

IMPACT DRILLS AND ROTARY DRILLS: QUALITY FOR OVER 90 YEARS.

Our drills look back on tradition: Since in 1924 the »Metallbohrdreher« (metal drill) gave the company its name, we have been continuously implementing new standards when it comes to drilling. Our high quality standards guarantee optimum work results and precise holes. Whether in wood, metal, masonry or concrete - every material has different requirements in terms of drill speed, torque, speed and the drill. We offer the right machine including accessories for any challenge.

Die-cast aluminium gear housing
Extremely resilient gear housing for quick heat dissipation and ideal spindle bearing location



Metabo S-automatic Torque Limiting Clutch
Limitation of any sudden reverse torque to protect user and machine.

Hexagon socket housed in the end of the spindle
The screwdriver bit can be inserted directly into the spindle.



MARATHON MOTOR

Robust Metabo Marathon Motor
for extra long service life thanks to special protection from abrasive effects of dust

Vario Tacho Constamatic (VTC) Full-wave Electronics
Maintains speed for highest drilling output with all drill diameters. Variable change of the speed for material-matched working



Rotating carbon brush bridge
for maximum performance even in anti-clockwise rotation, e.g. when removing stubborn screws



Overload protection and restart protection
for the safety of the user and the machine

Cable-protecting ball joint
to protect electrical connections and allow freedom of motion when working

SBE 1100 Plus



Impact Drills
Powerful. Robust. Durable. These versatile all-rounders convince with highest performance and reliability on the construction site and in the workshop.



Drills
Whether highly accurate with Futuro Top drill chuck in the metal sector or powerful and durable with the practical Metabo Quick system in the wood sector - specialists for any application.



Magnetic Core Drills
Mains-powered for continuity in tough everyday work or maximum flexibility thanks to innovative cordless magnetic drilling technology with the MAG 28 LTX 32 - for versatile applications.

WHICH IMPACT DRILL FOR WHICH APPLICATION?

	Impact drilling in concrete/ stone/masonry max. Ø mm	Drilling in metal / wood max. Ø mm	Output	Torque limiting clutch	Marathon motor	Constant electronics	Restart protection	Overload protection	Impuls function
<div style="display: flex; justify-content: space-around; align-items: center;"> </div>									
1-speed Impact Drills									
	SBE 610	12 mm	10	20	610 Watt				
	SB 650 / SBE 650 / SBE 650 Impuls	16 mm	13	30	650 Watt				- / - / •
2-speed Impact Drills									
	SB 760 / SBE 760	16 mm	13	40	760 Watt				
	SB 710 / SBE 710	20 mm	13	40	710 Watt	•	•		
	SBE 751	20 mm	13	40	750 Watt	•	•		
	SBE 850	20 mm	13	40	850 Watt	•	•		
	SB 900 Impuls	20 mm	13	40	900 Watt	•	•	•*	•
	SBE 1000	20 mm	16	40	1,000 Watt	•	•	•	•
	SBE 1100 Plus	20 mm	16	40	1,100 Watt	•	•	•	•
	SBE 1300	20 mm	16	40	1,300 Watt	•	•	•	•

* VC electronics

■ ideal range

■ possible range

For even larger diameters when drilling in hard materials we recommend to use a Metabo drill, combination or mult-hammer.

Equipment: • present



Technical Data	Impact Drill SBE 610	Impact Drill SB 650	Impact Drill SBE 650	Impact Drill SBE 650 Impuls
Rated input power	610 W	650 W	650 W	650 W
Output power	360 W	320 W	320 W	320 W
Maximum torque - soft	13 Nm	9 Nm	9 Nm	9 Nm
Drill diameter in				
- Concrete	12 mm	16 mm	16 mm	16 mm
- Steel	10 mm	13 mm	13 mm	13 mm
- Soft wood	20 mm	30 mm	30 mm	30 mm
No-load speed	0 - 3,100 /min	2,800 /min	0 - 2,800 /min	0 - 2,800 /min
Revolutions at rated load	1,900 /min	1,500 /min	1,500 /min	1,500 /min
Maximum impact rate	62,000 /min	44,800 /min	44,800 /min	44,800 /min
Chuck capacity	1.5 - 13 mm	1.5 - 13 mm	1.5 - 13 mm	1.5 - 13 mm
Collar diameter	43 mm	43 mm	43 mm	43 mm
Drill spindle with hexagonal recess	1/4" (6.35 mm)	1/4" (6.35 mm)	1/4" (6.35 mm)	1/4" (6.35 mm)
Drill spindle thread	1/2" - 20 UNF	1/2" - 20 UNF	1/2" - 20 UNF	1/2" - 20 UNF
Weight (without power cable)	2 kg	1.8 kg	1.8 kg	1.8 kg
Cable length	4 m	2.6 m	2.6 m	2.6 m

Scope of delivery

Order number	606101	600670	600671 ^{1) 2)}	600672
Geared chuck		■		
Chuck key		■		
Futuro Plus keyless chuck	■		■	■
Side handle	■	■	■	■
Drilling depth guide	■	■	■	■
Plastic carry case	■		■	■

¹⁾ also available in 120 V (North/Latin America)

²⁾ also available in 110 V (UK)

Product advantages

- Vario (V)-electronics for working at customised speeds to suit various application materials.
- Thumbwheel for speed preselection
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Forward and reverse rotation
- Spindle with hexagonal recess for screwdriver bits for working without chuck
- Vario (V)-electronics for working at customised speeds to suit various application materials.
- Thumbwheel for speed preselection
- Forward and reverse rotation
- Selectable »impulse« mode for removal of damaged screws and for spot-drilling on smooth surfaces
- Vario (V)-electronics for working at customised speeds to suit various application materials.
- Thumbwheel for speed preselection
- Forward and reverse rotation

System components

Accessories ▶ 228



Technical Data	Impact Drill SB 760	Impact Drill SBE 760	Impact Drill SB 710	Impact Drill SBE 710
Rated input power	760 W	760 W	710 W	710 W
Output power	370 W	370 W	420 W	420 W
Maximum torque - soft	24 Nm/9 Nm	24 Nm/9 Nm	28 Nm/12 Nm	28 Nm/12 Nm
Drill diameter in				
- Concrete	16 mm	16 mm	20 mm	20 mm
- Steel	13 mm/8 mm	13 mm/8 mm	13 mm/8 mm	13 mm/8 mm
- Soft wood	40 mm/25 mm	40 mm/25 mm	40 mm/25 mm	40 mm/25 mm
No-load speed	1,200/3,200 /min	0 - 1,200 / 0 - 3,200 /min	1,000/3,100 /min	0 - 1,000 / 0 - 3,100 /min
Revolutions at rated load	800/2,300 /min	800/2,300 /min	600/1,800 /min	600/1,800 /min
Maximum impact rate	58,000 /min	58,000 /min	59,000 /min	59,000 /min
Chuck capacity	1.5 - 13 mm	1.5 - 13 mm	1.5 - 13 mm	1.5 - 13 mm
Collar diameter	43 mm	43 mm	43 mm	43 mm
Drill spindle with hexagonal recess	1/4" (6.35 mm)	1/4" (6.35 mm)	1/4" (6.35 mm)	1/4" (6.35 mm)
Drill spindle thread	1/2" - 20 UNF	1/2" - 20 UNF	1/2" - 20 UNF	1/2" - 20 UNF
Weight (without power cable)	2.3 kg	2.3 kg	2.7 kg	2.7 kg
Cable length	2.6 m	2.6 m	4 m	4 m

Scope of delivery

Order number	600840	600841 ^{1) 2)}	600861 ¹⁾	600862 ^{1) 2)}
Geared chuck	■		■	
Chuck key	■		■	
Futuro Plus keyless chuck		■		■
Side handle	■	■	■	■
Drilling depth guide	■	■	■	■
Plastic carry case		■		■

¹⁾ also available in 120 V (North/Latin America)

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Product advantages

- Vario (V)-electronics for working at customised speeds to suit various application materials.
- Thumbwheel for speed preselection
- Forward and reverse rotation
- Spindle with hexagonal recess for screwdriver bits for working without chuck
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Metabo Marathon motor with patented dust protection for long service life
- Vario (V)-electronics for working at customised speeds to suit various application materials.
- Thumbwheel for speed preselection
- Forward and reverse rotation
- Spindle with hexagonal recess for screwdriver bits for working without chuck

■ Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive for safe working should the tool stop unexpectedly.

System components

Accessories ▶ 228