Catalog 2017

EUROBOOR

FOR PROFESSIONALS BY PROFESSIONALS

We know the drill

Magnetic drilling machines

Annular Cutters up to 8"

Accessories

www.euroboorusa.com

Icon guide

Explanation of Euroboor electric machine charateristics on icon placement

- Annular cutters Ø in inch
- Twist drills Ø in inch
- Countersinking Ø in inch
- Threading in inch
- Weight in lbs
- Motor power in amps
- Bar (PSI)
- Magnetic force in lbs
- Stroke in inch
- Swivelbase magnet
- CW/CCW rotation
- Soft start
- Overload protection
- Heat protection
- GearBox Oil filled
- Digital readout display
- 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 is works only with annular cutters.

- Revolutions
- Bevel depth in inch
- Cutting capacity round/square in inch
- Adjustment angle
- Authorized for explosive environments (ATEX)

Our mission

Albert Koster
CEO

At Euroboor it is our mission to exceed client expectations by constantly innovating our products. We also make sure we provide our employees with a dynamic and transparent work environment, where they can operate from core values such as respect, integrity, openness, passion and drive.

Our machines are considered to be the market standard in quality, reliability, efficiency and accuracy. It is our goal to exceed our customer's expectations for working with Euroboor tools. In all our companies you'll meet employees who will welcome you with an open mind and who are willing to make an extra effort to ensure your customer's journey is a pleasant one. The growing number of satisfied customers is our reward.

It's all about making our customer happy ☺

EUROBOOR

ISO9001
certified company

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Magnetic drilling machines

Our Magnetic Drilling Machines are designed and engineered to the highest standards. With our experience in this specific field we dare to say that we know what you need. We stay in charge of today's and tomorrow's demands by being active in the field and remain in close contact with the people that actually use our machines.

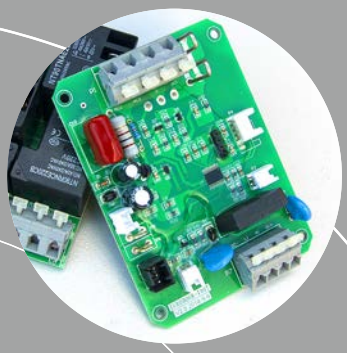
We develop, design, engineer and produce our Magnetic Drilling Machines in-house. We only use the best and most trustworthy suppliers, and in case we cannot find one that fulfills our high demands, we roll up our sleeves and produce the required part ourselves. The same applies for all our drills and cutters too.

Since a machine is only as good as its weakest part, stringent durability tests in the intended machine configuration are performed for even the smallest part development.

Every stage in the production process is subjected to strict quality checks and pre-shipment inspections are equally meticulous. Only thus can we ensure the quality, durability, safety and performance you can be confident about.

Our full line-up of Magnetic Drilling Machines ranges from small scale fabrication to construction purposes and is designed to offer you the best possible options. Regardless of your company size, specialism or tasks at hand, you will find the perfect match at Euroboor.

Quality controlled



Easy to use

Powerful motors

Reliable electronics

Part by part completely Euroboor

Products you can count on and quality you would expect. We guarantee it!

Strong gearboxes

Sturdy construction

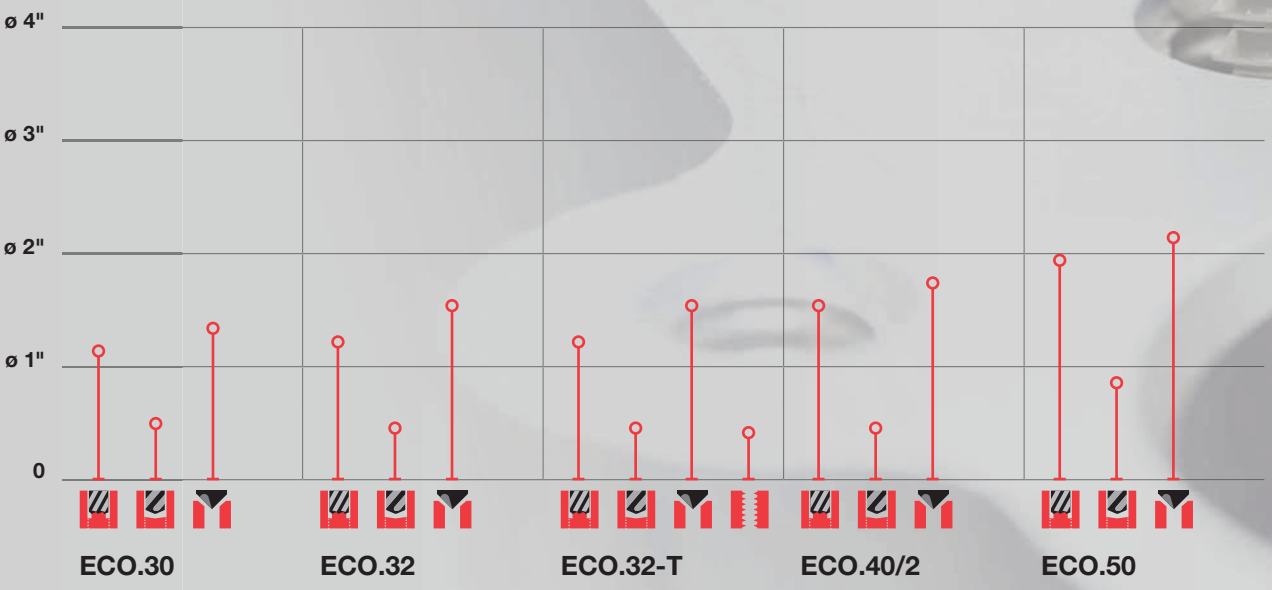
Dutch innovation & engineering

Perfectly matched spindle sizing

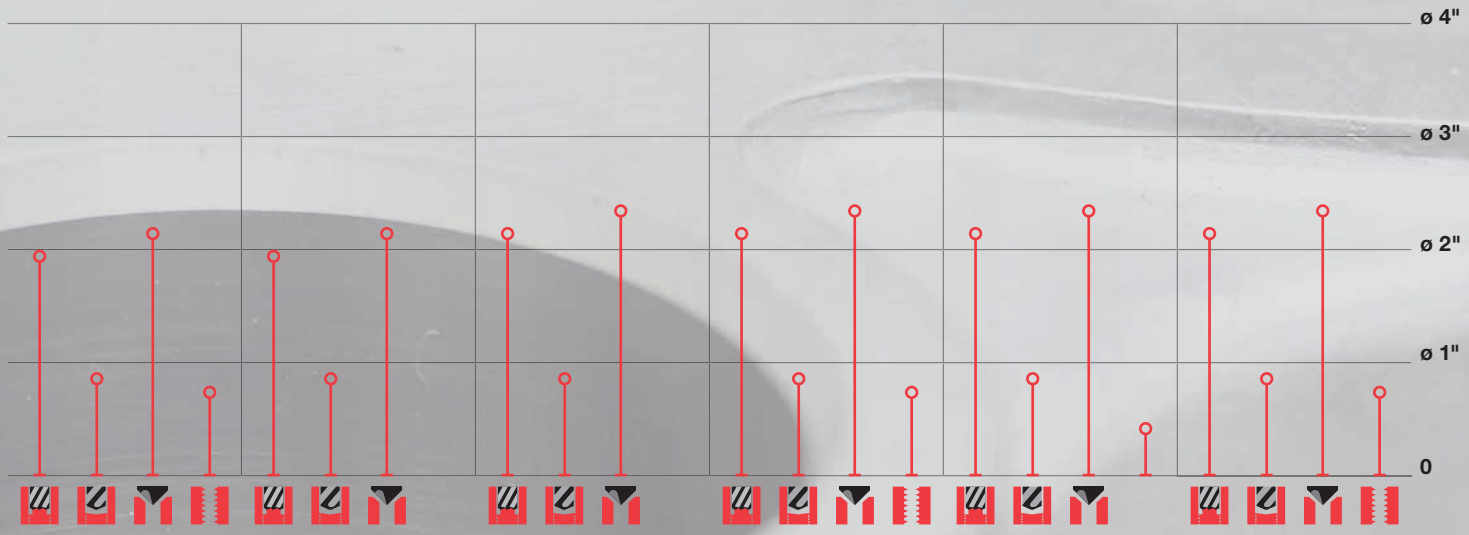
Electromagnets adapted for the performance of each machine

Magnetic Drilling Machines overview

Table of maximum drill diameter: annular cutter, twist drill, countersink and threading



	Small scale fabrication			Big scale fabrication	
	ECO.30	**ECO.32**	**ECO.32-T**	**ECO.40/2**	**ECO.50**
Annular cutters	Ø $1^{3/16}$"	Ø $1^{1/4}$"	Ø $1^{1/4}$"	Ø $1^{9/16}$"	Ø 2"
Twist drills	Ø 1/16" - 1/2"	Ø 1/16" - 1/2"	Ø 1/16" - 1/2"	Ø 1/16" - 1/2"	Ø 1/16" - 1"
Countersinking	Ø $1^{3/8}$"	Ø $1^{9/16}$"	Ø $1^{9/16}$"	Ø $1^{3/4}$"	Ø $2^{3/16}$"
Threading	n/a	n/a	1/8" - 1/2"	n/a	n/a
Length	$10^{1/16}$"	$12^{5/8}$"	$12^{5/8}$"	$12^{5/8}$"	$12^{5/8}$"
Width	$6^{11/16}$"	$8^{1/4}$"	$8^{1/4}$"	$8^{1/4}$"	$8^{1/4}$"
Height	$11^{9/16}$" - $15^{1/16}$"	$14^{9/16}$" - $20^{3/16}$"	$14^{9/16}$" - $20^{3/16}$"	$15^{9/16}$" - $21^{1/4}$"	$15^{3/16}$" - $21^{1/4}$"
Stroke	$3^{9/16}$"	$5^{15/16}$"	$5^{15/16}$"	$5^{15/16}$"	$6^{11/16}$"
Weight	18.7 lbs	26.5 lbs	26.5 lbs	26.5 lbs	29.8 lbs
Magnet (lxwxh)	$6^{5/16}$" x $3^{1/8}$" x $1^{7/16}$"	$6^{5/16}$" x $3^{1/8}$" x $1^{5/8}$"	$6^{5/16}$" x $3^{1/8}$" x $1^{5/8}$"	$6^{5/16}$" x $3^{1/8}$" x $1^{5/8}$"	$6^{11/16}$" x $3^{3/8}$" x $1^{7/8}$"
Magnetic force	2650 lbs	3300 lbs	3300 lbs	3300 lbs	4075 lbs
Motor power	8.2 A	9.1 A	9.1 A	9.5 A	11.4 A
Total power	8.6 A	9.5 A	9.5 A	10.0 A	12.5 A
Speed (no load)	775 rpm	775 rpm	100-600 rpm	720 / 1300 rpm	380 / 690 rpm
Speed (load)	440 rpm (8.2 A)	440 rpm (9.1 A)	225 rpm (9.1 A)	315 / 560 rpm (9.5 A)	235 / 425 rpm (11.4 A)
Spindle	3/4" Weldon	3/4" Weldon	3/4" Weldon	3/4" Weldon	MT2 3/4" Weldon
Power source	110 V / 60 Hz	110 V / 60 Hz	110 V / 60 Hz	110 V / 60 Hz	110 V / 60 Hz



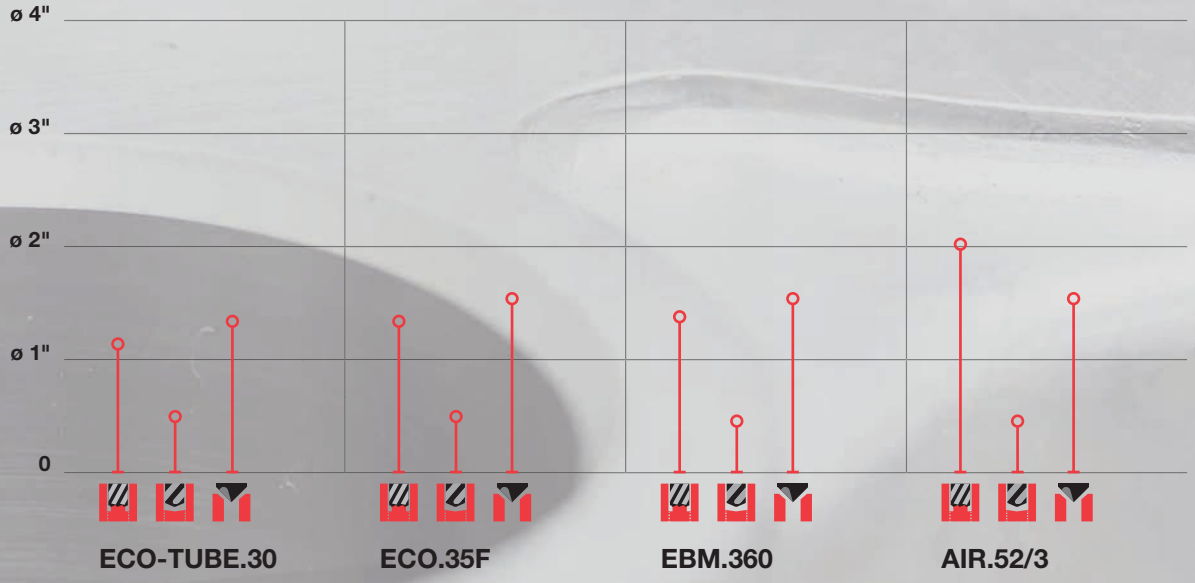
ECO.50-T	ECO.50S	ECO.55	ECO.55-T	ECO.55-A	ECO.55-TA
Ø 2"	Ø 2"	Ø $2^{3/16}$"	Ø $2^{3/16}$"	Ø $2^{3/16}$"	Ø $2^{3/16}$"
Ø 1/16" - 1"	Ø 1/16" - 15/16"	Ø 1/16" - 15/16"	Ø 1/16" - 15/16"	Ø 1/16" - 15/16"	Ø 1/16" - 15/16"
Ø $2^{3/16}$"	Ø $2^{3/16}$"	Ø $2^{3/8}$"	Ø $2^{3/8}$"	Ø $2^{3/8}$"	Ø $2^{3/8}$"
1/8" - 13/16"	n/a	n/a	1/8" - 13/16"	n/a	1/8" - $1^{3/16}$"
$12^{5/8}$"	$12^{5/8}$"	$12^{5/8}$"	$12^{5/8}$"	$13^{9/16}$"	$13^{9/16}$"
$8^{1/4}$"	7 7/8"	$7^{7/8}$"	$7^{7/8}$"	12"	12"
$15^{3/16}$" - $21^{1/4}$"	17 $^{1/2}$" - 24 $^{3/16}$"	$19^{5/16}$" - 26"	$19^{5/16}$" - 26"	$19^{5/16}$" - 26"	$19^{5/16}$" - 26"
$6^{11/16}$"	6 $^{11/16}$"	$6^{11/16}$"	$6^{11/16}$"	$6^{11/16}$"	$6^{11/16}$"
29.8 lbs	24.6 lbs	30 lbs	30 lbs	35 lbs	35 lbs
$6^{11/16}$" x $3^{3/8}$" x $1^{7/8}$"	$6^{5/16}$" x 3 $^{1/8}$" x 1 $^{7/16}$"	$6^{11/16}$" x $3^{3/8}$" x $1^{7/8}$"	$6^{11/16}$" x $3^{3/8}$" x $1^{7/8}$"	$6^{11/16}$" x $3^{3/8}$" x $1^{7/8}$"	$6^{11/16}$" x $3^{3/8}$" x $1^{7/8}$"
4075 lbs	3300 lbs	4100 lbs	4100 lbs	4100 lbs	4100 lbs
11.4 A	11.4 A	14.5 A	14.5 A	14.5 A	14.5 A
12.5 A	11.8 A	15.5 A	15.5 A	15.6 A	15.6 A
100-280 / 185-530 rpm	315 / 690 rpm	275 / 500 rpm	60 - 275 / 100 - 500 rpm	275 / 500 rpm	60 - 275 / 100 - 500 rpm
250 / 460 rpm (11.4 A)	235 / 425 rpm (11.4 A)	275 / 500 rpm (14.5 A)	60 - 275 / 100 - 500 rpm (14.5 A)	275 / 500 rpm (14.5 A)	60 - 275 / 100 - 500 rpm (14.5 A)
MT2 3/4" Weldon	MT3 3/4" Weldon	MT3 3/4" Weldon	MT3 3/4" Weldon	MT3 3/4" Weldon	MT3 3/4" Weldon
110 V / 60 Hz	110 V / 60 Hz	110 V / 60 Hz	110 V / 60 Hz	110 V / 60 Hz	110 V / 60 Hz

Magnetic Drilling Machines overview

Table of maximum drill diameter: annular cutter, twist drill, countersink and threading

Construction				
	ECO.80/4	**ECO.100/4**	**ECO.100/4 D**	**ECO.200**
Annular cutters	Ø 3 3/16"	Ø 4"	Ø 4"	Ø 8"
Twist drills	Ø 1" - 1 1/4"	Ø 1" - 1 1/4"	Ø 1" - 1 1/4"	Ø up to 1 3/4"
Countersinking	Ø 3 3/8"	Ø 4 1/8"	Ø 4 1/8"	Ø 8 1/16"
Threading	n/a	1/8" - 1 3/16"	1/8" - 1 3/16"	n/a
Length	14 3/8"	14 3/8"	14 3/8"	18 7/8"
Width	12 3/16"	12 3/16"	12 3/16"	10 1/4"
Height	20 1/16" - 27 15/16"	20 1/16" - 27 15/16"	20 1/16" - 28 1/8"	26" - 33 1/16"
Stroke	10 1/4"	10 1/4"	10 1/4"	7 1/16"
Weight	61.7 lbs	61.7 lbs	61.7 lbs	116 lbs
Magnet (lxwxh)	8 11/16" x 4 5/16" x 2 1/2"	8 11/16" x 4 5/16" x 2 1/2"	8 11/16" x 4 5/16" x 2 1/2"	13" x 4 5/16"
Magnetic force	6600 lbs	6600 lbs	6600 lbs	8600 lbs
Motor power	15.5 A	17.3 A	17.3 A	32.7 A
Total power	16.4 A	18.6 A	18.6 A	34.5 A
Speed (no load)	200 / 320 / 415 / 650 rpm	42-110 / 65-190 / 140-400 / 220-620 rpm	42-110 / 65-190 / 140-400 / 220-620 rpm	410 / 170 rpm
Speed (load)	150 / 200 / 275 / 400 rpm (15.5 A)	85 / 152 / 270 / 480 rpm (17.3 A)	85 / 152 / 270 / 480 rpm (17.3 A)	150 / 70 rpm (32.7 A)
Spindle	MT3 3/4" Weldon	MT3 3/4" Weldon	MT3 3/4" Weldon	MT4 1 1/4" Weldon
Power source	110 V / 60 Hz	110 V / 60 Hz	110 V / 60 Hz	110 V / 60 Hz

Table of maximum drill diameter: annular cutter, twist drill, countersink and threading



Specials

F16	ECO-TUBE.30	ECO.35F	EBM.360	AIR.52/3
n/a	Ø $1^{3/16}$"	Ø $1^{3/8}$"	Ø $1^{1/2}$"	Ø $2^{1/16}$"
n/a	Ø 1/16" - 1/2"	Ø 1/4" - 9/16" weldon	Ø 1/16" - 1/2"	Ø 1/16" - 1/2"
n/a	Ø $1^{3/8}$"	Ø $1^{9/16}$"	Ø $1^{9/16}$"	Ø $1^{9/16}$"
n/a	n/a	n/a	n/a	n/a
$12^{3/16}$"	$10^{1/16}$"	$11^{1/4}$"	$11^{11/16}$"	$13^{3/8}$"
$6^{11/16}$"	$6^{11/16}$"	4"	$8^{1/4}$"	$9^{13/16}$"
$12^{13/16}$" - $19^{1/2}$"	$11^{9/16}$" - $15^{1/16}$"	$8^{1/4}$"	$19^{9/16}$" - 24"	$22^{1/16}$"
$6^{11/16}$"	$3^{9/16}$"	$2^{3/8}$"	$9^{1/16}$"	$4^{3/4}$"
30 lbs	18.7 lbs	22 lbs	33 lbs	28.7 lbs
$6^{5/16}$" x $3^{1/8}$" x $1^{7/16}$"	$6^{5/16}$" x $3^{1/8}$" x $1^{5/8}$"	$6^{1/2}$" x $3^{1/8}$"	$6^{5/16}$" x $3^{1/8}$" x $1^{5/8}$"	$8^{11/16}$" x $2^{15/16}$"
2645 lbs	1173 lbs	3300 lbs	3750 lbs	2200 lbs
n/a	8.2 A	10 A	35.1 A DC	n/a
n/a	8.6 A	10.4 A		n/a
n/a	775 rpm	650 rpm	506 rpm	400 rpm
n/a	400 rpm (8.2 A)	390 rpm (10 A)	375 rpm (35.1 A)	-
n/a	3/4" Weldon	3/4" Weldon	3/4" Weldon	3/4" Weldon
110 V / 60 Hz	110 V / 60 Hz	110 V / 60 Hz	37V Battery 7.6Ah li-ion	min. 6,3 bar (90 PSI) 0,9 m^3/min (30cfm)

ECO.30

See icon guide on page 02

1 3/16" | 1/2" | 1 3/8"

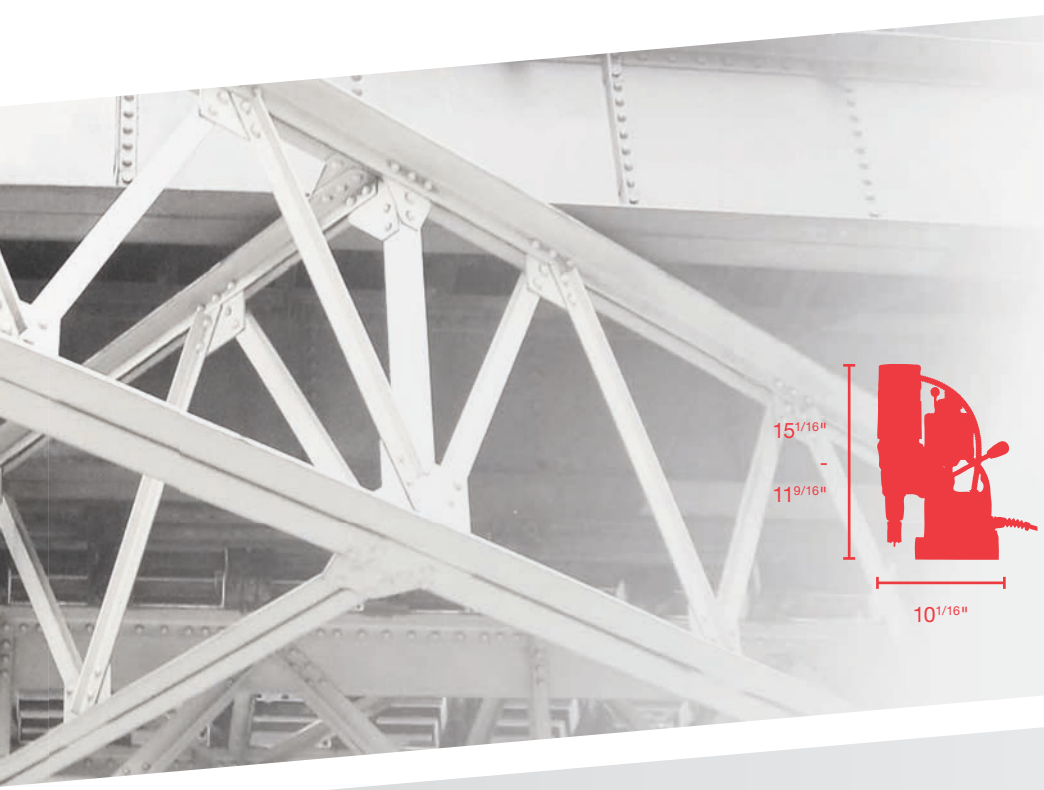
18.7 lbs | 8.2 A | 2650 lbs | 3 9/16"

World's lightest Mag Drill!
Only 18.7 lbs

Due to its compact size the ECO.30 is the ideal machine to drill holes in small spaces. The ECO.30 measures barely 11" long and weighs only 18.7 lbs. With its 8.2 A power the ECO.30 cuts holes between ø 7/16" and 1 3/16" easily and quickly.

This machine is ideal for:

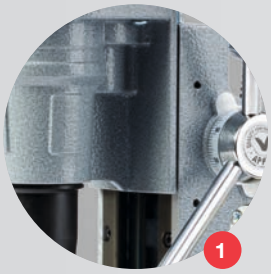
- Small fabrication jobs
- All-day use throughout the workshop
- Drilling tasks at location
- Quick preparation



Features

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

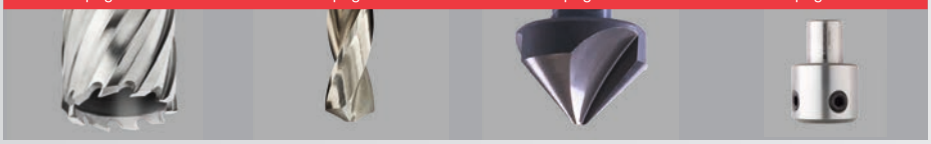
Technical data	
Annular cutters	Ø 7/16" - 1 3/16"
Twist drills	max. Ø 1/2"
Countersinking	Ø 1 3/8"
Length	10 1/16"
Width	6 11/16"
Height	11 9/16" - 15 1/16"
Stroke	3 9/16"
Weight	18.7 lbs
Magnet (l x w x h)	6 5/16" x 3 1/8" x 1 7/16"
Magnetic force	2650 lbs
Motor power	8.2 A
Total power	8.6 A
Speed (no load)	775 rpm
Speed (load 8.2 A)	440 rpm
Spindle (Weldon)	3/4" Weldon
Voltage	110 V / 60 Hz
Also available in	220 V / 60 Hz



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

2 Ergonomic anti fatigue grip
3 Strong dual coil CNC machined magnet
4 High precision height adjustment:
Low maintenance, minimal wear correction
5 Every ECO.30 is delivered fully equipped in a sturdy and organized suitcase

> Ø 1 3/16" see page: 73 - 78
> Ø 1/2" (weldon) see page: 84
> Ø 1 3/8" see page: 84
accessories see page: 61



ECO.32

See icon guide on page 02

1 1/4"	1/2"	1 9/16"
26.5 lbs	9.1 A	3300 lbs
		5 15/16"

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

Features

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

Technical data	
Annular cutters	Ø 7/16" - 1 1/4"
Twist drills	Ø 1/16" - 1/2"
Countersinking	Ø 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 (l x w x h)	6 5/16" x 3 1/8" x 1 5/8"
Magnetic force	3300 lbs
Motor power	9.1 A
Total power	9.5 A
Speed (no load)	775 rpm
Speed (load 9.1 A)	440 rpm
Spindle (Weldon)	3/4" Weldon
Voltage	110 V / 60 Hz
Also available in	220 V / 60 Hz


1


2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4


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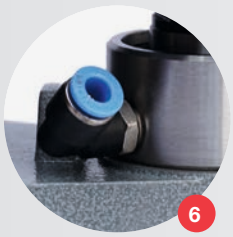
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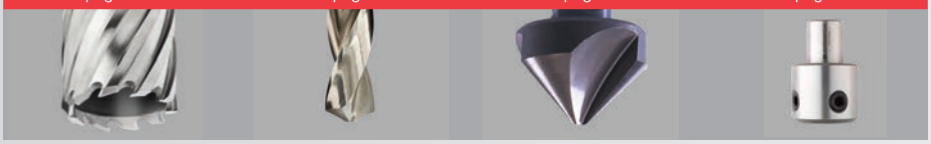
> Ø 1 1/4"	> Ø 1/2"	> Ø 1 9/16"	accessories
see page: 73 - 79	see page: 84	see page: 84	see page: 61



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

ECO.32-T

See icon guide on page 02

1 1/4"	1/2"	1 9/16"	1/2"
26.5 lbs	9.1 A	3300 lbs	5 15/16"

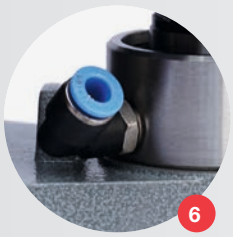
The best all-round magdrill in it's range

Need to drill and tap a 1 1/4" hole at a great height? The ECO.32-T is designed to complete your tailor-made work at all altitudes.

Features

- **Single speed gearbox**
- **Compact design**
- **Detachable spindle**
- **Practical long stroke**
- **Clear and easy controls**
- **Left & right rotating**
- **Electronically adjustable rotating speed**

Technical data	
Annular cutters	Ø 7/16" - 1 1/4"
Twist drills	Ø 1/16" - 1/2"
Countersinking	Ø 1 9/16"
Threading	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 (l x w x h)	6 5/16" x 3 1/8" x 1 5/8"
Magnetic force	3300 lbs
Motor power	9.1 A
Total power	9.5 A
Speed (no load)	100-600 rpm
Speed (load 9.1 A)	225 rpm
Spindle (Weldon)	3/4" Weldon
Voltage	110 V / 60 Hz
Also available in	220 V / 60 Hz



1 Ergonomic feed handle
2 High precision height adjustment:
Low maintenance, minimal wear correction
3 Strong dual coil CNC machined magnet
4 Clear and easy controls
5 Detachable spindle
6 Cooling ring
7 Switch left & right rotation
8 Electronic speed adjustment

> Ø 1 1/4"	> Ø 1/2"	> Ø 1 9/16"	> 1/2"	accessories
see page: 73 - 79	see page: 84	see page: 84		see page: 61

ECO.40/2

See icon guide on page 02

1 9/16"	1/2"	1 3/4"
26.5 lbs	9.5 A	3300 lbs
		5 15/16"

High speed gearing

Specially designed for twist drilling

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

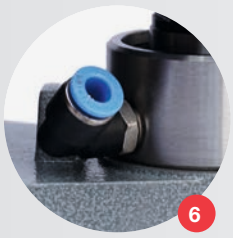
This machine is ideal for:

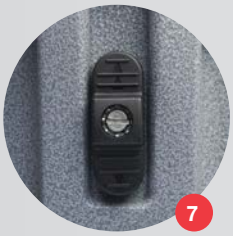
- Twist drilling

Features

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

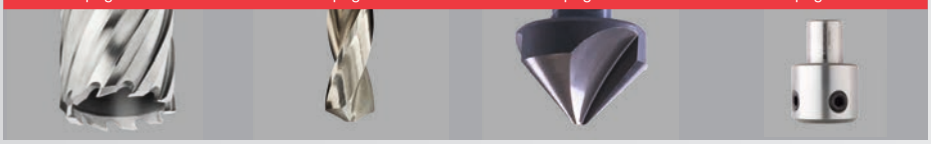
Technical data	
Annular cutters	Ø 7/16" - 1 9/16"
Twist drills	Ø 1/16" - 1/2"
Countersinking	Ø 1 3/4"
Length	12 5/8"
Width	8 1/4"
Height	15 9/16" - 21 1/4"
Stroke	5 15/16"
Weight	26.5 lbs
Magnet (l x w x h)	6 5/16" x 3 1/8" x 1 5/8"
Magnetic force	3300 lbs
Motor power	9.5 A
Total power	10.0 A
Speed (no load)	(I)720 rpm
	(II)1300 rpm
Speed (load 9.5 A)	(I)315 rpm
	(II)560 rpm
Spindle (Weldon)	3/4" Weldon
Voltage	110 V / 60 Hz
Also available in	220 V / 60 Hz





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

> Ø 1 9/16" see page: 73 - 79
> Ø 1/2" see page: 84
> Ø 1 3/4" see page: 84
accessories see page: 61



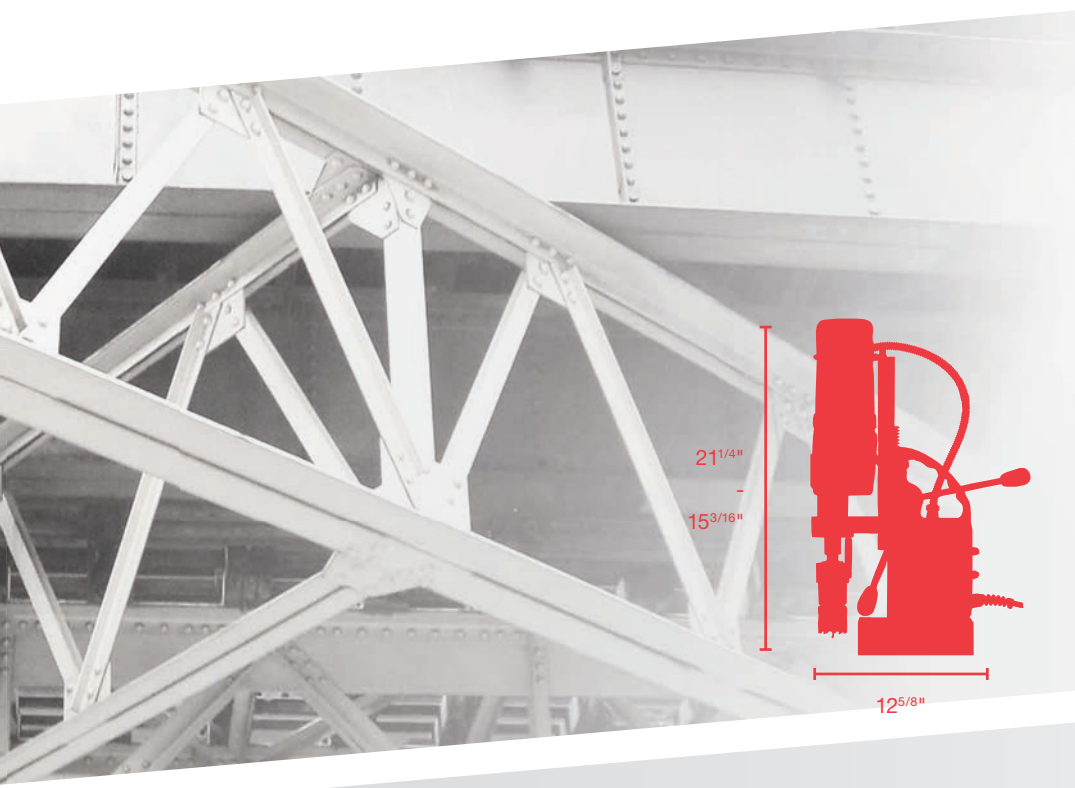
ECO.50

See icon guide on page 02

2"	15/16"	2 3/16"

29.8 lbs	11.4 A	4075 lbs	6 11/16"

For maximum power without sacrificing mobility, the ECO.50 with Morse Taper 2 connection is what you need. For years the ECO.50 has been the benchmark machine among users.



Features

- **2-speed gearbox**
- **Morse Taper 2 spindle**
- **Practical long stroke**

Technical data	
Annular cutters	Ø 7/16" - 2"
Twist drills	Ø 15/16"
Countersinking	Ø 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 (l x w x h)	6 11/16" x 3 3/8" x 1 7/8"
Magnetic force	4075 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)	MT2 3/4" Weldon
Voltage	110 V / 60 Hz
Also available in	220 V / 60 Hz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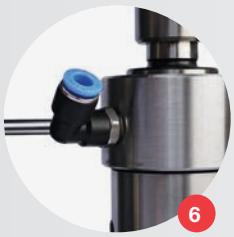
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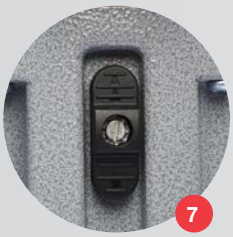

7

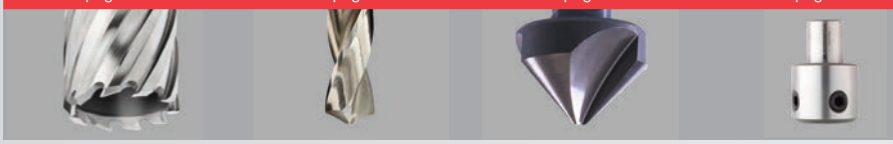
1 Ergonomic feed handle
2 High precision height adjustment:
- Low maintenance, minimal wear correction
3 Strong dual coil CNC machined magnet
4 Clear and easy controls
5 Morse Taper 2
6 Cooling ring on MC2
7 2-speed gearbox knob

> Ø 2" see page: 73 - 79

> Ø 15/16" see page: 84

> Ø 2 3/16" see page: 84

accessories see page: 61



ECO.50-T

See icon guide on page 02

2"	15/16"	2 3/16"	13/16"
29.8 lbs	11.4	4075 lbs	6 11/16"

For maximum power without sacrificing mobility, the ECO.50 with Morse Taper 2 connection is what you need. For years the ECO.50 has been the benchmark machine among users.

Features

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

Technical data	
Annular cutters	Ø 7/16" - 2"
Twist drills	Ø 15/16"
Countersinking	Ø 2 3/16"
Threading	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	4075 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" Weldon
Voltage	110 V / 60 Hz
Also available in	220 V / 60 Hz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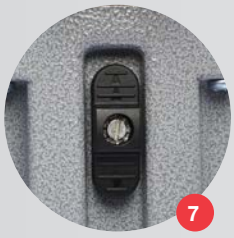
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1 Ergonomic feed handle
2 High precision height adjustment: Low maintenance, minimal wear correction
3 Strong dual coil CNC machined magnet
4 Clear and easy controls
5 Morse Taper 2
6 Cooling ring on MC2
7 2-speed gearbox switch
8 Left & right rotation
9 Electronic speed adjustment

> Ø 2" see page: 71 - 81
> Ø 15/16" see page: 84
> Ø 2 3/16" see page: 84
> 13/16"
accessories see page: 61

ECO.50S

See icon guide on page 02

2"
15/16"
2 3/16"
lbs 24.6
11.4 A
lbs 3300
6 11/16"

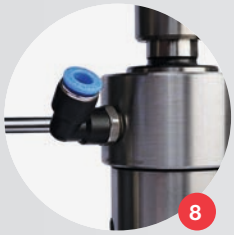
The most reliable magdrill on the market

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

Features

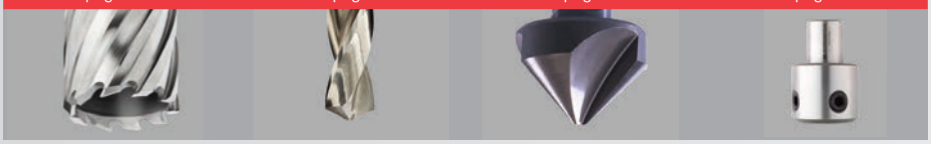
- **High precision slide & rail construction**
- **Integrated oil bath gearbox**
- **Morse Taper 3 spindle**
- **Practical long stroke**
- **2-speed gearbox**

Technical data	
Annular cutters	Ø 7/16" - 2"
Twist drills	Ø 1/16" - 15/16"
Countersinking	Ø 2 3/16"
Length	12 5/8"
Width	7 7/8"
Height	17 1/2" - 24 3/16"
Stroke	6 11/16"
Weight	24.6 lbs
Magnet (l x w x h)	6 5/16" x 3 1/8" x 1 7/16"
Magnetic force	3300 lbs
Motor power	11.4 A
Total power	11.8 A
Speed (no load)	(I)315 rpm
	(II)690 rpm
Speed (load 11.4 A)	(I)235 rpm
	(II)425 rpm
Spindle (Weldon)	MT3 3/4" Weldon
Voltage	110 V / 60 Hz
Also available in	220 V / 60 Hz



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

> Ø 2" see page: 73 - 79
> Ø 15/16" see page: 84
> Ø 2 3/16" see page: 84
accessories see page: 61



The all new ECO.55 series

Automatic and manual

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

ECO.55, ECO.55-T, ECO.55-A, ECO.55-TA

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

We left no page unturned in researching and developing the properties of individual components and the way they relate to each other. The results of these efforts are implemented in ECO.55 series: the most stable and fastest drilling magnetic base core drilling machine in its class.
As a bonus, this drilling machine actually informs you that you are drilling as efficiently as you possibly can!

Top features

LED load indicators and digital display with Smart Restart technology

Easily accessible carbon brushes
Auto shut-off carbon brushes

Oilbath gearbox
Maximum lubrication

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

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

Clear and easy controls
(With RPM dial and left and right switch on the ECO.55-T and ECO.55-TA)

LED load indicators

Machine is on.
No load

Start drilling.
Ideal working load

Acceptable overload

Close to overload.
Reduce the pressure on the handlebar.

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

* Smart Restart

When the motor is in overload, the Smart Restart torque control tecnnology ( ) ensures trouble-free continuation of your drilling job. When the feed pressure is reduced, the machines electronics recognize the reduction and the motor continues. Benefits your drilling time and helps against part deformation and wear.

ECO.55

See icon guide on page 02

2 3/16"

15/16"

1 9/16"

30 lbs

14.5 A

4100 lbs

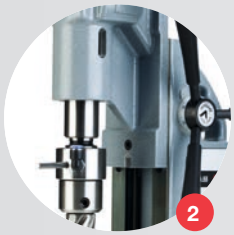
6 11/16"

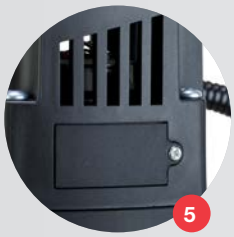
The ECO.55 series provide benchmark performance with regards to stability, durability and sheer cutting performance. Coming forth from years of continuous improvement and dedicated development these machines are engineered to provide power in the most efficient way possible. In addition we have added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

Features

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

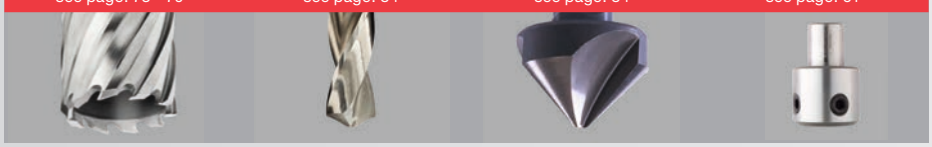
Technical data	
Annular cutters	Ø 7/16" - 2 3/16"
Twist drills	Ø 1/16" - 15/16"
Countersinking	Ø 2 3/8"
Length	12 5/8"
Width	7 7/8"
Height	19 5/16" - 26"
Stroke	6 11/16"
Weight	30 lbs
Magnet (l x w x h)	6 11/16" x 3 3/8" x 1 7/8"
Magnetic force	4100 lbs
Motor power	14.5 A
Total power	15.5 A
Speed (no load)	(I)275 rpm
	(II)500 rpm
Speed (load 14.5 A)	(I)275 rpm
	(II)500 rpm
Spindle (Weldon)	MT3 3/4"
Voltage	110 V / 60 Hz
Also available in	220 V / 60 Hz





1 Top digital display showing power usage
2 Integrated slide and gearbox system
3 Ergonomic feed handle
4 High accuracy capstan hub
5 Easily accessible carbon brushes
6 Gearbox switch
7 High precision height adjustment
8 Strong dual coil CNC machined magnet
9 Clear and easy controls

> Ø 2 3/16"	> Ø 15/16"	> Ø 2 3/8"	accessories
see page: 73 - 79	see page: 84	see page: 84	see page: 61



ECO.55-T

See icon guide on page 02

Our most versatile magdrill yet

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

Features

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

Technical data	
Annular cutters	Ø 7/16" - 2 3/16"
Twist drills	Ø 1/16" - 15/16"
Countersinking	Ø 2 3/8"
Threading	1/8" - 1 3/16"
Length	12 5/8"
Width	7 7/8"
Height	19 5/16" - 26"
Stroke	6 11/16"
Weight	30 lbs
Magnet (l x w x h)	6 11/16" x 3 3/8" x 1 7/8"
Magnetic force	4100 lbs
Motor power	14.5 A
Total power	15.5 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 V / 60 Hz
Also available in	220 V / 60 Hz

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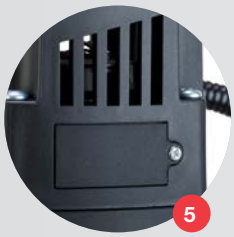
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1 Top digital display showing power usage
2 Integrated slide and gearbox system
3 Ergonomic feed handle
4 High accuracy capstan hub
5 Easily accessible carbon brushes
6 Gearbox switch
7 High precision height adjustment
8 Strong dual coil CNC machined magnet
9 Clear and easy controls

> Ø 2 3/16" see page: 73 - 79
> Ø 15/16" see page: 84
> Ø 2 3/8" see page: 84
> 1 3/16"
accessories see page: 61

ECO.55-A

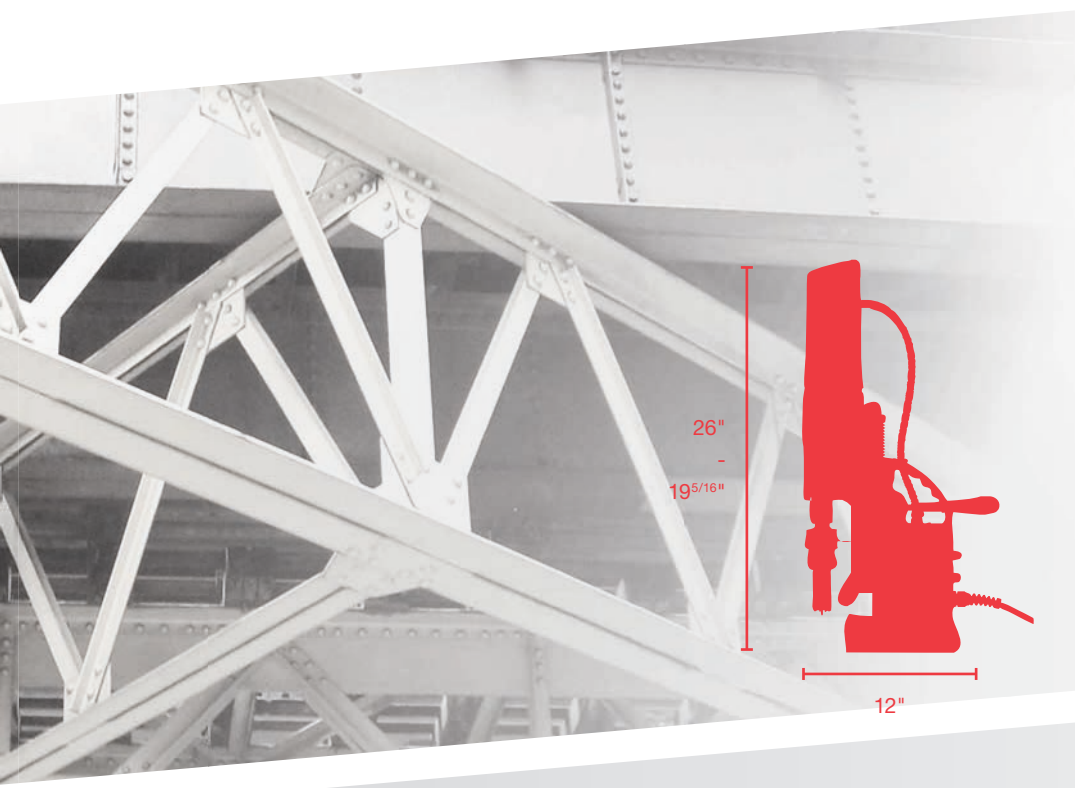
See icon guide on page 02

2 3/16"
15/16"
2 3/8"
35 lbs
14.5 A
4100 lbs
6 11/16"

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

This machine is ideal for:

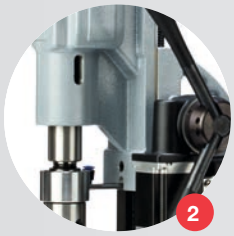
- Intelligent automatic drilling with annular cutters

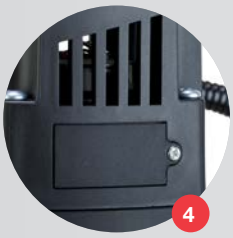


Features

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

Technical data	
Annular cutters	Ø 7/16" - 2 3/16" (mild steel)
Twist drills	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	35 lbs
Magnet (l x w x h)	6 11/16" x 3 3/8" x 1 7/8"
Magnetic force	4100 lbs
Motor power	14.5 A
Total power	15.6 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 V / 60 Hz
Also available in	220 V / 60 Hz

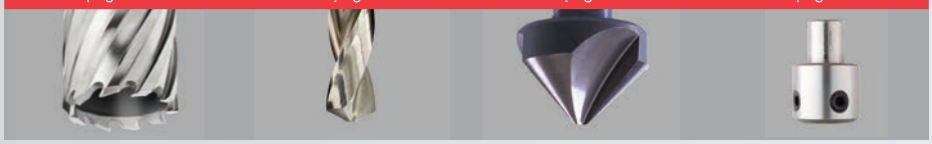




1 Top digital display showing power usage
2 Integrated slide and gearbox system
3 Ergonomic feed handle
4 Easily accessible carbon brushes
5 Gearbox switch
6 High precision height adjustment
7 Strong dual coil CNC machined magnet
8 Automatic drill functionality*

* For annular cutters

> Ø 2 3/16" see page: 73 - 79 | **> Ø 15/16"** see page: 84 | **> Ø 2 3/8"** see page: 84 | **accessories** see page: 61



ECO.55-TA

See icon guide on page 02

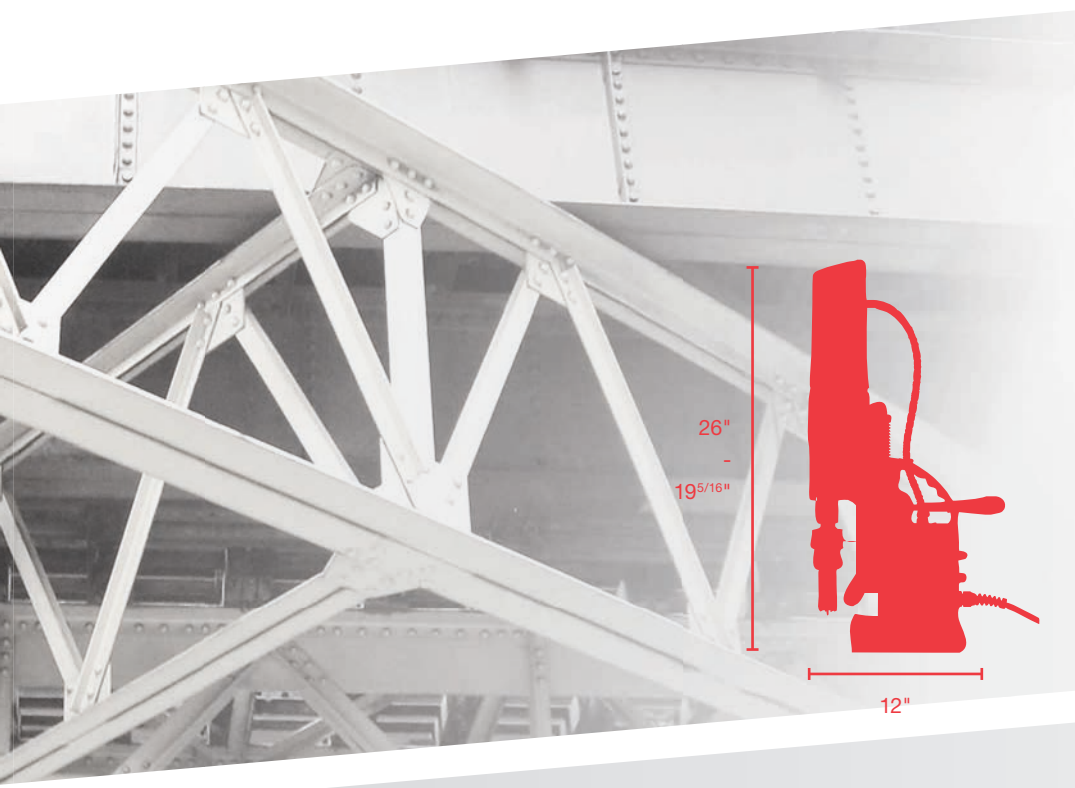
2 3/16" | 15/16" | 2 3/8" | 1 3/16"

lbs 35 | 14.5 A | lbs 4100 | 6 11/16"

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

This machine is ideal for:

- Intelligent automatic drilling with annular cutters with the option of (manual) reaming and tapping



Features

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

Technical data	
Annular cutters	Ø 7/16" - 2 3/16" (mild steel)
Twist drills	Ø 1/16" - 15/16"
Countersinking	Ø 3/8" - 2 3/8"
Threading	1/8" - 1 3/16"
Length	13 9/16"
Width	12"
Height	19 5/16" - 26"
Stroke	6 11/16"
Weight	35 lbs
Magnet (l x w x h)	6 11/16" x 3 3/8" x 1 7/8"
Magnetic force	4100 lbs
Motor power	14.5 A
Total power	15.6 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 V / 60 Hz
Also available in	220 V / 60 Hz

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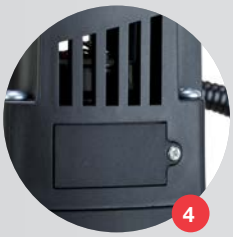
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1 Top digital display showing power usage
2 Integrated slide and gearbox system
3 Ergonomic feed handle
4 Easily accessible carbon brushes
5 Gearbox switch
6 High precision height adjustment
7 Strong dual coil CNC machined magnet
8 Automatic drill functionality*

* For annular cutters

> Ø 2 3/16" see page: 73 - 79

> Ø 15/16" see page: 84

> Ø 2 3/8" see page: 84

> 1 3/16"

accessories see page: 61

ECO.80/4

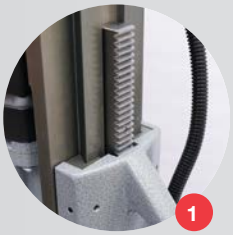
See icon guide on page 02

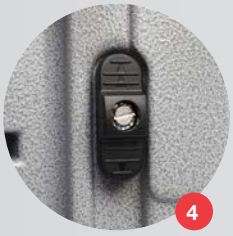
3 3/16"	1 1/4"	3 3/8"	
61.7 lbs	15.5 A	6600 lbs	10 1/4"

A solid bruiser with Morse Taper 3 connection. Thanks to the 4-speed gearbox this no-nonsense magnetic drilling machine is among other things perfect for challenging twist drilling.

Features

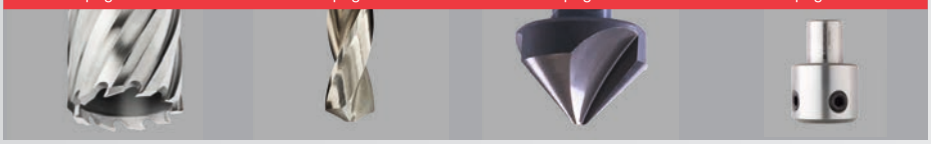
- **4-speed gearbox**
- **Morse Taper 3 spindle**
- **Highly useful very long stroke**
- **Clear and easy controls**
- **Perfect solution for simple but heavy drilling tasks**





Technical data	
Annular cutters	Ø 7/16" - 3 3/16"
Twist drills	Ø 1" - 1 1/4"
Countersinking	Ø 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 (l x w x h)	8 11/16" x 4 5/16" x 2 1/2"
Magnetic force	6600 lbs
Motor power	15.5 A
Total power	16.4 A
Speed (no load)	(I)200 rpm
	(II)300 rpm
	(III)415 rpm
	(IV)650 rpm
Speed (load 15.5 A)	(I)150 rpm
	(II)200 rpm
	(III)275 rpm
	(IV)400 rpm
Spindle (Weldon)	MT3 3/4" Weldon
Voltage	110 V / 60 Hz
Also available in	220 V / 60 Hz

> Ø 3 3/16" see page: 73 - 79
> Ø 1 1/4" see page: 84
> Ø 3 3/8" see page: 84
accessories see page: 61



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

ECO.100/4

See icon guide on page 02

4"
1 1/4"
4 1/8"
1 3/16"

lbs
61.7
17.3 A
lbs
6600
10 1/4"

min

Hole after hole, day in day out

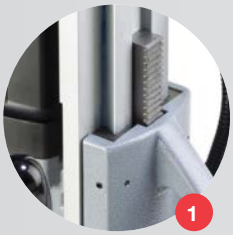
Stable and reliable all the way

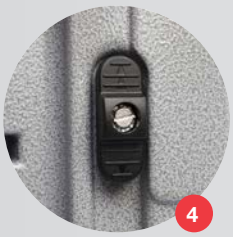
Large capacity combined with a load of possibilities: unprecedented powerful motor, state-of-the-art mechanically and electronically adjustable speed and torque control and hugely stable construction enable you to tackle a wide variety of drilling tasks.

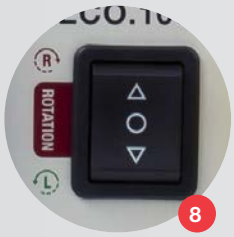
Features

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

Technical data	
Annular cutters	Ø 7/16" - 4"
Twist drills	Ø 1" - 1 1/4"
Countersinking	Ø 3/8" - 4 1/8"
Threading	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	61.7 lbs
Magnet (l x w x h)	8 11/16" x 4 5/16" x 2 1/2"
Magnetic force	6600 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 3/4" Weldon
Voltage	110 V / 60 Hz
Also available in	220 V / 60 Hz







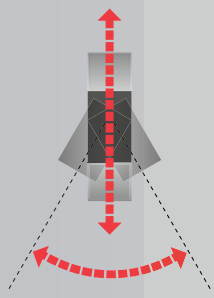
1 Aluminium guide rails (L-profile)
2 Integrated mounting of gearbox to slide
3 Cast aluminium motor holder
4 4-speed mechanical gearing
5 Morse Taper 3 spindle
6 Integrated tool cooling
7 Torque control on motor housing
8 Right / left rotating functionality
9 Electronic speed adjustment

> Ø 4"	> Ø 1 1/4"	> Ø 4 1/8"	> 1 3/16"	accessories
see page: 73 - 79	see page: 84	see page: 84		see page: 61

ECO.100/4 D

See icon guide on page 02

4"
1 1/4"
4 1/8"
1 3/16"
61.7 lbs
17.3 A
6600 lbs
10 1/4"



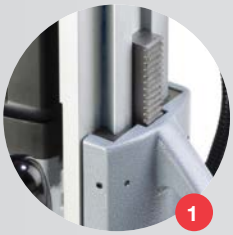
The magnet rotates 30° both ways and slides aprox 15-20 mm forwards and backwards.

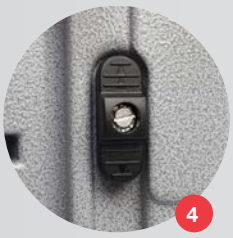
Large capacity combined with a load of possibilities: unprecedented powerful motor, state-of-the-art mechanically and electronically adjustable speed and torque control, hugely stable construction and a rotating base enable you to tackle the widest variety of drilling tasks.

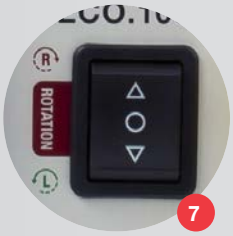
Features

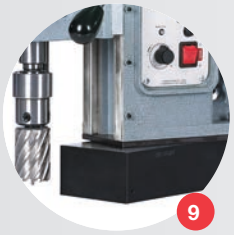
- **4-speed gearbox**
- **Morse Taper 3 spindle**
- **Highly useful very long stroke**
- **Left & right rotating**
- **Electronically adjustable rotating speed**
- **Electronically adjustable torque**
- **Swivel base**

Technical data	
Annular cutters	Ø 7/16" - 4"
Twist drills	Ø 1" - 1 1/4"
Countersinking	Ø 3/8" - 4 1/8"
Threading	1/8" - 1 3/16"
Length	14 3/8"
Width	12 3/16"
Height	20 1/16" - 28 1/8"
Stroke	10 1/4"
Weight	61.7 lbs
Magnet (l x w x h)	8 11/16" x 4 5/16" x 2 1/2"
Magnetic force	6600 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 3/4" Weldon
Voltage	110 V / 60 Hz
Also available in	220 V / 60 Hz









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

> Ø 4" see page: 73 - 79
> Ø 1 1/4" see page: 84
> Ø 4 1/8" see page: 84
> 1 3/16"
accessories see page: 61

ECO.200

See icon guide on page 02

8"

1 3/4"

8 1/16"

116 lbs

32.7 A

8600 lbs

7 1/16"

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

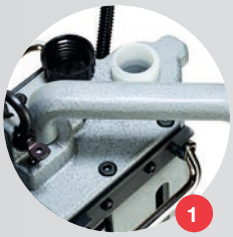
This machine is ideal for:

- Large diameter drilling tasks

Features

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

Technical data	
Annular cutters	Ø 7/16" - 8"
Twist drills	Ø up to 1 3/4"
Countersinking	Ø up to 8 1/16"
Length	18 7/8"
Width	10 1/4"
Height	26" - 33 1/16"
Stroke	7 1/16"
Weight	116 lbs
Magnet (l x w)	13" x 4 5/16"
Magnetic force	8600 lbs
Motor power	32.7 A
Total power	34.5 A
Speed (no load)	(I) 410 rpm
	(II) 170 rpm
Speed (load 32.7 A)	(I) 150 rpm
	(II) 70 rpm
Spindle (Weldon)	MT4 1 1/4" Weldon
Voltage	110 V / 60 Hz
Also available in	220 V / 60 Hz



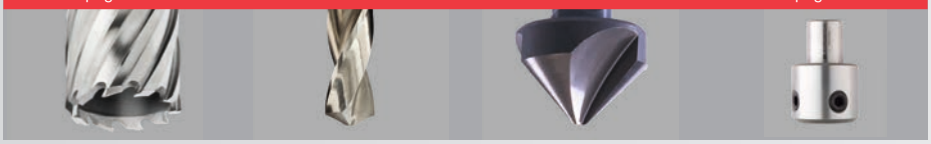
1 Integrated cooling fluid tank
2 High precision tubular rail balancer system, progressive feed assist
3 Extremely strong 2-speed gearing
4 Fold away carrying handles & lifting shackle
5 Super long stroke especially suitable for long cutters and twist drills
6 Cooling fluid level indication
7 Safety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

> Ø 8"
see page: 73 - 79

> Ø 1 3/4"

> Ø 8 1/16"

accessories
see page: 61



F16

See icon guide on page 02

lbs	lbs	
30	2645	6 11/16"

Suitable for your favorite handrill machine

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

Features

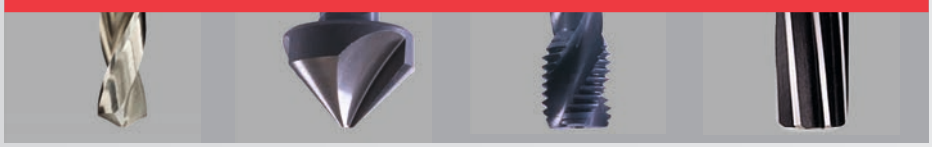
- **1 11/16" (43mm) Euro collar connection (optional 1 5/16"(33mm) and 1 1/2"(38mm) filler rings included)**
- **Perfect solution for high precision small diameter drilling tasks**
- **User friendly controls**
- **Every F16 is delivered fully equipped in a sturdy and organized suitcase**

Technical data	
Length	12 3/16"
Width	6 11/16"
Height	12 13/16" - 19 1/2"
Stroke	6 11/16"
Weight	30 lbs
Magnet (l x w x h)	6 5/16" x 3 1/8" x 1 7/16"
Magnetic force	2645 lbs
Voltage	110 V / 60 Hz
Also available in	220 V / 60 Hz

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

Example of application

Twistdrills	Countersinking	Tapping	Reaming

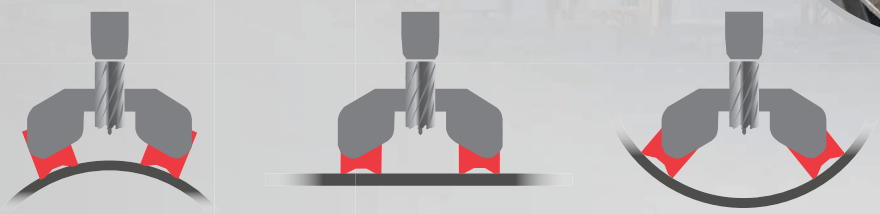


One of a kind

Unique design, unique usage

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

Meet the ECO-TUBE.30, the first of a new generation magnetic drilling machines specifically designed for drilling on curved material. By joining forces with Magswitch, technology leader in the field of shallow-field magnetism, we have been able to develop a concept that instantly addresses, and drastically improves work efficiency in the pipe industry. Not only will this magnetic drilling machine help you save time in setting up the tool. Its strong, powerful and sturdy design will also actively enable you to drill holes as fast as possible.



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

Safe

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

Light

Weighs a merely 18.7lbs

Strong

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

Easy to use

Automatically conform to any pipe $3^{1/8}$" or larger in diameter

Efficient

One tool for flat or round surfaces without the need for expensive adapters – save time and money. Powerful 8.2A motor. Cuts holes up to $1^{3/16}$" diameter, up to 2" deep

ECO-TUBE.30

PTIA 2016
AWARD WINNER

Intertek Intertek Intertek

See icon guide on page 02

1 3/16" 1/2" 1 3/8"

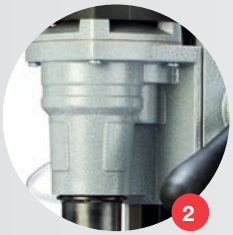
lbs 18.7 | 8.2 A | lbs 1173 | 3 9/16"

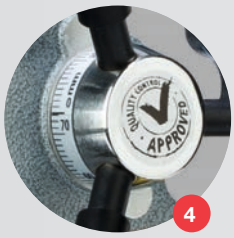
The ECO-TUBE.30 with patented shallow-field magnetic technology that offers incredibly strong grip, even on steel as thin as 1/8". Also, the patent-pending base automatically pivots to conform to any pipe Ø 3 1/8" or larger. The magnets do not require electricity, so all the power goes to the motor. This also offers increased safety as the tool will not release from the target material in the event of an unintentional power loss. With its 8.2 A power the ECO-TUBE.30 cuts holes between Ø 1/2" and 1 3/16" easily and quickly.

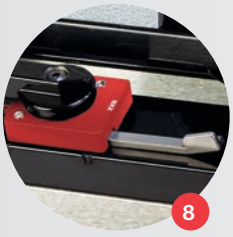
Features

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

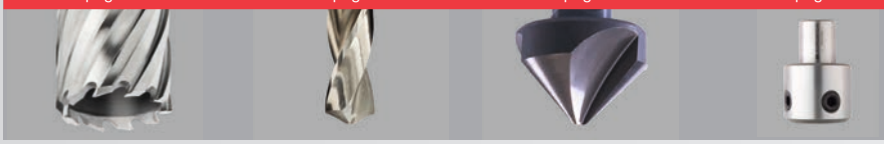
Technical data	
Annular cutters	Ø 7/16" - 1 3/16"
Twist drills	Ø 1/16" - 1/2"
Countersinking	Ø 1 3/8"
Length	10 1/16"
Width	6 11/16"
Height	11 9/16" - 15 1/16"
Stroke	3 9/16"
Weight	18.7 lbs
Magnet (l x w x h)	6 5/16" x 3 1/8" x 1 5/8"
Magnetic force	1173 lbs
Motor power	8.2 A
Total power	8.6 A
Speed (no load)	775 rpm
Speed (load 8.2 A)	400 rpm (8.2 A)
Spindle (Weldon)	3/4" Weldon
Voltage	110 V / 60 Hz
Also available in	220 V / 60 Hz







> Ø 1 3/16"	> Ø 1/2" (weldon)	> Ø 1 3/8"	accessories
see page: 73 - 79	see page: 84	see page: 84	see page: 61



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

ECO.35-F

See icon guide on page 02

1 3/8"	9/16"	1 9/16"
22 lbs	10 A	3300 lbs	2 3/8"

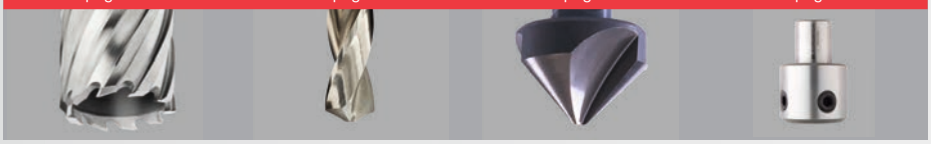
Very compact magnetic drilling machine, only 21 cm in height. Perfect for drilling in spaces with limited height such as H-beams, steel structures, plates, profiles, etc. The machine is equipped with LED light, a powerful magnet, overload protection and easy release/lock feed handle for both left and right operation.

Features

- **Very compact design**
- **Powerful magnet**
- **Equipped with LED light**
- **Easy release/lock feed handle, left/right operation**

Technical data	
Annular cutters	Ø 7/16" - 1 3/8"
Max. cutting depth	1 3/8"
Twist drills	Ø 1/4" - 9/16" Weldon
Countersinking	Ø 1 9/16"
Length	11 1/34"
Width	4"
Height	8 1/4"
Stroke	2 3/8"
Weight	22 lbs
Magnet (l x w x h)	6 1/2" x 3 1/8"
Magnetic force	3300 lbs
Motor power	10 A
Total power	10.4 A
Speed (no load)	650 rpm
Speed (load 10 A)	390 rpm
Spindle (Weldon)	3/4" Weldon
Voltage	110 V / 60 Hz
Also available in	220 V / 60 Hz

> Ø 1 3/8"	> Ø 9/16" (Weldon)	> Ø 1 9/16"	accessories
see page: 73 - 79	see page: 84	see page: 84	see page: 61



1 Left and right mount ability of feed handle
2 LED light for illuminated drilling
3 Carrying strap
4 Clear and easy controls

Hassle free

Cordless power EBM.360

Corded power tools are very practical for every day use, but only in as far the length of the power cord with extension reaches. On many occasions you just require a more flexible, practical and safe tool. With that in mind we started product development from scratch and engineered the versatile battery powered magnetic drilling machine that truly exceeds your demands: EBM.360.

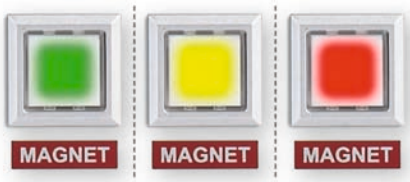
Power

EBM.360 is powered by a 37V 3.Ah Lithium-Ion battery pack, which offers the best mix of power, endurance, durability and charging time to drill as much holes as possible in the shortest amount of time.
The 4-pole 1300 Watt DC motor delivers a lot of power and torque, and is able to meet and exceed the performance of many 1600+ Watt conventional motors.

Easy

The illuminated push buttons provide acoustic and visual safety signals.

Using the EBM.360 is as easy as 1-2-3



The magnet switch embeds 3 LEDs that provide clear visual and acoustic information

The detachable ¾" Weldon spindle is held firmly into position and allows for internal cooling of your annular cutters.
The battery is equipped with effective charge indicators, and can be disconnected from the machine in one convenient grasp-press-pull motion.

Fast

Drilling holes with EBM.360 is easy and fast, and is able to save you a lot or processing time:

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

Ø 1/2" → 15 seconds
Ø 1" → 23 seconds
Ø 1 1/2" → 50 seconds

(Tested with Euroboor 30mm DoC HSS cutters)

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

The quick charger is specially designed for EBM.360 batteries and delivers 9A charging current. Smart indicators show you the super-fast charging progress.

Reliable

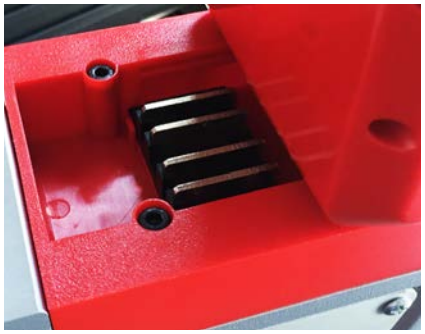
EBM.360 will always help you to drill holes with the same speed, due to the smart battery discharge control. The large battery capacity helps you to be highly productive.

Drilling capacity in mild steel with 10mm thickness:

Ø 1/2" → up to 126 holes
(up to 84 holes in 15mm)
Ø 1" → up to 60 holes
(up to 40 holes in 15mm)
Ø 1 1/2" → up to 30 holes
(up to 20 holes in 15mm)

(Tested with Euroboor 30mm DoC HSS cutters)

Large beryllium copper, nickel coated contact points make sure there is always maximum, un-interrupted conduction.



Beryllium contact points on the EBM.360

Safe

Safety is the first priority when working with power tools and EBM.360 offers this in all ways.
To start, there is no risk of accidents caused by power cables and the low machine weight makes it possible to carry and position easily. Furthermore, the strong electromagnet enables a lot of grip and it is only possible to operate the machine when the battery is locked firmly into place.
Above all, EBM.360 is equipped with a lot of electronic safety measures:

- Overheat motor protection
- Magnet sensor & motor integration: insufficient magnet force = no power to motor, also if magnet force falls away during operation
- Magnet over motor: when battery power drops below a specified minimum, the motor stops but plenty of charge is left to power the magnet: the user has a convenient time frame to switch off and reposition the machine.
- Battery discharge protection: battery charge cannot drop below a certain level, saving the technical capacity of the battery itself.

Ease of use

No other tool comes close to the possibilities EBM.360 offers. This machine is the ultimate choice for travelling service engineers, locations where decent power supply is not a matter of course, and workshops that are equipped to be highly flexible.

Flexibility of placement. You only need a solid metal surface

Characteristics EBM.360

Grip
- Keeps the machine balanced when being moved
- Solid

Feed handles
- High positioning for optimum operation and maximum stroke
- Depth indicator

Spindle and support bracket
- Solid spindle
- Self-lubricating bearing bush
- Integrated cooling ring

Panel
- Clear and simple control panel
- Easy to operate
- Acoustic and visual safety signal
- Illuminated (multicolour) LED's

Motor
- Powerful 4-pole motor
- Low noise
- Slow start function
- High torque
- Temperature protection

Electromagnet
- Integrated magnet sensor
- Special dual coil wrap technology

Battery
- Lithium-ion
- LED capacity indicator
- Protection: prevents charge from falling below certain level
- Rubber coating for improved grip
- Easy to replace
- 4 robust contact points made of beryllium copper with nickel coating for optimum conduction of current
- Contact point protection

EBM.360

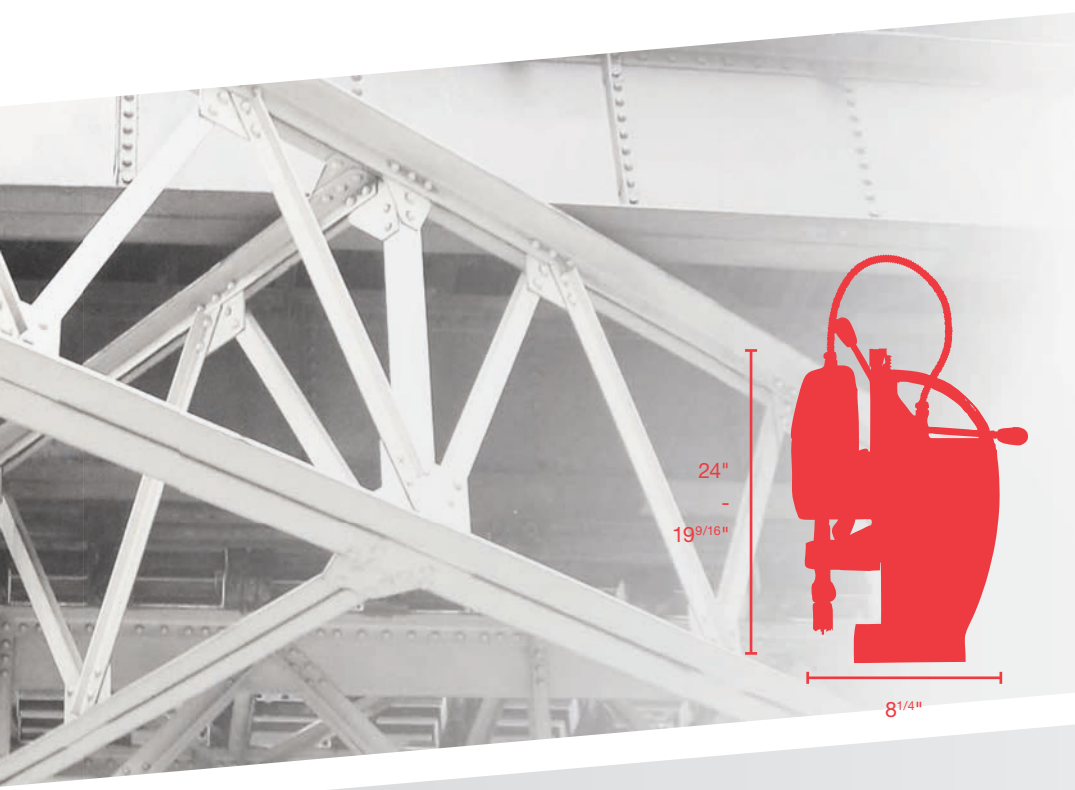
Intertek Intertek Intertek

See icon guide on page 02

1 1/2" | 1/2" | 1 9/16"

33 lbs | 35.1 A DC | 3750 lbs | 9 1/16"

Hardworking and smart. With battery life LED-indicators guaranteeing your safety. The unique EBM.360 rapidly slices through material up to 2" thick and is loaded with useful and award winning features. The powerful lineair motor is designed to squeeze every ounce of performance out of the strong Lithium-Ion power pack.



Features

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

Technical data	
Annular cutters	Ø 7/16" - 1 1/2"
Twist drills	Ø 1/16" - 1/2"
Countersinking	Ø 1 9/16"
Length	11 11/16"
Width	8 1/4"
Height	19 9/16" - 24"
Stroke	9 1/16"
Weight	33 lbs
Magnet (l 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
Speed (no load)	506 rpm
Speed (load 35.1 A DC)	375 rpm
Spindle (Weldon)	3/4" Weldon
Power source	37V Battery 7.6Ah li-ion

1


2


3


4

5

6


7


8


9

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

> Ø 1 1/2"
see page: 73 - 79

> Ø 1/2"
see page: 84

> Ø 1 9/16"
see page: 84

accessories
see page: 61

AIR.52/3

See icon guide on page 02

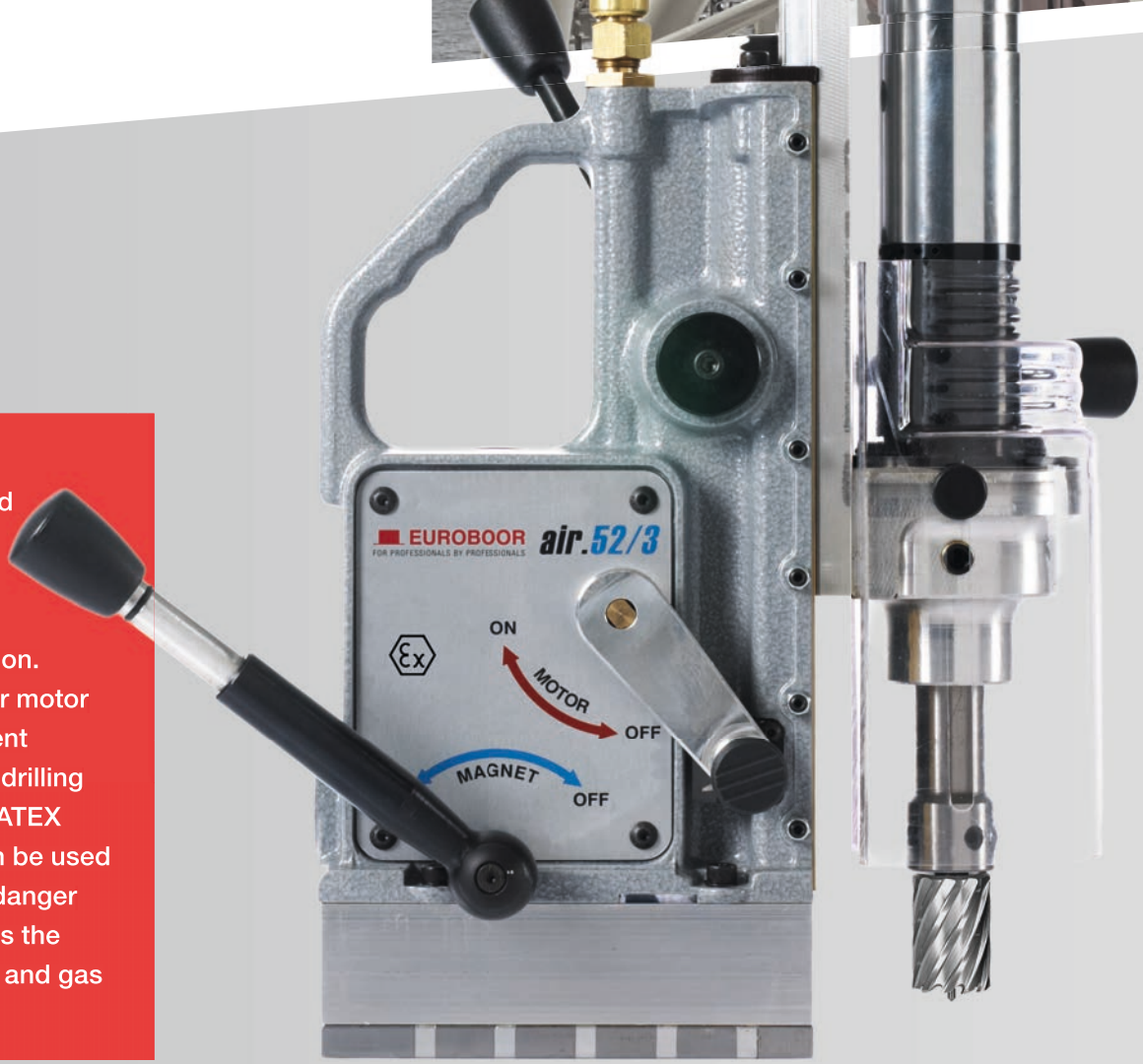
2 1/16" | 1/2" | 1 9/16"

28.7 lbs

min. 6.3bar (90 PSI)

2200 lbs

4 3/4"



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

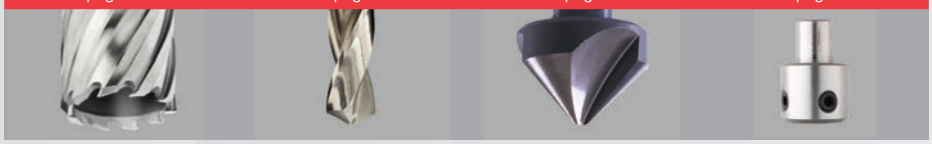
Features

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

Technical data	
Annular cutters	Ø 7/16" - 2 1/16"
Twist drills	Ø 1/16" - 1/2"
Countersinking	Ø 1 9/16"
Length	13 3/8"
Width	9 13/16"
Height	22 1/16"
Stroke	4 3/4"
Weight	28.7 lbs
Magnet (l x w)	8 11/16" x 2 15/16"
Magnetic force	2200 lbs
Speed (no load)	400 rpm
Spindle (Weldon)	3/4" Weldon
Power source	min. 6,3 bar (90 PSI) 0,9 m³/min (30cfm)

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

> Ø 2 1/16" see page: 73 - 79
> Ø 1/2" see page: 84
> Ø 1 9/16" see page: 84
accessories see page: 61



Accessories

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

Practical solutions for comfort at work

After more than 38 years of practical experience we dare to say we are familiar with most challenges that you may encounter. Euroboor accessories have been developed for direct practical solutions and comfort at work. Non-magnetic base, horizontal drilling, or lack of space, you can proceed undisrupted at all times.

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

Weldon setup overview

Absolute connection — Optional connection

Extention spindle
MC2.X2T265

Extension MT2
page 61

Adapter
IBK.MC3-MC2

Reduction MT3 → MT2
page 61

Extention spindle
MC3X3T265

Extension MT3
page 61

Adapter
IBK.MC4-MC3

Reduction MT4 → MT3
page 61

Arbor MT2 auto-coolant
IMC.20

Arbor MT2 Quickconnect
IMC.2Q

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

Arbor MT3 Quickconnect
IMC.3Q

Arbor MT3 auto-coolant
IMC.30/32-N

Arbor MT2 3/4" Weldon
page 62

Arbor MT3 3/4" Weldon

Arbor MT3 / MT4 1 1/4" Weldon

Extension
page 61

3/4" Weldon extention bits
IBK.25
IBK.50
IBK.75
IBK.100

Reduction to 3/4" Weldon
page 61

Adapter 1 1/4" to 3/4"
IBK.3219

Annular cutters
- DIA 7/16" - 2 5/16"
- DoC 1 3/16" - 8"

start page 72

Weldon twistdrills
- DIA 1/4" - 9/16"
- DoC 1 3/16" - 2 3/16"

page 84

Countersink
- up to 2" DIA

page 84

Tapping tools

Annular cutters
- DIA 2 3/8" - 8"
- DoC 1 3/16" - 8"

start page 72

1/2UNF-MC2
1/2UNF-MC3
Drill chuck connection
page 63

1/2" x 20 UNF
IBK.15
Adapter spindle
page 62

Arbor MT2 auto-coolant
IMC.20
▶ Arbor MT2 Quickconnect
IMC.2Q
Arbor MT2
page 62

Arbor MT3 auto-coolant
IMC.30/19-N
▶ Arbor MT3 Quickconnect
IMC.3Q
Arbor MT3

B16-MC2
B16-MC3
Drill chuck connection
page 63

Connection 3/4" Weldon
page 61

Adapter 3/4" Weldon to 1/2"x 20 UNF
IBK.14

Adapter 3/4" Weldon to B16
IBK.16-14

IBK.13
Drill chuck B13
page 63

Quick connect
IBK.13Q

Quick connect with lock
IBQ.13

IBK.13-B16
Drill chuck B16

IBK.16

Quick connect
IBQ.16

Twist drills

Step drills
page 84

Tapping

Adapters

Pipe Adapter kit

- Suitable for tubing diameter of 1 5/16" up to 21 5/8"
- Suitable for all Euroboor drilling machines (except ECO.35-F ECO.200 & ECO-TUBE series)
- Suitable for almost all drilling machines in the market (for universal use)

Sizing PAK.250
Lenght: 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

VAC.810 110V

Vacuum Adapter kit oval
(clamp system with 2 suction pads) including pump

VAC.820 110V

Extensions

Adapter weldon 1"
(external) 3/4" Weldon (internal) extension 1", ø $11^{13/16"}$, for ø 6,35 mm / 1/4" pilot pins
IBK.25

Adapter weldon 2"
(external) 3/4" Weldon (internal) extension 2", ø $11^{13/16"}$, for ø 6,35 mm / 1/4" pilot pins
IBK.50

Adapter weldon 3"
(external) 3/4" Weldon (internal) extension $2^{15/16"}$, ø $11^{13/16"}$, for ø 6,35 mm / 1/4" pilot pins
IBK.75

Adapter weldon 4"
(external) 3/4" Weldon ((internal) extension $3^{15/16"}$, ø $11^{13/16"}$, for ø 6,35 mm / 1/4" pilot pins
IBK.100

Connection

Adapter Nitto One Touch
3/4" Weldon internal
IBK.NIT

Adapter Fein Quick IN
3/4" Weldon internal
IBK.QFN

Adapter 3/4" Weldon
(external) - 1/2" x 20 UNF (external)
IBK.14

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

Reduction ring from $1^{1/4"}$ Weldon shank to 3/4" Weldon shank
IBK.3219

MT 2 - $3^{9/16"}$ extension
Adapter for extra stroke (90 mm)
MC.2x2T265

MT 3 - $9^{13/16"}$ extension
Adapter type 268 (250mm)
MC.3x3T268

MT 3 - $4^{3/4"}$ extension
Adapter for extra stroke (121 mm)
MC.3x3T265

MT 3 - $17^{3/4"}$ extension
Adapter type 268 (450mm)
MC.3x3T268/2

Morse Taper reduction

Morse reduction
MT3 (machine) to MT2 (tool holder)
IBK.MC3-MC2

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

Arbor

MC.2 / MC.3

Auto Arbor IMC.2Q / IMC.3Q

MC.3/32

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

Arbor MT2 - 3/4" Weldon
for cutters ø 1/2"-2$^{3/8}$"
MC.2

Arbor MT2 - 3/4" Weldon
including lubrication ring for KSP.Q
IMC.20

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

Arbor MT3 - 3/4" Weldon
for cutters ø 1/2" - 2$^{3/8}$"
MC.3

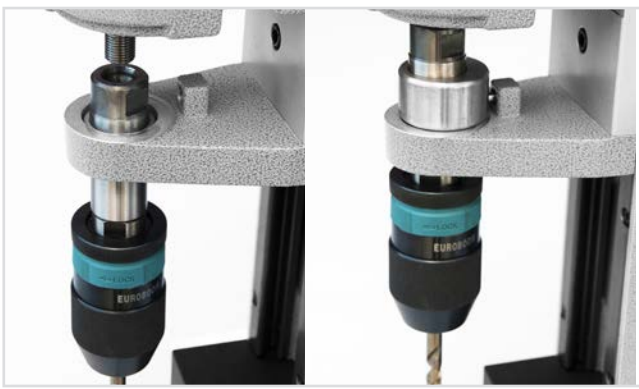
Arbor MT3 - 3/4" Weldon
including lubrication ring for KSP.Q
IMC.30/19-N

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

Arbor MT3 - 1-1/4" Weldon
for cutters ø 2$^{3/8}$" - 3$^{15/16}$"
MC.3/32

Arbor MT3 - 1-1/4" Weldon
including lubrication ring for KSP.Q
IMC.30/32-N

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



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

Benefit:
Increases the stroke

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

Drill chuck connection

Morse Taper 2 - B16
spindle connection
B16-MC2

Morse Taper 3 - B16
spindle connection
B16-MC3

Morse Taper 2
Adapter 1/2" x 20 UNF
1/2UNF-MC2

Morse Taper 3
Adapter 1/2" x 20 UNF
1/2UNF-MC3

Morse Taper 2 - B18
spindle connection
B18-MC2

Morse Taper 3 - B18
spindle connection
B18-MC3

Twist drill chuck

Drill chuck
ø 1/16" - 1/2", 1/2" x 20 UNF (inner)
IBK.13

Keyless drill chuck
ø 1/16" - 1/2", 1/2" x 20 UNF (inner)
IBK.13Q

Drill chuck
ø 1/16" - 1/2", with B16 connection
- Available with inner taper

IBK.13-B16

Drill chuck
ø 1,5 - 5/8", with B16 connection
- Available with inner taper

IBK.16

Drill chuck Quick change
ø 1/16" - 1/2", 1/2" x 20 UNF
IBQ.13

Drill chuck Quick change
ø 1/16" - 5/8", 1/2" x 20 UNF
IBQ.16

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

Cutting lubricants

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

Higher quality workpiece finishing

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

Lubrication
To let things run smoothly, you need to lubricate them. For cutting tools and is particular annular cutters, twist drills and machine taps this is just the same. A suitable lubricant will reduce friction greatly. The tool will set itself much better, and will generate less vibrations. The smoother operation means less power needs to be put into the job, the finished result will be more precise and operation time can be reduced by up to 30%.

Cooling
Processing metals can, as generally know, produce a lot of heat. Overheating can have serious negative effects on the behaviour of the workpiece and tool, and thus the overall performance. The result is generally an increased processing time, but not being able to complete the job might even be possible as well. Inappropriate cooling can also lead to specific issues, such as unreliable slug ejection when working with annular cutters.

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

Durability
Making sure a cutting tool is able to perform smoothly and constantly by proper cooling and lubrication will increase its functional life significantly. Taking annular cutting as example, both the drilling machine and cutter will benefit from the drastically reduced stress. Depending on circumstances, an annular cutter can last up to 5 times longer when properly taken care of during operation!

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

Minimized tool wear and replacement

Reduced processing time & lower operation cost

Using appropiate cutting lubricants adds value to your business operation

Material application ● Optimal ○ Good ○ Possible

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

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

* Inconnell, Nimonic, Hardox, Hastelloy

Cutting oil, spray and paste

General usage

IBO.10

Mild steel lubricating cooling and cutting oil

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

IBO.1001 (33,8 oz)

IBO.1050 (169 oz)

MV.4

Lubricating cooling concentrate for all metals

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

MV.4001 (33,8 oz)

MV.4050 (169 oz)

Specialized use

IBO.20

Inox, chromium, nickel lubricating cooling and cutting oil

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

IBO.2001 (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 aluminium, copper and zinc. Highly effective in preventing discoloration and deformation of the workpiece and enhancing drilling and cutting 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 keeping your tools sharp.

IBO.6001 (33,8 oz)

IBO.6050 (169 oz)

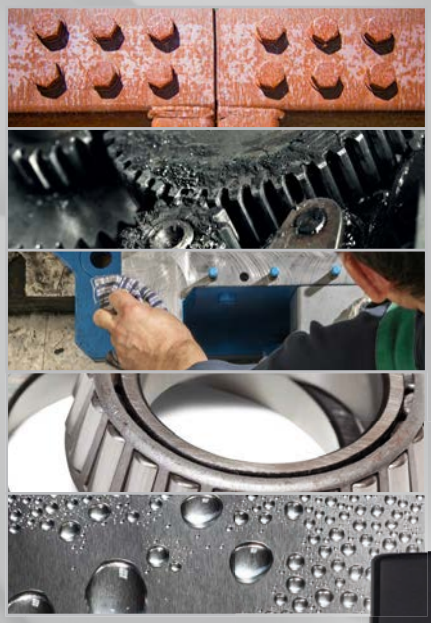
IBO-P.911
Mild steel lubricating cooling and cutting oil spray
Premium metal processing cooling and lubrication in spray can form, suitable for use on mild steel.
Highly versatile in use and ideal for tool preparation.
IBO-P.911.500 (16,9 0z)

IBO.30
All metals lubricating cooling and cutting oil spray
Versatile spray with high cooling and evaporation properties. Ideal for the (after) cooling of all workpieces and tools. The minimal harmful contents and minimal greasy residue facilitate further proceedings with the workpiece.
IBO.30 (16,9 oz)

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

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

Multifunctional spray oil



Operational use:
- Rust removing
- Lubricates
- Contact improving
- Cleaning
- Corrosion protective
- Moisture repellent

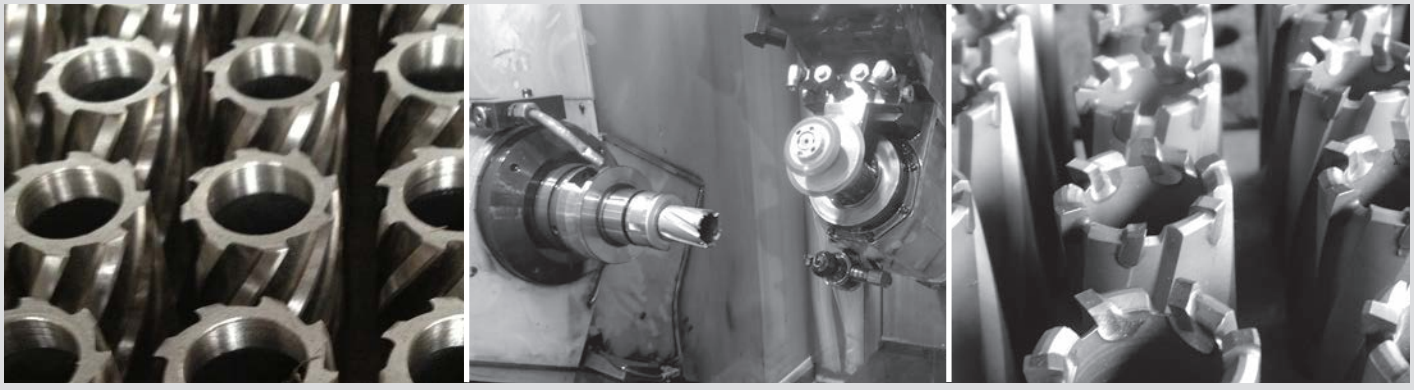
IBO.40
Universal problem solving and preventing spray, suitable for the maintenance of tools and other moving parts. Also suitable as protector of electronics. Does not contain silicones, water or graphite.
IBO.40 (13,5 oz)

Euroboor Annular Cutters The No.1 Choice

HSS, HSS-Co and TCT

▼ TCT cutter 8" DIA (1:1)

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



Euroboor Annular Cutter

Geometry

Altering cutting teeth angles for precise and clear cuts

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

TCT has up to three different teeth

HSS(Co) has up to two different teeth

Did you know?

- With the **right lubrication** you get longer tool life
- 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
- Putting high pressure on handle when drilling
- Euroboor cutters have an extra landing on the outside and therefor cut more accurate and have less friction
- Euroboor cutters have grounded inside conical taper which offers expansion room to slug
- Metric sizes, specific sizing and shank variations can be supplied on request.

8x8

Annular Cutters
Unique sizing

Nitto/Weldon shank

Shank

Euroboor annular cutters are standard equipped with high precision Weldon shanks. Depending on the cutter size and specification, 3/4" (19,05 mm) and 1-1/4" (Weldon) shanks are offered. Additionally we also offer tools with double shank design. These annular cutters have an increased practical application, as they are suitable for use on machinery requiring Weldon fitment and machinery with Nitto fitment.

Euroboor annular cutter international program

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

Metric sizes and non-mentioned variations are available on request. Lead times may apply.

Material application ● Optimal ○ Good ○ Possible

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

** Inconnell, Nimonic, Hardox, Hastelloy

High Speed Steel

HSS

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

HSS-Co

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

Tungsten Carbide Tipped

TCT

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

Annular cutter

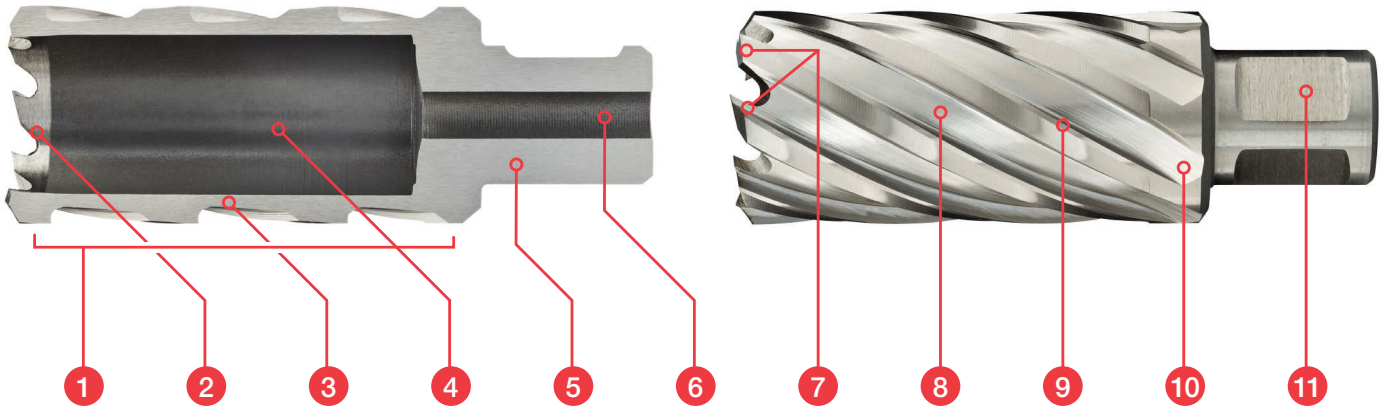
High Speed Steel

HSS Annular Cutters, with unique geometry type and random-space tips, provide clearly cutting, fast feed rate, less vibration, smooth hole surface and long tool life, highly effective for drilling. They are better and quicker than twist drills. HSS Annular Cutters can be used on all kinds of magnetic drilling machines. They can be widely used in drilling steel, copper, aluminum, stainless steel and plastic, in either plate or pipe form. The HSS Annular Cutters have gained huge popularity in the market. The entire range is available in various specifications that can be customized as per clients' requirements.

HSS material application ● Optimal ○ Good ○ Possible

Plastics GRP/CRP	Brass, Copper, Tin	Grey cast iron	Steel					Stainless steel		Aluminium		Exotic materials, Inconnell, Nimonic, Hardox, Hastelloy	Rails
			< 500N	< 750N	< 900N	< 1100N	< 1400N	< 900N	> 900N	< 10% Si	> 10% Si		
●	○		●	●	○					○			

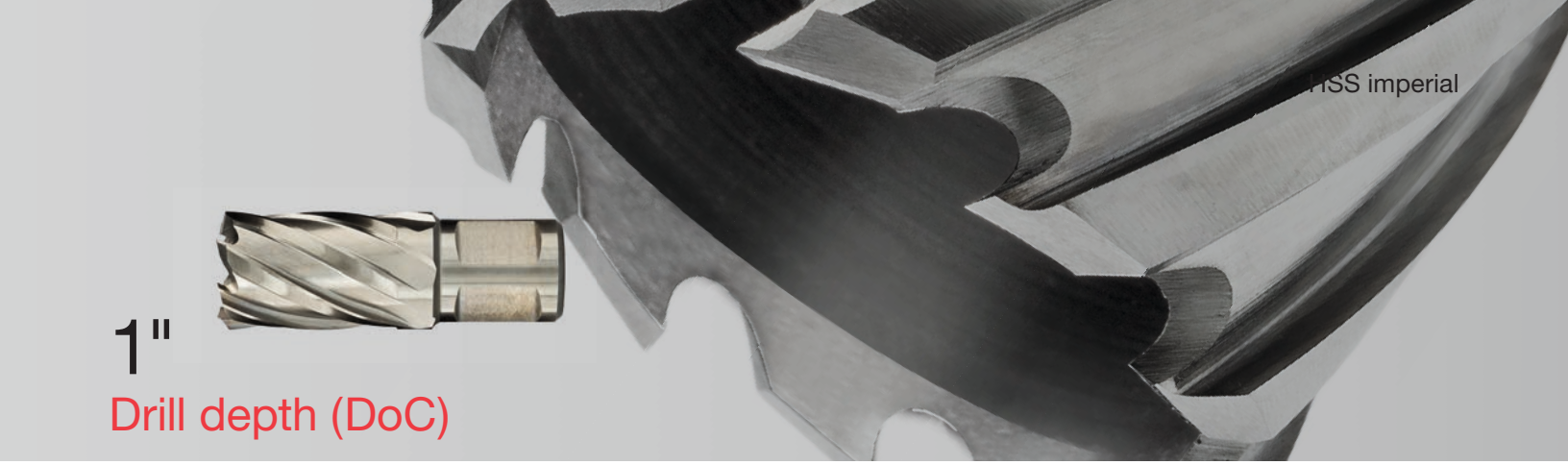
HSS profile



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

Properties

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



1"
Drill depth (DoC)

HSS imperial

DoC 1 3/8" (30 mm) Ø 7/16" - 3"

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

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

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

INCH	Weldon
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

Shank	HCS
3/4"	7/16" - 2"

Best use with pilot pin

- Ø 7/16" - 2 5/16" (1" Doc)

IBC.70 (6,35 x 77mm)

Euroboor pilot pins features:

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

HSS annular cutter kit up to 1"

Imperial

DoC 1 3/8"

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

HCS.KIT/8

2"

Drill depth (DoC)

HSS imperial

DoC 2 3/16" (55 mm) Ø 7/16" - 4"

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

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

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

INCH	Weldon
Ø 2 7/8"	HCL.2-7/8"
Ø 2 15/16"	HCL.2-15/16"
Ø 3"	HCL.3"
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
35/8"	HCL.3-5/8

INCH	Weldon
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

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

Best use with pilot pin

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

Euroboor pilot pins features:

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

HSS annular cutter kit up to 2"

Imperial

DoC 1 3/8" / 2 3/16"

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

HCS.KIT/9

Annular cutter

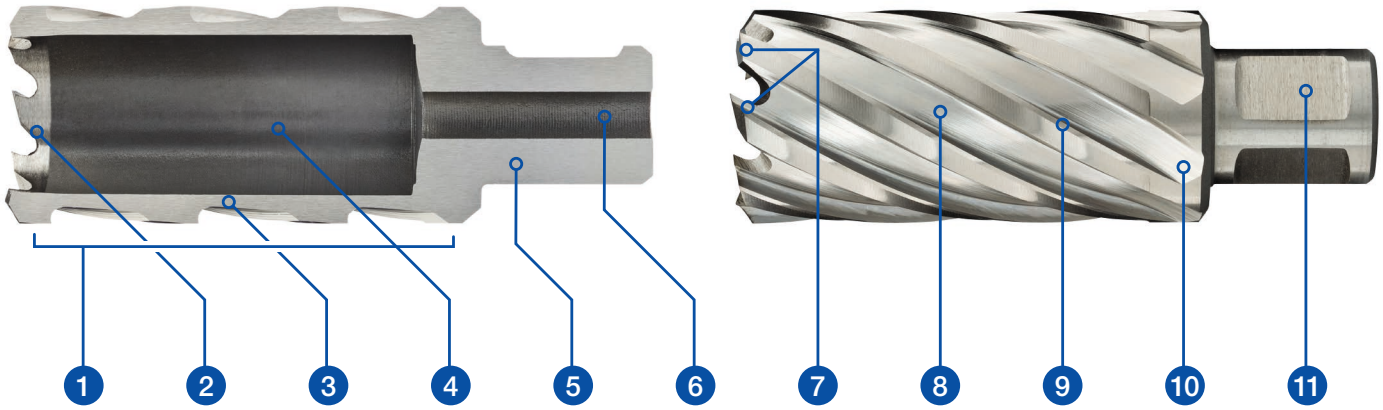
High Speed Steel Cobalt

Euroboor HSS-Co Annular Cutters are made of Molybdenum-Chromium-Vanadium-Tungsten alloy High Speed Steel with an additional 5% Cobalt (M35). The HSS-Co Annular Cutter is specifically designed to remain cool when cutting holes. All flutes are fully ground, resulting in super-fast feed rates and smooth holes in hard materials, providing better chip clearance and higher cutting performances. The M35 HSS-Co Annular Cutter is widely used in the metalworking industry for its superior red hardness compared to more conventional high speed steels. This will lead to shorter cycle times in production environments due to higher cutting speeds.

HSS-Co material application ● Optimal ○ Good ○ Possible

Plastics GRP/CRP	Brass, Copper, Tin	Grey cast iron	Steel					Stainless steel		Aluminium		Exotic materials, Inconnell, Nimonic, Hardox, Hastelloy	Rails
			< 500N	< 750N	< 900N	< 1100N	< 1400N	< 900N	> 900N	< 10% Si	> 10% Si		
●	●	○	●	●	●	○	○	○	○	●	○	○	

HSS-Co profile



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

Properties

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

1"

Drill depth (DoC)

HSS-Co 5% imperial

DoC $1^{3/16}$" (30 mm) Ø 7/16" - $1^{5/8}$"

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

INCH	Weldon
Ø 13/16"	JBS.13/16"
Ø 7/8"	JBS.7/8"
Ø 15/16"	JBS.15/16"
Ø 1"	JBS.1"
Ø $1^{1/16}$"	JBS.1-1/16"
Ø $1^{1/8}$"	JBS.1-1/8"

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

INCH	Weldon
Ø $1^{9/16}$"	JBS.1-9/16"
Ø $1^{5/8}$"	JBS.1-5/8"

Shank	JBS
3/4"	7/16" - $1^{5/8}$"

2"

Drill depth (DoC)

HSS-Co 5% imperial

DoC 2" (55 mm) Ø 7/16" - $1^{5/8}$"

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

INCH	Weldon
Ø 13/16"	JBL.13/16"
Ø 7/8"	JBL.7/8"
Ø 15/16"	JBL.15/16"
Ø 1"	JBL.1"
Ø $1^{1/16}$"	JBL.1-1/16"
Ø $1^{1/8}$"	JBL.1-1/8"

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

INCH	Weldon
Ø $1^{9/16}$"	JBL.1-9/16"
Ø $1^{5/8}$"	JBL.1-5/8"

Shank	JBL
3/4"	7/16" - $1^{5/8}$"

Best use with pilot pin

- Ø 7/16" - $1^{5/8}$" (1" Doc)
  IBC.70 (6,34 x 77mm)
- Ø 7/16" - $1^{5/8}$" (2" Doc)
  IBC.90 (6,35 x 102mm)

Euroboor pilot pins features:

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

Annular cutter

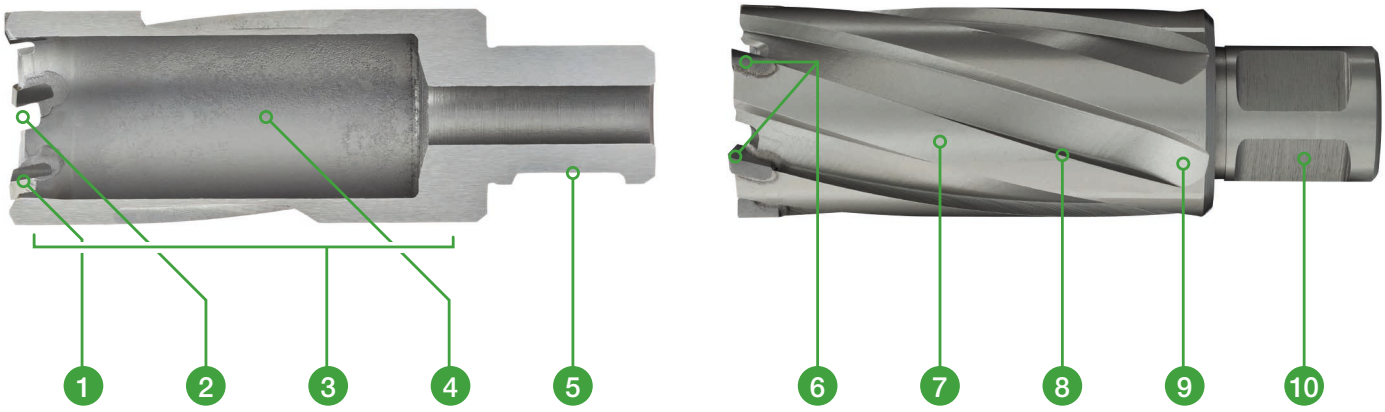
Tungsten Carbide Tipped

Euroboor Tungsten Carbide Tipped (**SANDVIK**) Annular Cutters are equipped with a spiral flute which creates optimum chip removal and seizure is virtually impossible. These annular cutters are used e.g. in hardened materials such as HARDOX steel, stainless steels and high tensile strength such as railway tracks. The Tungsten Carbide Tipped teeth of the cutter can be sharpened or replaced. Because of the above composition, and when used in a proper way, these cutters are less susceptible to breakage than standard High Speed Steel Cutters, especially in larger diameters and lengths.

TCT material application ● Optimal ○ Good ○ Possible

Plastics GRP/CRP	Brass, Copper, Tin	Grey cast iron	Steel					Stainless steel		Aluminium		Exotic materials, Inconnell, Nimonic, Hardox, Hastelloy	Rails
			< 500N	< 750N	< 900N	< 1100N	< 1400N	< 900N	> 900N	< 10% Si	> 10% Si		
	○	●	●	●	●	●	●	●	●	●	●	●	○

TCT profile



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

Properties

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

1"

Drill depth (DoC)

TCT imperial

DoC 1 3/8" (35 mm) Ø 7/16" - 3"

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

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

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

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

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

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

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

2"

Drill depth (DoC)

TCT imperial

DoC 2 3/16" (55 mm) Ø 7/16" - 8"

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

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

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

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

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

The table continues on the next page

2"

Drill depth (DoC)

Continuation previous paige

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

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

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

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

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

Best use with pilot pin

- Ø 7/16" - 11/16" (1" Doc)
  IBC.75 (6,34 x 87mm)
- Ø 3/4" - 3" (1" Doc)
  IBC.85 (8,00 x 90mm)
- Ø 7/16" - 11/16" (2" Doc)
  IBC.90 (6,35 x 102mm)
- Ø 3/4" - 2 3/8" (2" Doc)
  IBC.80 (8,00 x 103mm)
- Ø 2 7/16" - 4 15/16" (2" Doc)
  IBC.100 (8,00 x 123mm)

Euroboor pilot pins features:

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

3"
Drill depth (DoC)

TCT imperial

DoC 3" (75 mm) Ø 7/16" - 3"

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

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

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

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

Shank	HMY
3/4"	7/16" - 2"

4"
Drill depth (DoC)

TCT imperial

DoC 4" (100 mm) Ø 7/16" - 4"

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

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

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

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

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

INCH	Weldon
Ø 4"	HMX.4"

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

Best use with pilot pin

- Ø 7/16" - 2" (3" DoC)

IBC.100 (8,00 x 123mm)

- Ø 7/16" - 4" (4" DoC)

IBC.140 (8,00 x 150mm)

Euroboor pilot pins features:

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

6"
Drill depth (DoC)

TCT imperial

DoC 6" (150 mm) Ø 7/8" - 2"

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

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

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

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

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

8"
Drill depth (DoC)

TCT imperial

DoC 8" (200 mm) Ø 7/8" - 2"

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

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

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

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

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

Best use with pilot pin

- Ø 7/8" - 2" (6" DoC)

IBC.160 (8,00 x 201mm)

- Ø 7/8" - 2" (8" DoC)

IBC.150 (8,00 x 252mm)

Euroboor pilot pins features:

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

Pilot pins

Pilot pin range

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

Code	Lenght pin	Diameter pin
IBC.140	5 15/16" (150mm)	5/16" (8 mm)
IBC.150	9 15/16" (252mm)	5/16" (8 mm)
IBC.160	7 15/16" (201mm	5/16" (8 mm)
IBC.K25	4 15/16" (125mm)	1/4" (6,35 mm)
IBC.K50	6 1/8" (155mm)	1/4" (6,35 mm)
IBC.K75	7" (177mm)	1/4" (6,35 mm)
IBC.K100	8" (204mm)	1/4" (6,35 mm)
IBC.157*	6 3/16" (157mm)	5/16" (8 mm)

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

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

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

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

***Extended pilot pin**

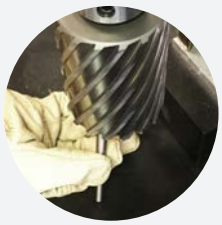
Specifically for use with long cutters and drilling in very thick workpieces. Makes it possible to continue drilling with pilot pin without mid-process hassle. Suitable for use with 3" and 4" long cutters

- Total length 6 3/16" (157 mm)
- Shortened length 3 15/16" (100 mm)

IBC.157

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

Start drilling. Stop at approx. 50mm depth.



Remove top part of the pilot pin.

Commence drilling until plug ejection

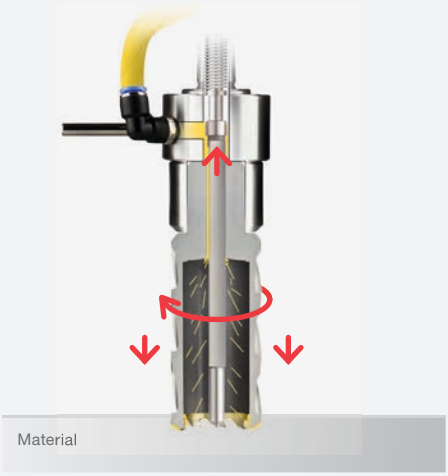
Pilot pin features and benefits

Precise positioning

- Utilizing a perfect fit, the Euroboor pilot pin is your guidance to center the cutter

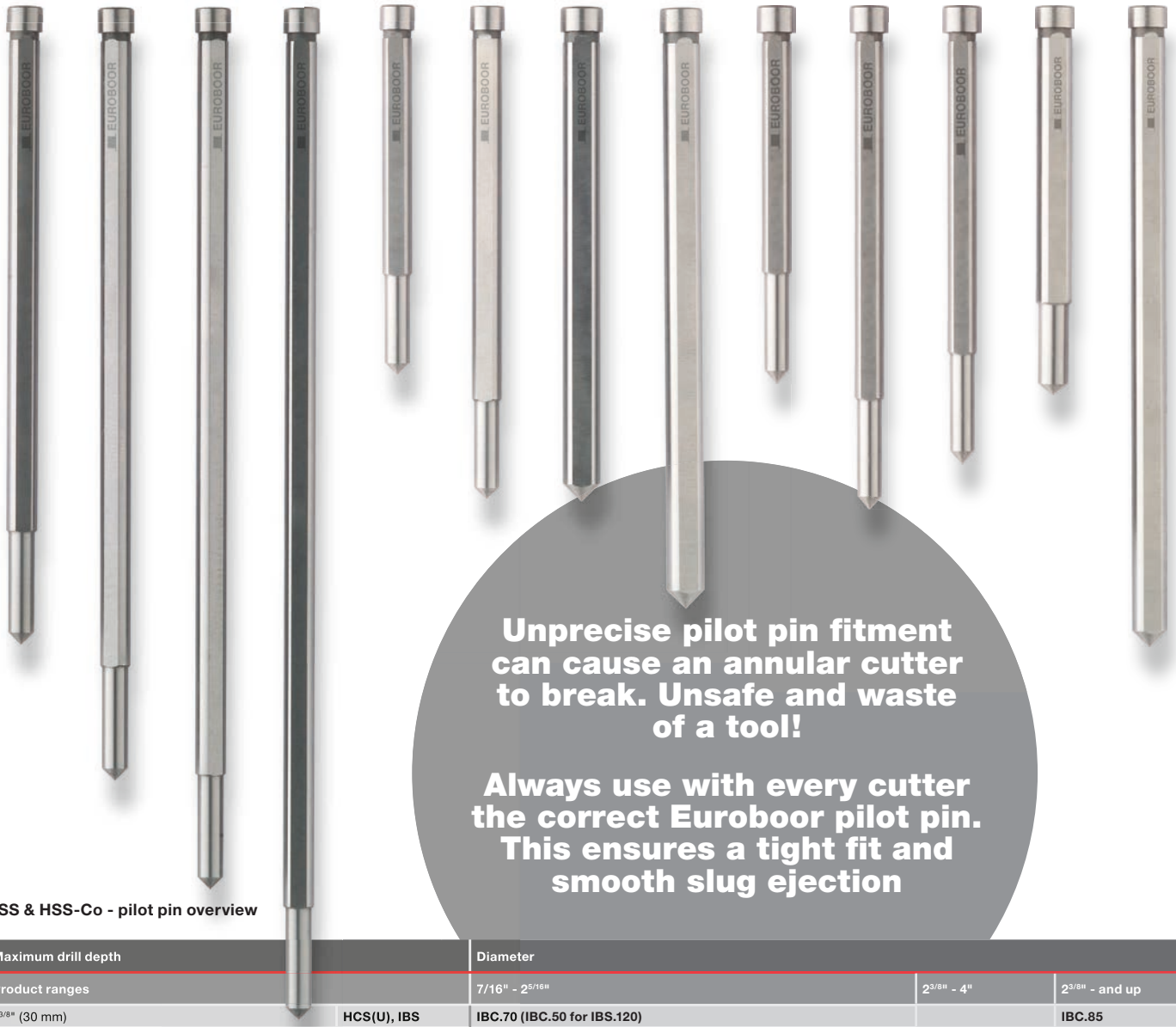
Locks off oil flow

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



Ejects plug

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



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

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

HSS & HSS-Co - pilot pin overview

Maximum drill depth		Diameter		
Product ranges		**7/16" - 2 5/16"**	**2 3/8" - 4"**	**2 3/8" - and up**
1 3/8" (30 mm)	**HCS(U), IBS**	**IBC.70 (IBC.50 for IBS.120)**		**IBC.85**
2 3/16" (55 mm)	**HCL(U), IBL**	**IBC.90 (IBC.60 for IBL.120)**		**IBC.100**
combined with 1" extension adapter (IBK.25)		**IBC.K25***		
combined with 2" extension adapter (IBK.50)		**IBC.K50***		
combined with 3" extension adapter (IBK.75)		**IBC.K75***		
combined with 4" extension adapter (IBK.100)		**IBC.K100***		
combined with Nitto or Fein adapter (IBK.NIT/IBK.QFN)		**IBC.K25***		
3" (75 mm)	**HCY**	**IBC.K25**		
4" (100 mm)	**HCX**	**IBC.K50**	**IBC.130**	
		Pin Ø 1/4" (6,35 mm)	Pin Ø 5/16" (8 mm)	

* Excl. IBL.120

TCT & TCT Rail - pilot pin overview

Maximum drill depth		Diameter			
Product ranges		**7/16" - 11/16"**	**3/4" - 2"**	**3/4" - 2 5/16"**	**2 3/8" - and up**
1 3/8" (35 mm)	**HMS(U), TRCS**	**IBC.75**	**IBC.85**		
combined with Nitto or Fein adapter (IBK.NIT/IBK.QFN)		**IBC.120**			
2 3/16" (55 mm)	**HML(U)**	**IBC.90**		**IBC.80**	**IBC.100**
combined with Nitto or Fein adapter (IBK.NIT/IBK.QFN)		**IBC.110**			
3" (75 mm)	**HMY**		for all diameters **IBC.100**		
4" (100 mm)	**HMX**		for all diameters **IBC.140** or **IBC.157**		
6" (150 mm)	**HMW**		for all diameters **IBC.160**		
8" (200 mm)	**HMV**		for all diameters **IBC.150**		
		Pin Ø 1/4" (6,35 mm)	Pin Ø 5/16" (8 mm)		

Weldon twist drill

HSS, 3/4" (19,05 mm) Weldon shank.
Available in 1" and 2" length

DoC 1" (30 mm)
Ø 1/4" - 9/16"

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

DoC 2" (55mm)
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"

MM	Code
Ø 3/8" - 1"	SCE.25
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

After drilling aid

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

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

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

MAGICSTICK


Extreme projects? We know the drill

Re-sharpening machine ERM.100/3

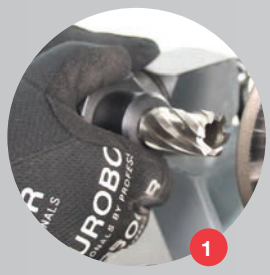
See icon guide on page 02

lbs		min
62	1.2 A	2800

The ERM 100/3 re-sharpening machine sharpens High Speed Steel and TCT Annular Cutters in the most flexible manner. The robust construction and specific design enable easy operation sharpening cutters with maximum precision. Laser alignment for fast precise setup.

Features

- **Will re-sharpen cutters from ø 1/2" - $3^{15/16}$" diameter in cutting depths of 1" - $3^{15/16}$".**
- **Lightweight and portable - ideal for on-site work, or a small workshop.**
- **Easy angle adjustment - simple alignment to original angle geometry.**
- **Laser guided cutter alignment - ensures correct positioning of cutting edge to the wheel.**



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

Technical data	
Dimensions (lxwxh)	$18^{7/8}$" x $11^{13/16}$" x $12^{5/8}$"
Weight	62 lbs
Motor power	14.5 A
Noise emission	< 70 dBa
Grinding disk	Ø $4^{15/16}$"
Wheel bore	3/8"
Shaft bore	3/4" mm Weldon $1^{1/4}$" mm Weldon
Speed (no load)	2800 rpm
Voltage	110 V / 60 Hz

Standard supply

CBN grinding wheel
ERM3.0001

Index plate T6 & T7
ERM3.0006

Index plate T4/T8 & T5/T10
ERM3.0007

Index plate T9
ERM3.0008

Optionally available

SDC grinding wheel
ERM3.0002

Cutter holder 1¼" Weldon
ERM3.0003

CBN grinding wheel (suitable for stretched surfaces)
ERM3.0011

Air grinders
ADG.2A & ADG.2S

See icon guide on page 02

lbs **0,53**

min 6.3bar (90 PSI)

min **20.000**

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

Features

- Excellent for grinding, polishing, deburring and smoothing sharp edges
- Adjustable rear speed regulator in 4 positions
- 360 degree adjustable exhaust deflector
- Safety lever trigger, prevents accidental starts

Technical data	ADG.2A	ADG.2S
Weight	1.16 lbs	1.47 lbs
Free speed	20.000 rpm	
Regulator	4 steps	
Capacity	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	$2^{3/4}$"	

Angle air grinder

ADG.2A

Angle air grinder in practical carrying case

ADG.2A-CASE

Straight air grinder

ADG.2S

Angle air grinder in practical carrying case

ADG.2S-CASE

Bandsaw 5"
EBS.500

See icon guide on page 02

lbs
20

9.2 A

min
30-80m

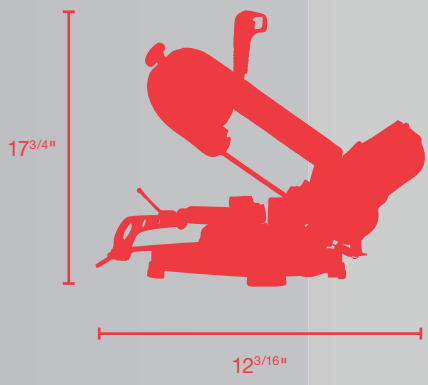
Ø
5"
max

0-60°

Designed for sawing all kinds of metal tubes, pipes and profiles up to 5" wide. The simple adjustment of vice, cutting angle and sawing speed make this a very practical metal sawing machine for every workshop.

Features

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



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

Technical data		
Dimensions (lxwxh)	25 9/16" x 12 3/16" x 17 3/4"	
Weight	44 lbs	
Motor power	9.2 A, input	
Cutting speed	adjustable, 98 - 262 ft/min.	
Cutting angle	adjustable, 0° - 60°	
Cutting capacity: at 0°	○	5"
	□	5 1/8" x 5"
at 45°	○	3"
	□	3" x 3"
at 60°	○	2 3/16"
	□	2" x 2"
Saw band	1/2" x 0.03" x 56 11/16", 10-14 tpi 15/8" 10% Co	
Voltage	110 V / 60 Hz	

Dry cut-off saw 14"
EDC.140

See icon guide on page 02

lbs
24

20 A

min
1300

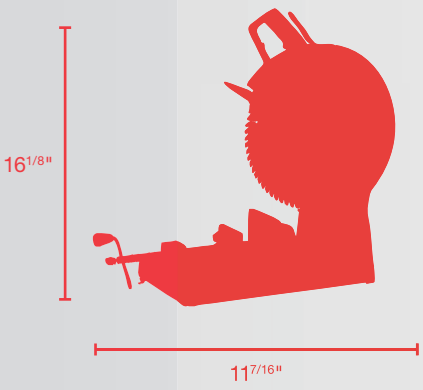
Ø
4 1/8" max

0-45°

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

Features

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



Cutting capacity is omgedraaid in de catalogus

0 graden info is eigelijk 45 graden

Technical data	
Dimensions (lxwxh)	21 1/4" x 11 7/16" x 16 1/8"
Weight	53 lbs
Motor power	20 A
Cutting speed	1300 rpm
Cutting angle	adjustable, 0° - 45°
Cutting capacity at 0°	○ 4 1/8"
	□ 3 9/16" x 3 9/16" (4 5/16")
Cutting capacity at 45°	○ 5 1/8"
	□ 4 3/4" x 4 3/4" (7 1/4")
Max. Ø saw blade	14"
Voltage	110 V / 60 Hz

Circular cut-off saw 9"
EHC.230/3

See icon guide on page 02

lbs
9,7

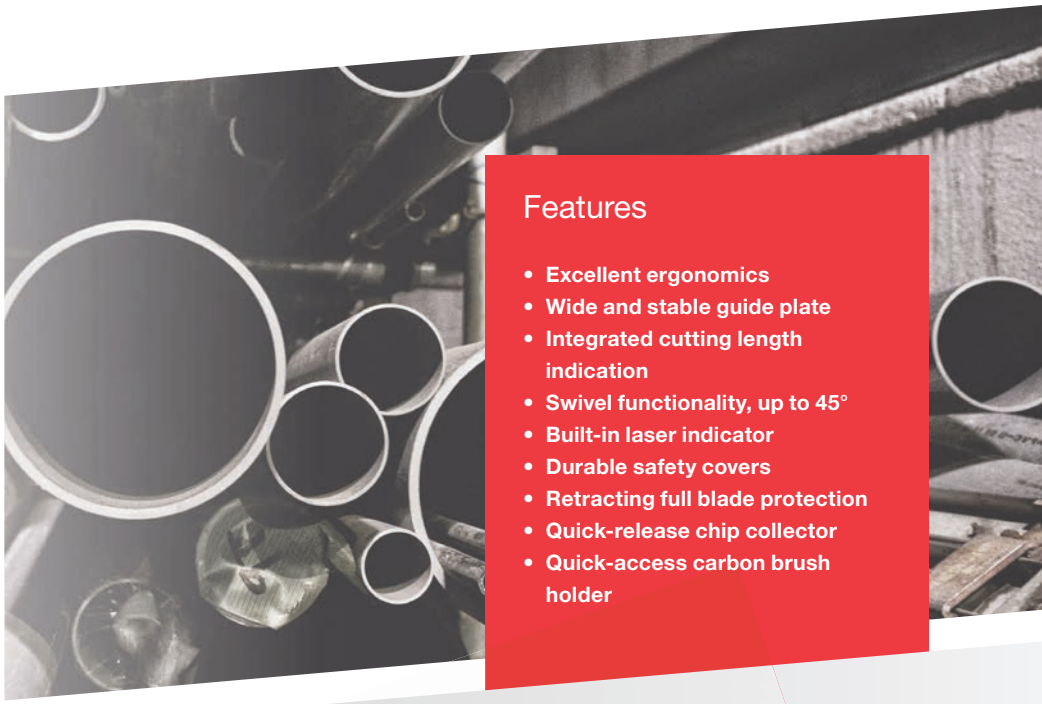
16.3 A

min
2300

Ø
3 1/4" max

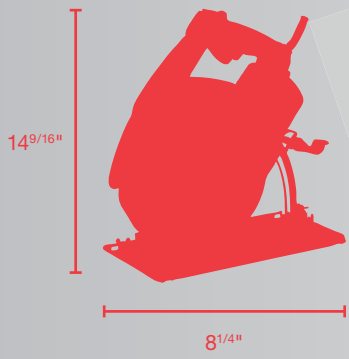
0-45°

Practical and powerful 9" hand saw specifically designed for everything metal. It features a laser guide, chip collector and a sturdy guide plate. The powerful motor, strong gearing and sublime ergonomics ensure swift and precise cutting.



Features

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



Technical data	
Dimensions (lxwxh)	16 9/16" x 8 1/4" x 14 9/16"
Weight	21 lbs
Motor power	16.3 A
Speed (no load)	2300 rpm
Angle adjustment	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

Saw accessories

EBS.500
saw band 1/2" x 0.03" x 56$^{11/16"}$, 6-10 tpi
(set of 5)
500.0001

EDC.140
saw blade 14", 80 teeth, bore 1"
130.355/80

EHC.230/3
saw blade 9", 48 teeth, bore 1"
230.0003

EHC.185
saw blade 7"
for aluminium
185.0371
for stainless steel
185.0373

Leading the way in Quality Assurance

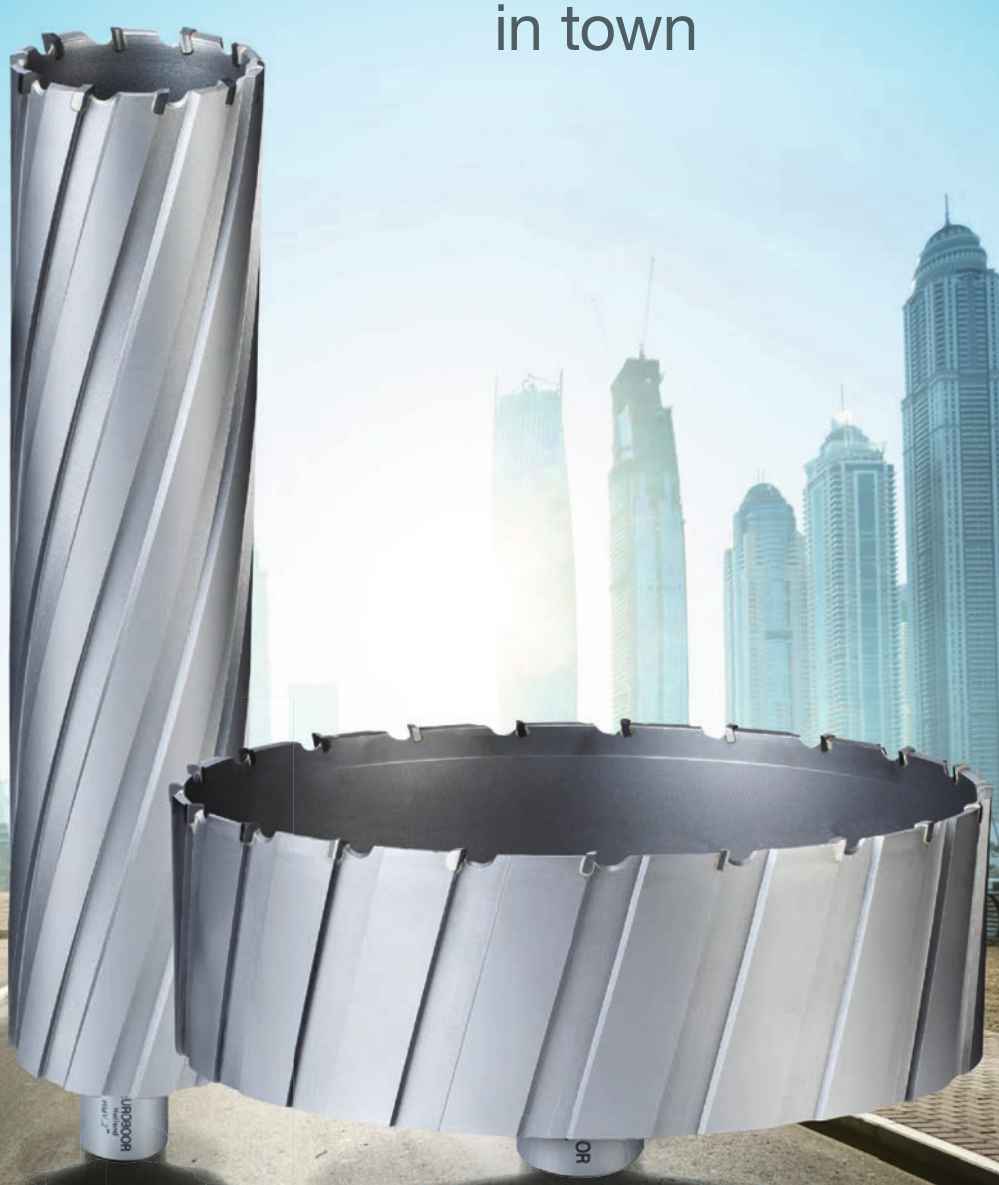
At Euroboor we are constantly upgrading our technology to provide our customers with leading edge products that perform to the highest standards. Not only do we offer top quality machining and tooling, we also deliver superior customer care and top quality performance in order to keep our customers coming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

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

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

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

The **big boys** are in town



DoC
8"

DIA
8"

TCT cutters up to 8" Diameter / 8" Depth of Cut

Superior quality For a super sharp price

EUROBOOR
FOR PROFESSIONALS BY PROFESSIONALS

annular cutters

Notes

Notes

Notes

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

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

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

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

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

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

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

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

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

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

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

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

Icon guide

Explanation of Euroboor electric machine charateristics on icon placement

- Annular cutters Ø in inch
- Twist drills Ø in inch
- Countersinking Ø in inch
- Threading in inch
- Weight in lbs
- Motor power in amps
- Bar (PSI)
- Magnetic force in lbs
- Stroke in inch
- Swivelbase magnet
- CW/CCW rotation
- Soft start
- Overload protection
- Heat protection
- GearBox Oil filled
- Digital readout display
- 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 is works only with annular cutters.
- Revolutions
- Bevel depth in inch
- Cutting capacity round/square in inch
- Adjustment angle
- Authorized for explosive environments (ATEX)

Your Euroboor dealer:

EUROBOOR

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CATUSA1609

Intertek Intertek Intertek

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magdrills - annular cutters - sawing tools - grinding tools - accessories