



www.alfra.de



PUNCHING



DRILLING



CUTTING



DEBURRING

QUALITY TOOLS AND MACHINES

100

PART B



WELCOME!

We take pride in our achievement - over 60% in-house manufacturing in four locations in Germany and a further 35.000 m² production facility in France. From our home town in the motorcar race city of Hockenheim, we ship our products on a regular basis to over 120 countries around the world. Our network of agents ensures that practically anybody - really anybody - can use our high-quality products and benefit from their various advantages.

What do we do at ALFRA? - To put it simple: We make holes!

This means, that we manufacture and sell implements, machines and tools for punching and drilling. These are mainly intended for applications in the field of metal-working, with material thickness ranging from 0.8 to more than 100 mm.

On top of that, our product range includes many supplementary items, e.g. in the field of cutting and deburring technology, etc.

Come and test us - we look forward to seeing you among our many satisfied customers.

Made in Germany - Made by ALFRA

Don't be satisfied with less!

Get our latest news from www.alfra.de.

Visit our new YouTube channel,

www.youtube.com/alfratools,

for the latest product and application videos.

Simply scan this QR code with your smartphone or tablet:



Made in Germany

JOIN US IN PROMOTING "MADE IN GERMANY", FOR REASONS WHICH ARE TODAY EVEN MORE IMPORTANT AND VALID THAN EVER BEFORE:

- JOB SECURITY
- PROMOTION OF JOB TRAINING
- COMMUNICATION
- QUALITY MANAGEMENT
- ENVIRONMENTAL AWARENESS
- SAFEGUARDING THE FUTURE





Metal Core Drilling Machines
Pages B/4 - B/19



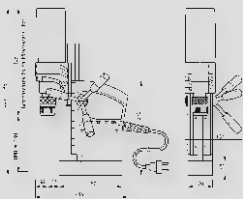
Cutters - HSS-Basic
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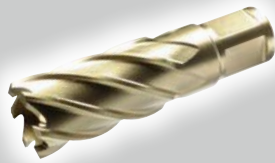
Cutters - TCT Weldon
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**Deburring Machines/
Bevel milling machines**
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Dimensions
Pages B/20 - B/21



Cutters - HSS-Co-Eco
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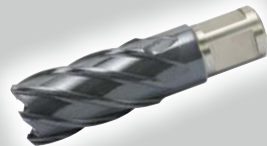
Cutters - TCT AL
Cutters - Rail TCT
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Milling Cutters
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Accessories - Arbor
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Cutters - HSS-Co RQX
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**Cutters - TCT suitable
for FEIN + Hitachi**
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Deburring Machine SKS-15 Auto
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Accessories - Counterbore/Coolant
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Cutters ASP-30 Rail
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RotaSpeed® - Metal Cutting Saw
RotaCut® - Mobile Band Saw Machine
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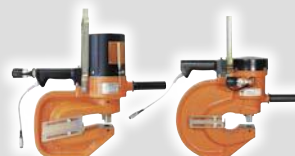
HSS-Bi-Metal- and TCT-Hole Saws
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Accessories - Tapping attachment/Drill Bits
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**Cutters - HSS-Co Eco Suitable
for FEIN + Hitachi**
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**Hydraulic Punching Units,
Single and Double Acting**
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**Multi-Step Drills
Precision Conical One-Lip Bits**
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**Accessories -
Chip remover/Pipe Clamp/Vacuum Plate**
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HSS Twist Drills with Weldon Shank
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Hydraulic Pumps
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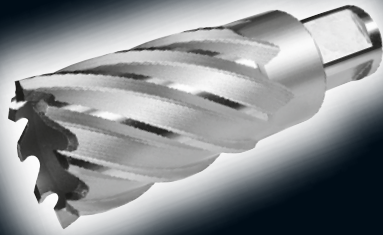
**Astroflex® Sabre Saw Blades
Sabre Saw and Jigsaw Blades**
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Metal Core Drilling with

ALFRA ROTABEST®



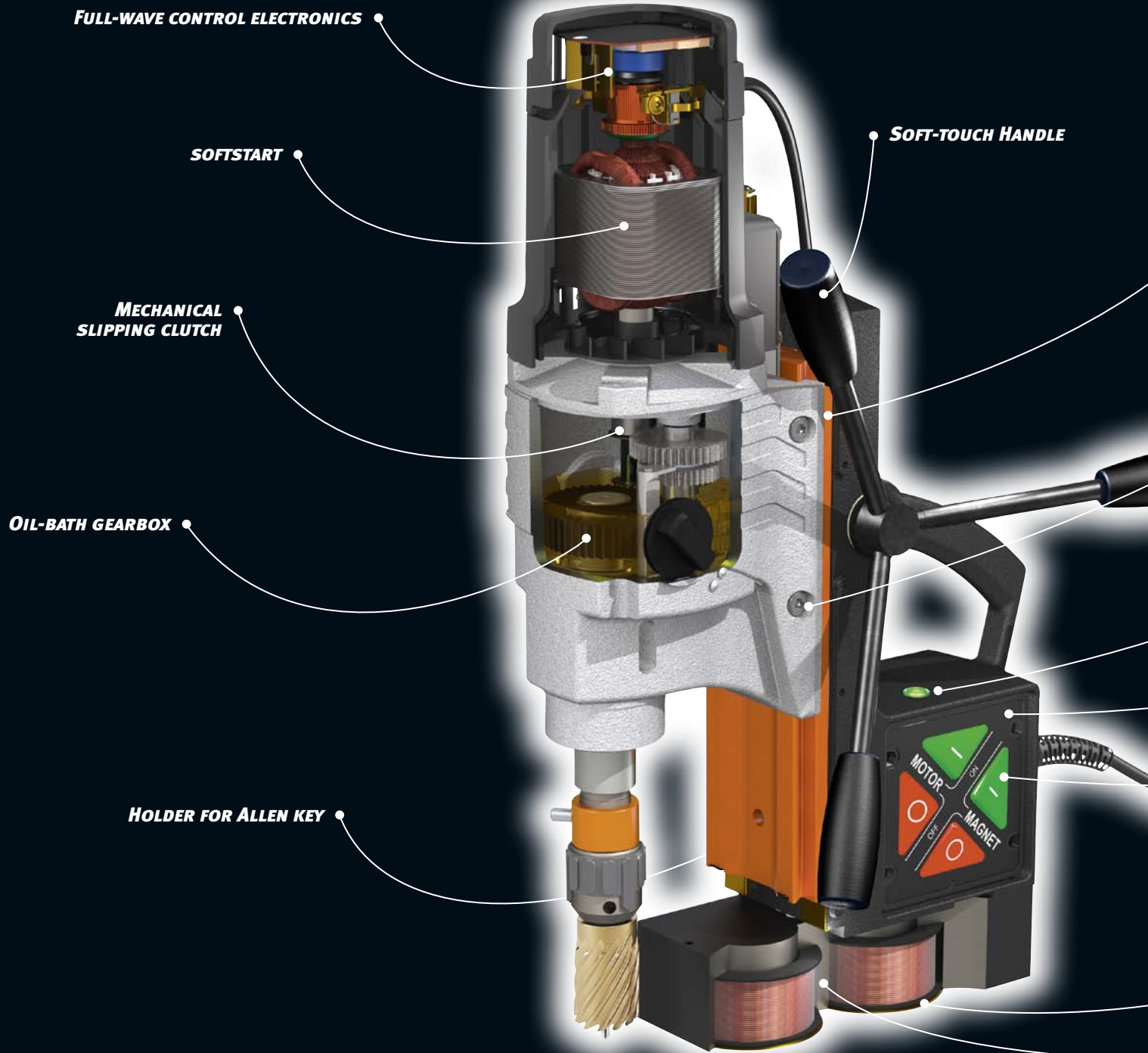
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B

Metal Core Drilling with

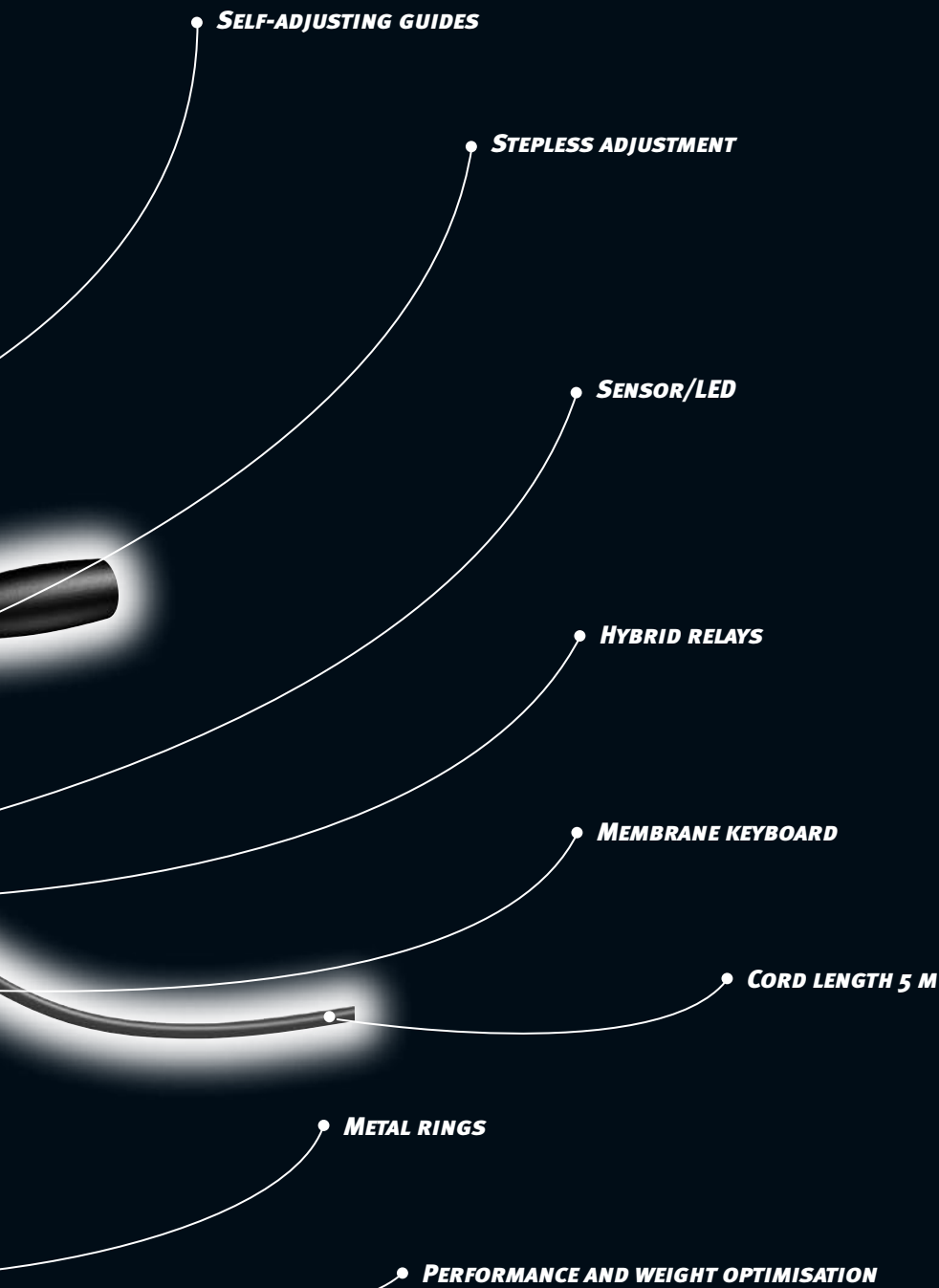
ALFRA ROTABEST®



PERFORMANCE GLOSSARY


Motor	
Smooth start	Minimises wear of motor, gearbox and electronics.
Hybrid relays	Drastically reduces contact burning on the relays. The life of the switching elements is significantly increased. Voltage fluctuations are reduced by approx. 10%.
Full-wave control electronics	Allow maximum power output from the motor.
Right/left run	Extends the range of application.

Gearbox	
Oil-bath gearbox	Reduces wear on the gearbox significantly, even under extreme conditions.
Mechanical slipping clutch	Protects the gearbox from overload and comes into action automatically.
Slide	
Stepless adjustment	The stroke can be increased continuously.
Self-adjusting guides	Self-locking comes into action automatically for perfect guiding.



B

Operation	
Soft-touch grips	Perfect "grip" on the handles - even with oily gloves.
Membrane keyboard	Perfect ergonomics with large keys. The entire keyboard is located in a protected area (even if the machine dops).
Holder for Allen key	Integrated Allen key-holder. No searching for the key.
Cord length 5 m	Extension cord and cable drums mostly not required.

Magnet	
Sensor/LED	Is there sufficient magnetic material under the drill? Are you pressing too hard, or is the tool blunt? Various LED displays on states of switching protect you and your machine.
Metal rings	Perfect protection for the magnets against penetration by metallic objects (chips, welding sputter, milling dust, etc...)
Performance and weight optimisation	Weight, dimensioning and coil sizing are ideally matched. This maximises the ToolForce (TM).
	



ALFRA ROTABEST® METAL CORE DRILLING MACHINES – OVERVIEW



RB 35 X



PICCOLO 32/50



RB 50 X



40 RL-E

Page	B/10		B/11		B/12		B/13	
Prod.-No.	230 V: 18700	110 V: 18700.110	230 V: 18500	110 V: 18500.110	230 V: 18750	110 V: 18750.110	230 V: 18611	110 V: 18611.110
Cutter dimension	Ø 12.0 - 35.0 mm		Ø 12.0 - 35.0 mm		Ø 12.0 - 50.0 mm		Ø 12.0 - 50.0 mm	
Cutting depth	50.0 mm		50.0 mm		50.0 mm		50.0 mm	
Twist drill	Ø 1.0 - 13.0 mm DIN 1897 short		Ø 1.0 - 13.0 mm DIN 338		Ø 1.0 to 16.0 mm with MT 2 quick-release chuck to Ø 20.0 mm with MT 2 DIN 345 direct		Ø 1.0 to 16.0 mm with MT 2 quick-release chuck to Ø 20.0 mm with MT 2 DIN 345 direct	
Counterbore	Ø 10.0 - 40.0 mm		Ø 10.0 - 40.0 mm		Ø 10.0 - 40.0 mm		Ø 10.0 - 40.0 mm	
Tapping	-		-		with tapping attachment: M3 - M20		with tapping chuck: M3 - M14 with tapping attachment: M3 - M20	
Arbor	19 mm Weldon shank		19 mm Weldon shank		MT2		MT 2	
Stroke	120 mm		129 mm		190 mm		170 mm	
Height adjustment	-		86 mm		100 mm		100 mm	
Gearbox – on-load speed	450 rpm.		450 rpm.		1. Gear 250 rpm. 2. Gear 450 rpm.		Right/left 1. Gear 100 - 250 rpm. 2. Gear 180 - 450 rpm.	
Power consumption	1.100 W		1.100 W		1.200 W		1.200 W	
Voltage	230 V 50/60 Hz / 110 V 50/60 Hz		230 V 50/60 Hz / 110 V 50/60 Hz		230 V 50/60 Hz / 110 V 50/60 Hz		230 V 50/60 Hz / 110 V 50/60 Hz	
Tool Force (10 mm) / magnetic holding force	2.100 N / 9.000 N		1.300 N / 8.000 N		3.500 N / 11.000 N		3.800 N / 16.000 N	
Magnet foot	70 x 185 mm		70 x 160 mm		92 x 220 mm		80 x 230 mm	
Weight	10.6 kg		10.4 kg		15.0 kg		16.0 kg	

Motor								
Smooth start	✓	-	✓	✓	✓	✓	✓	✓
Hybrid relays	✓	-	✓	✓	✓	✓	✓	✓
Full-wave control electronics	-	-	-	-	-	-	-	-
Right/left run	-	-	-	-	-	-	-	-
Gearbox								
Oil-bath gearbox	-	-	✓	✓	✓	✓	✓	✓
Mechanical slipping clutch	-	-	-	-	-	-	-	-
Slide								
Stepless adjustment	-	✓	✓	✓	✓	✓	✓	✓
Self-adjusting guides	-	-	-	-	-	-	-	-
Operation								
Soft-touch grips	✓	✓	✓	✓	✓	✓	✓	✓
Membrane keyboard	✓	✓	✓	✓	✓	✓	✓	✓
Holder for Allen key	-	-	-	-	-	-	-	-
Cord length 5 m	-	-	-	-	-	-	-	-
Magnet								
Sensor/LED	-	-	✓	✓	✓	✓	✓	✓
Metal rings	✓	✓	✓	✓	✓	✓	✓	✓
Performance and weight optimisation	✓	-	✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓	✓	✓	✓



RB 80 X



60 RL-E



100 RL-E



130



V 32

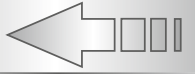
B/14		B/15		B/16		B/18		B/17	
230 V: 18780	110 V: 18780.110	230 V: 18626	110 V: 18626.110	230 V: 18634	110 V: 18634.110	230 V: 18645	110 V: 18645.110	230 V: 18710	110 V: 18710.110
Ø 12.0 - 80.0 mm / Ø 20.0 - 50.0 mm (extra long 110 mm)		Ø 12.0 - 80.0 mm / Ø 20.0 - 50.0 mm (extra long 110 mm)		Ø 12.0 - 100.0 mm / Ø 20.0 - 50.0 mm (extra long 110 mm)		Ø 12.0 - 130.0 mm / Ø 20.0 - 50.0 mm (extra long 110 mm)		Ø 12.0 - 32.0 mm	
50.0 mm / 110.0 mm		50.0 mm / 110.0 mm		50.0 mm / 110.0 mm		50.0 mm / 110.0 mm		25.0 mm	
Ø 1.0 - 16.0 mm with chuck to Ø 32.0 mm with MT 3 DIN 345		Ø 1.0 - 16.0 mm with chuck to Ø 32.0 mm with MT 3 DIN 345		Ø 1.0 - 16.0 mm with chuck to Ø 32.0 mm with MT 3 DIN 345		to Ø 45.0 mm with MT 4 DIN 345		-	
Ø 10.0 - 55.0 mm		Ø 10.0 - 55.0 mm		Ø 10.0 - 55.0 mm		Ø 10.0 - 80.0 mm		Ø 10.0 - 32.0 mm	
with tapping attachment: to M30		with tapping chuck: to M30 with tapping attachment: to M30		with tapping chuck: to M30 with tapping attachment: to M30		with tapping attachment: to M42		-	
MT3		MT 3		MT 3		MT 4		19 mm Weldon	
190 mm		190 mm		245 mm		230 mm		-	
100 mm		60 mm		116 mm		100 mm		-	
1. Gear	110 rpm.	1. Gear	right/left 50 - 110 rpm.	1. Gear	right/left 50 - 110 rpm.	1. Gear	30 - 80 rpm.	450 rpm.	
2. Gear	175 rpm.	2. Gear	75 - 175 rpm.	2. Gear	75 - 175 rpm.	2. Gear	50 - 120 rpm.		
3. Gear	245 rpm.	3. Gear	105 - 245 rpm.	3. Gear	105 - 245 rpm.	3. Gear	130 - 350 rpm.		
4. Gear	385 rpm.	4. Gear	165 - 385 rpm.	4. Gear	165 - 385 rpm.	4. Gear	210 - 550 rpm.		
1.800 W		1.800 W		2.500 W (230 V) 2.400 W (110 V)		2.500 W		900 W	
230 V 50/60 Hz / 110 V 50/60 Hz		230 V 50/60 Hz / 110 V 50/60 Hz		230 V 50/60 Hz / 110 V 50/60 Hz		230 V 50/60 Hz / 110 V 50/60 Hz		230 V 50/60 Hz / 110 V 50/60 Hz	
4.000 N / 13.000 N		4.200 N / 20.000 N		4.000 N / 20.000 N		5.000 N / 32.000 N		- / 16.000 N	
92 x 220 mm		80 x 230 mm, 30° adjustable, right and left, 10 mm front and rear		80 x 230 mm, 30° adjustable, right and left, 10 mm front and rear		90 x 400 mm		95 x 200 mm	
19.5 kg		22.0 kg		28.0 kg		34.5 kg		12.5 kg	

✓	-	-	-	Compact, horizontal
✓	-	-	-	
-	✓	✓	-	
-	✓	✓	-	
✓	✓	✓	✓	Compact mitre gear
✓	✓	✓	✓	
✓	✓	✓	-	2-sided pillar guidance
✓	-	-	-	
✓	✓	✓	✓	Space-saving – via ratchet
✓	✓	✓	✓	
✓	-	-	-	
✓	-	-	-	
✓	-	-	-	-
✓	✓	✓	✓	
✓	-	-	-	
✓	✓	✓	✓	



ALFRA ROTABEST® - RB 35 X

35 mm



DRILLING RANGE UP TO Ø 35 MM

RB 35 X

Cutter dimension	Ø 12.0 - 35.0 mm
Cutting depth	50.0 mm
Twist drill	Ø 1.0 - 13.0 mm DIN 1897 short
Counterbore	Ø 10.0 - 40.0 mm
Tapping	-
Arbor	19 mm Weldon shank
Stroke	120 mm
Height adjustment	-
1-speed gearbox On-load speed	450 rpm.
Power consumption	1.100 W
Voltage	230 V 50/60 Hz / 110 V 50/60 Hz
Tool Force (10 mm) / magnetic holding force	2.100 N / 9.000 N
Magnet foot	70 x 185 mm
Weight	10.6 kg

Motor	
Smooth start	✓
Hybrid relays	✓
Operation	
Soft-touch grips	✓
Membrane keyboard	✓
Magnet	
Metal rings	✓
Performance and weight optimisation	✓
	✓



Scope of Supply:

- Metal core drilling machine RB 35 x
- Carrying case
- Safety belt
- Coolant equipment
- Operating manual

Prod.-No.

ALFRA Rotabest® RB 35 X	230 Volt	18700
ALFRA Rotabest® RB 35 X	110 Volt	18700.110



ALFRA ROTABEST® - PICCOLO 32/50



35 mm

DRILLING RANGE UP TO Ø 35 MM



PICCOLO 32/50

Cutter dimension	Ø 12.0 - 35.0 mm
Cutting depth	50.0 mm
Twist drill	Ø 1.0 - 13.0 mm DIN 338
Counterbore	Ø 10.0 - 40.0 mm
Tapping	-
Arbor	19 mm Weldon shank
Stroke	129 mm
Height adjustment	86 mm
1-speed gearbox On-load speed	450 rpm.
Power consumption	1.100 W
Voltage	230 V 50/60 Hz / 110 V 50/60 Hz
Tool Force (10 mm) / magnetic holding force	1.300 N / 8.000 N
Magnet foot	70 x 160 mm
Weight	10.4 kg

Slide	
Stepless adjustment	✓
Operation	
Soft-touch grips	✓
Membrane keyboard	✓
Magnet	
Metal rings	✓
	✓

Scope of Supply:

- Metal core drilling machine Piccolo 32/50
- Carrying case
- Safety belt
- Coolant equipment
- Operating manual

Prod.-No.

ALFRA Rotabest® Piccolo 32/50	230 Volt	18500
ALFRA Rotabest® Piccolo 32/50	110 Volt	18500.110



ALFRA ROTABEST®-RB 50 X


50 mm



DRILLING RANGE UP TO Ø 50 MM

RB 50 X

Cutter dimension dimension	Ø 12.0 - 50.0 mm
Cutting depth	50.0 mm
Twist drill	Ø 1.0 to 16.0 mm with MT 2 quick-release chuck to Ø 20.0 mm with MT 2 DIN 345 direct
Counterbore	Ø 10.0 - 40.0 mm
Tapping	with tapping attachment: M3 - M20
Arbor	MT2
Stroke	190 mm
Height adjustment	100 mm
2-speed gearbox On-load speed	1. Gear 250 rpm. 2. Gear 450 rpm.
Power consumption	1.200 W
Voltage	230 V 50/60 Hz / 110 V 50/60 Hz
Tool Force (10 mm) / magnetic holding force	3.500 N / 11.000N
Magnet foot	92 x 220 mm
Weight	15.0 kg

Motor	
Smooth start	✓
Hybrid relays	✓
Gearbox	
Oil-bath gearbox	✓
Slide	
Stepless adjustment	✓
Self-adjusting guides	✓
Operation	
Soft-touch grips	✓
Membrane keyboard	✓
Holder for Allen key	✓
Cord length 5 m	✓
Magnet	
Sensor/LED	✓
Metal rings	✓
Performance and weight optimisation	✓
	✓



Scope of Supply:

- Metal core drilling machine RB 50 x
- MT 2 tool holder with no internal cooling (Prod.-No. 18001)
- Carrying case
- Safety belt
- Operating manual

Prod.-No.

ALFRA Rotabest® RB 50 X	230 Volt	18750
ALFRA Rotabest® RB 50 X	110 Volt	18750.110

Accessories:

Coolant container	189412029
Tool holder AMT 2 with internal cooling	18003



ALFRA ROTABEST®-40 RL-E



50 mm

DRILLING RANGE UP TO Ø 50 MM



Scope of Supply:

- Metal core drilling machine 40 RL-E
- Carrying case
- Coolant equipment
- Drilling spray
- Quick-release chuck, 1 to 16 mm, MT 2
- Chip hook
- Safety belt
- Operating manual

40 RL-E

Cutter dimension	Ø 12.0 - 50.0 mm
Cutting depth	50.0 mm
Twist drill	Ø 1.0 to 16.0 mm with MT 2 quick-release chuck to Ø 20.0 mm with MT 2 DIN 345 direct
Counterbore	Ø 10.0 - 40.0 mm
Tapping	with tapping chuck: M3 - M14 with tapping attachment: M3 - M20
Arbor	MT 2
Stroke	170 mm
Height adjustment	100 mm
2-speed gearbox	right/left 1. Gear 100 - 250 rpm. 2. Gear 180 - 450 rpm.
Power consumption	1.200 W
Voltage	230 V 50/60 Hz / 110 V 50/60 Hz
Tool Force (10 mm) / magnetic holding force	3.800 N / 16.000 N
Magnet foot	80 x 230 mm
Weight	16.0 kg

Motor	
Smooth start	✓
Full-wave control electronics	✓
Right/left run	✓
Gearbox	
Oil-bath gearbox	✓
Mechanical slipping clutch	✓
Slide	
Stepless adjustment	✓
Operation	
Soft-touch grips	✓
Membrane keyboard	✓
Magnet	
Metal rings	✓
	✓

Prod.-No.

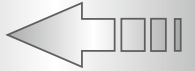
ALFRA Rotabest® 40 RL-E	230 Volt	18611
ALFRA Rotabest® 40 RL-E	110 Volt	18611.110

B



ALFRA ROTABEST®-RB 80 X

80 mm



DRILLING RANGE UP TO Ø 80 MM

RB 80 X

Cutter dimension	Ø 12.0 - 80.0 mm / Ø 20.0 - 50.0 mm (extra long 110 mm)
Cutting depth	50.0 mm / 110.0 mm
Twist drill	Ø 1.0 - 16.0 mm with chuck to Ø 32.0 mm with MT 3 DIN 345
Counterbore	Ø 10 - 55.0 mm
Tapping	with tapping attachment: to M30
Arbor	MT3
Stroke	190 mm
Height adjustment	100 mm
4-speed gearbox On-load speed	1. Gear 110 rpm. 2. Gear 175 rpm. 3. Gear 245 rpm. 4. Gear 385 rpm.
Power consumption	1.800 W
Voltage	230 V 50/60 Hz / 110 V 50/60 Hz
Tool Force (10 mm) / magnetic holding force	4.000 N / 13.000 N
Magnet foot	92 x 220 mm
Weight	19.5 kg

Motor	
Smooth start	✓
Hybrid relays	✓
Gearbox	
Oil-bath gearbox	✓
Mechanical slipping clutch	✓
Slide	
Stepless adjustment	✓
Self-adjusting guides	✓
Operation	
Soft-touch grips	✓
Membrane keyboard	✓
Holder for Allen key	✓
Cord length 5 m	✓
Magnet	
Sensor/LED	✓
Metal rings	✓
Performance and weight optimisation	✓
	✓



Scope of Supply:

- Metal core drilling machine RB 80 x
- AMT 3 tool holder with no internal cooling (Prod.-No. 18002)
- Carrying case
- Safety belt
- Operating manual

		Prod.-No.
ALFRA Rotabest® RB 80 X	230 Volt	18780
ALFRA Rotabest® RB 80 X	110 Volt	18780.110
Accessories:		
Coolant container		189412029
Tool holder AMT 3 with internal cooling		18025



ALFRA ROTABEST® - 60 RL-E



80 mm

DRILLING RANGE UP TO Ø 80 MM



Scope of Supply:

- Metal core drilling machine 60 RL-E
- Carrying case
- Coolant equipment
- Drilling spray
- Quick-release chuck, 1 to 16 mm, MT 3
- Chip hook
- Safety belt
- Operating manual

60 RL-E	
Cutter dimension	Ø 12.0 - 80.0 mm / Ø 20.0 - 50.0 mm (extra long 110 mm)
Cutting depth	50.0 mm / 110.0 mm
Twist drill	Ø 1.0 - 16.0 mm with chuck to Ø 32.0 mm with MT 3 DIN 345
Counterbore	Ø 10 - 55.0 mm
Tapping	with tapping chuck: to M30 with tapping attachment: to M30
Arbor	MT 3
Stroke	190 mm
Height adjustment	60 mm
4-speed gearbox	right/left 1. Gear 50 - 110 rpm. 2. Gear 75 - 175 rpm. 3. Gear 105 - 245 rpm. 4. Gear 165 - 385 rpm.
Power consumption	1.800 W
Voltage	230 V 50/60 Hz / 110 V 50/60 Hz
Tool Force (10 mm) / magnetic holding force	4.200 N / 20.000 N
Magnet foot	80 x 230 mm, 30° adjustable, right and left, 10 mm front and rear
Weight	22.0 kg

Motor	
Full-wave control electronics	✓
Right/left run	✓
Gearbox	
Oil-bath gearbox	✓
Mechanical slipping clutch	✓
Slide	
Stepless adjustment	✓
Operation	
Soft-touch grips	✓
Membrane keyboard	✓
Magnet	
Metal rings	✓
	✓

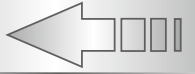
Prod.-No.

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



ALFRA ROTABEST®-100 RL-E

100 mm



DRILLING RANGE UP TO Ø 100 MM

100 RL-E

Cutter dimension	Ø 12.0 - 100.0 mm / Ø 20.0 - 50.0 mm (extra long 110 mm)
Cutting depth	50.0 mm / 110.0 mm
Twist drill	Ø 1.0 - 16.0 mm with chuck to Ø 32.0 mm with MT 3 DIN 345
Counterbore	Ø 10.0 - 55.0 mm
Tapping	with tapping chuck: to M30 with tapping attachment: to M30
Arbor	MT 3
Stroke	245 mm
Height adjustment	116 mm
4-speed gearbox	right/left 1. Gear 50 - 110 rpm. 2. Gear 75 - 175 rpm. 3. Gear 105 - 245 rpm. 4. Gear 165 - 385 rpm.
Power consumption	2.500 W (230 V) 2.400 W (110 V)
Voltage	230 V 50/60 Hz / 110 V 50/60 Hz
Tool Force (10 mm) / magnetic holding force	4.000 N / 20.000 N
Magnet foot	80 x 230 mm, 30° adjustable, right and left, 10 mm front and rear
Weight	28.0 kg

Motor	
Full-wave control electronics	✓
Right/left run	✓
Gearbox	
Oil-bath gearbox	✓
Mechanical slipping clutch	✓
Slide	
Stepless adjustment	✓
Operation	
Soft-touch grips	✓
Membrane keyboard	✓
Magnet	
Metal rings	✓
	✓



Scope of Supply:

- Metal core drilling machine 100 RL-E
- Carrying case
- Coolant equipment
- Chip hook
- Safety belt
- Drilling spray
- Quick-release chuck

Prod.-No.

ALFRA Rotabest® 100 RL-E	230 Volt	18634
ALFRA Rotabest® 100 RL-E	110 Volt	18634.110



ALFRA ROTABEST®-V32



32 mm

DRILLING RANGE UP TO Ø 32 MM



V32	
Core drill	Ø 12.0 - 32.0 mm
Cutting depth	25.0 mm
Counterbore	Ø 10.0 - 32.0 mm
Arbor	19 mm Weldon
1-speed gearbox	450 rpm.
Power consumption	900 W
Voltage	230 V 50/60 Hz / 110 V 50/60 Hz
Tool Force (10 mm) / magnetic holding force	- / 16.000 N
Magnet foot	95 x 200 mm
Weight	12.5 kg

Motor	
Compact, horizontal	
Gearbox	
Compact mitre gear	
Slide	
2-sided pillar guidance	
Operation	
Space-saving – via ratchet	
Magnet	
Metal rings	✓
Performance and weight optimisation	✓
	✓

Scope of Supply:

- Metal core drilling machine V 32
- Coolant pressure flask
- Carrying case
- Allen key for Weldon shank
- Safety belt
- HSS Co cutter Ø 18 mm, cutting depth 25 mm
- Ejector pin 6.35 x 74 mm (specially for Rotabest® V32)
- Operating manual

Prod.-No.

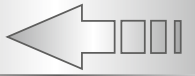
ALFRA Rotabest® V32	230 Volt	18710
ALFRA Rotabest® V32	110 Volt	18710.110

B



ALFRA ROTABEST®-130

130
mm



DRILLING RANGE UP TO Ø 130 MM



B

SICHERHEITSHINWEISE

SAFETY ADVICE

CONSULTE DE SÉCURITÉ

AVISO DE SEGURIDAD



130
mm

DRILLING RANGE UP TO Ø 130 MM



Scope of Supply:

- Metal core drilling machine 130
- Carrying case
- Coolant container
- Chip hook
- Safety belt
- Operating manual

130	
Cutter dimension	Ø 12.0 - 130.0 mm / Ø 20.0 - 50.0 mm (extra long 110 mm)
Cutting depth	50.0 mm / 110.0 mm
Twist drill	to Ø 45.0 mm with MT 4 DIN 345
Counterbore	Ø 10.0 - 80.0 mm
Tapping	with tapping attachment: To M42
Arbor	MT 4
Stroke	230 mm
Height adjustment	100 mm
4-speed gearbox	1. Gear 30 - 80 rpm. 2. Gear 50 - 120 rpm. 3. Gear 130 - 350 rpm. 4. Gear 210 - 550 rpm.
Power consumption	2,500 W
Voltage	230 V 50/60 Hz / 110 V 50/60 Hz
Tool Force (10 mm) / magnetic holding force	5,000 N / 32,000 N
Magnet foot	90 x 400 mm
Weight	34.5 kg

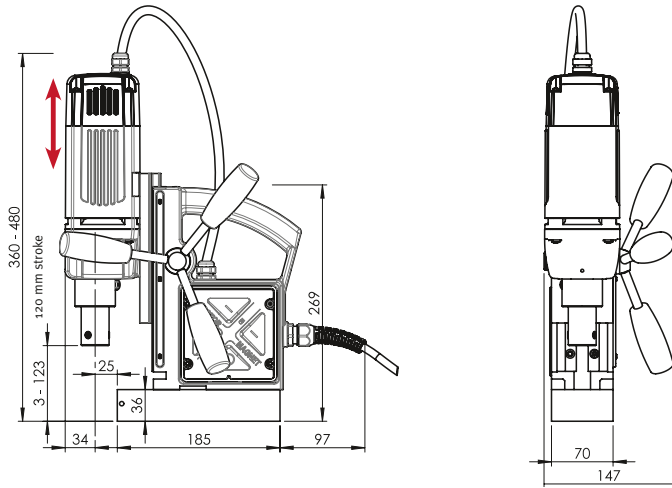
Gearbox	
Oil-bath gearbox	✓
Mechanical slipping clutch	✓
Operation	
Soft-touch grips	✓
Membrane keyboard	✓
Magnet	
Metal rings	✓
	✓

Prod.-No.

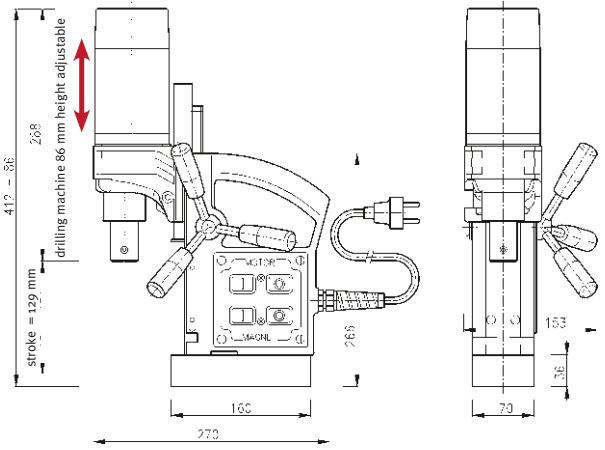
ALFRA Rotabest® 130	230 Volt	18645
ALFRA Rotabest® 130	110 Volt	18645.110



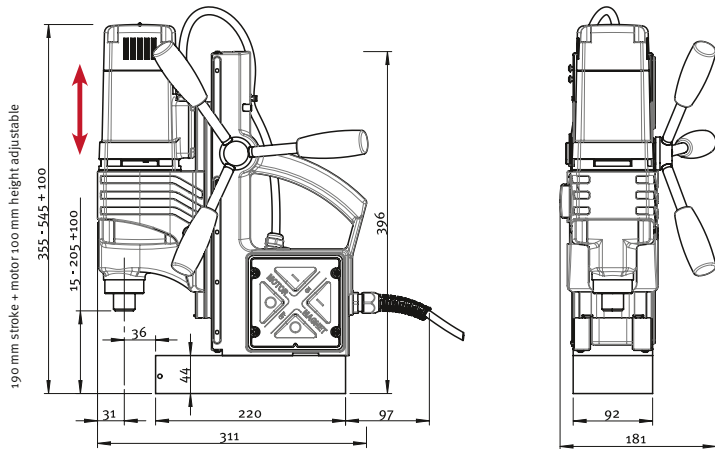
RB 35 X



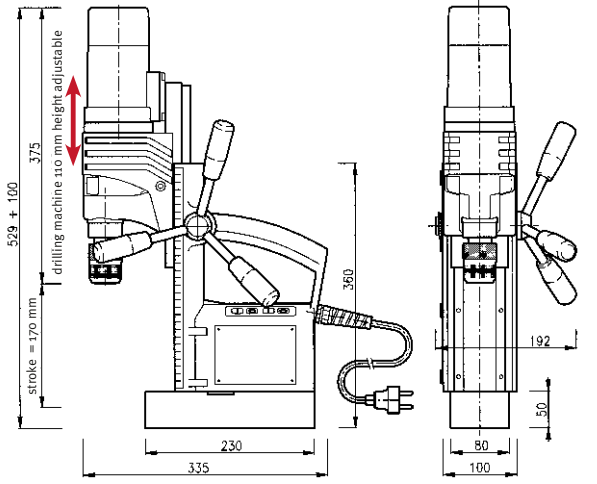
Piccolo 32/50



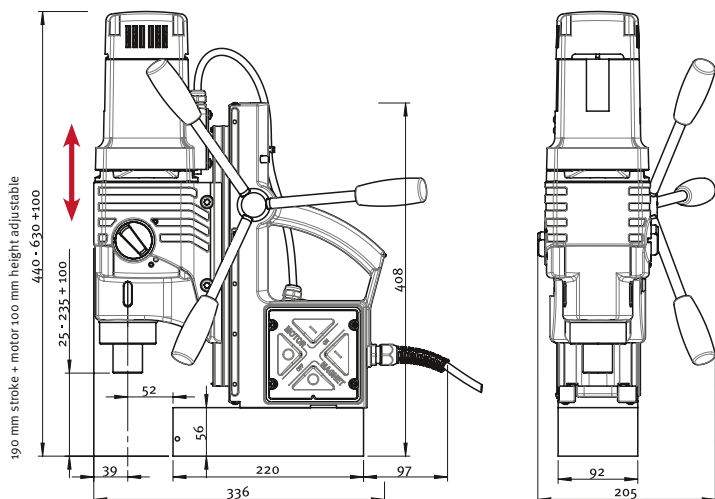
RB 50 X



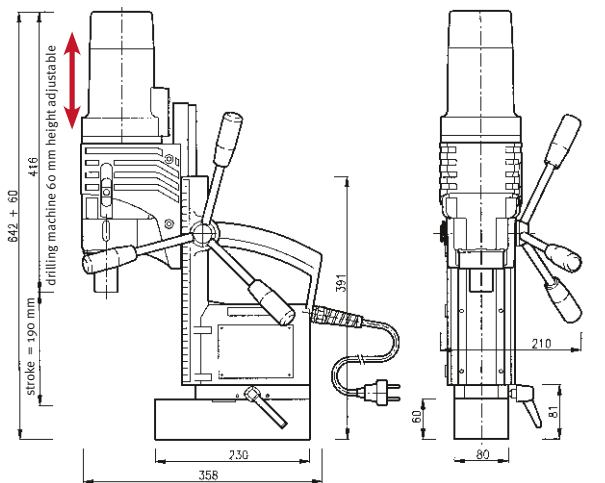
40 RL-E



RB 80 X



60 RL-E

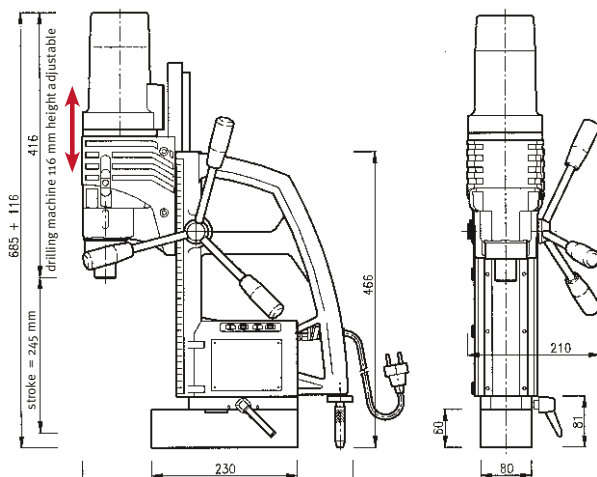




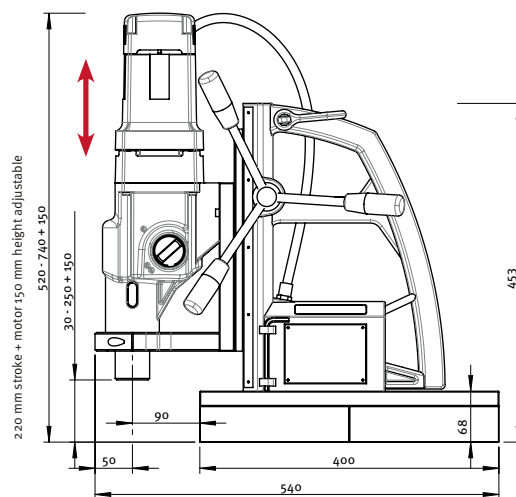
MACHINE DIMENSIONS - ALFRA ROTABEST®



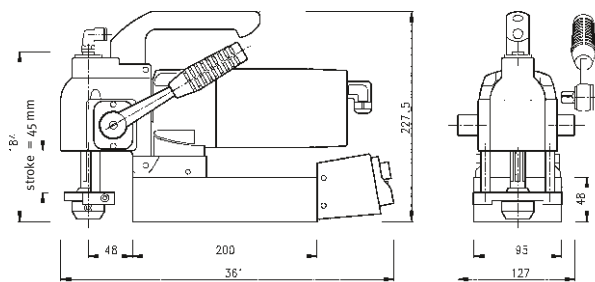
100 RL-E



130











V 32



B



ACCESSORIES = ARBORS

Description	Prod.-No.	RB 35 X Piccolo 32/50	RB 50 X 40 RL-E	RB 80 X 60 RL-E	100 RL-E	
Quick-release chuck with Weldon shank for twist drill Ø 1 - 13 mm	18107	■				 Prod.-No. 18107
Quick-release chuck with Morse taper 2 for twist drill Ø 1 - 16 mm	18008		■	■ With Adapter sleeve MT 3/2	■ With Adapter sleeve MT 3/2	 Prod.-No. 18008 / 18009
Quick-release chuck with Morse taper 3 for twist drill Ø 1 - 16 mm	18009			■	■	 Prod.-No. 18003 / 18025
AMT-2 tool holder – Morse taper 2 for cutter With Weldon shank Ø 12 - 60 mm With automatic internal cooling – Suitable for all machines with MT 2 drill spindle	18003		■	■ With Adapter sleeve MT 3/2	■ With Adapter sleeve MT 3/2	 Prod.-No. 18001 / 18002
AMT-2 tool holder with no internal cooling	18001		■	■ With Adapter sleeve MT 3/2	■ With Adapter sleeve MT 3/2	 Prod.-No. 18023
MT 3/2 adapter sleeve	18023			■	■	
AMT-3 tool holder with no internal cooling	18002		■	■		
AMT-3 tool holder – Morse taper 3 for cutter with Weldon shank Ø 12 - 60 mm with automatic internal cooling – suitable for all machines with MT 3 drill spindle	18025		■	■		 Prod.-No. 18025L
AMT-3 tool holder – extended version with Weldon shank Ø 12 - 50 mm, cutting depth 110 mm with automatic internal cooling – suitable for all machines with MT 3 drill spindle	18025L			■	■	
AL3 tool holder - Morse taper 3 for heavy-duty cutters, Ø 51 - 100 mm, with keyway with automatic internal cooling	20230			■	■	 Prod.-No. 20230
Rota-Quick ® quick-change tool-holder Morse taper 2 with automatic internal cooling – suitable for all machines with MT 2 drill spindle Application range up to maximum 40 mm of cutter Ø	18650		■	■ With Adapter sleeve MT 3/2	■ With Adapter sleeve MT 3/2	 Prod.-No. 18650 + 18651
Rota-Quick ® quick-change tool-holder Morse taper 3 with automatic internal cooling – suitable for all machines with MT 3 drill spindle Application range up to maximum 40 mm of cutter Ø	18651			■	■	

B



ACCESSORIES – ADAPTORS

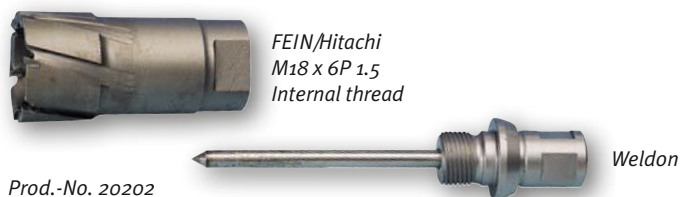


- You use FEIN Magnet Drilling Machines?
- You do not want to do without ALFRA Rotabest® Cutters?
- No Problem – we have the suitable adaptors

Prod.-No. 20201
 Adapter with internal thread, M18 x 6P 1.5
 Adapter for use with Rotabest® HSS-Co-Eco and HSS-Co RQX cutters with Ø 12.0 - 32.0 mm and Rotabest carbide-cutters with Ø 14.0 - 32.0 mm on: FEIN core drilling machines, type KBM 542



Prod.-No. 20202
 Adapter with external thread (incl. ejector pin)
 Adapter for use with FEIN cutters with internal thread, M18 x 6P 1.5 on metal core drilling machines with Weldon shank.



Prod.-No. 20203
 Ejector pin suitable for Prod.-No. 20202 – individual

Prod.-No. 20204
 Adapter
 Adapter for use with all cutters with Weldon shank on Fein Quick IN quick-change system.



This adapter eliminates the need to use our HSS-Eco cutter series prod.-no. 1909... and 2009...

Prod.-No. 1950500
 Ejector pin for HSS cutter cutting depth 25 mm
Prod.-No. 1975500
 Ejector pin for HSS cutter cutting depth 50 mm

Prod.-No. 20206
 Extension adapter
 With Weldon shank and ejector pin.



For use with cutters with 25 – 35 – 50 mm cutting depths, when the outer surface of the material to be drilled is lower than the standing surface of the machine. The first ejector pin triggers the second ejector pin, and the coolant flows through the bore hole to the cutter.

Total length of adapter: 80 mm
 Diameter: 30 mm
 Ejector pin: 6.35 x 77 mm Prod.-No. 1926500

Prod.-No. 20210
 Adapter cpl. with ejector pin + Allen key
 Adapter for use with cutters with FEIN-Quick IN shank on metal core drilling machines with Weldon holder.



Prod.-No. 1936501
 Replacement ejector pin (for adapter only) 6.35 x 125 mm

Prod.-No. 060WD
 Adapter for carbide-tipped compass saws, type MBS on metal core drilling machines with Weldon holder (including ejector pin Prod.-No. 1950500)



B



ACCESSORIES – COUNTERBORE // COOLANT

Description	Prod.-No.	RB 35 X Piccolo 32/50	RB 50 X 40 RL-E	RB 80 X 60 RL-E	100 RL-E
HSS taper and deburring counterbore with Weldon shank Ø 25 mm	18533	■	■ With tool holder 18003/18025 18650+18651	■ With tool holder 18003/18025 18650+18651	■ With tool holder 18003/18025 18650+18651
HSS taper and deburring counterbore with Weldon shank Ø 30 mm	18536	■	■ With tool holder 18003/18025 18650+18651	■ With tool holder 18003/18025 18650+18651	■ With tool holder 18003/18025 18650+18651
HSS taper and deburring counterbore with Weldon shank Ø 40 mm	18534	■	■ With tool holder 18003/18025 18650+18651	■ With tool holder 18003/18025 18650+18651	■ With tool holder 18003/18025 18650+18651
HSS taper and deburring counterbore with Weldon shank Ø 55 mm	18537			■	■
Coolant system for Piccolo 32/50, 40 RL-E, 60 RL-E, 100 RL-E, 130	18104	■	■	■	■
Coolant system for RB 35 X	189311241	■			
Coolant system for RB 50 X and 80 X Suitable for tool holder with internal cooling AMT-2 (Prod.-No. 18003) and AMT-3 (Prod.-No. 18025)	189412029		■	■	
Coolant pressure bottle, 0.5 litre suitable for Rotabest® V32	18103				
ALFRA 2000 Cutting and drilling spray Tin, 405 ml	21010				
ALFRA 4000 High-performance cutting oil spray Tin, 300 ml	21040				
High-performance wax crayon Ideal for core-drilled holes in walls or ceilings (overhead drilling), as paste adheres to the cutting edge.	09012				



Prod.-No. 18533



Prod.-No. 18104



Prod.-No. 189311241



Prod.-No. 189412029



Prod.-No. 18103



Prod.-No. 21010, 21040, 09012



ACCESSORIES – TAPPING



Description	Shank	Prod.-No.
Tapping attachment M3 - M12 Scope of Supply: With Rota-Quick® and MT 2, replaceable, plastic case, operating manual	MT2 + RotaQuick®	18652
Tapping attachment M10 - M20 Scope of Supply: with Rota-Quick® and MT 2, replaceable, plastic case, operating manual	MT2 + RotaQuick®	18653
Adapter sleeve for Tapping attachment		18023

RB 50 X	RB 80 X	100
■	■ With Adapter sleeve MT 3/2	■ With Adapter sleeve MT 3/2
■	■ With Adapter sleeve MT 3/2	■ With Adapter sleeve MT 3/2



Prod.-No. 18652 + 18653



Prod.-No. 18023

Tapping chuck with quick-change inserts for Rotabest® RL-E, models with right/left rotation.

Tapping set Gr. 1 in wooden case Consisting of: Tapping quick-change chuck Gr. 1 MT 2 Per 1 x quick-change insert Gr. 1 M3 – M4 – M5 – M6 – M8 – M10 – M12 – M14	18660
Tapping set Gr. 2 in wooden case Consisting of: Tapping quick-change chuck Gr. 2 MT 3 Per 1 x quick-change insert Gr. 2 M6 – M8 – M10 – M12 – M14 – M16 – M18 – M20 – M22	18680
Tapping quick-change chuck Gr. 1 MT 2, individual	18661
Tapping quick-change chuck Gr. 2 MT 3, individual	18681



Prod.-No. 18680

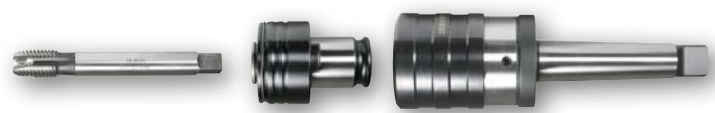


Prod.-No. 18682 (M6)

Prod.-No. 18681

Tap Collets with clutch

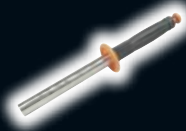
	Shank Ø	Square	Screw tap	
Gr. 1 M3	3.5	2.7	DIN 371	18662
Gr. 1 M4	4.5	3.4	DIN 371	18663
Gr. 1 M5	6.0	4.9	DIN 371	18664
Gr. 1 M6	6.0	4.9	DIN 371	18678
Gr. 1 M8	8.0	6.2	DIN 371	18665
Gr. 1 M10	10.0	8.0	DIN 371	18666
Gr. 1 M12	9.0	7.0	DIN 376	18667
Gr. 1 M14	11.0	9.0	DIN 376	18668
Gr. 2 M6	6.0	4.9	DIN 371	18682
Gr. 2 M8	8.0	6.2	DIN 371	18683
Gr. 2 M10	10.0	8.0	DIN 371	18684
Gr. 2 M12	9.0	7.0	DIN 376	18685
Gr. 2 M14	11.0	9.0	DIN 376	18686
Gr. 2 M16	12.0	9.0	DIN 376	18687
Gr. 2 M18	14.0	11.0	DIN 376	18688
Gr. 2 M20	16.0	12.0	DIN 376	18689
Gr. 2 M22	18.0	14.5	DIN 376	18690



Prod.-No. 18681 – See assembly instructions



B



ALFRA - MAGNETIC CHIP REMOVER

Based on a magnet moving in a stainless cylindrical pipe. The powerful magnet attracts the metal chips - pull the rod on top and the chips fall off. For greater cleanliness on your worksite.

Prod.-No.

ALFRA magnetic chip remover, length 400 mm

18654



Prod.-No. 18654





ACCESSORIES – MECHANICAL PIPE-FIXING SYSTEM



For all types

Description

For application on round surfaces.
Our mechanical attachment for clamping pipes with tension chains enables the use of Magnetic Core Drilling Machines on pipes from Ø 80 mm. The adjustment is carried out by means of clamping jaws. For pipes of various Ø.

Prod.-No.

Attachment for Clamping Pipes with 1 tension chain Ø 80 - 300 mm
Base plate for magnet foot 100 x 235 mm, Weight 7.5 kg

18019

Attachment for Clamping Pipes with 2 tension chains Ø 80 - 900 mm
Base plate for magnet foot 100 x 280 mm, Weight 12 kg

18020

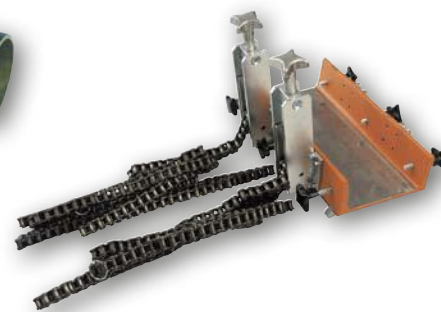
Attachment for Clamping Pipes with tension belt Ø 80 - 900 mm
Base plate for magnet foot 100 x 235 mm, Weight 6.5 kg

18021

Tension range with double tension belt up to 2000 mm pipe Ø on request Prod.-No. 18022



Prod.-No. 18019



Prod.-No. 18020



Prod.-No. 18021

ROTABEST® – VACUBEST VACUUM ATTACHMENT

For all types

Description

Vacuum Attachment Vacubest

Prod.-No.

18150

Application on **non-magnetic** surfaces such as aluminium, copper, brass, stainless steel, plastics, structured materials (e.g. bulb or checker plate)

Vacuum capacity: 1.5 m³/h - 25 l/min.
Max vacuum: 200 mbar (abs)
Overpressure: 300 mbar
Dimension of vacuum plate: 400 x 200 mm

Scope of Supply:

Pump (230 V, 50Hz), vacuum plate, vacuum hose 3m

TIP:

Name your application problem - we will be pleased to advise.



Vacuum plate



Pump



B

Metal Core Cutters have got a name

ALFRA ROTABEST®



- ▶ HSS-BASIC
- ▶ HSS-CO-Eco
- ▶ HSS-CO RQX COATED
- ▶ ASP-30 RAIL
- ▶ TWIST DRILL WITH WELDON SHANK



B

Advantages of ALFRA ROTABEST® Cutters

- Design** Specially designed cutting geometry
- Advantages**
- Immediate centering
 - No running off center
 - Good concentricity
 - Suitable for NC and CNC machines

**35 years of
manufacturing expertise**

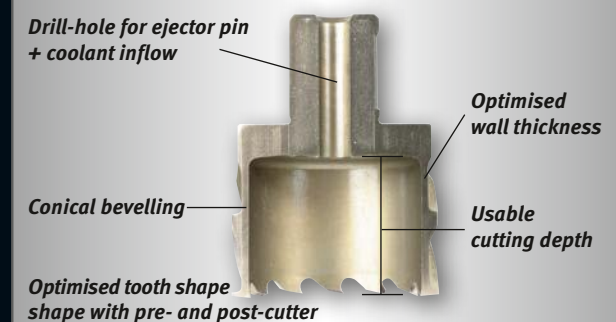
- Design** Optimum regular chip break
- Advantages**
- Smooth cutting
 - Excellent cutting capacity
 - Good chip production at each tooth
 - Regular chip flow

- Design** Minimum cross section of chip removing surface
- Advantages**
- Easy cutting
 - Low torque
 - Minimum demand for energy

- Design** High tooth hardness due to optimum raw material and special heat treatment
- Advantages**
- Long tool life
 - Also suitable for material difficult to cut

- Design** High tenacity of cutter, specially graduated hardness
- Advantages**
- Low risk of tool break, especially under rough working conditions

- Industrial scale manufacturing by state-of-the-art CNC technology**
- Best reproducibility
 - Constant quality





ALFRA ROTABEST® – HSS BASIC CUTTERS

With 19.0 mm Weldon shank

- With 19.0 mm Weldon shank, 2 clamping surfaces, 1 counterbore for RotaQuick®
- Internal bore 6.35 mm
- Steel quality: Special super-high performance high-speed steel
- Polished section: with pre- and post-cutting

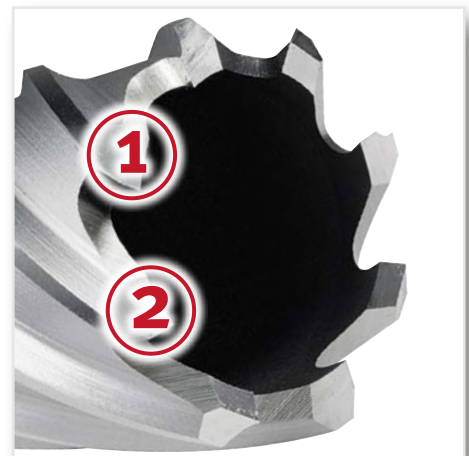
Suitable for:

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

Ø in mm Cutting depth	Prod.-No.	Prod.-No.
	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
Dimensions	6.35 x 77	6.35 x 102



Counterbore for RotaQuick® Weldon



High-performance tooting with pre- (1) and post-cutting (2)





ALFRA ROTABEST® – HSS BASIC CUTTER SETS



With 19.0 mm Weldon shank

- An assortment of commonly used cutters in a sturdy plastic case.
- Effective protection for the teeth during rough use during assembly and in the workshop.
- Upon request we can make individual sets with diameters ranging from Ø 12.0 mm to 30.0 mm.

Dimensions in inches available upon request



Prod.-No. 1907125

HSS BASIC Cutter Set

Cutting depth **25 mm**

Prod.-No.

1907125

3-pc cutter set:

comprising 1 x Ø 14.0 - 18.0 - 22.0 mm

In a robust box

Including 1 ejector pin Prod.-No. 1926500

HSS BASIC Cutter Set

Cutting depth **25 mm**

Prod.-No.

1907003025

6-pc cutter set:

comprising 1 x Ø 12.0 - 14.0 - 16.0 - 18.0 - 20.0 - 22.0 mm

in a sturdy case

including 1 ejector pin Prod.-No. 1926500



Prod.-No. 1907003025

HSS BASIC Cutter Set

Cutting depth **25 mm**

Prod.-No.

1907001025

10-pc cutter set:

Comprising Ø 2 x 14.0 - 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 a sturdy case

Including 2 ejector pins Prod.-No. 1926500



Prod.-No. 1907001025

HSS BASIC Cutter Set

Cutting depth **50 mm**

Prod.-No.

1907003050

6-pc cutter set:

comprising 1 x Ø 14.0 - 16.0 - 18.0 - 20.0 - 22.0 - 26.0 mm

in a sturdy case

including 1 ejector pin Prod.-No. 1950500



Prod.-No. 1907003050

HSS BASIC Cutter Set

Cutting depth **50 mm**

Prod.-No.

1907001050

10-pc cutter set:

Comprising 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 a sturdy case

including 2 ejector pins Prod.-No. 1950500



Prod.-No. 1907001050

B



ALFRA ROTABEST® – HSS-Co-Eco CUTTERS

With 19.0 mm Weldon shank

Dimensions in inches available upon request

- With 19.0 mm Weldon shank, 2 clamping surfaces, 1 counterbore for RotaQuick®
- Internal bore 6.35 mm
- Steel quality: Special high-capacity speed steel, cobalt
- Polished section: with pre- and post-cutting

Suitable for:

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

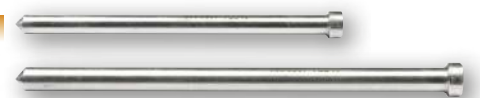
Ø in mm	Prod.-No.	Prod.-No.	Prod.-No.	Prod.-No.*
Cutting depth	25 mm	35 mm	50 mm	110 mm
12.0	1901012025	1901012035	1901012050	–
13.0	1901013025	1901013035	1901013050	–
13.5	1901013525	–	1901013550	–
14.0	1901014025	1901014035	1901014050	–
15.0	1901015025	1901015035	1901015050	–
15.5	1901015525	–	1901015550	–
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 pin	1926500	1935500	1950500	2001502
Dimensions	6.35 x 77	6.35 x 87	6.35 x 102	8 x 160



Counterbore for RotaQuick® Weldon



High-performance tooting with pre- (1) and post-cutting (2)



* Important: HSS-Co-Eco cutters with a cutting depth of 110 mm can now be used with AMT 2 L (Prod.-No. 18003 L) or AMT 3 L (Prod.-No. 18025 L) tool holders.



ALFRA ROTABEST® – HSS-Co-Eco CUTTER SETS



With 19.0 mm Weldon shank

- An assortment of commonly used cutters in a sturdy plastic case.
- Effective protection for the teeth during rough use during assembly and in the workshop.
- Upon request we can make individual sets with diameters ranging from Ø 12.0 mm to 30.0 mm.

Dimensions in inches available upon request



Prod.-No. 1901125

HSS-Co-Eco Cutter Set

Cutting depth **25 mm**

Prod.-No.

1901125

3-pc cutter set:
comprising 1 x Ø 14.0 - 18.0 - 22.0 mm
in a robust box
including 1 ejector pin Prod.-No. 1926500

HSS-Co-Eco Cutter Set

Cutting depth **25 mm**

Prod.-No.

1901003025

6-pc cutter set:
comprising 1 x Ø 12.0 - 14.0 - 16.0 - 18.0 - 20.0 - 22.0 mm
in a sturdy case
including 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:
comprising 1 x 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 a sturdy case
including 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:
comprising 1 x Ø 14.0 - 16.0 - 18.0 - 20.0 - 22.0 - 26.0 mm
in a sturdy case
including 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:
Comprising 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 a sturdy case
including 2 ejector pins Prod.-No. 1950500



Prod.-No. 1901001050

B



ALFRA ROTABEST® – HSS-Co CUTTERS RQX COATED

With 19.0 mm Weldon shank

- With 19.0 mm Weldon shank, 2 clamping surfaces, 1 counterbore for RotaQuick®
- Internal bore 6.35 mm
- Steel quality: Special super-high performance high-speed steel cobalt, **coated**
- Polished section: with pre- and post-cutting

Suitable for:

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



Counterbore 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 tooting with pre- (1) and post-cutting (2)





ALFRA ROTABEST® – HSS-Co CUTTER RQX SETS



With 19.0 mm Weldon shank

- An assortment of commonly used cutters in a sturdy plastic case.
- Effective protection for the teeth during rough use during assembly and in the workshop.
- Upon request we can make individual sets with diameters ranging from Ø 12.0 mm to 30.0 mm.

Dimensions in inches available upon request

HSS-Co Cutter RQX Set

Cutting depth **25 mm**

Prod.-No.

1902003025

6-pc cutter set:
comprising 1 x Ø 12.0 - 14.0 - 16.0 - 18.0 - 22.0 - 26.0 mm
in a plastic case
including 1 ejector pin Prod.-No. 1926500

Prod.-No. 1902003025



HSS-Co Cutter RQX Set

Cutting depth **25 mm**

Prod.-No.

1902001025

10-pc cutter set:
comprising Ø 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 case
including 2 ejector pins Prod.-No. 1926500

Prod.-No. 1902001025



HSS-Co Cutter RQX Set

Cutting depth **50 mm**

Prod.-No.

1902003050

6-pc cutter set:
comprising 1 x Ø 14.0 - 16.0 - 18.0 - 20.0 - 22.0 - 26.0 mm
In a plastic case
including 1 ejector pin Prod.-No. 1950500

Prod.-No. 1902003050



HSS-Co Cutter RQX Set

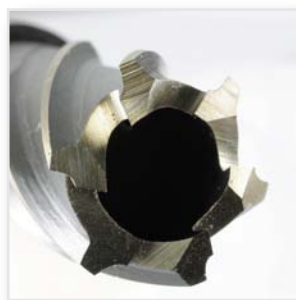
Cutting depth **50 mm**

Prod.-No.

1902001050

10-pc cutter set:
comprising 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 plastic case
including 2 ejector pins Prod.-No. 1950500

Prod.-No. 1902001050



HSS-Co cutter with special geometries for processing stacked metal plates (multi-layer drill) upon request! (Standard-cutters are not suitable for this purpose.)

B



ALFRA ROTABEST® - ASP-30 RAIL



With 19.0 mm Weldon shank

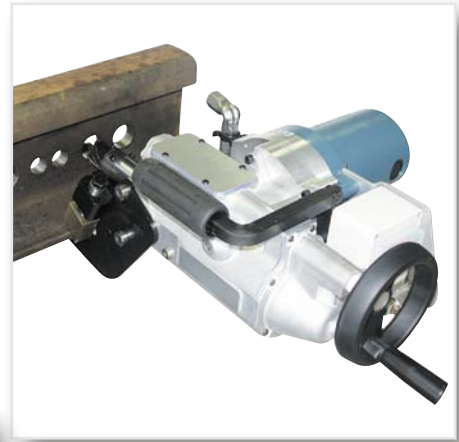
- With 19.0 mm Weldon shank,
- Internal bore 6.35 mm
- Steel quality: Powder-metallurgical based cobalt high-performance high-speed steel with optimal purity and improved toughness compared to traditional powder steel.
- Excellently suitable for intensive-use applications such as on railway tracks.
- These tools can also be used on all magnet drilling machines, especially with Weldon shank.

Suitable for:

All portable magnetic drilling machines with 19 mm Weldon shank, especially for rail drilling units from the following manufacturers:

- 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

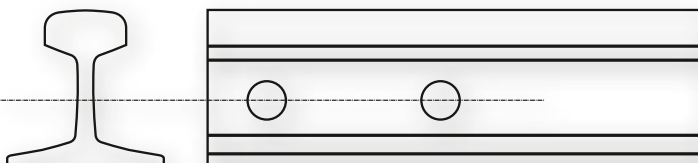


Tip:

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

And another tip:

ASP-60 for "impossible" drilling applications upon request.





ALFRA – HSS-Co-Eco CUTTERS FOR FEIN-QUICKIN



Suitable for FEIN magnetic drilling machines

- Suitable for FEIN magnetic drilling machines with Quick IN arbor.
- You are using FEIN magnetic drilling machines and do not want to do without your ALFRA-Rotabest® cutters? Take a look at our selection of HSS and carbide-tipped cutters suitable for the various types of FEIN machines.
- Special shank, 18.0 mm with 4 bearing 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 KBM 32 Q, KBM 50 Q, KBM 65 Q, KBM 65 QF Quick-IN quick-change systems



Prod.-No. 1936500



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



High-performance toothing with pre- and post-cutting

B

ALFRA – HSS-Co-Eco CUTTERS SUITABLE FOR FEIN + HITACHI

- Threaded arbor, internal thread, M18 x 6P 1.5.
- Also compatible with 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





HSS-TWIST DRILLS

With 19.0 mm Weldon shank

- Suitable for magnetic drilling machines with Weldon shank.
- Ideal for drilling smaller diameters, $\lt; \varnothing 12 \text{ mm}$.

HSS twist drill

\varnothing in mm HSS twist drill with Weldon shank

Prod.-No.

6.0	0802606
8.0	0802608
9.0	0802609
10.0	0802610
11.0	0802611
12.0	0802612

Prod.-No. 0802606



Prod.-No. 0802608



Prod.-No. 0802609



Prod.-No. 0802610



Prod.-No. 0802611



Prod.-No. 0802612



HSS twist drill set

6-pc HSS twist drill set with Weldon shank
comprising 1 x \varnothing 6.0 - 8.0 - 9.0 - 10.0 - 11.0 - 12.0 mm
In a plastic case

Prod.-No.

08026



Prod.-No. 08026

B

Metal Core Cutters have got a name

ALFRA ROTABEST®

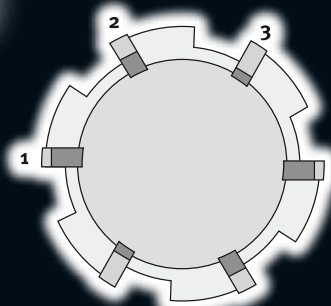
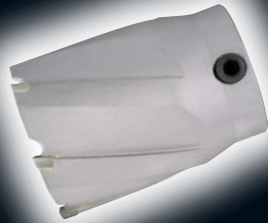


► CARBIDE-TIPPED

Applicable on magnetic and column drills. For structural steels, difficult-to-machine materials such as chrome-nickel steels and for non-ferrous metals such as aluminium or Cu-Zn alloys, and much more.

Advantages of ALFRA ROTABEST® TCT Cutters

- High concentricity due to solid design
- CAD-optimised cutting geometry for steady flow of chips
- Uniquely shaped chip grooves to prevent chip jamming
- Instant centring
- No running off center
- Minimal torque
- Low energy consumption
- Rapid drill core removal by ejector pin
- Extended tool life



ALFRA "Chip-Breaker System"

Extremely precise drilling in 3 simple steps.

- 1 Pre-cutter
- 2 Middle cutter
- 3 Post-cutter



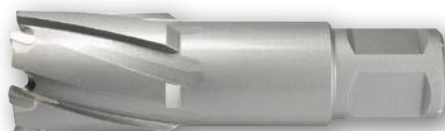
ALFRA ROTABEST® – TGT CUTTERS

With 19.0 mm Weldon shank

- With 19.0 mm Weldon shank,
- Internal bore: $\varnothing 14 - 17 \text{ mm} = 6.35 \text{ mm}$
 $\varnothing 18 - 50 \text{ mm} = 8.0 \text{ mm}$
- Polished section: pre-, middle- and post-cutters
- For the highest standards in cutting and lifespan.

Suitable for:

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

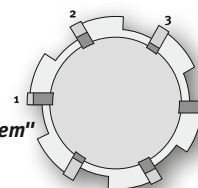


\varnothing in mm Cutting depth 35 mm Prod.-No.

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 $\varnothing 14 - 17 \text{ mm}$, 6.35 x 87 mm	1935500
Ejector pin for $\varnothing 18 - 50 \text{ mm}$, 8 x 87 mm	2001500

\varnothing 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 $\varnothing 14 - 17 \text{ mm}$, 6.35 x 102	1950500
Ejector pin for $\varnothing 18 - 50 \text{ mm}$, 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

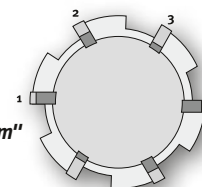
- Heavy industry design with **keyway and feather key**
- Long-term tests series have shown that this specialised design with keyway and feather key has proved outstanding compared to a standard 32 mm Weldon shank. Optimal containment of high torsion forces.
- Polished section: pre-, middle- and post-cutters.
- 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, cutting depth of 100 mm with ejector pin 8 x 160 mm Prod.-No. 2001502

Dimensions in inches available upon request



Shorter and sturdier tool design. ALFRA design. Excellent running precision.



ALFRA "Chip-Breaker System"

- 1 Pre-cutter
- 2 Middle cutter
- 3 Post-cutter

Ø in mm	Cutting 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 mass production		
Ejector pin 8 x 102 mm		2001501
AL 2/MT 2 tool holder		20220
AL 3/MT 3 tool holder		20230
AL 4/MT 4 tool holder		20240
AL 5/MT 5 tool holder		20250

Advantages of "Heavy Industry Design" ALFRA TCT Cutters

- Perfect cutting behaviour – even at the first drill-hole
- Excellent centring properties
- Low cutting pressure – low power use
- Vibration-free working
- Chip distribution – no chip jamming
- Drilling depth can be reached in a single operation
- Drill core can be easily ejected



Prod.-No. 20230



ALFRA ROTABEST® – TGT CUTTERS RAIL

With 19.0 mm Weldon shank



- With 19.0 mm Weldon shank,
- Internal bore 6.35 mm
- For the highest standards in cutting and lifespan when drilling railway tracks
- Polished section: pre-, middle- and post-cutters

Suitable for:

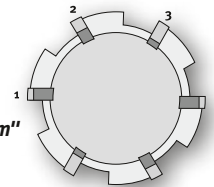
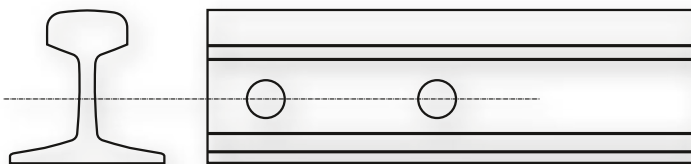
All portable magnetic drilling machines with 19 mm Weldon shank, especially for rail drilling units from the following manufacturers:

- 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 - TGT CUTTERS SUITABLE FOR FEIN + HITACHI



- 2008... with Threaded arbor, internal thread, M18 x 6P 1.5.
- Also compatible with Hitachi machines.
- 2009... with Quick IN Arbor.
- Suitable for FEIN magnetic drilling machines with Quick IN arbor.

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...



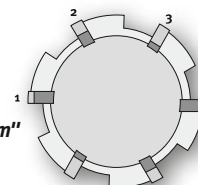
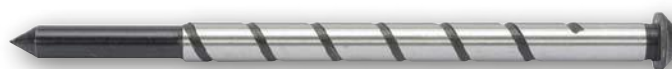
Threaded arbor, M18 x 6P1,5



Prod.-No. 2009...



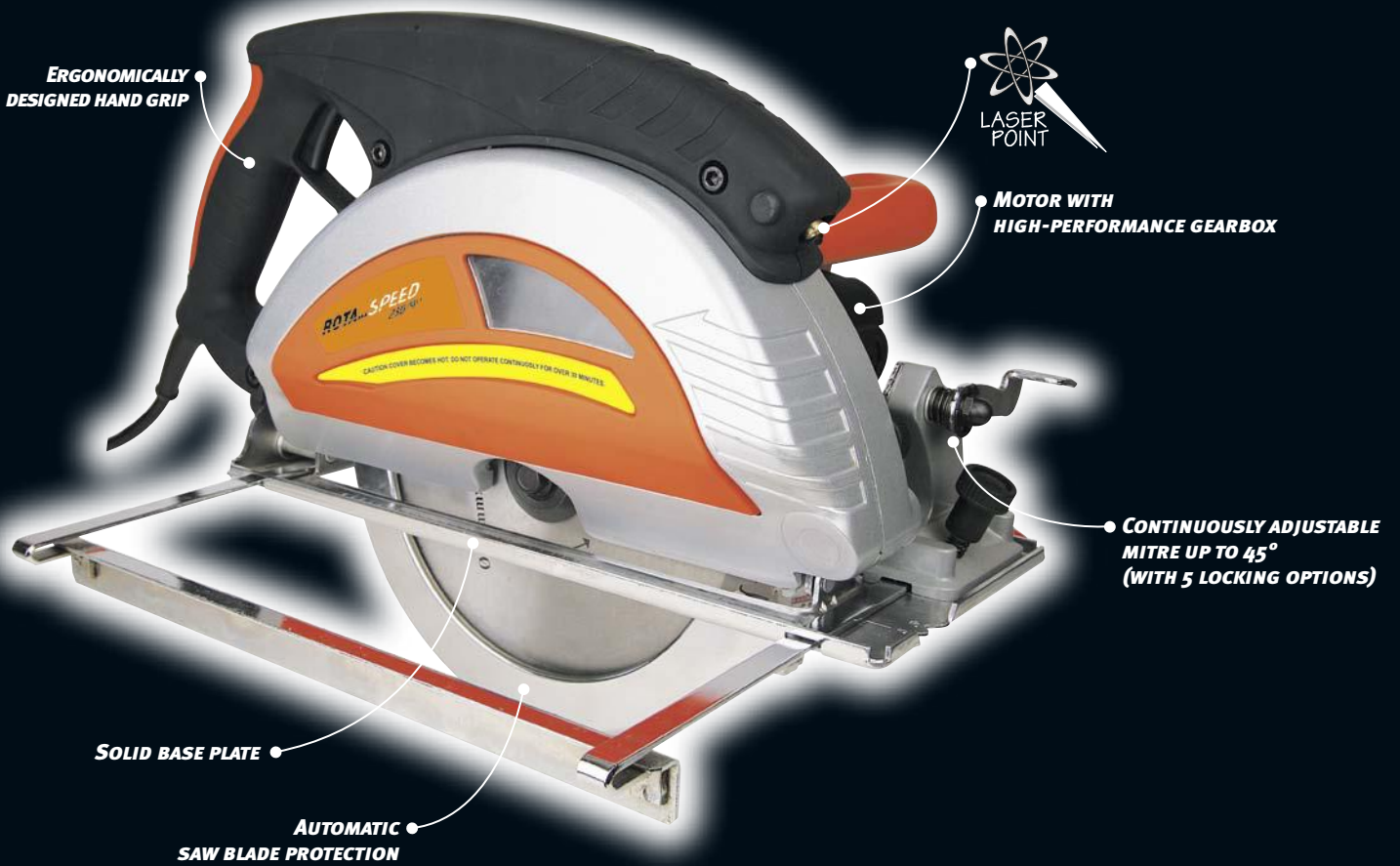
Prod.-No. 1936500



ALFRA "Chip-Breaker System"

- 1 Pre-cutter
- 2 Middle cutter
- 3 Post-cutter

B



ERGONOMICALLY
DESIGNED HAND GRIP



LASER
POINT

MOTOR WITH
HIGH-PERFORMANCE GEARBOX

CONTINUOUSLY ADJUSTABLE
MITRE UP TO 45°
(WITH 5 LOCKING OPTIONS)

SOLID BASE PLATE

AUTOMATIC
SAW BLADE PROTECTION

SAFETY SWITCH



TOOL-LESS
CUTTING HEIGHT ADJUSTMENT

SPINDLE LOCK FOR
EASY SAW BLADE REPLACEMENT





ALFRA-ROTA SPEED® – METAL CIRCULAR SAW RS 230A



Hand-operated

The ideal machine for construction sites and workshops, for low-burr cutting without cooling.

For rapid, clean cuts in tubes, threaded rods, profiles, cable ducts, corrugated and trapezoid sheeting, sandwich sheets, drywall profiles and much more.

The advantages at a glance:

- 1.800 Watt high-performance motor for exact cutting without cooling.
- Quick, easy saw-blade change.
- Continuously adjustable cutting depth up to 82 mm.
- The saw shoe can be adjusted for mitre cuts of up to 45°.
- Chip collection container.
- The ideal machine for side assembly companies, facade builders, repair shops, locksmitheries, rack builders, roofers, booth builders, welding shops, and heating and ventilation contractors.
- Ideal applicable where angle grinders are not strong enough, or clean enough.
- Mitre cutting also makes it deal for weld preparation.
- With optical laser for proper alignment of cuts.



Prod.-No. 22411

ALFRA RotaSpeed® RS 230A

Saw blade diameter:	230 (9")
Saw blade arbor:	25.4 mm (1")
Rating:	1.800 Watt
RPM min ⁻¹ :	2.700
Mitre:	0 - 45°
Cutting capacity, mm 0°:	82
Cutting capacity, mm 45°:	56
Max. material thickness (dependent on material):	8 mm
Volt:	230 - 50 Hz
Weight:	9.8 kg



Prod.-No. 22411

Alfra RotaSpeed® RS 230A

Scope of Supply:

Machine with 2 TCT Saw blades (premium quality), operating manual, rip fence, tool set, spacer piece for saw blade arbor, carrying case.

B



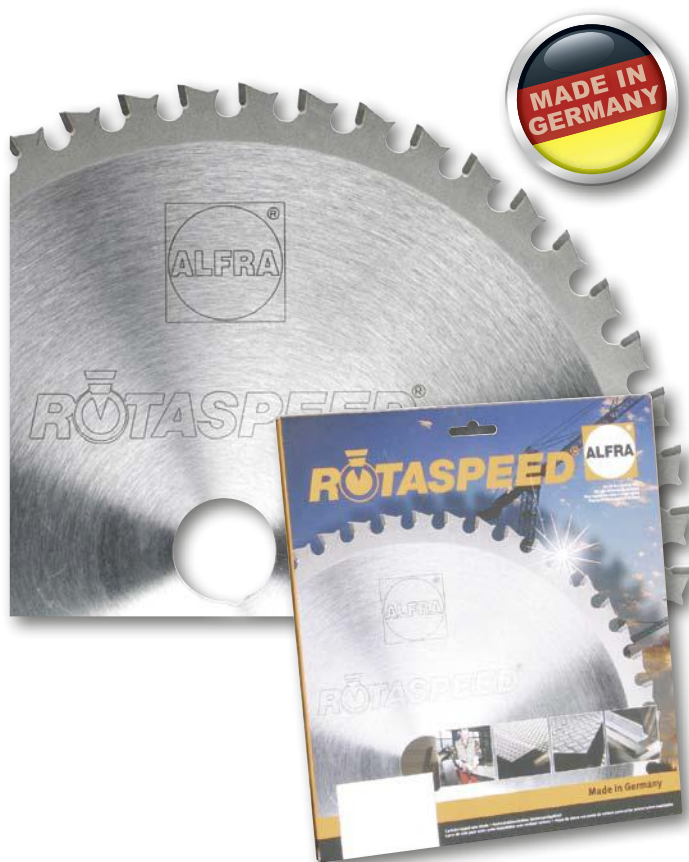
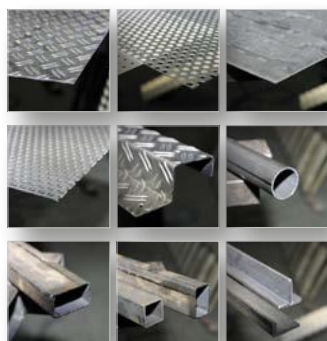
ALFRA-CIRCULAR SAW BLADES – ROTASPEED®

Carbide-tipped • Made in Germany

- Tungsten carbide tipped, suitable for metal cutting saws from: ALFRA, Flex, Euroboor, Evolution, Hitech, Jepson, Metallkraft, Ridgid, etc.
- These special TCT circular saws ensure fast and clean cuts in pipes, threaded rods, profiles, corrugated and trapezoidal sheets, wire ducts, sandwich panels, dry mortarless construction profiles, fastening profiles (DIN rails), grates using dry cutting method.
- For use on metals, CrNi steel*, aluminium.
- High cutting performance and tool life. The excellent price/performance ratio makes these saws highly economical.
- The corresponding manufacturer's machine guidelines and notes on use must be observed when using these saw blades.

Premium quality

Cutting- Ø mm	Application	Dimensions mm	No. of teeth	Prod.-No.
180/7"	Steel	180 x 20	34	22205
200/8"	Steel	200 x 20	42	22255
230/9"	Steel	230 x 25.4	48	22305
230/9"	Aluminium	230 x 25.4	62	22306
230/9"	For trapezoid sheeting	230 x 25.4	80	22307



MAGNETIC CHIP REMOVER

In a stainless steel round rod, you can move a magnet back and forth. The strong magnet picks up metal chips - pull a knob and the chips fall off. For more cleanliness in the work place.

Prod.-No.
18654

ALFRA magnetic chip remover, length 400 mm



Prod.-No. 18654





ALFRA-ROTA DRY® – METAL DRY CUTTER 355



Overwhelming quality, performance and price:

- for low-burr cutting of profiles and tubes, in steel, iron, copper, brass, aluminium, plastics, composites and stainless steel with no cooling.
- for use in applications such as metal-working, in joineries, for interior construction, etc.
- with depth adjustment for precise cutting
- angle and rip fence for mitre cuts of up to 45°
- with removable chip collection box
- with arbor adjustment for changing the saw blade
- easy to transport

ALFRA RotaDry® 355

Motor	230 V/50 Hz	
Power consumption	2.200 W	
RPM	1.300 min ⁻¹	
Cutting area 90°	13 mm wall thickness	180 x 105 mm ☐
Cutting area 90°	13 mm wall thickness	120 x 120 mm ☐
Cutting area 90°	13 mm wall thickness	135 mm ∅
Cutting area 45°	13 mm wall thickness	110 x 100 mm ☐
Cutting area 45°	13 mm wall thickness	100 x 100 mm ☐
Cutting area 45°	13 mm wall thickness	105 mm ∅
Saw blade diameter	355 mm	
Weight	23 kg	



Prod.-No. 22420

Alfra RotaDry® 355, with 1 TCT Saw blade 72 T	Prod.-No. 22420
---	---------------------------

Accessories:

Robust prismatic jaws The ideal assistant, especially when cutting tubes with thin walls	22421
Work table RCT 6542	22601



Prod.-No. 22601

Spare TCT saw blades

Also suitable for cutters such as:

Jepson/Global/Ridgid/Ryobi

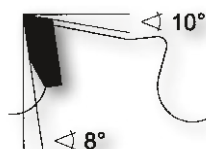
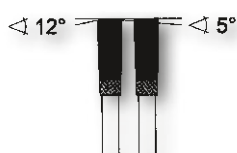
The universal TCT Saw blade for rapid cutting in:

Steel – Copper – Aluminium – Profiles – Cables – Sheeting – Solid materials

- without coolant
- regrindable
- low noise thanks to laser ornaments

Dimensions		Steel	Stainless steel	Prod.-No.
305 x 2.2 x 25.4 mm	60 T	•		32100
305 x 2.2 x 25.4 mm	80 T	•		32101
355 x 2.4/2.0 x 25.4 mm	72 T	•		32108
355 x 2.6 x 25.4 mm	80 T	•		32103
355 x 2.6 x 25.4 mm	90 T	•		32102
355 x 2.6 x 25.4	90 T	coated	•	32105

Other tooth counts upon request.



355 x 2.6 x 25.4 • 90 Z • coated

B



ALFRA ROTACUT®

BAND SAW BLADE TENSIONING
WITH OVERLOAD PROTECTION

ERGONOMICALLY-SHAPED
HANDLE

CLAMPING VICE

TORSION-FREE,
PRECISION-MILLED SAW FRAME

HIGH-PERFORMANCE
SINGLE-PHASE-MOTOR

CONTINUOUSLY ADJUSTABLE
MITRE CUT 0 - 45° (60°)

ROBUST BASE WITH FEET



Portable Band Saw Machines for Professionals

There is a variety of portable band saw machines, but only a few of them are suitable for industrial applications or at a construction site. Pricing is usually being more important than reliability and durability.

Our new machines have an excellent price-performance-ratio and are setting new standards. The robust and compact design makes it ideal for handling in the machine shop or the construction site.

Ideally qualified for locksmiths, plumbing, metal-, heating-, pipeline- and mechanical workshops. Also for construction companies, public utilities with or without mobile workshops, power stations, schools, technical learning and teaching facilities.

Special features:

- Fully portable
- For mitre cuts 0 - 45° (60°) continuously adjustable
- Extremely rapid saw belt replacement
- Secure material tensioning
- Robust high-performance motor, RPM continuously adjustable (also ideal for stainless steel)
- Adjustable ball-bearing belt-guide for exact, precise angle-cutting
- Patented belt-tensioning with overload protection



Practical carrying handle



Mitring, continuously adjustable to 45° (60°)



Fine-tuned, adjustable belt guide



Patented belt-tensioning



ALFRA BAND SAW-RC105



Prod.-No. 22600

Band saw RC 105

Prod.-No.
22600

Band saw RC 105

Technical specifications:

Single-phase motor	950 W
Voltage	230 Volt
Cutting speed	30 to 80 min ⁻¹
(continuously adjustable with thermal and overload protection)	
Mitring	0 - 45°
Belt dimensions	1.335 x 13 x 0.65 mm
Weight	16 kg

Scope of Supply:

- Portable Band Saw Machine RC 105 - 230 V
- Complete with HSS bi-metal saw band
- Operating manual

CUTTING CAPACITY

	∅	∇	∇
0°	105 mm	95 x 95 mm	100 x 85 mm
45°	65 mm	65 x 65 mm	65 x 60 mm

BAND SAW BLADES HSS BI-METAL FOR RC 105

Prod.-No.	Dimensions
341-13065-1335-0600	1335x13x0.65 mm 6 Z
341-13065-1335-0812	1335x13x0.65 mm 8/12 Z
341-13065-1335-1400	1335x13x0.65 mm 14 Z



ALFRA BAND SAW - RCP 120



Prod.-No. 22620

Band saw RCP 120

Band saw RCP 120

Prod.-No.
22620

Technical specifications:

Single-phase motor	1.300 W
Voltage	230 Volt
Cutting speed	35 to 80 min ⁻¹
(continuously adjustable with thermal and overload protection)	
Mitring	0 - 60°
Belt dimensions	1.440 x 13 x 0.65 mm
Weight	18 kg

Scope of Supply:

- Portable Band Saw Machine RCP 120 - 230 V
- Complete with HSS bi-metal saw band
- Operating manual

CUTTING CAPACITY

	∅	∇	∇
0°	120 mm	112 x 112 mm	120 x 102 mm
45°	80 mm	78 x 78 mm	78 x 78 mm
60°	50 mm	43 x 43 mm	50 x 43 mm

BAND SAW BLADES HSS BI-METAL FOR RCP 120

Prod.-No.	Dimensions
341-13065-1440-0600R	1440x13x0.65 mm 6 Z
341-13065-1440-0812R	1440x13x0.65 mm 8/12 Z
341-13065-1440-1400R	1440x13x0.65 mm 14 Z

B



ALFRA BAND SAW - RCP 150



Prod.-No. 22630

Band saw RCP 150

Band saw RCP 150

Prod.-No.

22630

Technical specifications:

Single-phase motor	2.000 W
Voltage	230 Volt
Cutting speed	35 to 80 min ⁻¹
(continuously adjustable with thermal and overload protection)	
Mitring	0 - 45°
Belt dimensions	1.735 x 13 x 0.9 mm
Weight	35 kg

Scope of Supply:

- Portable Band Saw Machine RCP 150 - 230 V
- complete with HSS bi-metal saw band
- Operating manual

CUTTING CAPACITY

	∅	∇	∇
0°	150 mm	150 x 150 mm	160 x 140 mm
45°	100 mm	100 x 100 mm	120 x 100 mm

BAND SAW BLADES HSS BI-METAL FOR RCP 150

Prod.-No.	Dimensions
341-13090-1735-0600R	1735x13x0.9 mm 6 Z
341-13090-1735-0610R	1735x13x0.9 mm 6/10 Z
341-13090-1735-1400R	1735x13x0.9 mm 14 Z



ALFRA BAND SAW - RC 210



Prod.-No. 22660



Band saw

Band saw RC 210

Prod.-No.
22660

Technical specifications:

Single-phase motor	1.850 W
Voltage	230 Volt
Cutting speed (constant due to electr. control)	60 / 80 min ⁻¹
Mitring	0 - 45°
Belt dimensions	2.140 x 20 x 0.9 mm
Weight	59 kg

Mobile Band Saw Machine, ideal for use on the move in a construction site.

Scope of Supply:

- Portable Band Saw Machine RC 210 - 230 V
- complete with HSS bi-metal saw band
- Operating manual

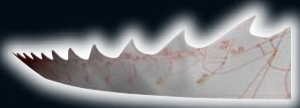
CUTTING CAPACITY

	∅	∇	∇
0°	175 mm	150 x 150 mm	213 x 150 mm
45°	140 mm	140 x 140 mm	145 x 80 mm





BAND SAW BLADES HSS BI-METAL FOR RC 210

Prod.-No.	Dimensions
341-20090-2140-0406	2140x20x0.9 mm 4/6 Z
341-20090-2140-0610	2140x20x0.9 mm 6/10 Z
341-20090-2140-1400	2140x20x0.9 mm 14 Z

B



ALFRA BAND SAW BLADES HSS-BI-METAL

Suitable for	Dimensions	Prod.-No.
 <p>ROTACUT RC 105</p>	1335x13x0.65 mm 6 Z	341-13065-1335-0600
	1335x13x0.65 mm 8/12 Z	341-13065-1335-0812
	1335x13x0.65 mm 14 Z	341-13065-1335-1400
 <p>ROTACUT RCP 120</p>	1440x13x0.65 mm 6 Z	341-13065-1440-0600R
	1440x13x0.65 mm 8/12 Z	341-13065-1440-0812R
	1440x13x0.65 mm 14 Z	341-13065-1440-1400R
 <p>ROTACUT RCP 150</p>	1735x13x0.9 mm 6 Z	341-13090-1735-0600R
	1735x13x0.9 mm 6/10 Z	341-13090-1735-0610R
	1735x13x0.9 mm 14 Z	341-13090-1735-1400R
 <p>ROTACUT RC 210</p>	2140x20x0.9 mm 4/6 Z	341-20090-2140-0406
	2140x20x0.9 mm 6/10 Z	341-20090-2140-0610
	2140x20x0.9 mm 14 Z	341-20090-2140-1400

B



Prod.-No. 22601

Work table RCT 6542

Work bench RCT 6542

Prod.-No.

22601

The advantages at a glance:

- cost-effective, sturdy, fully collapsible work bench
- ideal for the construction site
- made of steel profiles
- height-adjustable in three steps: 740 - 820 - 870 mm
- for a wide variety of applications
- table size 650 x 420 mm
- for all portable Rotacut® and RotaDry® band saws
- fully collapsible, portable
- weight 11 kg

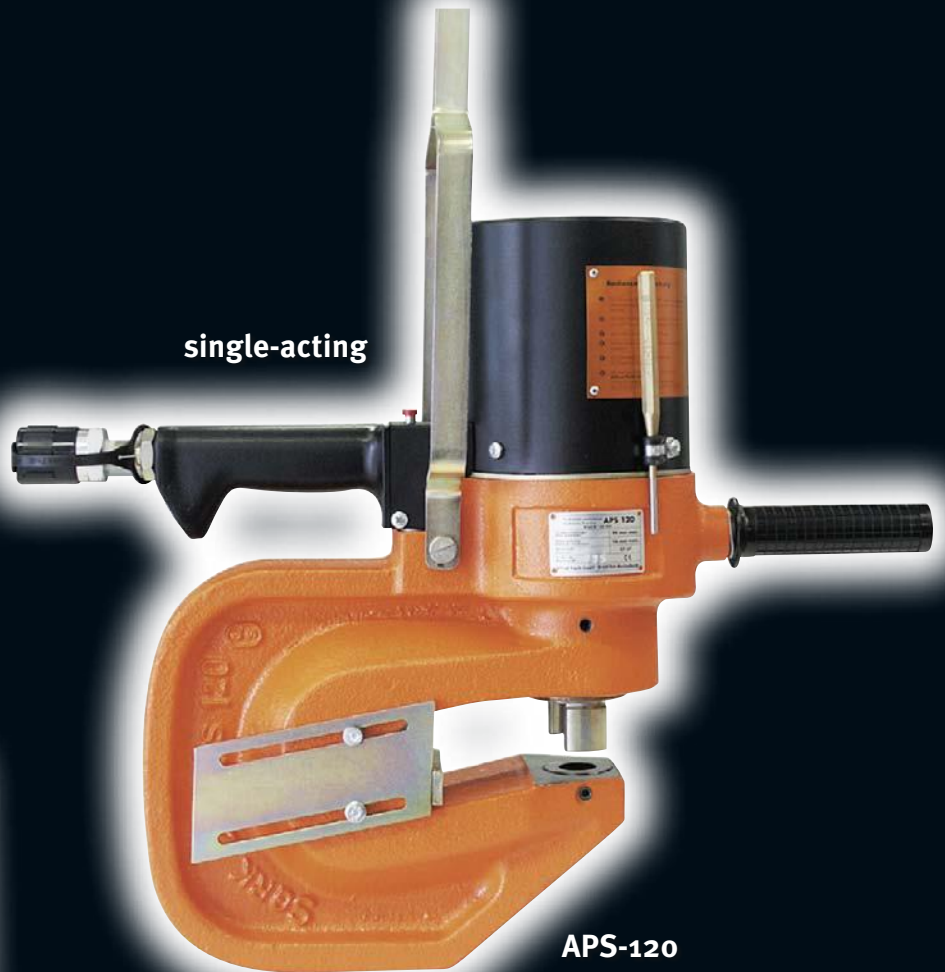
Scope of Supply:

- Portable work bench RCT 6542
- Operating manual



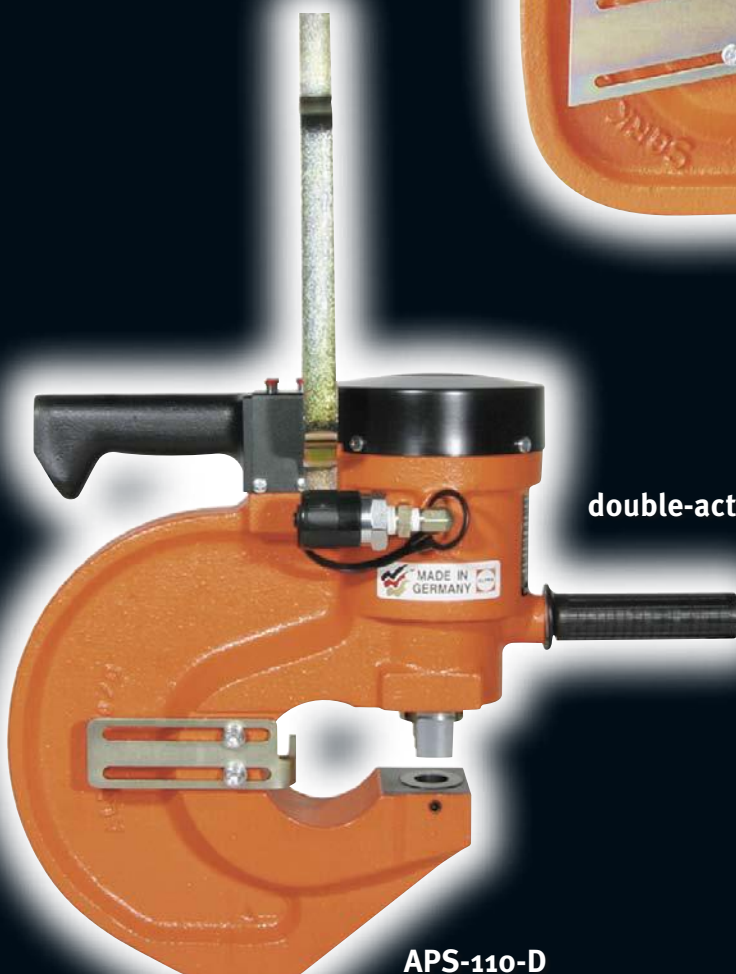
ALFRA PRESS

single-acting



APS-120

double-acting



APS-110-D

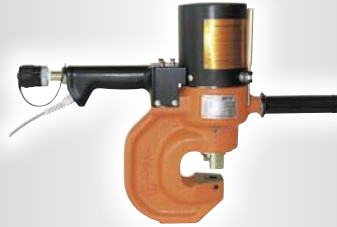
B

- ▶ **EASILY PORTABLE, FULLY AUTOMATIC HYDRAULIC PUNCHING UNITS FOR STEEL-, BRIDGE-, CONTAINER, CRANE- AND METAL CONSTRUCTION**
- ▶ **MOBILE USE, NO TRANSPORT OF MATERIAL**
- ▶ **ALMOST NOISELESS PUNCHING**
- ▶ **EASY POSITIONING THROUGH STOP-FUNCTION OF PUNCH**
- ▶ **FOR CHOICE:
SINGLE OR DOUBLE ACTION**



ALFRA-PRESS HYDRAULIC PUNCHES – @OVERVIEW

Made in Germany by ALFRA



APS 60



APS 70

Page	B/60
Prod.-No.	23001
Max. hole Ø	18 mm 11/16"
Max. oblong hole	–
Max. material thickness (S235)	10 mm 3/8"
Overall punch time with pump ...	SC 05 II-B: approx. 7 sec. SC 17: approx. 4 sec.
Throat depth	60 mm 2-3/8"
Max. pressure	700 bar 10.150 psi
Punching force	22 t
Punch stroke	16 mm 5/8"
Weight	17 kg / 37 lbs
Scope of Supply	Hydraulic hose, 5 m / spanner Punch/die Ø 14 mm

Page	B/60
Prod.-No.	23002
Max. hole Ø	22 mm 7/8"
Max. oblong hole	22 x 14 mm 7/8" x 9/16"
Max. material thickness (S235)	13 mm 1/2"
Overall punch time with pump ...	SC 05 II-B: approx. 10 sec. SC 17: approx. 4 sec.
Throat depth	70 mm 2-3/4"
Max. pressure	700 bar 10.150 psi
Punching force	30 t
Punch stroke	18 mm 11/16"
Weight	21 kg / 46 lbs
Scope of Supply	Hydraulic hose, 5 m / spanner Punch/die Ø 18 mm Depth adjustment, suspension bracket

Page	B/61
Prod.-No.	23007
Max. pressure	750 bar / 10.670 psi
Pumping capacity	0.94 l/min at 2.770 rpm
Motor power	1.100 W, 230V (50 Hz)* * upon request: 230V (60 Hz); 110 V (50 Hz); 110V (60 Hz)
Oil flow	5 l
Weight including oil fill volume	27 kg / 60 lbs



HYDRAULIC PUMPS FOR



SC 05 II-B



ALFRA-PRESS HYDRAULIC PUNCHES – OVERVIEW



Made in Germany by ALFRA



APS 120

B/60
23004
25 mm
1-1/16"
25 x 18 mm
1" x 11/16"
16 mm
5/8"
SC 05 II-B: approx. 16 sec.
SC 17: approx. 5 sec.
110 mm
4-3/8"
700 bar
10.150 psi
44 t
25 mm
15/16"
35 kg / 77 lbs

Hydraulic hose, 5 m / spanner
Punch/die Ø 22 mm
Depth adjustment, suspension bracket



APS 110 D

B/62
23181
25 mm
1-1/16"
25 x 18 mm
1" x 11/16"
16 mm
5/8"
SC 17 D: approx. 8 sec.
110 mm
4-3/8"
700 bar
10.150 psi
44 t
25 mm
15/16"
35 kg / 77 lbs

Hydraulic hose, 5 m / spanner
Punch/die Ø 22 mm
Depth adjustment, suspension bracket

APS 60 / 70 / 120



SC 17

B/61
23170
750 bar / 10.670 psi
1.5 l/min at 1.370 rpm
1.500 W, 230V (50 Hz)*
* upon request:
230V (60 Hz); 110V (50 Hz); 110V (60 Hz)
17 l
45 kg / 100 lbs

HYDRAULIC PUMPS FOR APS 110D



SC 17 D

B/62
23186
750 bar / 10.670 psi
1.4 l/min at 1.370 rpm
1.500 W, 230V (50 Hz)*
* upon request:
230V (60 Hz); 110V (50 Hz); 110V (60 Hz)
17 l
47 kg / 103 lbs



B



ALFRA-PRESS – HYDRAULIC PUNCHES, SINGLE-ACTION

Made in Germany by ALFRA

ALFRA-Press APS 60

Hydraulic punching unit with Automatic return using Neoprene spring

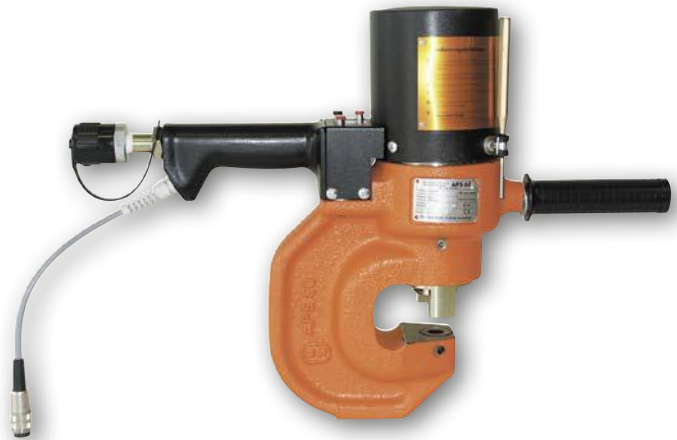
Prod.-No.
23001

Technical specifications:

max. hole Ø mm	18 mm
max. material thickness as per DIN S275	10 mm
total punch time	
with pump SC 05 II B	approx. 7 sec.
with pump SC 17	approx. 4 sec.
throat depth	60 mm
max. pressure	700 bar (10.000 psi)
punching force	22 t
punch stroke	16 mm
weight	17 kg

Scope of Supply:

Punching unit, control cable, hydraulic hose 5 m, spanner, 1 x punch and die each, Ø 14 mm



Prod.-No. 23001

ALFRA-Press APS 70

Hydraulic punching unit with Automatic return using Neoprene spring

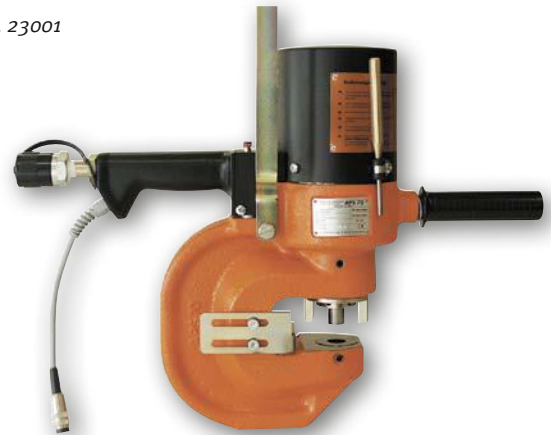
Prod.-No.
23002

Technical specifications

max. hole Ø mm	22 mm
max. oblong holes	22 x 14 mm
max. material thickness as per DIN S275	13 mm
total punch time	
with pump SC 05 II B	10 sec.
with pump SC 17	4 sec.
throat depth	70 mm
max. pressure	700 bar (10.000 psi)
punching force	30 t
punch stroke	18 mm
weight	21 kg

Scope of Supply:

Punching unit, control cable, hydraulic hose 5 m, spanner, 1 x punch and die each Ø 18 mm, 1 depth adjustment, 1 suspension bracket



Prod.-No. 23002

ALFRA-Press APS 120

Hydraulic punching unit with automatic return using Neoprene spring

Prod.-No.
23004

Technical specifications

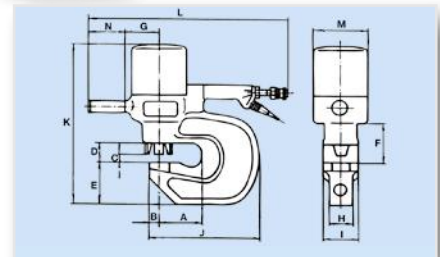
max. hole Ø mm	25 mm
max. oblong holes	25 x 18 mm
max. material thickness as per DIN S275	16 mm
total punch time	
with pump SC 05 II B	16 sec.
with pump SC 17	5 sec.
throat depth	110 mm
max. pressure	700 bar (10.000 psi)
punching force	44 t
punch stroke	25 mm
weight	35 kg

Scope of Supply:

Punching unit, control cable, hydraulic hose 5 m, spanner, 1 x punch and die each Ø 22 mm, 1 depth adjustment, 1 suspension bracket



Prod.-No. 23004



Type	A	B	C	D	E	F	G	H	I	J	K	L	M	N
APS 60	60	17	12	51	73	92	75	40	74	162	360	552	110	135
APS 70	70	24	15	51	85	100	80	40	80	204	382	562	125	135
APS 120	110	25	18	51	111	110	90	68	100	285	442	585	144	135

Important technical notice:

Standard punching units are not normally suitable for punching high-strength tooling steel, stainless steels or boiler-plate steel. Refer to us for technical advice for punching work in this application range.



Two hydraulic pumps are fitted to operate the punching unit

ALFRA Hydraulic Pump SC 05 II-B for APS 60, 70, 120

		Prod.-No.
ALFRA hydraulic pump SC 05 II-B	230V 50 Hz	23007
ALFRA hydraulic pump SC 05 II-B	230V 60 Hz	23007.230-60Hz*
ALFRA hydraulic pump SC 05 II-B	110V 50 Hz	23007.110-50Hz*
ALFRA hydraulic pump SC 05 II-B	110V 60 Hz	23007.110-60Hz*

Technical specifications:

max. operating pressure	750 bar (10.670 psi)
pump output	0.94 l/min at 2.770 rpm.
oil fill amount	5.0 l
single-phase motor, 2.770 rpm.	1.100 W 110V or 230V 50 Hz or 60 Hz
weight incl. oil fill volume	27 kg

* Upon request



Prod.-No. 23007

ALFRA Hydraulic Pump SC 17 for APS 60, 70, 120

		Prod.-No.
ALFRA hydraulic pump SC 17	230V 50 Hz	23170
ALFRA hydraulic pump SC 17	230V 60 Hz	23170.230-60Hz*
ALFRA hydraulic pump SC 17	110V 50 Hz	23170.110-50Hz*
ALFRA hydraulic pump SC 17	110V 60 Hz	23170.110-60Hz*

Complete with control system and switching cases.

These new hydraulic pumps were developed in order to drastically reduce punching times. These are particularly suited to workshop use.

Technical specifications:

max. operating pressure	750 bar (10.670 psi)
pump output	at 50 Hz, 1.50 l/min. at 1.370 rpm.
oil fill amount	17 l
single-phase motor, 1.450 rpm.	1.500 W 230 V 50 Hz
weight including oil fill volume and transport rollers	45 kg
dimensions L x W x H	550 x 370 x 560 mm

* Upon request



SC 17

Prod.-No. 23170



ALFRA-PRESS – HYDRAULIC HOLE PUNCHES, DOUBLE-ACTION

Made in Germany by ALFRA

ALFRA-Press APS 110D

Hydraulic punching unit with automatic return

Prod.-No.

23181

Technical specifications

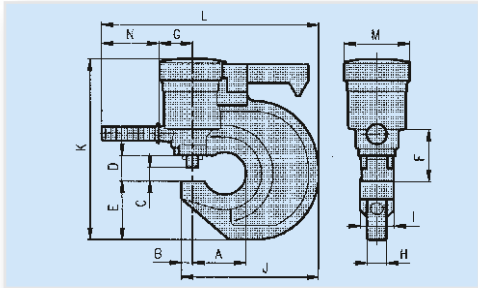
max. hole Ø mm	25 mm
max. oblong holes	25 x 18 mm
max. material thickness as per DIN S275	16 mm
total punch time with pump SC 17-D	8 sec.
throat depth	110 mm
max. pressure	700 bar (10.000 psi)
punching force	44 t
punch stroke	25 mm
weight	35 kg

Scope of Supply:

Punching unit, control cable, hydraulic hose 5 m, spanner, 1 x punch and die each Ø 22 mm, 1 depth adjustment, 1 suspension bracket



Prod.-No. 23181



Type	A	B	C	D	E	F	G	H	I	J	K	L	M	N
APS 110D	110	24	18	55	90	112	73	41	78	295	387	468	141	124



Important technical notice:

Standard punching units are not normally suitable for punching high-strength tooling steel, stainless steels or boiler-plate steel. Refer to us for technical advice for punching work in this range of application.

ALFRA Hydraulic Pump SC 17D for APS 110D

Dual-action

Prod.-No.

ALFRA hydraulic pump SC 17D	230V 50 Hz	23186
ALFRA hydraulic pump SC 17D	230V 60 Hz	23186.230-60Hz*
ALFRA hydraulic pump SC 17D	110V 50 Hz	23186.110-50Hz*
ALFRA hydraulic pump SC 17D	110V 60 Hz	23186.110-60Hz*

* Upon request

With connection for double hose package

These new hydraulic pumps were developed in order to drastically reduce punching times. These are particularly suited to workshop use.

Technical specifications:

max. operating pressure	750 bar (10.670 psi)
pump output	50 Hz 1.40 l/min. at 1.370 rpm.
oil fill amount	17 l
single-phase motor, 1.450 rpm.	1.500 W 230 V 50 Hz
weight including oil fill volume and transport rollers	47 kg
dimensions L x W x H	550 x 370 x 560 mm



Connection for double hose package



Prod.-No. 23186

SC 17 D



APS Go



For all types of APS hydraulic punching units.

For all types of APS hydraulic punching units

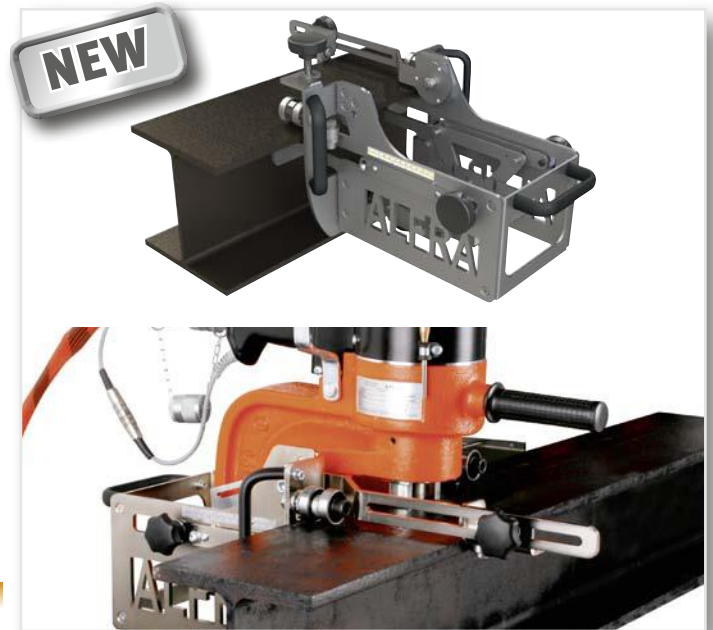
APS GO enables you to easily move our punching units over the steel bar.

An adapter plate connects the punching unit to the moving system, and allows this to be removed at any time.

This generates enormous time savings, especially when punching at identical space intervals, as the measurement needs only to be set once, and the interval lengths are easy to measure.

Massive, solid heavy-duty rollers and the side-mounted hand grips enable completely effortless movement over the steel bar.

Dimensions (L x W x H): 700 x 355 x 280 mm
Weight: 6 kg / 13 lbs



APS Go

Prod.-No.
23155

SERVICE-BOY

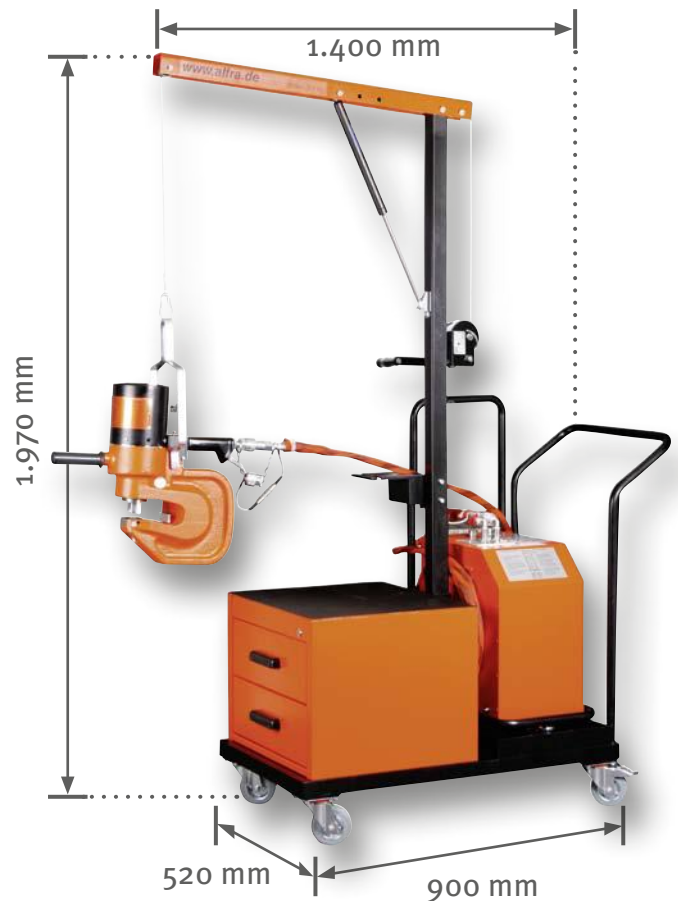
For all types of APS hydraulic punching units

This practical, time and energy-saving trolley makes handling of our ALFRA Press hydraulic punching units much easier. Absolutely necessary for every steel and metal worker wherever punching units are already in use.

- Gas pressure shock absorbers allow the easy positioning of the punching head on the steel bar.
- The hydraulic pump remains on the trolley, and must not be dragged along behind you.
- Work tool cabinet with drawers for the clear arrangement of punching work tools and accessories.
- Solid and secure, TÜV-tested design – and more cost-effective than any "DIY-build".
- Dimensions (L x W x H): 900 x 520 x 1.970 mm

Service-Boy
Complete with tool cabinet and drawers

Prod.-No.
23160



Prod.-No. 23160 (no punching unit / pump + accessories)



ALFRA - SPRING BALANCERS

For ALFRA-Press hydraulic hole punches

Prod.-No.

With **clamping device**, spring fracture safety device, wire rope hoist, 2.0 m

9362 B	15 - 20 kg	23150
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9363 B	20 - 25 kg	23151
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9366 B	35 - 45 kg	23152
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Note:

The spring balancer should only be operated when the punching unit is suspended and/or under load.



Prod.-No. 23152



Punch for

APS 120 / APS 110D	APS 70	APS 60	Ø mm	Ø Inches	Prod.-No.
■	■	■	7	1/4"	23-01-06-IN
■	■	■	8	5/16"	23-01-07
■	■	■	9	3/8"	23-01-08-IN
■	■	■	10		23-01-08
■	■	■	11		23-01-09
■	■	■	12	7/16"	23-01-10-IN
■	■	■	13	1/2"	23-01-10
■	■	■	14		23-01-11
■	■	■	15		23-01-11-IN
■	■	■	16		23-01-12
■	■	■	17		23-01-12
■	■	■	18		23-01-13-IN
■	■	■	19		23-01-13
■	■	■	20	3/4"	23-01-14
■	■	■	21		23-01-14-IN
■	■	■	22		23-01-15
■	■	■	23	5/8"	23-01-16-IN
■	■	■	24		23-01-16
■	■	■	25		23-01-17
■	■	■	26	11/16"	23-01-17-IN
■	■	■	27		23-01-18
■	■	■	28		23-01-18
■	■	■	29		23-01-19
■	■	■	30	3/4"	23-01-19-IN
■	■	■	31		23-01-20
■	■	■	32		23-01-20
■	■	■	33	13/16"	23-01-21-IN
■	■	■	34		23-01-21
■	■	■	35		23-01-21
■	■	■	36		23-01-22
■	■	■	37	7/8"	23-01-23-IN
■	■	■	38		23-01-23
■	■	■	39		23-01-23
■	■	■	40	15/16"	23-01-24-IN
■	■	■	41		23-01-24
■	■	■	42		23-01-24
■	■	■	43		23-01-25
■	■	■	44	1"	23-01-25-IN
■	■	■	45		23-01-25
■	■	■	46	1-1/16"	23-01-27-IN

*) with lock nut, Prod.-No. 23004-056 B



Prod.-No. 23-01-..



Prod.-No. 23-02-..

Dies for

APS 120 / APS 110D	APS 70	Ø mm	Ø Inches	Prod.-No.
■	■	7	1/4"	23-02-06-IN
■	■	8	5/16"	23-02-07
■	■	9	3/8"	23-02-08-IN
■	■	10		23-02-08
■	■	11		23-02-09
■	■	12	7/16"	23-02-10-IN
■	■	13	1/2"	23-02-10
■	■	14		23-02-11
■	■	15		23-02-11-IN
■	■	16		23-02-12
■	■	17		23-02-12
■	■	18		23-02-13-IN
■	■	19		23-02-13
■	■	20	3/4"	23-02-14
■	■	21		23-02-14-IN
■	■	22		23-02-15
■	■	23	5/8"	23-02-16-IN
■	■	24		23-02-16
■	■	25		23-02-17
■	■	26	11/16"	23-02-17-IN
■	■	27		23-02-18
■	■	28		23-02-18
■	■	29		23-02-19
■	■	30	3/4"	23-02-19-IN
■	■	31		23-02-20
■	■	32		23-02-20
■	■	33	13/16"	23-02-21-IN
■	■	34		23-02-21
■	■	35		23-02-21
■	■	36		23-02-22
■	■	37	7/8"	23-02-23-IN
■	■	38		23-02-23
■	■	39		23-02-23
■	■	40	15/16"	23-02-24-IN
■	■	41		23-02-24
■	■	42		23-02-24
■	■	43		23-02-25
■	■	44	1"	23-02-25-IN
■	■	45		23-02-25
■	■	46	1-1/16"	23-02-27-IN

Dies for

APS 60	Ø mm	Ø Inches	Prod.-No.
■	7		23-03-07
■	8		23-03-08
■	9		23-03-09
■	10		23-03-10
■	11		23-03-11
■	12		23-03-12
■	13		23-03-13
■	14		23-03-14
■	15		23-03-15
■	16		23-03-16
■	17		23-03-17
■	18		23-03-18

When selecting your tool, please note:

For material DIN S233: maximum material thickness = 0.8 x hole Ø
 For material DIN S275: maximum material thickness = 0.5 x hole Ø

Tip:

Punches and dies can be replaced and used for Nitto / Selfer Punching systems.

Tip:

Please oil punch from time to time, when material is heavily oxidized.





ALFRA = ORIGINAL TOOLS

Made in Germany by ALFRA

5°-bevelled dies for

APS 120 APS 110D	APS 70	Ø mm	Prod.-No.
■	■	10	23-04-10
■	■	11	23-04-11
■	■	12	23-04-12
■	■	13	23-04-13
■	■	14	23-04-14
■	■	15	23-04-15
■	■	16	23-04-16
■	■	17	23-04-17
■	■	18	23-04-18
■	■	19	23-04-19
■	■	20	23-04-20
■	■	21	23-04-21
■	■	22	23-04-22
■	-	23	23-04-23
■	-	24	23-04-24
■	-	25	23-04-25



Prod.-No. 23-04-.. (For girders with angled flanges)

Oblong punches for

mm	APS 120 APS 110D	APS 70	Punch Prod.-No.	Die Prod.-No.
16 x 8	■	■	23-01-1608	23-02-1608
18 x 9	■	■	23-01-1809	23-02-1809
18 x 11	■	■	23-01-1811	23-02-1811
20 x 10	■	■	23-01-2010	23-02-2010
20 x 12	■	■	23-01-2012	23-02-2012
20 x 14	■	■	23-01-2014	23-02-2014
22 x 11	■	■	23-01-2211	23-02-2211
22 x 14	■	■	23-01-2214	23-02-2214
24 x 12	■	-	23-01-2412	23-02-2412
25 x 9*	■	-	23-01-2509	23-02-2509
25 x 12*	■	-	23-01-2512	23-02-2512
25 x 13*	■	-	23-01-2513	23-02-2513
25 x 14*	■	-	23-01-2514	23-02-2514
25 x 18*	■	-	23-01-2518	23-02-2518



Prod.-No. 23-02-..



Prod.-No. 23-01-..

*) with lock nut, Prod.-No. 23004-56B
Other dimensions are available upon request

Spare parts

	Prod.-No.
Spare HD connection cable, 5 m complete with control cable and coupling	23015
Spare HD connection cable, *10 m complete with control cable and coupling	23016
Spare HD connection cable, *15 m complete with control cable and coupling	23017
Spare HD connection cable, 5 m For APS 110D (dual-action) complete with control cable and coupling	23020

Note:

The pressure build-up extends at 10 m to approx. 4 sec., and at 15 m to approx. 6 sec.

Lock nut for punch Ø 7 - 24 mm	23004-056A
Lock nut for punch Ø 25 mm (APS 120 / 110D only)	23004-056B
Lock nut for punch Ø 26 mm (upon request)	23004-056C



Prod.-No. 23015



Prod.-No. 23020



Prod.-No. 23004-056A
For punches Ø 7 - 24 mm



Prod.-No. 23004-056B
for punches Ø 25 mm