



Quality Tools and Machines

PUNCHING
DRILLING
CUTTING
DEBURRING

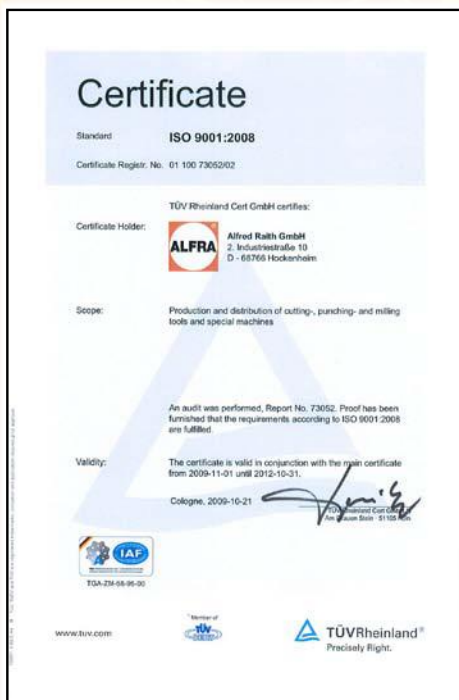


**3. revised
Edition**

21
Part B



NATURALLY ALSO ON THE INTERNET – www.alfra.de



Made in Germany




METAL CORE DRILLING HAS GOT A NAME


ALFRA ROTABEST®





GOOD REASONS TO DECIDE ON **ALFRA RÖTABEST®**


MANUFACTURER'S COMPETENCE
30 YEARS OX EXPERIENCE


 **Powerful Motors with high torques and a range from 900 to 2.500W, ergonomic design, perfect technology.**


 **Oilbath Gear Box**


 **Improved magnetic adhesion due to 3 instead of 2 coils.**


 **Soft-Touch Grip**
Low-vibration – with optimum secure grip (even with oil-coated gloves).


 **Pressed-in brass rings for an improved protection of the magnet coils.**


 **Continuously adjustable motor on the slide for a maximum stroke enlargement, when using twist drills, drill chucks and tapping attachments.**

 **Rota-Quick® – quick change arbor – problem-free change of cutter. The decisive advantage compared with other quick change arbors: every usual cutter with Weldon-shank fits.**

 **Durable keyboard with flat cable. Panel slopingly arranged, directly in sight of the user. To feel for the ON/OFF-switch has come to an end. Easy reachability of keyboard, even in narrow U-beams and H-beams.**

 **Newly designed gear-housing with integrated motor support. With built-in height adjustment by means of clamping jaws – there is no better fixing device.**

 **Trouble with ordinary dovetail or pillar guides? Solid brass guide rails guarantee an optimum slide guidance.**

 **The heart of our Magnetic Drilling Machines: Robust electronic switch units, interchangeable between Model 32 – 40 – 60 – 100 and between 40 RL-E – 60 RL-E – 100 RL-E**





ALFRA METAL CORE DRILLING MACHINES – RQ Series Overview

Made in Germany by ALFRA



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Type	Rotabest® 32 RQ	Rotabest® 40 RQ	Rotabest® 40 RL-E	Rotabest® 60
Prod.-No	18600	18610	18611	18625
Input	1.100 Watt	1.200 Watt	1.200 Watt	1.800 Watt
Speed rpm	450	250/450	100-250 180-450	110/175/ 245/385
Full Wave Electronics/ Thermal protection	-	-	■	-
Oil-bath gear box	-	■	■	■
Motor Overload Protection/ Over-Voltage Switch-Off	-	-	■	-
Right-/Left Rotation	-	-	■	-
Friction Clutch	-	-	-	■
Max. Ø of Cutter	32 mm	40 mm	40 mm	60 mm
Max. Cutting Depth	50 mm	50 mm	50 mm	50 mm
Tapping	-	M 20	M 20	M 30
Countersinking	■	■	■	■
Twist Drills Ø max.	13 mm	13 mm	16 mm	32 mm
Arbor	19 mm Weldon Rota-Quick® quick change arbor	19 mm Weldon Rota-Quick® quick change arbor	MT 2	MT 3
Magnetic Adhesion	11.000 N rigid	16.000 N rigid	16.000 N rigid	20.000 N 30° swiveling
Min. Material Thickness	6 mm	6 mm	6 mm	10 mm
Size of Magnet Foot	70 x 180 mm	80 x 230 mm	80 x 230 mm	80 x 230 mm
Stroke	160 mm	170 mm	170 mm	190 mm
Motor adjustable in height	85 mm	100 mm	100 mm	60 mm
Weight	11.8 kg	16 kg	16 kg	22 kg



ALFRA METAL CORE DRILLING MACHINES – RQ Series Overview

Made in Germany by ALFRA



			
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Rotabest® 60 RL-E	Rotabest® 100	Rotabest® 100 RL-E	Rotabest® V32
18626	18635	18632	18710
1.800 Watt	2.500 Watt	1.800 Watt	900 Watt
50-110/75-175 105-245/165-385	165/255/365/570	50-110/75-175/ 105-245/165-385	450
■	■	■	–
■ 	■ 	■ 	–
■	■	■	–
■	–	■	–
■	■	■	–
60 mm	100 mm	100 mm	32 mm
50 mm	50 mm	50 mm	25 mm
M 30	M 30	M 30	–
■	■	■	■
32 mm	32 mm	32 mm	–
MT 3	MT 3	MT 3	19 mm Weldon
20.000 N 30° swiveling	20.000 N 30° swiveling	20.000 N 30° swiveling	16.000 N rigid
10 mm	10 mm	10 mm	6 mm
80 x 230 mm	80 x 230 mm	80 x 230 mm	95 x 200 mm
190 mm	245 mm	245 mm	45 mm
60 mm	116 mm	116 mm	–
22 kg	29 kg	28 kg	12.5 kg

B



Metal Core Drilling with

ALFRA ROTABEST[®]

32RQ





METAL CORE DRILLING MACHINE – ALFRA Rotabest® 32 RQ

Made in Germany by ALFRA



Technical data:

Core Drill:	Ø 12.0 - 32.0 mm
Cutting Depth:	50.0 mm
Twist drill:	Ø 1.0 - 13.0 mm
Countersinking:	Ø 10.0 - 40.0 mm
Input:	1.100 W
1-speed gearbox:	450 rpm
Tool holder:	19.0 mm Rota-Quick® quick change arbor internal, automatically
Coolant Supply:	230 Volt or 110 Volt (50-60 Hz)
Voltage:	11.000 N
Magnet adhesion:	70 x 180 mm (rigid)
Magnet foot:	85 mm
Height Adjustable:	160 mm
Stroke:	11.8 kg
Weight:	

Scope of Supply:

- Metal Core Drilling Machine 32 RQ
- Transport Case
- Coolant Unit
- Drilling Spray
- Drill chuck Ø 1 - 13 mm
- Chip remover
- Safety belt
- HSS-Co Cutter Ø 18 mm
- Ejector Pin
- Operation manual



Prod.-No.

ALFRA Rotabest® Complete Set® 32 RQ	230 Volt	18600
ALFRA Rotabest® Complete Set® 32 RQ	110 Volt	18600.110



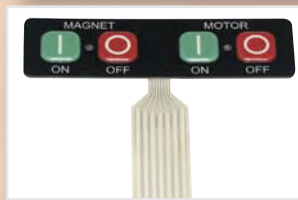
Trouble with ordinary dovetail or pillar guides? Solid brass guide rails guarantee an optimum slide guidance.



Left-handed? Reversible handles for right- and left-handed operation. Allen key misplaced? Tool pouch for the Allen key for the motor height adjustment fixing screws. Ruler to check drilling depth.



Rota-Quick® quick change arbor – easy cutter change. The decisive advantage over other quick-change systems: It takes all standard cutters with Weldon shanks.



NEW – durable foil keypad with flat cable, control panel slanted in direct view of operator. An end to groping for the on/off switch. Keypad easily accessible even in narrow U-beams and H-beams.



Improved magnetic adhesion due to 3 instead of 2 coils.

Pressed in brass rings for an improved protection of the magnet coils.



The jackscrews for the slide guidance are no longer on the front side, but on the back side of the panel. No danger of injuries. Fixing device to fix the slide on each height. For comfortable tool-change, ideal for the machine-transport.



Motor adjustable in height on the slide for maximum stroke enlargement when using twist drills and drill chucks.



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B



Metal Core Drilling with

ALFRA ROTABEST[®]

40RQ





METAL CORE DRILLING MACHINE – ALFRA Rotabest® 40 RQ

Made in Germany by ALFRA



Technical data:

Core Drill:	Ø 12.0 - 40.0 mm
Cutting Depth:	50.0 mm
Twist drill:	Ø 1.0 - 13.0 mm
Countersinking:	Ø 10.0 - 40.0 mm
Tapping:	with Tapping Attachment: M3 - M20
Input:	1.200 W
2-speed gearbox:	250/450 rpm
Tool holder:	19.0 mm Rota-Quick® quick change arbor internal, automatically
Coolant Supply:	230 Volt or 110 Volt (50-60 Hz)
Voltage:	16000 N
Magnet adhesion:	80 x 230 mm (rigid)
Magnet foot:	100 mm
Height Adjustable:	170 mm
Stoke:	16.0 kg

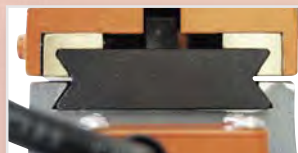
Scope of Supply:

- Metal Core Drilling Machine 40 RQ
- Transport Case
- Coolant Unit
- Drilling Spray
- Drill chuck Ø 1 - 13 mm
- Chip remover
- Safety belt
- HSS-Co Cutter Ø 22 mm
- Ejector Pin
- Operation manual



Prod.-No.

ALFRA Rotabest® Complete Set 40 RQ	230 Volt	18610
ALFRA Rotabest® Complete Set 40 RQ	110 Volt	18610.110



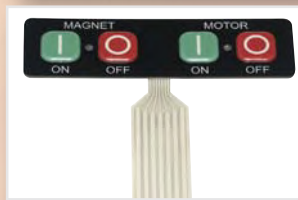
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B

ALFRA

Metal Core Drilling with

ALFRA ROTABEST[®]

40RL-E



- The characteristic feature of this series is the right-/left rotation (e. g. for threading without tapping attachment).
- Used with threading quick-change chuck with threaded inserts.
- Diverse applications: Drilling with twist or core drills, threading, countersinking and rubbing.
- With control electronics for optimal speeds.
- Robust – precise – versatile.

Height adjustable

SICHERHEITSHINWEISE



SECURITY ADVICE
CONSIGNE DE SÉCURITÉ
AVISO DE SEGURIDAD



METAL CORE DRILLING MACHINE – ALFRA Rotabest® 40 RL-E

Made in Germany by ALFRA

Technical data:

Core Drill: Ø 12.0 - 40.0 mm
Cutting Depth: 50.0 mm
Twist Drill: Ø 1.0 up to 16.0 mm with MT 2 quick-clamp drill chuck up to Ø 20.0 mm with MT 2 DIN 345 direct insertion with Tap Collets: M3 - M14 with Tapping Attachment: M3 - M20 Ø 40.0 mm
Tapping:
Countersinking:
Motor:
Input: 1.200 W
2-speed gear: right/left
 1. speed 100 - 250 rpm
 2. speed 180 - 450 rpm
Arbor: MT 2
Coolant Supply: via Tool Holder
Full Wave Electronics: serial
Thermal protection: serial
Torque Cutoff: serial
Height Adjustable: 100 mm
Stoke: 170 mm
Voltage: 230 Volt or 110 Volt (50-60 Hz)
Magnet adhesion: 16000 N
Magnet foot: 80 x 230 mm (rigid)
Weight: 16.0 kg

Scope of Supply:

- Metal Core Drilling Machine 40 RL-E
- Transport Case
- Coolant Unit
- Drilling Spray
- Quick-clamp drill chuck 1 to 16 mm, MT 2
- Chip remover
- Safety belt
- Operation manual



Prod.-No.

ALFRA Rotabest® Complete Set 40 RL-E	230 Volt	18611
ALFRA Rotabest® Complete Set 40 RL-E	110 Volt	18611.110



Trouble with ordinary dovetail or pillar guides? Solid brass guide rails guarantee an optimum slide guidance.



Left-handed? Reversible handles for right- and left-handed operation. Allen key misplaced? Tool pouch for the Allen key for the motor height adjustment fixing screws. Ruler to check drilling depth.



NEW – durable foil keypad with flat cable, control panel slanted in direct view of operator. An end to groping for the on/off switch. Keypad easily accessible even in narrow U-beams and H-beams. Plus: motor control for right-/left rotation.



Improved magnetic adhesion due to 3 instead of 2 coils.

Pressed in brass rings for an improved protection of the magnet coils.



Especially well-suited to problem-solving and fast threading.



Motor adjustable in height on the slide for maximum stroke enlargement when using twist drills and drill chucks.



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B



Metal Core Drilling with

ALFRA ROTABEST[®]

60





METAL CORE DRILLING MACHINE – ALFRA Rotabest® 60

Made in Germany by ALFRA



Technical data:

Core Drill: Ø 12.0 - 60.0 mm
 Cutting depth: 50.0/110.0 mm
 Twist drill: Ø 1.0 - 16.0 mm with drill chuck up to Ø 32.0 with Morse Taper Ø 10.0 - 55.0 mm

Countersinking:
 Tapping: up to M30 with Tapping Attachment
 Input: 1.800 W
 4-speed gearbox: 110/175/245/385 rpm
 Arbor: MT3
 Voltage: 230 Volt or 110 Volt (50-60 Hz)
 Magnetic adhesion: 20000 N
 Magnet Foot: 80 x 230 mm, 30° adjustable right/left 10 mm back/forwards

Height Adjustable: 60 mm
 Stroke: 190 mm
 Weight: 22.0 kg

Scope of Supply:

- Metal Core Drilling Machine 60
- Transport Case
- Coolant Unit
- Chip remover
- Safety belt
- Drilling Spray
- Operation manual



Prod.-No.

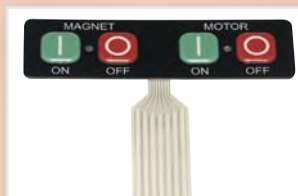
ALFRA Rotabest® Complete Set 60	230 Volt	18625
ALFRA Rotabest® Complete Set 60	110 Volt	18625.110



Trouble with ordinary dovetail or pillar guides? Solid brass guide rails guarantee an optimum slide guidance.



Left-handed? Reversible handles for right- and left-handed operation. Allen key misplaced? Tool pouch for the Allen key for the motor height adjustment fixing screws. Ruler to check drilling depth.



NEW – durable foil keypad with flat cable, control panel slanted in direct view of operator. An end to groping for the on/off switch. Keypad easily accessible even in narrow U-beams and H-beams.



Improved magnetic adhesion due to 3 instead of 2 coils.

Pressed in brass rings for an improved protection of the magnet coils.



Adjustable Magnet Foot for better positioning. 10 mm back/forwards. 15° right/left.



Motor adjustable in height on the slide for maximum stroke enlargement when using twist drills and drill chucks.



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B

ALFRA

Metal Core Drilling with

ALFRA ROTABEST[®]

60RL-E



- This machine has the same features as model 40 RL-E for drilling – threading (M3 to M30) – countersinking up to Ø 55 mm or rubbing
- Even more powerful and robust with the greatest magnetic adhesion for your safety.
- The magnet foot can be pivot 30° right and left and can be adjusted 10 mm forwards and backwards.
- This means the greatest possible flexibility for positioning:
 - setting the machine
 - securing with magnet
 - and then precise positioning.
- Motor height adjustable for greatest possible stroke, especially for use with MT twist drills, tap collets and extra-long cutters.



METAL CORE DRILLING MACHINE – ALFRA Rotabest® 60 RL-E

Made in Germany by ALFRA



Technical data:

Core Drill: Ø 12.0 - 60.0 mm
 Cutter, extra long 110 mm: Ø 20.0 - 50.0 mm
 Cutting depth: 50.0/110.0 mm
 Twist drill: Ø 1.0 - 16.0 mm with drill chuck
 up to Ø 32 mm with Morse Taper DIN 345
 with Tap Collets: up to M30
 with Tapping Attachment: up to M30
 Tapping: Ø 10 - 55.0 mm

Countersinking:
 Motor: 1.800 W
 Input: right/left
 4-speed gearbox:
 1. speed 50 - 110 rpm
 2. speed 75 - 175 rpm
 3. speed 105 - 245 rpm
 4. speed 165 - 385 rpm

Tool holder: MT 3
 Coolant Supply: via Tool Holder
 Full Wave Electronics: serial
 Thermal protection: serial
 Torque Cutoff: serial
 Voltage: 230 Volt or 110 Volt (50-60 Hz)
 Magnetic adhesion: 20000 N
 Magnet Foot: 80 x 230 mm, 30° adjustable right/left, 10 mm back/forwards

Height Adjustable: 60 mm
 Stroke: 190 mm
 Weight: 22.0 kg

Scope of Supply:

- Metal Core Drilling Machine 60 RL-E
- Transport Case
- Coolant Unit
- Drilling Spray
- Quick-clamp drill chuck 1 to 16 mm, MT 3
- Chip remover
- Safety belt
- Operation manual



Prod.-No.

ALFRA Rotabest® Complete Set 60 RL-E	230 Volt	18626
ALFRA Rotabest® Complete Set 60 RL-E	110 Volt	18626.110



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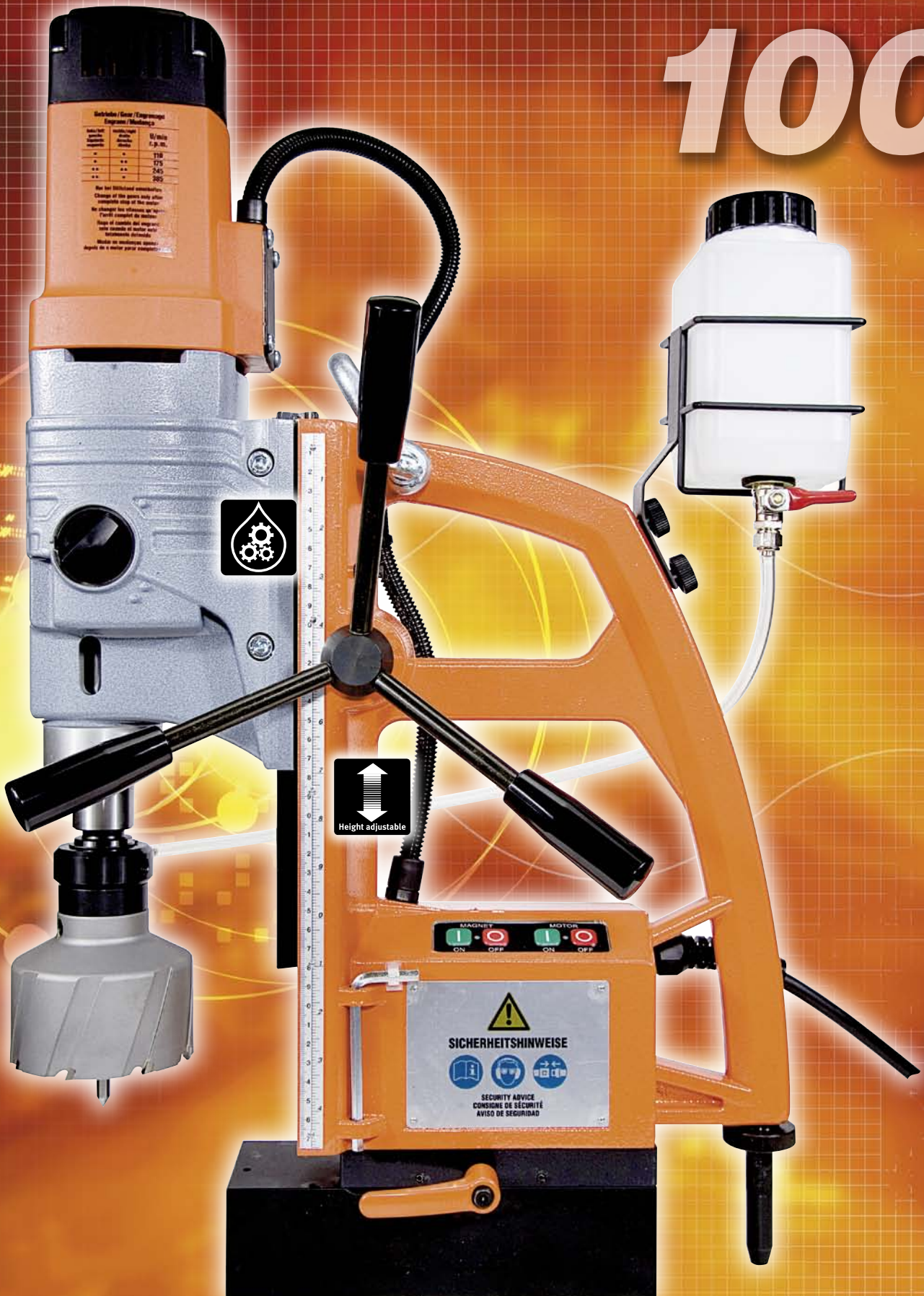
B



Metal Core Drilling with

ALFRA ROTABEST®

100





METAL CORE DRILLING MACHINE – ALFRA Rotabest® 100

Made in Germany by ALFRA



Technical Data 100:

Core Drill: Ø 12.0 - 100.0 mm
Cutting Depth: 50.0 mm/110 mm
Twist drill: Ø 1.0 - 16.0 mm with drill chuck
 up to Ø 32.0 mm with Morse Taper
 Ø 10.0 - 55.0 mm
Countersinking:
Tapping: up to M30 with Tapping Attachment
Input: 2.500 W
4-speed gearbox: 165/255/365/570 rpm
Tool holder: MT 3
Voltage: 230 Volt or 110 Volt (50-60 Hz)
Magnetic adhesion: 20000 N
Magnet Foot: 80 x 230 mm, 30° adjustable right/left
 10 mm back/forwards
Height Adjustable: 116 mm
Stroke: 245 mm
Weight: 29.0 kg



Scope of Supply:

- Metal Core Drilling Machine 100
- Transport Case
- Coolant Unit
- Chip remover
- Safety belt
- Drilling Spray
- Operation manual

Prod.-No.

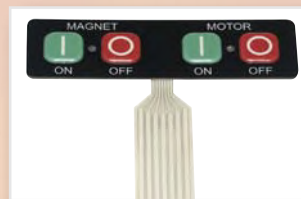
ALFRA Rotabest® Complete Set 100	2500 W	230 Volt	18635
ALFRA Rotabest® Complete Set 100	2500 W	110 Volt	18635.110



Trouble with ordinary dovetail or pillar guides? Solid brass guide rails guarantee an optimum slide guidance.



Left-handed? Reversible handles for right- and left-handed operation. Allen key misplaced? Tool pouch for the Allen key for the motor height adjustment fixing screws. Ruler to check drilling depth.



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Improved magnetic adhesion due to 3 instead of 2 coils. Pressed in brass rings for an improved protection of the magnet coils.



Adjustable Magnet Foot for better positioning. 10 mm back/forwards. 15° right/left.



Motor adjustable in height on the slide for maximum stroke enlargement when using twist drills and drill chucks.



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B



Metal Core Drilling with

ALFRA ROTABEST[®]

100 RL-E





METAL CORE DRILLING MACHINE – ALFRA Rotabest® 100 RL-E

Made in Germany by ALFRA



Technical Data 100 RL-E:

Core Drill: Ø 12.0 - 100.0 mm
 Cutting Depth: 50.0 mm/110 mm
 Twist drill: Ø 1.0 - 16.0 mm with drill chuck
 up to Ø 32.0 mm with Morse Taper
 Ø 10.0 - 55.0 mm
 Countersinking: with Tap Collets: up to M30
 Tapping: with Tapping Attachment: up to M30
 Input: 1.800 W
 4-speed gearbox: right/left
 1. speed 50 - 110 rpm
 2. speed 75 - 175 rpm
 3. speed 105 - 245 rpm
 4. speed 165 - 385 rpm
 MT3
 Tool holder: 230 Volt or 110 Volt (50-60 Hz)
 Voltage: 20000 N
 Magnetic adhesion: Magnet Foot: 80 x 230 mm, 30° adjustable right/left
 10 mm back/forwards
 Stroke: 245 mm
 Weight: 28.0 kg

Scope of Supply:

- Metal Core Drilling Machine 100 RL-E
- Transport Case
- Coolant Unit
- Chip remover
- Safety belt
- Drilling Spray
- Quick-clamp drill chuck
- Operation manual



Prod.-No.

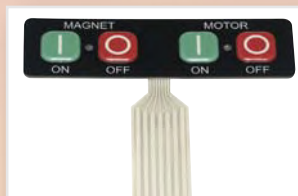
ALFRA Rotabest® Complete Set 100 RL-E	230 Volt	18632
ALFRA Rotabest® Complete Set 100 RL-E	110 Volt	18632.110



Trouble with ordinary dovetail or pillar guides? Solid brass guide rails guarantee an optimum slide guidance.



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B

ALFRA

Metal Core Drilling with

ALFRA ROTABEST[®]

V32





ANGULAR METAL CORE DRILLING MACHINE – ALFRA Rotabest® V32

- Horizontal metal core drilling machine for the tightest conditions. Perfect for use where regular metal core drilling machines cannot go due to their height.
- Application areas:
Steel construction (in between girder flanges), vehicle construction (truck frames), bridge construction, tower construction, tunnel construction, tersely everywhere, where it's narrow ...
- The total height is just 227 mm and can even be reduced to 185 mm by removing the handle.
- The spur gear unit is designed for robust use and is fed using a ratchet leveler.
Reversible for right- and left-handed operation.
- Another advantage: the design of the angled gear unit ensures permanent lubrication and prevents dry running.
- Used with the proven motors and magnet foot components from the Rotabest® series.

Technical data:

Core Drill:	Ø 12.0 - 32.0 mm
Cutting Depth:	25 mm
Countersinking:	Ø 10.0 - 32.0 mm
Input:	900 W
1-speed gearbox:	450 rpm
Tool Holder:	19 mm Weldon
Cooling:	internal, automatically through the spindle the spindle
Voltage:	230 Volt or 110 Volt (50-60 Hz)
Magnet Foot:	95 x 200 mm (rigid)
Magnet adhesion:	16000 N
Height:	227/185 mm
Power cord:	3.0 m
Weight:	12.5 kg



Scope of Supply:

- Angular Metal Core Drilling Machine V 32
- Coolant unit with hose and nipple
- transport case
- Allen key for Weldon arbor
- safety belt
- HSS Co Cutter Ø 18 mm, cutting depth 25 mm
- Ejector pin 6.35 x 70 mm (specifically for Rotabest® V32)
- Operation manual



Suitable for the tightest spaces, wherever it is tight.



Fed using ratchet leveler, reversible for right- and left-handed operation



Spur gear unit for robust application



Good view from operator position to drill



Robust rack guides



*Easy to use:
Magnet on – Motor on/off*

Prod.-No.

ALFRA Rotabest® Complete Set V32	230 Volt	18710
ALFRA Rotabest® Complete Set V32	110 Volt	18710.110



ALFRA ROTABEST® – HSS BASIC Cutters

With Weldon shank 19.0 mm

- With Weldon shank 19.0 mm, 2 clamping surfaces, 1 Countersinking for RotaQuick®
- Internal bore: 6.35 mm
- Steel quality: Special high-capacity speed steel
- Ground section: high performance toothing with pre- and post cutter

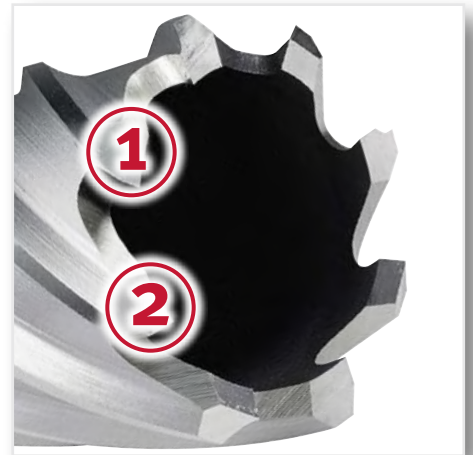
suitable for:

ALFRA-Rotabest® (Weldon), ALFRA-RotaQuick® quick change system, BDS, Bux, Ruko, Magnetor, Euroboor, Universal, Nitto, Jancy, Hougen, Magtron, Promac, Rotabroach and as well as for all types of magnetic drilling machines with Weldon shank.

Ø in mm	Prod.-No	Prod.-No.
Cutting Depth:	25 mm	50 mm
12.0	1907012025	1907012050
13.0	1907013025	1907013050
13.5	1907013525	1907013550
14.0	1907014025	1907014050
15.0	1907015025	1907015050
15.5	1907015525	1907015550
16.0	1907016025	1907016050
17.0	1907017025	1907017050
17.5	1907017525	1907017550
18.0	1907018025	1907018050
19.0	1907019025	1907019050
19.5	1907019525	1907019550
20.0	1907020025	1907020050
21.0	1907021025	1907021050
22.0	1907022025	1907022050
23.0	1907023025	1907023050
24.0	1907024025	1907024050
25.0	1907025025	1907025050
26.0	1907026025	1907026050
26.5	1907026525	1907026550
27.0	1907027025	1907027050
28.0	1907028025	1907028050
29.0	1907029025	1907029050
30.0	1907030025	1907030050
31.0	1907031025	1907031050
32.0	1907032025	1907032050
33.0	1907033025	1907033050
34.0	1907034025	1907034050
35.0	1907035025	1907035050
36.0	1907036025	1907036050
37.0	1907037025	1907037050
38.0	1907038025	1907038050
39.0	1907039025	1907039050
40.0	1907040025	1907040050
41.0	1907041025	1907041050
42.0	1907042025	1907042050
43.0	1907043025	1907043050
44.0	1907044025	1907044050
45.0	1907045025	1907045050
46.0	1907046025	1907046050
47.0	1907047025	1907047050
48.0	1907048025	1907048050
49.0	1907049025	1907049050
50.0	1907050025	1907050050
51.0	-	1907051050
52.0	1907052025	1907052050
53.0	-	1907053050
54.0	-	1907054050
55.0	1907055025	1907055050
56.0	-	1907056050
57.0	-	1907057050
58.0	-	1907058050
59.0	-	1907059050
60.0	1907060025	1907060050
Ejector Pin	1926500	1950500
Dimension mm:	6.35 x 77	6.35 x 102



Countersinking for RotaQuick® Weldon



High performance toothing with pre- (1) and post (2) cutter





B

ALFRA ROTABEST® – HSS BASIC Cutter Sets

With Weldon shank 19.0 mm



- An assortment of the most popular sizes of cutters clearly presented in a solid plastic case.
- Absolute protection of the teeth even in rough applications on the spot and in the workshop.
- We can manufacture your individual sets from Ø 12.0 to 30.0 mm on request.

Dimensions in inches available upon request

HSS BASIC Cutter Set

Cutting Depth **25 mm**

Prod.-No.

1907003025

6 pc. Cutter Set:

with 1 ea. of Ø 12.0 - 14.0 - 16.0 - 18.0 - 20.0 - 22.0 mm

in solid plastic case

incl. 1 ejector pin Prod.-No. 1926500

Prod.-No. 1907003025



HSS BASIC Cutter Set

Cutting Depth **25 mm**

Prod.-No.

1907001025

10 pc. Cutter Set:

with Ø 2 x 12.0 - 2 x 14.0 - 1 x 16.0 - 2 x 18.0 - 1 x 20.0 - 2 x 22.0 mm

in solid plastic case

incl. 2 ejector pins Prod.-No. 1926500

Prod.-No. 1907001025



HSS BASIC Cutter Set

Cutting Depth **50 mm**

Prod.-No.

1907003050

6 pc. Cutter Set:

with 1 ea. of Ø 14.0 - 16.0 - 18.0 - 20.0 - 22.0 - 26.0 mm

in solid plastic case

incl. 1 ejector pin Prod.-No. 1950500

Prod.-No. 1907003050



HSS BASIC Cutter Set

Cutting Depth **50 mm**

Prod.-No.

1907001050

10 pc. Cutter Set:

with Ø 2 x 14.0 - 1 x 16.0 - 2 x 18.0 - 1 x 20.0 - 2 x 22.0 - 1 x 24.0 - 1 x 26.0 mm

in solid plastic case

incl. 2 ejector pins Prod.-No. 1950500

Prod.-No. 1907001050





ALFRA ROTABEST® – HSS-Co-Eco Cutters

With Weldon shank 19.0 mm

- With Weldon shank 19.0 mm, 2 clamping surfaces, 1 Countersinking for RotaQuick®
- Internal bore: 6.35 mm
- Steel quality: Special high-capacity speed steel, cobalt
- Ground section: high performance toothing with pre- and post cutter

Dimensions in inches available upon request

suitable for:

ALFRA-Rotabest® (Weldon), ALFRA-RotaQuick® quick change system, BDS, Bux, Ruko, Magnetor, Euroboor, Universal, Nitto, Jancy, Hougen, Magtron, Promac, Rotabroach and as well as for all types of magnetic drilling machines with Weldon shank.

Ø in mm	Prod.-No.	Prod.-No.	Prod.-No.	Prod.-No.*
Cutting depth	25 mm	35 mm	50 mm	110 mm
12.0	1901012025	1901012035	1901012050	–
13.0	1901013025	1901013035	1901013050	–
13.5	1901013525	–	1901013550	–
14.0	1901014025	1901014035	1901014050	–
15.0	1901015025	1901015035	1901015050	–
15.5	1901015525	–	1901015550	–
16.0	1901016025	1901016035	1901016050	–
17.0	1901017025	1901017035	1901017050	–
17.5	1901017525	–	1901017550	–
18.0	1901018025	1901018035	1901018050	–
19.0	1901019025	1901019035	1901019050	–
19.5	1901019525	–	1901019550	–
20.0	1901020025	1901020035	1901020050	1901020110
21.0	1901021025	1901021035	1901021050	–
22.0	1901022025	1901022035	1901022050	1901022110
23.0	1901023025	1901023035	1901023050	–
24.0	1901024025	1901024035	1901024050	1901024110
25.0	1901025025	1901025035	1901025050	1901025110
26.0	1901026025	1901026035	1901026050	1901026110
26.5	1901026525	–	1901026550	–
27.0	1901027025	1901027035	1901027050	–
28.0	1901028025	1901028035	1901028050	1901028110
29.0	1901029025	1901029035	1901029050	–
30.0	1901030025	1901030035	1901030050	1901030110
31.0	1901031025	1901031035	1901031050	–
32.0	1901032025	1901032035	1901032050	1901032110
33.0	1901033025	1901033035	1901033050	–
34.0	1901034025	1901034035	1901034050	–
35.0	1901035025	1901035035	1901035050	1901035110
36.0	1901036025	1901036035	1901036050	–
37.0	1901037025	1901037035	1901037050	–
38.0	1901038025	1901038035	1901038050	–
39.0	1901039025	1901039035	1901039050	–
40.0	1901040025	1901040035	1901040050	1901040110
41.0	1901041025	–	1901041050	–
42.0	1901042025	–	1901042050	–
43.0	1901043025	–	1901043050	–
44.0	1901044025	–	1901044050	–
45.0	1901045025	–	1901045050	1901045110
46.0	1901046025	–	1901046050	–
47.0	1901047025	–	1901047050	–
48.0	1901048025	–	1901048050	–
49.0	1901049025	–	1901049050	–
50.0	1901050025	–	1901050050	1901050110
51.0	–	–	1901051050	–
52.0	1901052025	–	1901052050	–
53.0	–	–	1901053050	–
54.0	–	–	1901054050	–
55.0	1901055025	–	1901055050	–
56.0	–	–	1901056050	–
57.0	–	–	1901057050	–
58.0	–	–	1901058050	–
59.0	–	–	1901059050	–
60.0	1901060025	–	1901060050	–
Ejector Pins	1926500	1935500	1950500	2001502
Dimensions mm	6.35 x 77	6.35 x 87	6.35 x 102	8 x 160



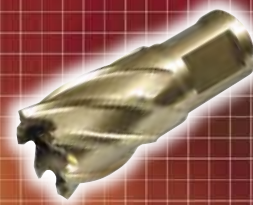
Countersinking for RotaQuick® Weldon



High performance toothing with pre- (1) and post (2) cutter



* Attention: HSS-Co-Eco Cutters with cutting depth 110 mm can only be used with Tool Holder AMT 2 L (Prod.-No. 18003 L) or AMT 3 L (Prod.-No. 18025 L).



ALFRA ROTABEST® – HSS-Co-Eco Cutter Sets

With Weldon shank 19.0 mm



- An assortment of the most popular sizes of cutters clearly presented in a solid plastic case.
- Absolute protection of the teeth even in rough applications on the spot and in the workshop.
- We can manufacture your individual sets from Ø 12.0 to 30.0 mm on request.

Dimensions in inches available upon request

HSS-Co-Eco Cutter Set

Cutting Depth **25 mm**

Prod.-No.

1901003025

6 pc. Cutter Set:

with 1 ea. of Ø 12.0 - 14.0 - 16.0 - 18.0 - 20.0 - 22.0 mm

in solid plastic case
incl. 1 ejector pin Prod.-No. 1926500

Prod.-No. 1901003025



HSS-Co-Eco Cutter Set

Cutting Depth **25 mm**

Prod.-No.

1901001025

10 pc. Cutter Set:

with Ø 2 x 12.0 - 2 x 14.0 - 1 x 16.0 - 2 x 18.0 - 1 x 20.0 - 2 x 22.0 mm

in solid plastic case
incl. 2 ejector pins Prod.-No. 1926500

Prod.-No. 1901001025



HSS-Co-Eco Cutter Set

Cutting Depth **50 mm**

Prod.-No.

1901003050

6 pc. Cutter Set:

with 1 ea. of Ø 14.0 - 16.0 - 18.0 - 20.0 - 22.0 - 26.0 mm

in solid plastic case
incl. 1 ejector pin Prod.-No. 1950500

Prod.-No. 1901003050



HSS-Co-Eco Cutter Set

Cutting Depth **50 mm**

Prod.-No.

1901001050

10 pc. Cutter Set:

with Ø 2 x 14.0 - 1 x 16.0 - 2 x 18.0 - 1 x 20.0 - 2 x 22.0 - 1 x 24.0 - 1 x 26.0 mm

in solid plastic case
incl. 2 ejector pins Prod.-No. 1950500

Prod.-No. 1901001050





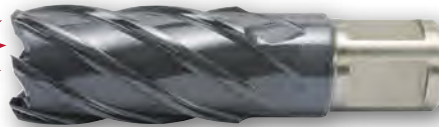
ALFRA ROTABEST® – HSS-Cobalt RQX Cutters, coated

With Weldon shank 19.0 mm

- With Weldon shank 19.0 mm, 2 clamping surfaces, 1 Countersinking for RotaQuick®
- Internal bore: 6.35 mm
- Steel quality: special quality high-capacity speed steel with cobalt, **coated**
- Ground section: high performance tooling with pre- and post cutter

suitable for:
ALFRA-Rotabest® (Weldon), ALFRA-RotaQuick® quick change system, BDS, Bux, Ruko, Magnetor, Euroboor, Universal, Nitto, Jancy, Hougen, Magtron, Promac, Rotabroach and as well as for all types of magnetic drilling machines with Weldon shank.

Dimensions in inches available upon request



Countersinking for RotaQuick® Weldon

Ø in mm	Cutting depth 25 mm	Prod.-No.
12.0		1902012025
13.0		1902013025
14.0		1902014025
15.0		1902015025
16.0		1902016025
17.0		1902017025
18.0		1902018025
19.0		1902019025
20.0		1902020025
21.0		1902021025
22.0		1902022025
23.0		1902023025
24.0		1902024025
25.0		1902025025
26.0		1902026025
27.0		1902027025
28.0		1902028025
29.0		1902029025
30.0		1902030025
31.0		1902031025
32.0		1902032025
33.0		1902033025
34.0		1902034025
35.0		1902035025
36.0		1902036025
37.0		1902037025
38.0		1902038025
39.0		1902039025
40.0		1902040025
41.0		1902041025
42.0		1902042025
43.0		1902043025
44.0		1902044025
45.0		1902045025
46.0		1902046025
47.0		1902047025
48.0		1902048025
49.0		1902049025
50.0		1902050025
51.0		
52.0		
53.0		
54.0		
55.0		
56.0		
57.0		
58.0		
59.0		
60.0		
Ejector pin 6.35 x 77 mm		1926500

Ø in mm	Cutting depth 50 mm	Prod.-No.
12.0		1902012050
13.0		1902013050
14.0		1902014050
15.0		1902015050
16.0		1902016050
17.0		1902017050
18.0		1902018050
19.0		1902019050
20.0		1902020050
21.0		1902021050
22.0		1902022050
23.0		1902023050
24.0		1902024050
25.0		1902025050
26.0		1902026050
27.0		1902027050
28.0		1902028050
29.0		1902029050
30.0		1902030050
31.0		1902031050
32.0		1902032050
33.0		1902033050
34.0		1902034050
35.0		1902035050
36.0		1902036050
37.0		1902037050
38.0		1902038050
39.0		1902039050
40.0		1902040050
41.0		1902041050
42.0		1902042050
43.0		1902043050
44.0		1902044050
45.0		1902045050
46.0		1902046050
47.0		1902047050
48.0		1902048050
49.0		1902049050
50.0		1902050050
51.0		1902051050
52.0		1902052050
53.0		1902053050
54.0		1902054050
55.0		1902055050
56.0		1902056050
57.0		1902057050
58.0		1902058050
59.0		1902059050
60.0		1902060050
Ejector pin 6.35 x 102 mm		1950500



High performance tooling with pre- (1) and post (2) cutter





B



ALFRA – HSS-Co RQX Cutter Sets

With Weldon shank 19.0 mm

- An assortment of the most popular sizes of cutters clearly presented in a solid plastic case.
- Absolute protection of the teeth even in rough applications on the spot and in the workshop.
- We can manufacture your individual sets from \varnothing 12.0 to 30.0 mm on request.

Dimensions in inches available upon request

HSS-Co RQX Cutter Set

Cutting Depth **25 mm**

Prod.-No.

1902003025

6 pc. Cutter Set:

with 1 ea. of \varnothing 12.0 - 14.0 - 16.0 - 18.0 - 22.0 - 26.0 mm

in plastic box

incl. 1 ejector pin Prod.-No. 1926500

Prod.-No. 1902003025



HSS-Co RQX Cutter Set

Cutting Depth **25 mm**

Prod.-No.

1902001025

10 pc. Cutter Set:

with \varnothing 2 x 12.0 - 2 x 14.0 - 1 x 16.0 - 2 x 18.0 - 2 x 22.0 - 1 x 26.0 mm

in plastic box

incl. 2 ejector pins Prod.-No. 1926500

Prod.-No. 1902001025



HSS-Co RQX Cutter Set

Cutting Depth **50 mm**

Prod.-No.

1902003050

6 pc. Cutter Set:

with 1 ea. of \varnothing 14.0 - 16.0 - 18.0 - 20.0 - 22.0 - 26.0 mm

in plastic box

incl. 1 ejector pin Prod.-No. 1950500

Prod.-No. 1902003050



HSS-Co RQX Cutter Set

Cutting Depth **50 mm**

Prod.-No.

1902001050

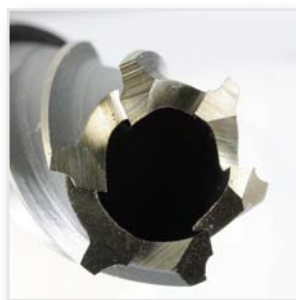
10 pc. Cutter Set:

with \varnothing 2 x 14.0 - 1 x 16.0 - 2 x 18.0 - 1 x 20.0 - 2 x 22.0 - 1 x 24.0 - 1 x 26.0 mm

in plastic box

incl. 2 ejector pins Prod.-No. 1950500

Prod.-No. 1902001050



HSS-Cobalt Cutters for stack drilling (drilling in sandwich material) on request! (Standard core drills aren't suitable.)



ALFRA ROTABEST® – ASP-30 Rail

With Weldon shank 19.0 mm



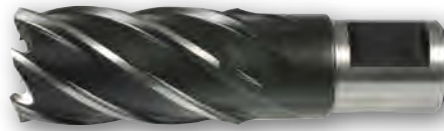
- With Weldon shank 19.0 mm
- Internal bore: 6.35 mm
- Steel quality: Cobalt high-capacity speed steel on powder-metallurgical base with high-purity and improved strength compared to older generation powder steel.
- Perfectly suitable for wear-intensive applications, such as drilling rails.
- These tools can also be used on all magnet drilling machines, especially with Weldon shank.

Suitable for:

all portable Magnet Drilling Machines with 19 mm Weldon arbor, but especially for Rail Drilling Machines of the makes:

- Cembre
- Erico
- KKT
- Dubuis
- Universal
- Magtron
- Rotabroach

Dimensions in inches available upon request



Ø in mm Cutting depth 25 mm Prod.-No.

14.0	1905014025
16.0	1905016025
17.0	1905017025
18.0	1905018025
19.0	1905019025
20.0	1905020025
22.0	1905022025
23.0	1905023025
24.0	1905024025
25.0	1905025025
26.0	1905026025
27.0	1905027025
27.5	1905027525
28.0	1905028025
30.0	1905030025
31.0	1905031025
32.0	1905032025
33.0	1905033025
34.0	1905034025
36.0	1905036025
Ejector pin 6.35 x 77 mm	1926500

Ø in mm Cutting depth 50 mm Prod.-No.

14.0	1905014050
16.0	1905016050
17.0	1905017050
18.0	1905018050
19.0	1905019050
20.0	1905020050
22.0	1905022050
23.0	1905023050
24.0	1905024050
25.0	1905025050
26.0	1905026050
27.0	1905027050
27.5	1905027550
28.0	1905028050
30.0	1905030050
31.0	1905031050
32.0	1905032050
33.0	1905033050
34.0	1905034050
36.0	1905036050
Ejector pin 6.35 x 102 mm	1950500

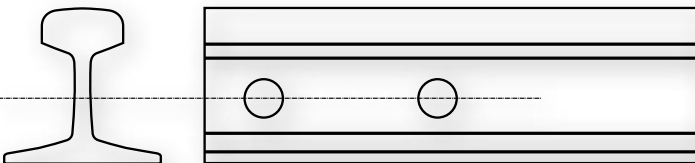


Tip:

Well-proven for drilling Hardox and similar high-tensile steels. Name your drilling problem, we are pleased to advise.

Another Tip:

ASP-60 for "impossible" drilling jobs on request.





B

ALFRA – HSS-Co-Eco Cutters for FEIN-QUICK IN

SUITABLE FOR FEIN MAGNET DRILLING MACHINES



- Suitable for FEIN Magnet Drilling Machines with Quick IN tool holder.
- You use FEIN Magnet Drilling Machines and do not want to do without ALFRA-Rotabest® Cutters? Here is our range of HSS-Co-Eco Cutters suitable for the various FEIN types of machines.
- Special shank 18.0 mm with 4 ball recesses
- Steel quality: Special high-capacity speed steel, cobalt
- Internal bore: 6.4 mm.
- suitable for: FEIN Quick-IN quick change arbor, FEIN core drilling machines with Quick-IN quick-change system of types KBM 32 Q, KBM 50 Q, KBM 65 Q, KBM 65 QF

Ø in mm	Cutting depth 35 mm	Prod.-No.
12.0		1909012035
13.0		1909013035
14.0		1909014035
15.0		1909015035
16.0		1909016035
17.0		1909017035
18.0		1909018035
19.0		1909019035
20.0		1909020035
21.0		1909021035
22.0		1909022035
23.0		1909023035
24.0		1909024035
25.0		1909025035
26.0		1909026035
27.0		1909027035
28.0		1909028035
29.0		1909029035
30.0		1909030035
31.0		1909031035
32.0		1909032035
Ejector pin	6.35 x 106 mm	1936500



Prod.-No. 1936500



High performance toothing with pre- and post cutter

ALFRA – HSS-Co-Eco Cutters suitable for FEIN + Hitachi

- Adaptor with internal thread M18 x 6P 1.5
- Also suitable for Hitachi machines

Ø in mm	Cutting depth 50 mm	Prod.-No.
12.0		1908012050
13.0		1908013050
14.0		1908014050
15.0		1908015050
16.0		1908016050
17.0		1908017050
18.0		1908018050
19.0		1908019050
20.0		1908020050
21.0		1908021050
22.0		1908022050
23.0		1908023050
24.0		1908024050
25.0		1908025050
26.0		1908026050
27.0		1908027050
28.0		1908028050
29.0		1908029050
30.0		1908030050



METAL CORE CUTTERS HAVE GOT A NAME

ALFRA RÖTABEST®

▶ **TUNGSTEN
CARBIDE TIPPED**



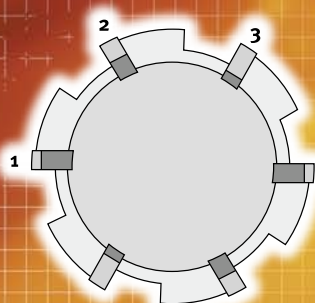
ALFRA ROTABEST® MAGNETIC CORE DRILLING MACHINES + ALFRA ROTABEST® CUTTERS BELONG TOGETHER. PERFECTLY TUNED WITH EACH OTHER.

MANUFACTURER'S COMPETENCE
30 YEARS OF EXPERIENCE

Usable on Magnet Drilling - and Pillar Drilling Machines.
For constructional steels, hard-to-cut materials, such as
chrome-nickel steels and for non-ferrous metals, such as
aluminium or CuZn-alloys and many more.

Advantages of ALFRA ROTABEST® TCT Cutters

- Good concentricity through solid construction
- CAD - optimized cutting geometry for regular chip break
- Specially shaped chip flutes to avoid chip jamming
- Immediate centering
- No running off center
- Low torque
- Minimum demand for energy
- Quick core removal through ejector pin
- Long tool life



ALFRA "Chip-breaker system"
Very precise drilling in 3 steps.

- 1 pre-cutter
- 2 middle-cutter
- 3 post-cutter



ALFRA ROTABEST® – TCT Cutters

With Weldon shank 19.0 mm

- With Weldon shank 19.0 mm
- Internal bore: \varnothing 14 - 17 mm = 6.35 mm
 \varnothing 18 - 50 mm = 8.0 mm
- Ground section: high performance toothing with pre- middle- and post cutter
- Perfectly suitable for wear-intensive applications.
- These tools can also be used on all magnetic drilling machines with Weldon shank.

Suitable for:

all magnetic drilling machines with Weldon shank. ALFRA-Rotabest® (Weldon), ALFRA-Rota-Quick® quick-change system, on BDS, Bux, Ruko, Magnetor, Euroboor, Universal, Nitto, Jancy, Hougen, Magtron, Promac, Rotabroach, etc.

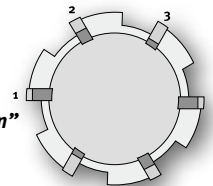


Ø in mm Cutting depth 35 mm Prod.-No.

14.0	2003014035
15.0	2003015035
16.0	2003016035
17.0	2003017035
18.0	2003018035
19.0	2003019035
20.0	2003020035
21.0	2003021035
22.0	2003022035
23.0	2003023035
24.0	2003024035
25.0	2003025035
26.0	2003026035
27.0	2003027035
28.0	2003028035
29.0	2003029035
30.0	2003030035
31.0	2003031035
32.0	2003032035
33.0	2003033035
34.0	2003034035
35.0	2003035035
36.0	-
37.0	-
38.0	-
39.0	-
40.0	-
41.0	-
42.0	-
43.0	-
44.0	-
45.0	-
46.0	-
47.0	-
48.0	-
49.0	-
50.0	-
-	-
Ejector Pin for \varnothing 14 - 17 mm, 6.35 x 87 mm	1935500
Ejector Pin for \varnothing 18 - 50 mm, 8 x 87 mm	2001500

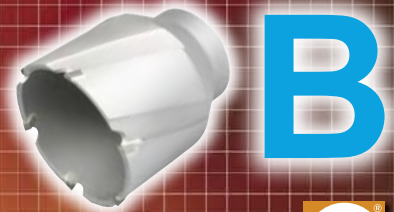
Ø in mm Cutting depth 50 mm Prod.-No.

14.0	2003014050
15.0	2003015050
16.0	2003016050
17.0	2003017050
18.0	2003018050
19.0	2003019050
20.0	2003020050
21.0	2003021050
22.0	2003022050
23.0	2003023050
24.0	2003024050
25.0	2003025050
26.0	2003026050
27.0	2003027050
28.0	2003028050
29.0	2003029050
30.0	2003030050
31.0	2003031050
32.0	2003032050
33.0	2003033050
34.0	2003034050
35.0	2003035050
36.0	2003036050
37.0	2003037050
38.0	2003038050
39.0	2003039050
40.0	2003040050
41.0	2003041050
42.0	2003042050
43.0	2003043050
44.0	2003044050
45.0	2003045050
46.0	2003046050
47.0	2003047050
48.0	2003048050
49.0	2003049050
50.0	2003050050
-	-
Ejector Pin for \varnothing 14 - 17 mm, 6.35 x 102	1950500
Ejector Pin for \varnothing 18 - 50 mm, 8 x 102 mm	2001501



ALFRA "Chip-breaker system"

- 1 pre-cutter
- 2 middle-cutter
- 3 post-cutter



ALFRA ROTABEST® – TCT Cutters

Suitable for all core drilling, pillar drilling and milling machines

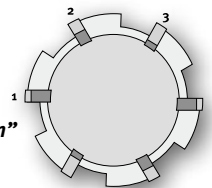


- Heavy industrial type **with keyway and feather key**
- In extensive test series, this special design with keyway and feather key has proven outstanding compared to the standard Weldon shank 32 mm. Optimal absorption of the high torsion forces.
- Ground section: high performance toothing with pre- middle- and post cutter.
- Required: Tool holder with internal cooling
 - AL 3 MT 3 Prod.-No. 20230
 - AL 4 MT 4 Prod.-No. 20240
 - AL 5 MT 5 Prod.-No. 20250
- Upon request: 100 mm cutting depth and ejector pin 8 x 160 mm Prod.-No. 2001502

Dimensions in inches available upon request



Shorter, more stable tool setup.
ALFRA Design.
High concentricity.



ALFRA "Chip-breaker system"

- 1 pre-cutter
- 2 middle-cutter
- 3 post-cutter

Ø in mm	depth 50 mm	Prod.-No.
51.0	■	2002051050
52.0	■	2002052050
53.0	■	2002053050
54.0	■	2002054050
55.0		2002055050
56.0	■	2002056050
57.0	■	2002057050
58.0	■	2002058050
59.0	■	2002059050
60.0		2002060050
61.0	■	2002061050
62.0	■	2002062050
63.0	■	2002063050
64.0	■	2002064050
65.0		2002065050
66.0	■	2002066050
67.0	■	2002067050
68.0	■	2002068050
69.0	■	2002069050
70.0		2002070050
71.0	■	2002071050
72.0	■	2002072050
73.0	■	2002073050
74.0	■	2002074050
75.0		2002075050
76.0	■	2002076050
77.0	■	2002077050
78.0	■	2002078050
79.0	■	2002079050
80.0		2002080050
81.0	■	2002081050
82.0	■	2002082050
83.0	■	2002083050
84.0	■	2002084050
85.0		2002085050
86.0	■	2002086050
87.0	■	2002087050
88.0	■	2002088050
89.0	■	2002089050
90.0		2002090050
91.0	■	2002091050
92.0	■	2002092050
93.0	■	2002093050
94.0	■	2002094050
95.0		2002095050
96.0	■	2002096050
97.0	■	2002097050
98.0	■	2002098050
99.0	■	2002099050
100.0		2002100050
■ No series production		
Ejector pin 8 x 102 mm		2001501
Tool holder AL 2/MT 2		20220
Tool holder AL 3/MT 3		20230
Tool holder AL 4/MT 4		20240
Tool holder AL 5/MT 5		20250

Advantages of ALFRA TCT Cutters, "Heavy Industrial Type"

- Perfect cutting behaviour – even at the first bore
- Excellent centering properties
- Low cutting pressure – low power input
- Vibration-free work process
- Chip separation – no jamming of the chips
- Cutting depth can be achieved in one work step
- Drilled core ejected without effort



Prod.-No. 20230

B



ALFRA ROTABEST® – TCT Cutters, RAIL

With Weldon shank 19.0 mm



- With Weldon shank 19.0 mm
- Internal bore: 6.35 mm
- Perfectly suitable for wear-intensive applications, such as drilling rails.
- Ground section: high performance toothing with pre- middle- and post cutter

Suitable for:

all portable Magnet Drilling Machines with 19 mm Weldon arbor, but especially for Rail Drilling Machines of the following makes:

- Cembre
- Erico
- KKT
- Dubuis
- Universal
- Magtron
- Rotabroach

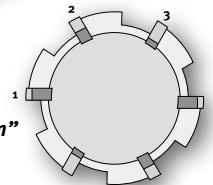
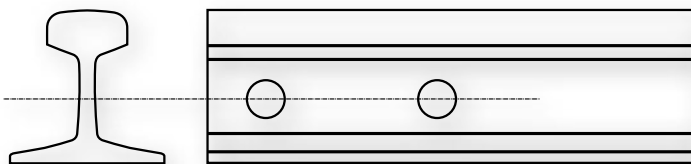


Ø in mm Cutting depth 25 mm Prod.-No.

19.0	2005019025
20.0	2005020025
21.0	2005021025
22.0	2005022025
23.0	2005023025
24.0	2005024025
25.0	2005025025
26.0	2005026025
27.5	2005027525
28.0	2005028025
30.0	2005030025
31.0	2005031025
32.0	2005032025
33.0	2005033025
34.0	2005034025
36.0	2005036025
Ejector pin 6.35 x 77 mm	1926500

Ø in mm Cutting depth 50 mm Prod.-No.

19.0	2005019050
20.0	2005020050
21.0	2005021050
22.0	2005022050
23.0	2005023050
24.0	2005024050
25.0	2005025050
26.0	2005026050
27.5	2005027550
28.0	2005028050
30.0	2005030050
31.0	2005031050
32.0	2005032050
33.0	2005033050
34.0	2005034050
36.0	2005036050
Ejector pin 6.35 x 102 mm	1950500



ALFRA "Chip-breaker system"

- 1 pre-cutter
- 2 middle-cutter
- 3 post-cutter





ALFRA – HSS Cutters suitable for FEIN + Hitachi



- 2008... with internal thread M18 x 6P 1.5.
Also suitable for Hitachi machines
- 2009... suitable for FEIN Magnet Drilling Machines with Quick IN tool holder.

Ø in mm	Prod.-No.	Prod.-No.
	M18 x 6P 1.5 Cutting Depth 50 mm	Quick IN Cutting depth 35 mm
12.0	2008012050	2009012035
13.0	2008013050	2009013035
14.0	2008014050	2009014035
15.0	2008015050	2009015035
16.0	2008016050	2009016035
17.0	2008017050	2009017035
18.0	2008018050	2009018035
19.0	2008019050	2009019035
20.0	2008020050	2009020035
21.0	2008021050	2009021035
22.0	2008022050	2009022035
23.0	2008023050	2009023035
24.0	2008024050	2009024035
25.0	2008025050	2009025035
26.0	2008026050	2009026035
27.0	2008027050	2009027035
28.0	2008028050	2009028035
29.0	2008029050	2009029035
30.0	2008030050	2009030035
31.0	2008031050	2009031035
32.0	2008032050	2009032035
33.0	2008033050	2009033035
34.0	2008034050	2009034035
35.0	2008035050	2009035035
36.0	2008036050	2009036035
37.0	2008037050	2009037035
38.0	2008038050	2009038035
39.0	2008039050	2009039035
40.0	2008040050	2009040035
41.0	2008041050	2009041035
42.0	2008042050	2009042035
43.0	2008043050	2009043035
44.0	2008044050	2009044035
45.0	2008045050	2009045035
46.0	2008046050	2009046035
47.0	2008047050	2009047035
48.0	2008048050	2009048035
49.0	2008049050	2009049035
50.0	2008050050	2009050035
51.0	2008051050	2009051035
52.0	2008052050	2009052035
53.0	2008053050	2009053035
54.0	2008054050	2009054035
55.0	2008055050	2009055035
57.0	2008057050	2009057035
58.0	2008058050	2009058035
59.0	2008059050	2009059035
60.0	2008060050	2009060035
61.0	2008061050	2009061035
62.0	2008062050	2009062035
63.0	2008063050	2009063035
64.0	2008064050	2009064035
65.0	2008065050	2009065035
Ejector pin 6.35 x 106 mm	-	1936500



Prod.-No. 2008...



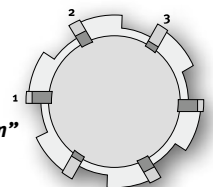
Thread adaptor M18 x 6P1.5



Prod.-No. 2009...



Prod.-No. 1936500



ALFRA "Chip-breaker system"

- 1 pre-cutter
- 2 middle-cutter
- 3 post-cutter