

OPTI[®]drill DH 18V

Rugged table drilling machine with powerful OPTIMUM brushless drive.

Machine highlight - menu-controlled operation of the drilling/thread tapping operation modes

Facts that impress in terms of quality, performance and price

- ▶ Smooth action and powerful brushless drive
- ▶ Best possible force transmission thanks to aluminium pulleys in combination with GATES quality toothed belts
- ▶ Smooth action thanks to polished multi-tooth carrier
- ▶ Guaranteed concentricity guaranteed to be less than 0.015 mm measured in the drilling spindle sleeve
- ▶ Drilling spindle with precision ball bearings
- ▶ Membrane keyboard; soiling and water resistant, easy to clean
- ▶ Premium OPTIMUM quick clamping chuck as standard
- ▶ Separate emergency stop button
- ▶ Precise workmanship; stable drilling table with diagonal T-slots, 360° rotation
- ▶ Circumferential coolant channel surrounding the drilling table
- ▶ Generously dimensioned, height adjustable protective screen with safety switch for greatest possible user protection
- ▶ Drilling depth stop
- ▶ V-belt cover with safety switch
- ▶ V-belt tensioning device
- ▶ Solid baseplate with, pronounced ribbing on rear

Powerful brushless drive



- › Particularly smooth action
- › Extremely powerful
- › Virtually constant torque over the entire speed range

Menu-controlled operation Working modes drilling / Threading



- OLED-Display**
- › Drilling
 - › Thread tapping
 - › Workpiece thickness selection
 - › Spindle speed
 - › Depth display (target/actual)

Thermdrill



- › Information see page 72



Figure: DH 18V

Technical specifications, accessories and dimensions



Model	DH 18V
Article no.	3020220
Technical specifications	
Electrical connection	230 V / 1 Ph ~50 Hz
Motor output	1.5 kW
Drilling performance	
Drilling performance in steel (S235JR)	Ø 18 mm
Continuous drilling performance in steel (S235JR)	Ø 16 mm
Thread tapping steel (S235JR)	M10
Spindle	
Spindle sleeve stroke	65 mm
Spindle seat	MT 2
Throat	132 mm
Speeds	
Spindle speeds	100 - 6 000 rpm
Number of speeds	5 speeds Electronic speed control
Drilling table	
Drilling table workspace L x W	230 x 245 mm
T-slot size	12 mm, diagonal
Rotating drilling table	360°
Clearance spindle - drilling table	max. 370 mm
Machine base	
Machine base work area L x W	220 x 240 mm
T-slot size / spacing / count	12 mm / 80 mm / 2
Distance spindle - machine base	max. 485 mm
Dimensions	
Column diameter	Ø 60 mm
Length x width x height	445 x 552 x 850 mm
Weight	64 kg

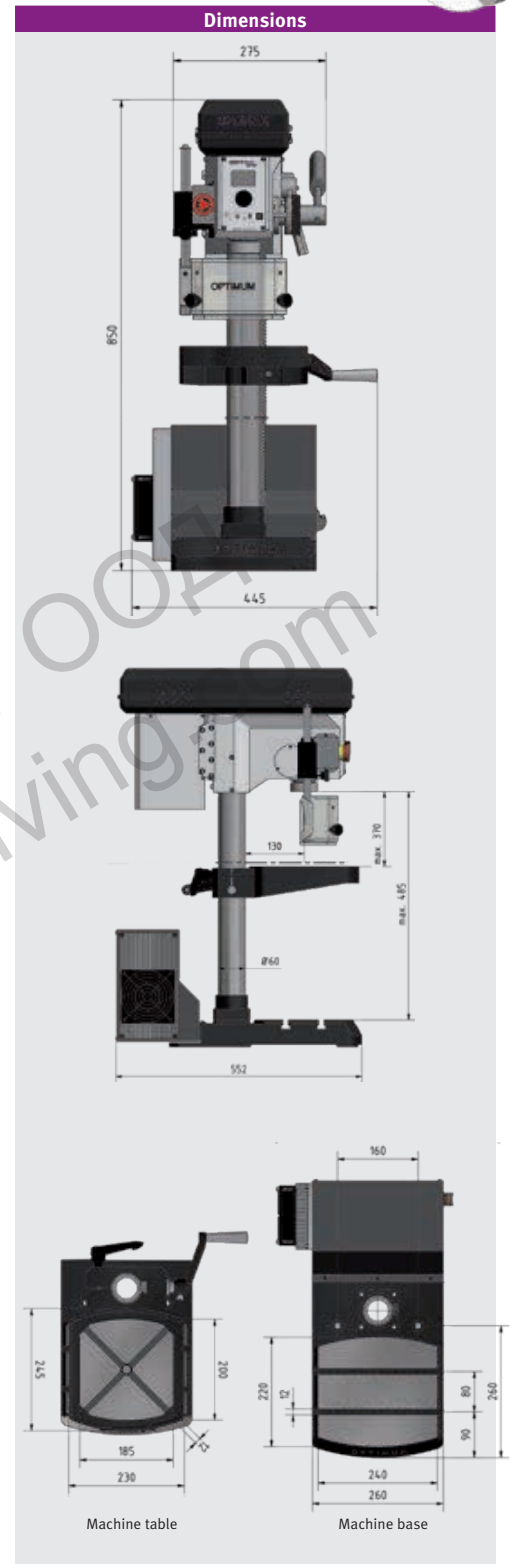
Accessories	Article no.
Quick release chuck direct MT 2 / 1 - 16 mm	3050571
Quick release chuck direct MT 2 / 1 - 13 mm	3050572
Morse taper MT 2/B16	3050659
Twist drill bit HSS / MT 2, 9 parts	3051002
Assortment of clamping tools size 10, 58-parts	3352016
Taper drill punch MSP1	3050636
Universal coolant unit 230 V	3352002
Coolant mist lubricator MMC 1 with magnetic holder	3356663
Coolant hose KMS 2	3356660
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
Thread tapping chuck 6 inserts, sizes M3 - M12	3050702
Thermdrill MT 2	3060005
Machine chassis	3353000

Information „Machine bases“ on page 135

› More „Accessories for drills“ from page 64

Machine vices	Article no.
BMS 100	3000010
BMS 120	3000012
BSI 100	3000210
BSI-Q 100	3000230

› Information on the vices on page 71



Scope of supply

- › Quick clamping drill chuck 1 - 13 mm
- › Morse taper MT 2
- › T-slot nuts