



PUNCHING



DRILLING



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CUTTING



DEBURRING

ALFRA ROTABEST[®]

Metal Core Drilling Machines

SP LINE

NEW



- 100% SAFE AND ENERGY-SAVING
- ALREADY USABLE UP FROM 3 MM - THIS LEADS TO INFINITE CAPABILITIES
- COMPLETELY NEW, ERGONOMIC OPERATING CONCEPT
- ...HOLDS, HOLDS, HOLDS!

Redefining Metal Core Drilling!

03/2015



Metal Core Drilling with

ALFRA ROTABEST®



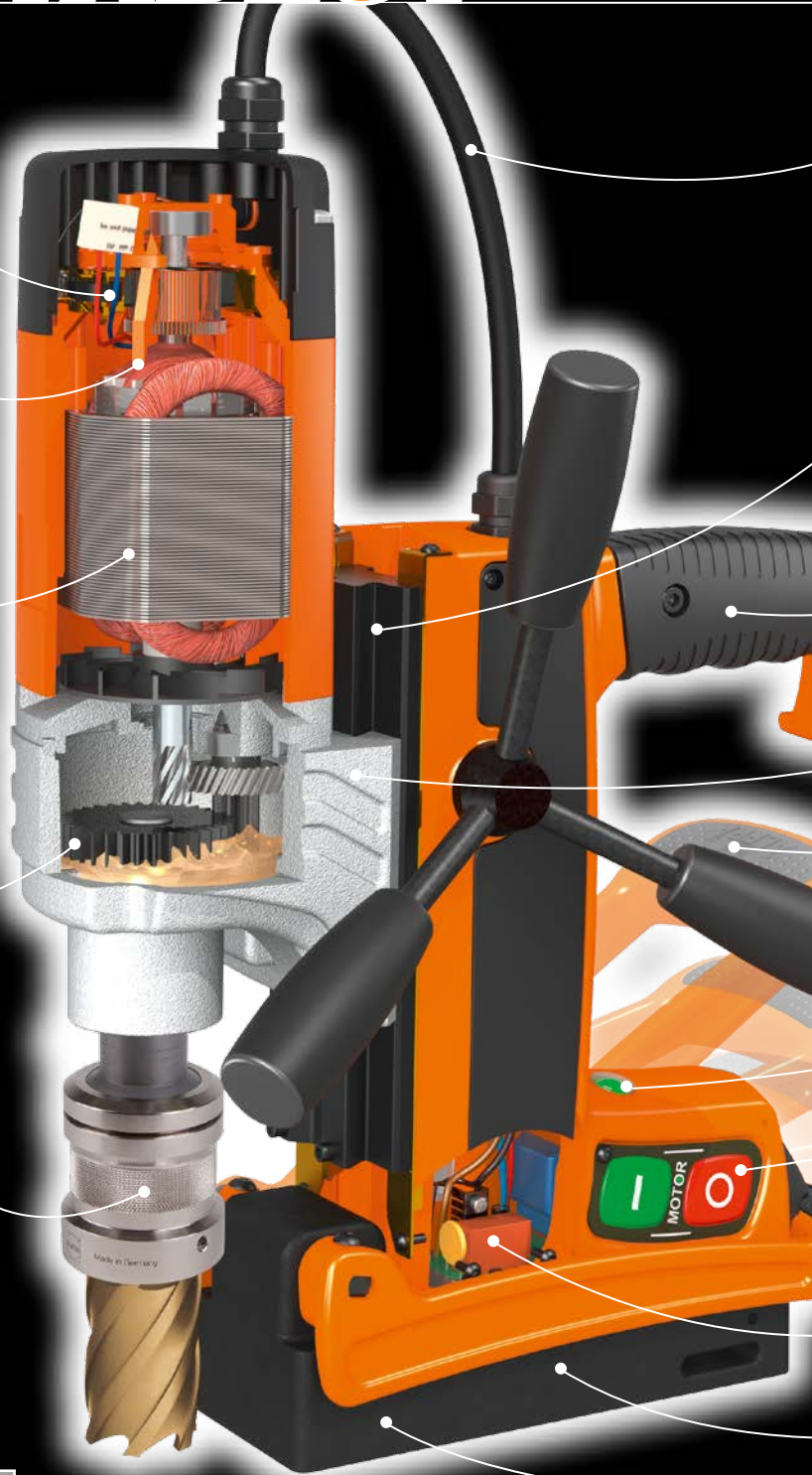
CARBON BRUSH WEAR CONTROL

TEMPERATURE SENSOR

SMOOTH START

SPECIAL GEARBOX

QUICK-CHANGE TOOL HOLDER ON RB 35 SP
MK 2 TOOL HOLDER WITH INTERNAL COOLING ON RB 50
SP (OPTIONAL)



PERFORMANCE GLOSSARY

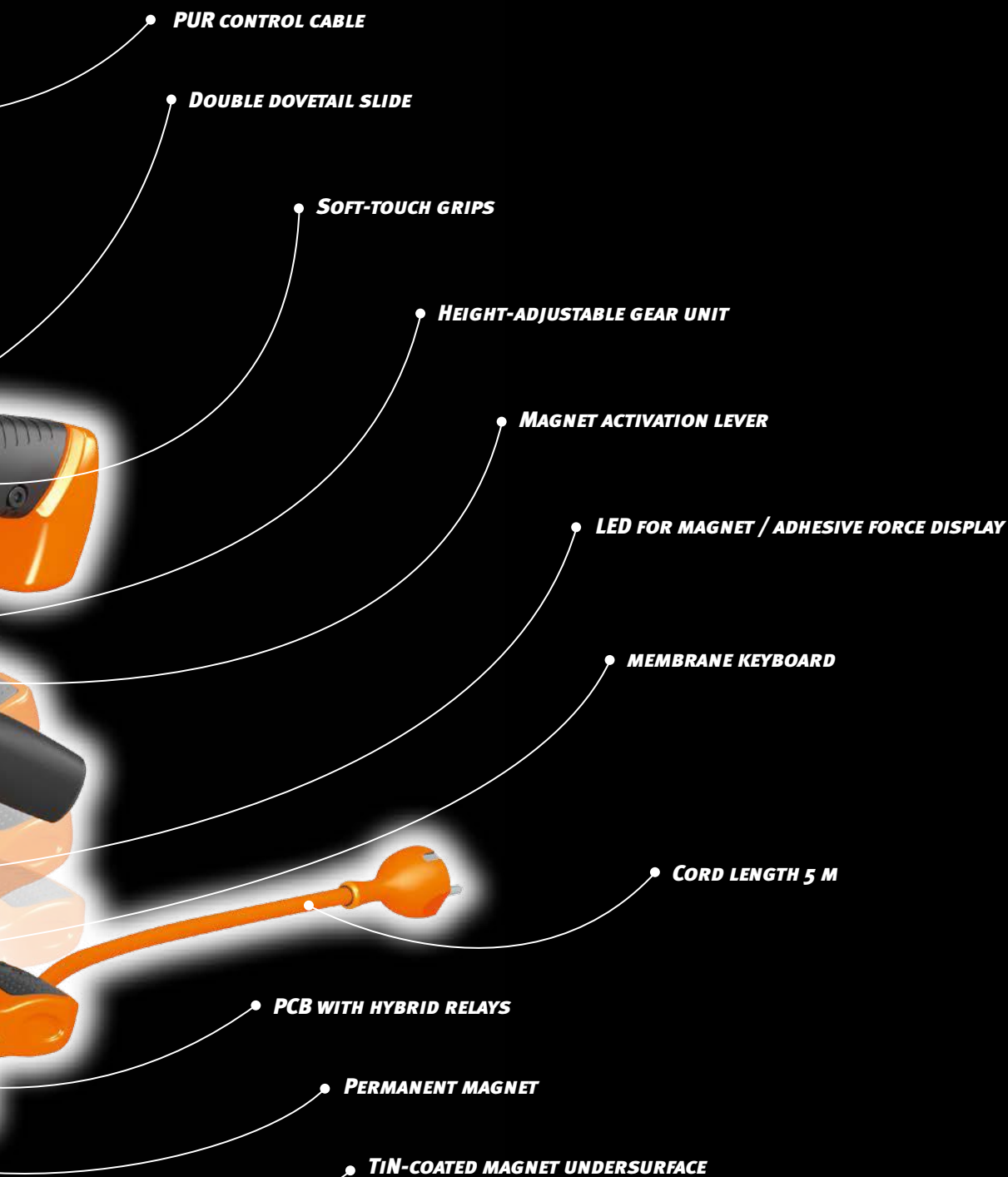
Motor	
Temperature sensor	Overheating is indicated by an LED-signal (double flashing) and the motor shuts down. Reactivation possible after cool-down.
Carbon brush wear control	If the level of wear is reached, this is indicated by a single flash. The engine continues to run.
Gear unit	Height-adjustable, offers a larger, more variable stroke range
Smooth start	limits wear and tear, prolongs the motor's service life

Gears	
Special gearbox	The gear wear (cog wheels) is markedly reduced even under extreme conditions.
Operation	
Soft-touch grips	With integrated Allen key holder - abrasion-resistant, for the perfect grip
Double dovetail slide	Self-adjusting thanks to innovative clamping system



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Operation	
Magnet activation lever	Ideally positioned in terms of ergonomics, with perforated grip zone, comfortable and easy to use
Cord length 5 m	Even at low temperatures, remains flexible, sturdy and is perfectly protected against external influences
Membrane keyboard	Completely new, ergonomic design, unaffected by moisture, offset towards the inside, protecting it against mechanical influences
PCB with hybrid relays	For an extra-long service life (voltage surges are intercepted)
Quick-change arbor	Weight-optimised for the lowest possible imbalance and drive load, compatible with all core drills with standard Weldon arbor

Permanent magnet	
Permanent magnet	100% safety (during power cuts) - can be used from material thicknesses of just approx. 3 mm (unrivalled!)
LED for magnet / adhesive force display	This indicates various functional states - "green solid light" for OK - "red flashing light" when the adhesive force is still adequate - "red solid light" if the adhesive force is too low (motor switches off automatically)
TiN-coated magnet undersurface	Scratch-resistant and maximum sturdiness





HOLDS PERMANENTLY!



NEW

RB 35 SP

Prod.-No.	230 V: 18801	110 V: 18801.110
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	
Arbor	Quick-change mount	
Stroke	105 mm	
Height adjustment	80 mm	
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 S235) Drill Point Load	2,800 N	
Tool Force (6 mm S235) Drill Point Load	2,300 N	
Magnet foot	72 x 190 mm	
Weight	9.9 kg	

Motor		
Smooth start		✓
Overload protection		✓
Motor emergency stop		✓
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		✓
Made in Germany		✓



Scope of supply:

RB 35 SP metal core drilling machine with quick-change arbor, carrying case, safety belt, coolant equipment, operating instructions

ALFRA Rotabest® RB 35 SP	230 Volt	18801
ALFRA Rotabest® RB 35 SP	110 Volt	18801.110



HOLDS PERMANENTLY!



NEW

RB 50 SP

Prod.-No.	230 V: 18851	110 V: 18851.110
Cutter dimension	Ø 12.0 - 50.0 mm	
Cutting depth	50.0 mm	
Twist drill	Ø 1.0 - 20.0 mm DIN 1897 short	
Counterbore	Ø 10.0 - 40.0 mm	
Arbor	MK2	
Stroke	100 mm	
Height adjustment	47 mm	
2-speed gearbox - On-load speed	1st Gear	250 rpm.
	2nd Gear	450 rpm.
Power consumption	1,200 W	
Voltage	230 V 50/60 Hz 110 V 50/60 Hz	
Tool Force (10 mm S235) Drill Point Load	2,300 N	
Tool Force (6 mm S235) Drill Point Load	2,000 N	
Magnet foot	72 x 190 mm	
Weight	11.5 kg	

Motor		
Smooth start		✓
Overload protection		✓
Motor emergency stop		✓
Gearbox		
Oil-bath gearbox		✓
Slide		
Stepless adjustable		✓
Self-adjusting guides		✓
Operation		
Soft-touch grips		✓
Membrane keyboard		✓
Holder for Allen key		✓
Cord length 5 m		✓
Magnet		
Sensor/LED		✓
TiN coated		✓
Performance and weight optimisation		✓
Made in Germany		✓



Scope of supply:

RB 50 SP metal core drilling machine, tool holder MT-2 with internal cooling, carrying case, safety belt, coolant equipment, operating instructions

ALFRA Rotabest® RB 50 SP	230 Volt	18851
ALFRA Rotabest® RB 50 SP	110 Volt	18851.110

HIGHLIGHTS

- **COMPLETELY NEW, ERGONOMIC OPERATING CONCEPT**
- **ULTRA-POWERFUL PERMANENT MAGNET WITH PRE-TENSION**
- **CAN BE USED FROM JUST 3 MM**
- **100% SAFE AND ENERGY-SAVING**

...HOLDS AND HOLDS AND HOLDS!

Subject to our general sales conditions.

