

THE ALFRA-ROTABEST[®]-FAMILY – METAL CORE DRILLING IN EVERY POSITION



MADE IN GERMANY

B-LINE

The solid ones with the strong price

The models from our Alfa Basic-line are real endurance runners. Unbeatable when it comes to service life, they are also standing out because of an exceptional price-performance. These advantages are delivering you to the line.

- Our Basic-line is combining proven Alfa-quality with an attractive purchase price. So you get good value for money and you remain economically flexible.
- No matter how many hours a core drilling machine from the Basic-line is in use for your business – the device is going to complete the task steadily. The winning combination: sturdiness and precision.
- Our Rotabest 130 B – when size matters. The XXL Version amongst our Alfa core drilling machines is the perfect match for metalworkers, who need more: More power, more drillhole diameter, more cutting depth. For cutting depths up to 130 mm.
- Core drill dimensions-Ø: 12 - 130 mm



RL-E-LINE

The robust ones with the twist

The Rotabest models from the RL-E-line can do better than merely drilling holes. Because the solid ones with right/left run do not only work precisely, they are tapping threads, too. Furthermore they are very user friendly.

- Our professional line with right/left run for metal workers includes two reliable working devices with left/right run for coredrilling, thread tapping, counterboring and spiral drilling.
- Available in three variants: for drill diameters up to 50 mm, 80 mm, 100 mm and 130 mm
- All at a glance: the clear operating concept is self-explanatory. Confusion or application errors are almost excluded.
- Core drill dimensions-Ø: 12 - 130 mm



SP-LINE



The independent ones with permanent magnet

How do you imagine your ideal partner? Reliable in every situation and still independent? Then our core drilling machines from the SP-line are the perfect match for you. The basis: the patented permanent magnet with a safety sensor adheres horizontal and vertical, autonomous from power supply. Crashes are nearly impossible – and more: our premium products are holding nicely in your hand, too.

- Our premium line is convincing due to a permanent magnet with safety sensor to check the holding force – for maximum occupational safety.
- because of the patented magnetics technology the drill stand adheres from only 3 mm material thickness – for applications in every position.
- Hard facts, soft factors – the models from the SP-line are unifying all performance characteristics of metal core drilling with an ergonomically optimized operating comfort and sophisticated equipment.
- Core drill dimensions-Ø: 12 - 50 mm

V-LINE







The duo for special operations

The “V” in the name says it all: Core drilling machines belonging to our V-LINE are specialists – for example when things are literally getting tight. May we present: our super-heroes for particular challenges.

- V 40: flat design for high demands. The compact model is operating at full capacity even in working areas which are difficult to access. For example when it comes to drilling close to vehicle frames, inside narrow T-beams and when core drilling machines with standard measures are running into their limits.



- SP-V: One for all: the slimly designed drill stand SP-V with a permanent magnet is adhering from a material thickness of only 3 mm. Furthermore: Due to the 43 mm Euro standard collar, the lightweight is combinable with a broad variety of core drilling machines
- You haven't found what you've been looking for? There's a suitable core drilling machine for every challenging project. Please don't hesitate to ask for further solutions for your special applications.
- Core drill dimensions-Ø: 12 - 40 mm
- More Dimensions

	Ø35		Ø50	Ø80	Ø130	
						
	RB 35 B		RB 35/50 B PICCOLO	RB 50 B	RB 80 B	RB 130 B
Page	90 - 91		92	93	94	95
Prod.-No.	230 V: 18400 110 V: 18400.110		230 V: 18401 110 V: 18401.110	230 V: 18451 110 V: 18451.110	230 V: 18481 110 V: 18481.110	230 V: 18646
Core drill dimensions	Ø 12.0 - 35.0 mm		Ø 12.0 - 35.0 mm	Ø 12.0 - 50.0 mm	Ø 12.0 - 80.0 mm / Ø 20.0 - 50.0 mm (cutting depth 110 mm)	Ø 12.0 - 130.0 mm / Ø 20.0 - 50.0 mm (cutting depth 110 mm)
Cutting depth	50.0 mm		50.0 mm	50.0 mm	50.0 mm / 110.0 mm	50.0 mm / 110.0 mm
Twist drill	Ø 1.0 - 13.0 mm DIN 1897 short		Ø 1.0 - 13.0 mm DIN 1897 short	Ø 1.0 to 16.0 mm with quick-release chuck MT 2 up to Ø 20.0 mm with MT2 DIN 345 direct	Ø 1.0 - 16.0 mm with drill chuck up to Ø 32.0 mm with MT3 DIN 345	up to Ø 45.0 mm with MT4 DIN 345
Counterboring	Ø 10.0 - 40.0 mm		Ø 10.0 - 40.0 mm	Ø 10.0 - 40.0 mm	Ø 10.0 - 55.0 mm	Ø 10.0 - 80.0 mm
Tapping	-		-	with tapping attachment: M3 - M20	with tapping attachment: up to M30	with tapping attachment: up to M42
Arbor	19 mm Weldon shank		19 mm Weldon shank	MT2	MT3	MT4
Stroke	120 mm		129 mm	190 mm	190 mm	230 mm
Height adjustment	-		86 mm	100 mm	100 mm	100 mm
Gearbox – on-load speed	450 rpm		450 rpm	1. Step 250 rpm 2. Step 450 rpm	1. Step 110 rpm 2. Step 175 rpm 3. Step 245 rpm 4. Step 385 rpm	1. Step 30 - 80 rpm 2. Step 50 - 120 rpm 3. Step 130 - 350 rpm 4. Step 210 - 550 rpm
Power consumption	1,100 W		1,100 W	1,200 W	1,800 W	2,500 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	230 V 50/60 Hz
Magnetic holding force	10,000 N		10,000 N	12,000 N	16,000 N	33,000 N
Tool-Force (10 mm)*	2,100 N		2,100 N	3,500 N	4,000 N	5,000 N
Min. material thickness	6 mm		6 mm	6 mm	10 mm	10 mm
Magnetic base	70 x 185 mm		70 x 185 mm	92 x 220 mm	92 x 220 mm	90 x 400 mm
Weight	10.6 kg		11.5 kg	15.0 kg	21.3 kg	37.0 kg
Motor						
Oil bath gearbox	-		-	✓	✓	✓
Mechanical slipping clutch	-		-	-	✓	✓
Slide						
Stepless adjustment	-		✓	✓	✓	-
Self-adjusting guide	✓		✓	✓	✓	-
Operation						
Soft-touch grips	✓		✓	✓	✓	✓
Ergonomic switch keyboard	✓		✓	✓	✓	✓
Cord length 5 m	✓		✓	✓	✓	✓
Magnet						
Sensor/LED	-		-	-	✓	-
Metal rings	✓		✓	✓	✓	✓

* Lift-off force directly on the tool/core drill machine



RL-E-LINE

	Ø 50		Ø 80		Ø 100		Ø 130	
								
Page	96		97		98		99	
Prod.-No.	230 V: 18612	110 V: 18612.110	230 V: 18629	110 V: 18629.110	230 V: 18636	110 V: 18636.110	230 V: 18647	110 V: 18647.110
Core drill dimensions	Ø 12.0 - 50.0 mm		Ø 12.0 - 80.0 mm / Ø 20.0 - 50.0 mm (cutting depth 110 mm)		Ø 12.0 - 100.0 mm / Ø 20.0 - 50.0 mm (cutting depth 110 mm)		Ø 12.0 - 130.0 mm / Ø 20.0 - 50.0 mm (cutting depth 110 mm)	
Cutting depth	50.0 mm		50.0 mm / 110.0 mm		50.0 mm / 110.0 mm		50.0 mm / 110.0 mm	
Twist drill	Ø 1.0 bis 16.0 mm with quick-release chuck MT2 up to Ø 20.0 mm with MT2 DIN 345 direct		Ø 1.0 - 16.0 mm with drill chuck up to Ø 32.0 mm with MT3 DIN 345		Ø 1.0 - 16.0 mm with drill chuck up to Ø 32.0 mm with MT3 DIN 345		up to Ø 45.0 mm with MT4 DIN 345	
Counterboring	Ø 10.0 - 40.0 mm		Ø 10.0 - 55.0 mm		Ø 10.0 - 55.0 mm		Ø 10.0 - 80.0 mm	
Tapping	with tapping chucks: M3 - M14 with tapping attachment: M3 - M20		with tapping chucks: up to M30 with tapping attachment: up to M30		with tapping chucks: up to M30 with tapping attachment: up to M30		with tapping attachment: up to M42	
Arbor	MT2		MT3		MT3		MT4	
Stroke	170 mm		190 mm		245 mm		230 mm	
Height adjustment	100 mm		60 mm		116 mm		100 mm	
Gearbox - on-load speed	right/left 1. Step 100 - 250 rpm 2. Step 180 - 450 rpm		right/left 1. Step 50 - 110 rpm 2. Step 75 - 175 rpm 3. Step 105 - 245 rpm 4. Step 165 - 385 rpm		right/left 1. Step 50 - 150 rpm 2. Step 75 - 230 rpm 3. Step 100 - 310 rpm 4. Step 160 - 490 rpm		right/left 1. Step 30 - 80 rpm 2. Step 50 - 120 rpm 3. Step 130 - 350 rpm 4. Step 210 - 550 rpm	
Power consumption	1,200 W		1,800 W		2,500 W (230 V) 2,400 W (110 V)		2,500 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	
Magnetic holding force	16,000 N		20,000 N		20,000 N		33,000 N	
Tool-Force (10 mm)*	3,800 N		4,200 N		4,000 N		5,000 N	
Min. material thickness	10 mm		10 mm		10 mm		10 mm	
Magnetic base	92 x 238 mm		92 x 238 mm, 30° adjustable right and left, 10 mm front and back		92 x 238 mm, 30° adjustable right and left, 10 mm front and back		90 x 400 mm	
Weight	16.0 kg		22.0 kg		28.0 kg		37.0 kg	

Motor				
Right/left run	✓	✓	✓	✓
Full-wave control electronics	-	-	✓	✓
Smooth start	-	-	✓	-
Overload protection	-	-	✓	-
Motor emergency stop	-	-	-	-
Oil bath gearbox	✓	✓	✓	✓
Mechanical slipping clutch	-	✓	✓	✓
Slide				
Stepless adjustment	✓	✓	✓	✓
Operation				
Soft-touch grips	✓	✓	✓	✓
Ergonomic switch keyboard	✓	✓	✓	✓
Cord length 5 m	✓	✓	✓	✓
Magnet				
Sensor/LED	-	-	-	-
Metal rings	✓	✓	✓	✓

* Lift-off force directly on the tool/core drill machine



Ø 35



RB 35 SP

Ø 50



RB 50 SP

Page	100 - 101		102	
Prod.-No.	230 V: 18801	110 V: 18801.110	230 V: 18851	110 V: 18851.110
Core drill dimensions	Ø 12.0 - 35.0 mm		Ø 12.0 - 50.0 mm	
Cutting depth	50.0 mm		50.0 mm	
Twist drill	Ø 1.0 - 13.0 mm		Ø 1.0 - 20.0 mm	
Counterboring	Ø 10.0 - 40.0 mm		Ø 10.0 - 40.0 mm	
Tapping	-		-	
Arbor	Quick-release chuck		MT2	
Stroke	105 mm		100 mm	
Height adjustment	80 mm		47 mm	
Gearbox - on-load speed	450 rpm		1. Step 250 rpm 2. Step 450 rpm	
Power consumption	1,100 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	
Magnetic holding force	17,000 N		17,000 N	
Tool-Force (10 mm)*	2,800 N		2,800 N	
Min. material thickness	from 3 mm		from 3 mm	
Magnetic base	72 x 190 mm		72 x 190 mm	
Weight	9.9 kg		11.5 kg	
Motor				
Smooth start	✓		✓	
Hybrid relay	✓		✓	
Right/left run	-		-	
Overload protection	✓		✓	
Motor emergency stop	✓		✓	
Oil bath gearbox	-		✓	
Mechanical slipping clutch	-		-	
Slide				
Stepless adjustment	✓		✓	
Self-adjusting guide	✓		✓	
Operation				
Soft-touch grips	✓		✓	
Membrane keyboard	✓		✓	
Holder for Allen key	✓		✓	
Cord length 5 m	✓		✓	
Magnet				
Sensor/LED	✓		✓	
Permanent magnet	✓		✓	
TiN-coating	✓		✓	

* Lift-off force directly on the tool/core drill machine



V-LINE



mm

Ø40



DRILL STAND SP-V



V 40

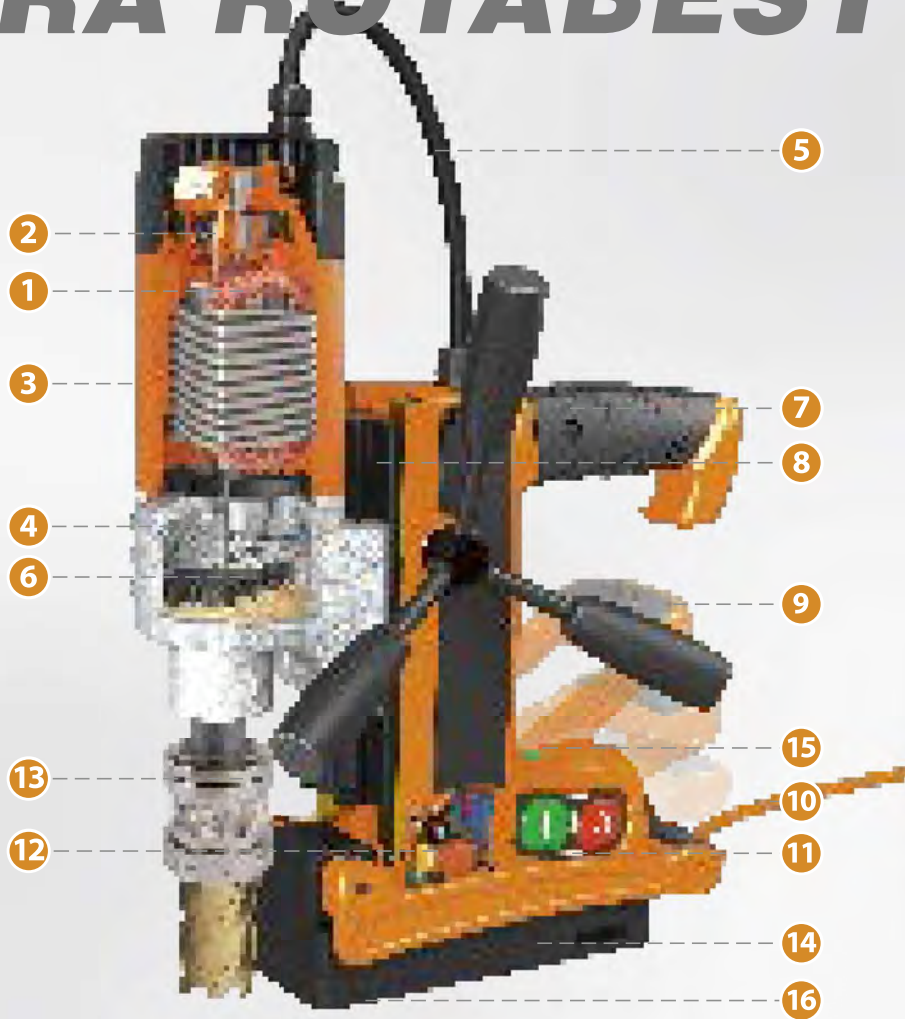
Page	104 - 105	103	
Prod.-No.	18343	230 V: 18712	110 V: 18712.110
Core drill dimensions	-	Ø 12.0 - 40.0 mm	
Cutting depth	-	30.0 mm	
Twist drill	Ø depending on the respective drilling machine used		
Counterboring	-	Ø 10.0 - 32.0 mm	
Tapping	-	-	
Arbor	Ø 43 mm Euro Neck, Ø 48.6 mm Ø 61.7 mm	19 mm Weldon shank	
Stroke	105 mm	45 mm	
Height adjustment	80 mm	-	
Gearbox – on-load speed	-	450 rpm	
Power consumption	-	900 W	
Voltage	-	230 V 50/60 Hz 110 V 50/60 Hz	
Magnetic holding force	17,000 N	16,000 N	
Tool-Force (10 mm)*	2,800 N	2,100 N	
Min. material thickness	from 3 mm	6 mm	
Magnetic base	72 x 190 mm	95 x 200 mm	
Weight	6.8 kg	12.5 kg	

Motor			
Smooth start	-	Compact, lying	
Hybrid relay	-		
Full-wave control electronics	-		
Right/left run	-		
Overload protection	-		
Motor emergency stop	-		
Oil bath gearbox	-		
Mechanical slipping clutch	-		
Slide			
Stepless adjustment	-	2-sided column guide	
Self-adjusting guide	-		
Operation			
Soft-touch grip	✓	Space-saving – through ratchet	
Membrane keyboard	-		
Holder for Allen key	-		
Cord length 5 m	-	✓	
Magnet			
Metal rings	-	✓	
TiN-coating	✓	-	

* Lift-off force directly on the tool/core drill machine

Core drilling with

ALFRA ROTABEST®



POWER GLOSSARY

Motor		Operation	
1 Temperature sensor	The LED signal informs about a motor overheating due to overload. After cooling down, the motor can be activated again.	9 Activation lever for magnet	Ergonomic and easy to use. With perforated grip zone for perfect grip.
2 Carbon brush wear control	The motor LED flashes as soon as the carbon brushes are worn through mechanical abrasion. The motor continues to run.	10 5 metre PUR connection cable	Remains flexible even at low temperatures and is optimally protected against external influences.
3 Drive unit	Height adjustable allows a larger, multiple stroke range.	11 Membrane keyboard	The keypad has been ergonomically designed and further offset in the housing so that it is less sensitive to moisture and mechanical influences.
4 Smooth start	Protects the motor and extends its lifetime.	12 Circuit board with hybrid relay	Extra long life. Voltage spikes are intercepted.
5 PUR Control line	Remains flexible even at low temperatures and is optimally protected against external influences.	13 Quick-release chuck	Weight-optimised to reduce the imbalance to a minimum. Is compatible for all core drills with standard Weldon arbor.
Gearboxes		Permanent magnet	
6 Special gearbox	The wear of the gearbox wheels is reduced significantly even under extreme conditions.	14 Permanent magnet	100% reliability (also in case of power failure) - already can be used from 3 mm thickness
Operation		15 LED for magnetic/adhesive power indicator	This shows various function statuses - "continuous green" for OK - "red flashing" with holding force which is just sufficient - "continuous red" with low holding force - (motor turns off automatically)
7 Soft-touch grips	Abrasion resistant for perfect grip. Including integrated Allen key tray	16 TiN coated magnetic undersurface	Scratch-resistant and resistant to external influences.
8 Double dovetail slide	Self-adjusting through innovative clamping system		

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