases safety, stability and accurate hole sizing.

	DoC 55 mm Weldon
DIA	Ø 12 - 30 mm
	Code
Ø 12	HCL.120
Ø 13	HCL.130
Ø 13,5	HCL.135
Ø 14	HCL.140
Ø 15	HCL.150
Ø 15,5	HCL.155
Ø 16	HCL.160
Ø 17	HCL.170
Ø 17,5	HCL.175
Ø 18	HCL.180
Ø 19	HCL.190
Ø 19,5	HCL.195
Ø 20	HCL.200
Ø 21	HCL.210
Ø 21,5	HCL.215
Ø 22	HCL.220
Ø 23	HCL.230
Ø 24	HCL.240
Ø 25	HCL.250
Ø 26	HCL.260
Ø 26,5	HCL.265
Ø 27	HCL.270
Ø 28	HCL.280
Ø 29	HCL.290
Ø 30	HCL.300

	DoC 1" Weldon	DoC 2" Weldon	DoC 2" Nitto/Weldon
DIA	Ø 7/16" - 3"	Ø 7/16" - 4"	Ø 7/16" - 2 5/16'
	Code	Code	Code
Ø 7/16"	HCS.7/16"	HCL.7/16"	HCLU.7/16"
Ø 31/64"		HCL.31/64"	
Ø 1/2"	HCS.1/2"	HCL.1/2"	HCLU.1/2"
Ø 33/64"		HCL.33/64"	
Ø 17/32"		HCL.17/32"	
Ø 9/16"	HCS.9/16"	HCL.9/16"	HCLU.9/16"
Ø 37/64"		HCL.37/64"	
Ø 5/8"	HCS.5/8"	HCL.5/8"	HCLU.5/8"
Ø 21/32"		HCL.21/32"	
Ø 11/16"	HCS.11/16"	HCL.11/16"	HCLU.11/16"
Ø 3/4"	HCS.3/4"	HCL.3/4"	HCLU.3/4"
Ø 49/64"		HCL.49/64"	
Ø 13/16"	HCS.13/16"	HCL.13/16"	HCLU.13/16"
Ø 7/8"	HCS.7/8"	HCL.7/8"	HCLU.7/8"
Ø 15/16"	HCS.15/16"	HCL.15/16"	HCLU.15/16"
Ø 1"	HCS.1"	HCL.1"	HCLU.1"
Ø 1 1/16"	HCS.1-1/16"	HCL.1-1/16"	HCLU.1-1/16"
Ø 1 1/8"	HCS.1-1/8"	HCL.1-1/8"	HCLU.1-1/8"
Ø 1 3/16"	HCS.1-3/16"	HCL.1-3/16"	HCLU.1-3/16"
Ø 1 1/4"	HCS.1-1/4"	HCL.1-1/4"	HCLU.1-1/4"
Ø 1 5/16"	HCS.1-5/16"	HCL.1-5/16"	HCLU.1-5/16"
Ø 1 3/8"	HCS.1-3/8"	HCL.1-3/8"	HCLU.1-3/8"
Ø 1 7/16"	HCS.1-7/16"	HCL.1-7/16"	HCLU.1-7/16"
Ø 1 1/2"	HCS.1-1/2"	HCL.1-1/2"	HCLU.1-1/2"
Ø 1 9/16"	HCS.1-9/16"	HCL.1-9/16"	HCLU.1-9/16"
Ø 1 5/8"	HCS.1-5/8"	HCL.1-5/8"	HCLU.1-5/8"
Ø 1 11/16"	HCS.1-11/16"	HCL.1-11/16"	HCLU.1-11/16"
Ø 1 3/4"	HCS.1-3/4"	HCL.1-3/4"	HCLU.1-3/4"
Ø 1 3/4 Ø 1 13/16"	HCS.1-3/4	HCL.1-3/4	HCLU.1-13/16"
Ø 1 7/8"	HCS.1-7/8"	HCL.1-7/8"	HCLU.1-7/8"
Ø 1 15/16"	HCS.1-15/16"	HCL.1-15/16"	HCLU.1-15/16"
Ø 2"	HCS.2"	HCL.2"	HCLU.2"
Ø 2 1/16"	HCS.2-1/16"	HCL.2-1/16"	HCLU.2-1/16"
Ø 2 1/8"	HCS.2-1/8"	HCL.2-1/8"	HCLU.2-1/8"
Ø 2 3/16"	HCS.2-3/16"	HCL.2-3/16"	HCLU.2-3/16"
Ø 2 1/4"	HCS.2-1/4"	HCL.2-1/4"	HCLU.2-1/4"
Ø 2 5/16"	HCS.2-5/16"	HCL.2-5/16"	HCLU.2-5/16"
Ø 2 3/8"	HCS.2-3/8"	HCL.2-3/8"	
Ø 2 7/16"	HCS.2-7/16"	HCL.2-7/16"	
Ø 2 1/2"	HCS.2-1/2"	HCL.2-1/2"	
Ø 2 9/16"	HCS.2-9/16"	HCL.2-9/16"	
Ø 2 5/8"	HCS.2-5/8"	HCL.2-5/8"	
Ø 2 11/16"	HCS.2-11/16"	HCL.2-11/16"	
Ø 2 3/4"	HCS.2-3/4"	HCL.2-3/4"	
Ø 2 13/16"	HCS.2-13/16"	HCL.2-13/16"	
Ø 2 7/8"	HCS.2-7/8"	HCL.2-7/8"	
Ø 2 15/16"	HCS.2-15/16"	HCL.2-15/16"	

HSS



Nitto/Weldon shank



Shank sizes

DIA Ø 7/16" - 2 5/16": 3/4"

DIA Ø 2 3/8" - 4": 1 1/4"



Depth of Cut measured inside cutter

DoC

### HSS imperial



Nitto/Weldon shank



Shank sizes

DIA Ø 7/16" - 2 5/16": 3/4"

DIA Ø 2 3/8" - 4": 1 1/4"



DoC Depth

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

# High Speed Steel Stack

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.

Depth of Cut measured inside		DoC 2" Weldon	DoC 3" Weldon
cutter	DIA	Ø 11/16	6" - 1 1/4"
1		Code	Code
	Ø 11/16"	HCPL.11/16"	HCPY.11/16"
	Ø 3/4"	HCPL.3/4"	HCPY.3/4"
	Ø 13/16"	HCPL.13/16"	HCPY.13/16"
	Ø 7/8"	HCPL.7/8"	HCPY.7/8"
	Ø 15/16"	HCPL.15/16"	HCPY.15/16"
	Ø 1"	HCPL.1"	HCPY.1"
	Ø 1 1/16"	HCPL.1-1/16"	HCPY.1-1/16"
	Ø 1 1/8"	HCPL.1-1/8"	HCPY.1-1/8"
	Ø 1 3/16"	HCPL.1-3/16"	HCPY.1-3/16"
	Ø 1 1/4"	HCPL.1-1/4"	HCPY.1-1/4"

Stack cutting



Stack annular cutter geometry slug

58
50

### 6 piece cutter sets





### 10 piece cutter sets



# Set HSS imperial

### DoC 1"

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

HCS.KIT/8

### DoC 1" & 2"

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

### HCS.KIT/9

### 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

### 2 x Pilot pin IBC.90 incli

### HSS.KIT/10L-I2

## Annular cutter

# High Speed Steel Cobalt

Euroboor HSS-Cobalt annular cutters are made of Molybdenum-Chromium-Vanadium-Tungsten alloy High Speed Steel with an additional 8% Cobalt (M42). The HSS-Cobalt annular cutter is specifically designed to remain cool when cutting holes. All flutes are fully ground, resulting in super-fast feed rates and smooth holes in hard materials, providing better chip clearance and higher cutting performances. The M42 HSS-Cobalt annular cutter is widely used in the metalworking industry for its superior red-hardness compared to more conventional high speed steels. This will lead to shorter cycle times in production environments due to higher cutting speeds.

HSS-Col	balt mater	rial applica	tion •	Optimal O	Good O F	Possible							
Plastics GRP/ CRP	Brass, Copper, Tin	Grey cast iron	Steel					Stainless steel		Aluminum		Exotic materials, Inconnell, Nimonic, Hardox, Hastelloy	Rails
			< 500N	< 750N	< 900N	< 1100N	< 1400N	< 900N	≤ 900N	< 10% Si	≤ 10% Si		
•	•	0	٠	•	•	0	0	0	0	•	0	0	

# **HSS-Cobalt profile**



- Stage hardening. Combines maximum hardness at the teeth with superior strength at the cutter body, reducing breakage to a minimum.
- Inner ground cutting teeth. Helps stable "setting" of the cutter, reduces friction during and drilling and helps slug ejection.
- Wall thickness matched to the diameter of the cutter, combining the best possible cutting time with strength.
- 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.
- Precise pilot pin fitment for perfect centration, hassle-free pin retraction and controlled coolant flow.
- 7. Altering "continuous pre-cut" teeth geometry. Generates

faster and more stable drilling performance and results in clear cuts of the highest precision and smooth, burr-free finishes.

- Well-thought-out spiral flute angles for optimal chip removal.
- Specially designed blades for optimum stability and heatreduction.
- 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 sizing.





### Shank sizes

DIA Ø 7/16" - 2 5/16": 3/4"



DoC Depth of Cut measured inside cutter

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

## Annular cutter

# **Tungsten Carbide Tipped**

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

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

TCT ma	terial appli	ication	Optimal	O Good	O Possible								
Plastics GRP/ CRP	GRP/ Copper, iron							Stainless steel		Aluminum		Exotic materials, Inconnell, Nimonic, Hardox, Hastelloy	Rails
			< 500N	< 750N	< 900N	< 1100N	< 1400N	< 900N	≤ 900N	< 10% Si	≤ 10% Si		
	0	•	•	•	•	•	•	•	•	•	•	•	0

# **TCT** profile



- Extremely hard and durable tungsten carbide cutting teeth (SANDVIK) for the hardest of drilling tasks. Offset positioning for the lowest possible heat development.
- Optimized cutting angles for shortest drilling times and clearest cuts.
- Special alloy body for optimum strength and durability.
   Tapered inside fitment prevents
- 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.

6.

Altering "continuous pre-cut" teeth geometry. Generates faster and more stable drilling performance and results in clear cuts of the highest precision and smooth, burr-free finishes. **SANDVIK** carbide tipped.

- 7. Well-thought-out spiral flute angles for optimal chip removal.
- Specially designed blades for optimum stability and heatreduction.
- 9. Number of flutes and teeth matched to the diameter of the

cutter for the best tooth load and superior cutting speeds.
10. Precision ground shanks for optimum fitment of the cutter itself in the tool holder and of pilot pin in the annular cutter. Increases safety, stability and accurate hole sizing.

	DoC 1" Weldon	DoC 1" Nitto/Weldon	DoC 2" Weldon	DoC 2" Nitto/Weldon
DIA	Ø 7/16" - 3"	Ø 7/16" - 2 5/16"	Ø 7/16" - 8"	Ø 7/16" - 2 5/16"
	Code	Code	Code	Code
Ø 7/16"	HMS.7/16"	HMSU.7/16"	HML.7/16"	HMLU.7/16"
Ø 1/2"	HMS.1/2"	HMSU.1/2"	HML.1/2"	HMLU.1/2"
Ø 9/16"	HMS.9/16"	HMSU.9/16"	HML.9/16"	HMLU.9/16"
Ø 5/8"	HMS.5/8"	HMSU.5/8"	HML.5/8"	HMLU.5/8"
Ø 11/16"	HMS.11/16"	HMSU.11/16"	HML.11/16"	HMLU.11/16"
Ø 3/4"	HMS.3/4"	HMSU.3/4"	HML.3/4"	HMLU.3/4"
Ø 13/16"	HMS.13/16"	HMSU.13/16"	HML.13/16"	HMLU.13/16"
Ø 7/8"	HMS.7/8"	HMSU.7/8"	HML.7/8"	HMLU.7/8"
Ø 15/16"	HMS.15/16"	HMSU.15/16"	HML.15/16"	HMLU.15/16"
Ø 1"	HMS.1"	HMSU.1"	HML.1"	HMLU.1"
Ø 1 1/16"	HMS.1-1/16"	HMSU.1-1/16"	HML.1-1/16"	HMLU.1-1/16"
Ø 1 1/8"	HMS.1-1/8"	HMSU.1-1/8"	HML.1-1/8"	HMLU.1-1/8"
Ø 1 3/16"	HMS.1-3/16"	HMSU.1-3/16"	HML.1-3/16"	HMLU.1-3/16"
Ø 1 1/4"	HMS.1-1/4"	HMSU.1-1/4"	HML.1-1/4"	HMLU.1-1/4"
Ø 1 5/16"	HMS.1-5/16"	HMSU.1-5/16"	HML.1-5/16"	HMLU.1-5/16"
Ø 1 3/8"	HMS.1-3/8"	HMSU.1-3/8"	HML.1-3/8"	HMLU.1-3/8"
Ø 1 7/16"	HMS.1-7/16"	HMSU.1-7/16"	HML.1-7/16"	HMLU.1-7/16"
Ø 1 1/2"	HMS.1-1/2"	HMSU.1-1/2"	HML.1-1/2"	HMLU.1-1/2"
Ø 1 9/16"	HMS.1-9/16"	HMSU.1-9/16"	HML.1-9/16"	HMLU.1-9/16"
Ø 1 5/8"	HMS.1-5/8"	HMSU.1-5/8"	HML.1-5/8"	HMLU.1-5/8"
Ø 1 11/16"	HMS.1-578	HMSU.1-5/8	HML.1-3/8	HMLU.1-11/16"
Ø 1 3/4"				
	HMS.1-3/4"	HMSU.1-3/4"	HML.1-3/4"	HMLU.1-3/4"
Ø 1 13/16"	HMS.1-13/16"	HMSU.1-13/16"	HML.1-13/16"	HMLU.1-13/16"
Ø 1 7/8"	HMS.1-7/8"	HMSU.1-7/8"	HML.1-7/8"	HMLU.1-7/8"
Ø 1 15/16"	HMS.1-15/16"	HMSU.1-15/16"	HML.1-15/16"	HMLU.1-15/16"
Ø 2"	HMS.2"	HMSU.2"	HML.2"	HMLU.2"
Ø 2 1/16"	HMS.2-1/16"	HMSU.2-1/16"	HML.2-1/16"	HMLU.2-1/16"
Ø 2 1/8"	HMS.2-1/8"	HMSU.2-1/8"	HML.2-1/8"	HMLU.2-1/8"
Ø 2 3/16"	HMS.2-3/16"	HMSU.2-3/16"	HML.2-3/16"	HMLU.2-3/16"
Ø 2 1/4"	HMS.2-1/4"	HMSU.2-1/4"	HML.2-1/4"	HMLU.2-1/4"
Ø 2 5/16"	HMS. 2-5/16"	HMSU. 2-5/16"	HML.2-5/16"	HMLU . 2-5/16"
Ø 2 3/8"	HMS.2-3/8"		HML.2-3/8"	
Ø 2 7/16"	HMS.2-7/16"		HML.2-7/16"	
Ø 2 1/2"	HMS.2-1/2"		HML.2-1/2"	
Ø 2 9/16"	HMS.2-9/16"		HML.2-9/16"	
Ø 2 5/8"	HMS.2-5/8"		HML.2-5/8"	
Ø 2 11/16"	HMS.2-11/16"		HML.2-11/16"	
Ø 2 3/4"	HMS.2-3/4"		HML.2-3/4"	
Ø 2 13/16"	HMS.2-13/16"		HML.2-13/16"	
Ø 2 7/8"	HMS.2-7/8"		HML.2-7/8"	
Ø 2 15/16"	HMS.2-15/16"		HML.2-15/16"	
Ø 3"	HMS.3"		HML.3"	
Ø 3 1/16"			HML.3-1/16"	
Ø 3 1/8"			HML.3-1/8"	
Ø 3 3/16"			HML.3-3/16"	
Ø 3 1/4"			HML.3-1/4"	
Ø 3 5/16"			HML.3-5/16"	



TCT



### Shank sizes

DIA Ø 7/16" - 2 5/16": 3/4"

DIA Ø 2 3/8" - 8": 1 1/4"



DoC Depth of Cut measured inside cutter



64

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



TCT

Shank sizes

DIA Ø 7/16" - 2 3/8": 3/4"

DIA Ø 2 7/16" - 8": 1 1/4"



DoC Depth of Cut measured inside cutter



66

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



TCT



### TCT cutter sets



### 10 piece cutter sets



# Set TCT imperial

### **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 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 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 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

# Key specs:



# ERM.100/3

# Resharpening machine

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

- 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 for cutter flutes
- SDC grinding wheel for cutters (optional)

Technical data	
Dimensions (I x w x h)	18 7/8" x 11 13/16" x 12 5/8"
Weight	62 lbs
Motor power	1.2 A
Noise emission	< 70 dBa
Grinding disk	Ø 4 15/16"
Wheel bore	3/8"
Shaft bore	3/4" Weldon
Speed (no load)	2800 rpm
Voltage	110 - 120 V / 60 Hz

### Standard supply

CBN grinding wheel

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

Index plate T6 & T7 ERM3.0008 Index plate T9 ERM3.0010

Optionally available SDC grinding wheel (teeth) ERM3.0002

CBN grinding wheel

# **Pilot Pins**



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

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

As plain as a pilot pin may look, all of these uses require high precision and extremely low

### Overview

Code	Length pin	Diameter pin
IBC.70	3"	1/4"
IBC.75	3 7/16"	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 1/2"	1/4"
IBC.120	4 3/4"	1/4"
IBC.130	6 3/8"	5/16"

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.

de	Length pin	Diameter pin
C.140	5 15/16"	5/16"
C.150	9 15/16"	5/16"
C.160	7 15/16"	5/16"
C.K25	4 15/16"	1/4"
C.K50	6 1/8"	1/4"
C.K75	7"	1/4"
C.K100	8"	1/4"
C.157*	6 3/16"	5/16"
C.2P-205*	8 1/16"	5/16"

IBC IBC

### \*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".





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 pin features

#### Precise positioning

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



Material

#### Locks off oil flow

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



#### **Ejects plug**

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



# Pilot pin recommendations

### HSS metric - 55 mm

HCL (DoC 55 mm)	
Ø 12 - 30 mm	
IBC.90 (1/4" x 102 mm)	

### HSS imperial - 1"

HCS (DoC 1")	
Ø 7/16" - 2 5/16"	Ø 2 3/8" - 3"
IBC.70 (1/4" x 3")	IBC.85 (5/16" x 3 9/16")

### HSS imperial - 2"

HCL (DoC 2")	
Ø 7/16" - 2 5/16"	Ø 2 3/8" - 4"
IBC.90 (1/4" x 4")	IBC.100 (5/16" x 4 13/16")
HCLU (DoC 2")	
Ø 7/16" - 2 5/16"	
IBC.70 (1/4" x 3")	

### HSS-Cobalt imperial - 1"

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

### HSS-Cobalt imperial - 2"

JBL (DoC 2")	
Ø 7/16" - 2 5/16	"

**IBC.90** (1/4" x 4")

### HSS-Cobalt imperial - 3"

JBL (DoC 3") Ø 7/16" - 2 5/16" IBC.K25 (1/4" x 4 15/16")

### TCT imperial - 1"

Ø 7/16" - 11/16"	2" - 3"	
IBC.75 (1/4" x 3 7/16")	IBC.80 (5/16" x 4 1/16")	
3/4" - 1 15/16"		
IBC.85 (5/16" x 3 9/16")		
HMSU (DoC 1")		
Ø 7/16" - 11/16"		
IBC.75 (1/4" x 3 7/16")		
Ø 3/4" - 2 1/4"		
IBC.85 (1/4" x 3 9/16")		

### TCT imperial - 2"

HML (DoC 2")	
Ø 7/16" - 11/16"	2" - 2 5/16"
IBC.90 (1/4" x 4")	IBC.80 (5/16" x 4 1/16")
3/4" - 1 15/16"	Ø 2 3/8" - 8"
IBC.85 (5/16" x 3 9/16")	IBC.100 (5/16" x 4 13/16")
HMLU (DoC 2")	
Ø 7/16" - 11/16"	
<b>IBC.90</b> (1/4" x 4")	
Ø 3/4" - 2 1/4"	
IBC.80 (5/16" x 4 1/16")	

### TCT imperial - 3" & 4"

HMY (DoC 3")	HMX (DoC 4")
Ø 7/16" - 11/16"	Ø 7/16" - 11/16"
IBC.K25 (1/4" x 4 15/16")	<b>IBC.K50</b> (1/4" x 6 1/8")
Ø 3/4"- 3"	IBC.110 (1/4" x 6 5/16")
IBC.100 (5/16" x 4 13/16")	Ø 3/4" - 8"
	IBC.140 (5/16" x 5 15/16")
	IBC.130 (5/16" x 6 3/16")
	IBC.157 (5/16" x 6 3/16")

### TCT imperial - 6" & 8"

HMW (DoC 6")	HMV (DoC 8")
Ø 7/8" - 8"	Ø 7/8" - 8"
IBC.160 (5/16" x 7 5/16")	IBC.150 (5/16" x 9 15/16")
IBC.2P-205 (5/16" x 8 1/16")	
## Weldon twist drill

HSS 3/4" Weldon shank. 118° split point. Available in 1 3/16" and 2 3/16" (DoC).

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

DoC 1"	
Ø 1/4" - 9/16"	

0 1/4	5/10
INCH	Code
Ø 1/4"	SSPI.1/4"
Ø 5/16"	SSPI.5/16"
Ø 3/8"	SSPI.3/8"
Ø 7/16"	SSPI.7/16"
Ø 1/2"	SSPI.1/2"
Ø 9/16"	SSPI.9/16"



DoC 2" Ø 1/4" - 9/16"

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



## Countersink

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

## DIA Ø 3/8" - 2"

INCH	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







## Step drill

Sizing	Description	Shank	Code
13 X 1/8" STEP	STEP DRILL 1/8" - 1/2"	1/4" SHANK, 3 FLATS	ESD.INCH-A
9 X 3/16" STEP	STEP DRILL 1/4" - 3/4"	3/8" SHANK, 3 FLATS	ESD.INCH-B
12 X 1/8" STEP	STEP DRILL 3/16" - 7/8"	3/8" SHANK, 3 FLATS	ESD.INCH-C
6 X 3/8" STEP	STEP DRILL 3/16" - 1/2"	1/4" SHANK, 3 FLATS	ESD.INCH-D
6 X 1/4" STEP	STEP DRILL 3/16" - 1/2"	1/4" SHANK, 3 FLATS	ESD.INCH-E
14/4 STEP	STEP DRILL 1/4" - 1-1/8"	3/8" SHANK, 3 FLATS	ESD.INCH-F
16/5 STEP	STEP DRILL 1/4" - 1/3/8"	1/2" SHANK, 3 FLATS	ESD.INCH-G





#### Magnetic stick for cleaning up metal chips, etc. (7/8" x 15 3/4")

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

## Easily clean up sharp-edged metal chips,

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

MAGICSTICK



# ADG.2(A/S)

## Air die grinders

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

- Excellent for grinding, polishing, deburring and smoothing sharp edges
- Four-speed rear regulator
- 360 degrees adjustable exhaust deflector
- Safety lever trigger
- Standard 1/4" collet

Technical data	ADG.2A	ADG.2S
Weight	1.16 lbs	1.47 lbs
Free speed	20.000 rpm	
Collet	1/4"	
Air inlet (PT)	1/4"	
Air hose (ID)	3/8"	
Avg. air consumption	4 SCFM	5 SCFM
Working pressure	6.3 bar (90 psi)	
Length	7 5/8"	
Height	2 3/4"	

## Key specs:



ADG.2S

## Key specs:







**5"** cutting capacity

Ø

adjustment angle

()

9.2 A

100 - 265 ft

revolutions





1. Simple speed adjustment with quick guide



2. Wide cutting angle adjustment range

## EBS.500

## Band saw 5"

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

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

Technical data			
Dimensions (I x w x h)	25 9/16" x 12 13/16" x 17 3/4"		
Weight	44.1 lbs		
Motor power	9.2 A		
Cutting speed	adjustable, 100 - 265 ft		
Cutting angle	adjustable, 0° - 60°		
Cutting capacity: at 0°	0	5"	
		5" × 5"	
at 45°	0	3"	
		3" x 3"	
at 60°	0	2"	
		2" x 2"	
	1/2" x 0.03 x 56 11/16",		
Saw band	10 - 14 tpi		
	M42 8% Cobalt		
Voltage	110 - 120 V / 60 Hz		



saw band 1/2" x 0.03 x 56 11/16", 10-14 tpi Art. nr.: 500.0001

# 'This is not a drill' \_We repeat 'This is not a drill'



## EDC.135

## Dry cut-off saw 14"

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

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

Technical data		
Dimensions (I x w x h)	24" x 11 1/8" x 24 13/16"	
Weight	50.7 lbs	
Motor power	20 A	
Cutting speed (no load)	1300 rpm	
Cutting angle	adjustable, 0° - 45°	
Bore size	Ø 1"	
	•	5 1/8"
Cutting capacity at 0°		4 3/4" x 4 3/4"
alu		3 3/4" x 7 1/4"
	•	4 1/8"
Cutting capacity at 45°		3 9/16" x 3 9/16"
		3 1/8" x 4 5/16"
Max. Ø saw blade	14"	
Voltage	110 - 120 V / 60 Hz	

## Key specs:





- 2. Easy blade replacement
- 3. Adjustable vice 0° 45°

# Accessory EDC.135

EUROBOOR

EDC.135 uses: saw blade 14", 72 teeth, bore 1" Art. nr.: 130.355/80

## Key specs:

## 0 lbs 21

weight





()

16.3 A

2300

revolutions

cutting capacity

adjustment angle



## EHC.230/3

# Circular cut-off saw 9"

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

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

Technical data	
Dimensions (I x w x h)	16 9/16" x 8 1/4" x 14 9/16"
Weight	21 lbs
Motor power	16.3 A
Cutting speed (no load)	2300 rpm
Cutting angle, adjustable	0 - 45°
Bore size	Ø 1
Max. Saw depth 0°	3 1/4"
Max. Saw depth 45°	2 1/4"
Max. Ø saw blade	9 1/16"
Max. Continuous use	45 minutes
Continuous capacity	1/4"
Cut-off capacity	1/8" - 3/8", built-in laser indication
Voltage	110 V / 60 Hz





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.



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.



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.



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.

Metal workers choice

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

## **Euroboor worldwide**





## Abridged version of the general terms and conditions

of (i) EUROBOOR B.V., in Zoetermeer The Netherlands, (ii) Euroboor USA Inc., Birmingham, USA., (iii) Euroboor LC, St. Petersburg, Russia, (iv) MEEBS FZE, Sharjah, UAE,

(v) Euroboor Metal Constructions Instruments Co., Zhangjiagang, China

#### 1. General

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

#### 2. Quotations

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

#### 3. Agreements

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

#### 4. Prices

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

#### 5. Deliveries and leadtimes

Delivery times are stated as approximate. Excess of delivery times does not give rise to any claims for damages by the

customer in any event. Cancellation is only permitted after repeated excess of delivery times, and only following written notice of default by the customer.

#### 6. Liability

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

#### 7. Complaints

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

#### 8. Payment and retention of title

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

#### 9. Disputes and applicable law

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

## Notes

	<u>"</u>	Annular cu
	U	Twist drillin
		Countersin
		Threading
		Weight
		Motor pow
		Bar (PSI)
	■ ■ <b>→</b>	Magnetic f
	1 1	Stroke
	$\mathbf{\Phi}$	Swivelbase
		CW / CCW
	Nm	Torque cor
	•	Overload p
		Overheat p
	<b>(</b>	Gyro-Tec p
	<b>0</b>	Oil lubricat
	DIG	Digital read
	÷Ò:-	LED load ii
	•	Smart Res
	*	When the mo tecnnology er
		job. When the
	*	electronics re
	4	Automatic Drills automa
		hole is drilled
		Adjustable
		Bevel dept
	Ø	Cutting ca
www.euroboor.com	$\mathcal{L}$	Adjustmen

## Icon guide

Z	Annular cutting Ø
Z	Twist drilling Ø
M	Countersinking Ø
	Threading
Å	Weight
()	Motor power
	Bar (PSI)
Ω	Magnetic force
Ţ	Stroke
$\uparrow$	Swivelbase magnet
$\square$	CW / CCW rotation
Nm	Torque control
•	Overload protection
Û	Overheat protection
0	Gyro-Tec protection: detects displacement
ð	Oil lubricated gearbox
DIG	Digital readout display
Ö.	LED load indicators
	Smart Restart When the motor is in overload, the Smart Restart torque control tecnnology ensures trouble-free continuation of your drilling job. When the feed pressure is manually reduced, the machines electronics recognize the reduction and the motor continues.
¢	Automatic feed and return Drills automatically and returns to its starting position when the hole is drilled. This option works only with annular cutters.
RPM	Adjustable speed
	Bevel depth
Ø	Cutting capacity round/square
	Adjustment angle

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