Drills

When it comes to drilling holes efficiently in a wide range of materials, a power drill from Metabo is always the right choice. The most important factors are: the correct drill speed, sufficiently high torque, and the quality of the drill bit you use. For optimal results each material requires a specific cutting speed; this is the combination of the correct drill speed and the bit diameter.

When choosing the ideal drill, a useful rule of thumb is:

The smaller the bit diameter, the higher the speed you need and the lower the torque can be.

Alternatively, the larger the bit diameter, the higher the torque you need and the lower the speed can be. High-torque drills, besides pure drilling, are suitable, for example, for stirring viscous materials.

Metabo offers a wide and comprehensive range of power drills – a power tool to suit each and every job. When it comes to choosing the right Metabo power drill to meet your own special needs, bear in mind in particular the speed, the torque, and the most suitable bit.

Which power drill for which job?

	nower	
Drilling	Screwdriving, stirring	pono
Pre-drilling riveted joints, alu- minium, and thin metal sheet, pre-drilling in wood, kitchen installations Holes for nails in wooden battens		B E 250 R+L 300 watts Page 33
Wood – small diameter Car-body work Steel and cast iron Stainless steel sections, tubing, sheet	Light screwdriving work	B E 530 R+L 520 watts Page 33
Wood – small diameter Car-body work Steel and cast iron Metal sheet, cabinet building		B 560 560 watts Page 33
Wood – small diameter Car-body work Steel and cast iron Metal sheet, cabinet building	Light screwdriving work	BE 560 560 watts Page 33
Drilling stainless steel installations (shop counter construction) Drilling with auger bits and Forstner pattern bits	Screwdriving work Stirring paints (painters and decorators) Stirring highly viscous materials	BE 622 S- R+L 620 watts Page 34
Steel (machine engineering, scaffolding, metal fitters) Wood (joiners, carpenters, interior fitters) Ceramics, tiles (SHK, plumbac)	Screwdriving work Stirring paints	BE 710 710 watts Page 34
Using in the drill stand Servicing and assembly instructions	Screwdriving work Stirring paints Use as driving unit	BE 1020 1020 watts Page 35
Steel – large diameter Wood – very large diameter	Stirring paints Stirring highly viscous materials	BDE 1100 1100 watts Page 35
Kitchen installation Machine engineering Assembly work (furniture, metal fitters, mechanics)		WBE 700 705 watts Page 36
Steel – large diameter Wood – large diameter Formwork	Screws (long, screws with large- diameter tips, e.g. plugs for frames and facings) Stirring highly viscous materials	B 7532/4 1050 watts Page 36
Drilling and hole-cutting in steel substructures (machine engineering) Drilling in steel girders		MAG 832 800 watts Page 37
	Stirring viscous materials: plaster, filler compound, tile adhesive, jointing cement, mor- tar adhesive, float finish (pain- ters and decorators, plasterers, bricklayers and masons)	RW 1100 1100 watts Page 38
Precise, dust-free, low-vibra- tion, low-noise drilling in concrete and brickwork, socket countersink	Screwdriving work	DB 2008/2 S 1010 watts Page 40
Precise, dust-free, low-vibra- tion, low-noise drilling in concrete and brickwork		DB 3515/2 S 1800 watts Page 40

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Rotary drills, Angle drill



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Bench drilling machines

Electromagnetic drill



Electromagnetic broach cutter and drilling unit **metabo**



Electromagnetic broach cutter and drilling unit MAG 832

Magnet with high holding power for safe operation

• Also suitable, when used in conjunction with the safety strap supplied, for working on vertical, sloping, or overhead surfaces

• Facilitates accurate and clean-cut holes, because the motor and slide plate form a single unit

- Vertical feed driven by rack and pinion
- The motor cannot be started until the drill stand itself has been switched on.

• Working with broach cutters to cut a hole means low stress and less fatigue. Material has only to be removed from the periphery of the hole, less force is needed to feed the bit and less power to rotate it; the central plug of material remaining in the bit after cutting is ejected by the spring-loaded pilot pin.

Two speeds

- high speed for cutting holes with broach cutters up to about Ø 16 mm and for drilling with normal bits up to Ø 13 mm,
- low speed for cutting holes with broach cutters up to \emptyset 32 mm.

• Chuck holder for working with twist drills available as optional accessory

Torque 50 Nm/19 Nm

Туре	MAG 832
Order No.	6.00832
Standard equipment Tool holder (internal diameter 19 mm), two Allen ke	eys and safety strap
Technical specifications	
Maximum broach cutter diameter	32 mm
Magnetic stand:	
Maximum depth of feed	130 mm
Power input	50 watts
Maximum magnetic holding power	8000 N
Dimensions of magnet	90x170 mm
Motor:	
Rated input power	800 watts
Output power	450 watts
Speeds at no loaden	530 rpm/1400 rpm
Speeds at rated load	320 rpm/850 rpm
Spindle thread	5/8"-16 UN
Hole-cutting and drilling unit:	
Height, including motor, with slide-plate:	
- in lowest position	405 mm
 in uppermost position 	525 mm
Weight	14 kg



Weldon shank, 19 mm			
Cutting depth	Order	Cutting depth	Order
25 mm	No.	50 mm	No.
Ø 14 mm	C 2002E	0 14 mm	6 20075
14 mm	0.30025	14 mm	6 20075
15 mm	6.30020	16 mm	6 20077
10 mm	6 20027	17 mm	6 20079
17 IIIII 19 mm	6.30020	19 mm	6 20070
10 mm	6 20029	19 mm	6 30080
20 mm	6 20021	20 mm	6 30081
20 mm	6 20022	21 mm	6 30082
21 mm	6 30032	22 mm	6 30083
23 mm	6 30034	23 mm	6.30084
24 mm	6 30035	24 mm	6.30085
25 mm	6 30036	25 mm	6.30086
26 mm	6 30037	26 mm	6.30087
27 mm	6.30038	27 mm	6.30088
28 mm	6.30039	28 mm	6.30089
29 mm	6.30040	29 mm	6.30090
30 mm	6.30041	30 mm	6.30091
31 mm	6.30042	31 mm	6.30092
32 mm	6.30043	32 mm	6.30093
Pilot pin to suit the above	6.30054	Pilot pin to suit the above	6.30055
Chuck holder for chuck with 1/2"-20 UNF female thread			6.30051

Cutters (high-speed steel HSS