

OPTIdrill® B 50GSM

Heavy duty gearbox drill for industrial use

With coolant and thread tapping unit, and automatic spindle sleeve feed

Facts that impress in terms of quality, performance and price

- ▶ Heavy, solid cast design
- ▶ Smooth action due to polished gearwheels running in an oil sump
- ▶ Excellent concentricity thanks to tempered and ground main spindle
- ▶ Two-stage drive motor
- ▶ Right-handed/left-handed rotation
- ▶ Automatic gearwheel lubrication via oil pump
- ▶ Thread tapping device.
- ▶ Main switch and motor circuit breaker
- ▶ Motorised table height adjustment
- ▶ Machine lamp integrated into drilling head
- ▶ Generously dimensioned, height adjustable protective screen with safety switch for greatest possible user protection
- ▶ Generously dimensioned drilling table, solid, precision workmanship, with parallel T-slots and recirculating coolant duct, reinforcing ribs on rear, rotates through $\pm 90^\circ$ about the column, laterally tilting
- ▶ Cooling unit and external coolant tank, can be removed for easier and complete emptying
- ▶ Chip filter in line with Machinery Directive
- ▶ Extremely stable, thick-walled cast-iron column – column diameter 200 mm – for excellent force absorption
- ▶ Solid base plate with parallel T-slots, precision surface finish

Heavy, solid
cast design
950 kg
Smooth action, stable

Integrated push-out tool



- › Spindle lock with integrated ejector for easy tool change

Automatic spindle sleeve feed



- › For deep drilling or blind hole drilling, the clutch on the automatic spindle sleeve feed can be released or engaged at any time by pressing the button on the feed handle.



Fig.: B 50GSM

Technical specifications, accessories and dimensions



Model	B 50GSM
Article no.	3034500
Technical specifications	
Electrical connection	400 V / 3 Ph ~50 Hz
Total rated value	2.4/3.0 kW
Coolant pump motor	40 W
Drilling performance	
Drilling performance in steel (S235JR)	Ø 50 mm
Continuous drilling performance in steel (S235JR)	Ø 45 mm
Thread tapping steel (S235JR)	M42
Spindle seat	
Spindle sleeve stroke	230 mm
Spindle seat	MT 4
Throat	375 mm
Autom. spindle sleeve feed	6 speeds: 0.05-0.3 mm/rev
Speeds	
Spindle speeds	54 - 2 090 rpm
Number of speeds	18 speeds
Drilling table	
Workspace drilling table length x width	600 x 600 mm
T-slot size	18 mm, diagonal
Drilling table load bearing capacity	300 kg
Drill table rotation/lateral tilt	360° / ± 90°
Clearance spindle - drilling table	max. 800 mm
Machine base	
Machine base workspace length x width	600 x 520 mm
T-Slot size / no / distance	18 mm / 2 / 280 mm
Distance spindle - machine base	max. 1 300 mm
Dimensions	
Column diameter	Ø 200 mm
Length x width x height	985 x 775 x 2 460 mm
Overall weight	950 kg

Scope of supply

- > Quick-action drill chuck 1 - 16 mm
- > Morse taper MT 4/B16
- > T-slot nuts

Accessories	Article no.
Assortment of clamping tools size 16, 58-parts	3352019
Hold-down device 18 mm/M16	3352032
Twist drill bits HSS-CO 5%, 25 parts	3201010
Twist drill bits HSS-CO 5%, 51 parts	3201020
Twist drill bits HSS-CO 5%, 41 parts	3201021
Direct quick release chuck 1 - 16 mm	3050574
Reduction sleeve MT 4 - MT 3	3050664
Reduction sleeve MT 4 - MT 2	3050665
Thermdrill MT 2	3060005
> More „Accessories for drills“ from page 64	

Machine vices	Article no.
BSI 140	3000214
BSI 200	3000220
BSI-Q 140	3000234
BSI-Q 200	3000240
> Information on the vices on page 71	

