

Gear drilling machine

OPTIdrill B 50GSM

Heavy duty for industrial use. With coolant and thread cutting device, as well as automatic quill feed

Article number ▼

3034500

Brand ▼

Optimum

Catalog directory ▼

Metalworking machines » Drilling machines
» Transmission drilling machines » OPTIdrill
B 50GSM

OPTIMUM[®]
MASCHINEN - GERMANY



Shipping informations ▼

Packaging Metrics		Weights		Delivery		Other	
Length	2,580 mm	Gross	920 kg	Delivery	Carrier	DualUse	✘
Width	750 mm	Net	820 kg	Content	1 pc(s).	SCIP	n/a
Height	1,140 mm					SVHC	No



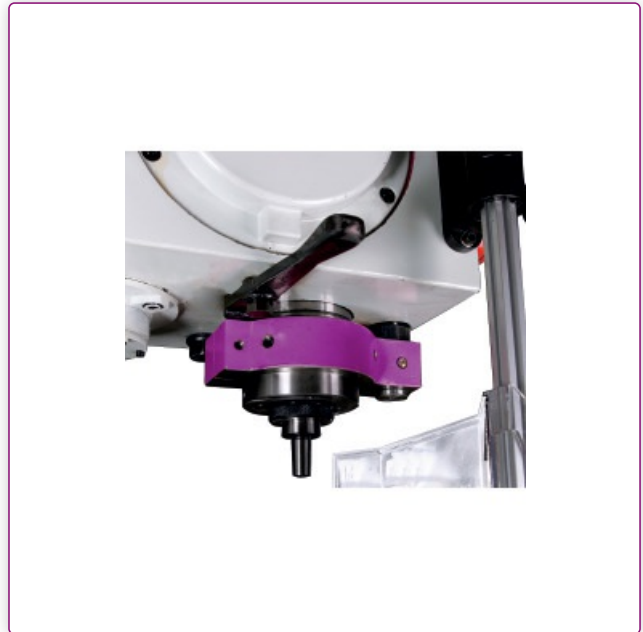
Description ▼

- Heavy, solid cast construction
- Smooth running due to polished gear wheels running in oil bath
- High concentricity due to hardened and ground main spindle
- Two-stage drive motor
- Forward/reverse operation
- Automatic gear lubrication via oil pump
- Threading attachment
- Main switch and motor protection switch
- Motorized table height adjustment
- Machine light integrated in the drill head
- Large, height-adjustable protective screen with safety switch for the utmost protection of the user
- Large dimensioned, solid drill table, precisely worked with parallel T-slots and circumferential cooling water channel, strongly ribbed on the back, 360° rotatable
- Coolant system and external coolant tank can be removed for easy and complete emptying
- Chip filter according to Machinery Directive
- Extremely stable, thick-walled cast-iron column - column diameter 200 mm - for high power consumption
- Solid base plate with parallel T-slots, precision surface finish

Delivery content ▼

- Keyless drill chuck 1 - 16 mm
- Morse taper MK 4/B16
- T-slots

Media informations ▼



Integrated ejector

Spindle lock with integrated ejector for easy tool change



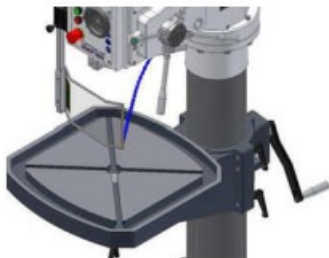
Automatic spindle sleeve feed

- The coupling of the automatic spindle sleeve feed can be opened or closed at any time for deep holes or blind holes by pressing the button on the feed handle



Table height adjustment

- motor or mechanical



Drilling table

- Largely dimensioned, solid drilling table, precisely worked with two diagonally running T-slots and circumferential cooling water channel, heavily ribbed on the back, 360° rotatable

Technical data ▼

Dimensions and weights			
Column diameter	200 mm	Length (product) approx.	985 mm
Width/depth (product) approx.	775 mm	Height (product) approx.	2460 mm
Net weight approx.	950 kg		

Drilling performance			
Drilling performance steel (S235JR)	50 mm	Continuous drilling performance steel (S235JR)	45 mm
Thread tapping steel (S235JR)	M 42		
Drilling table			
Drilling table workspace length	600 mm	Drilling table workspace width	600 mm
Drilling table T-groove type	diagonal	Drilling table T-groove size	18 mm
Drilling table T-groove number	2	Drilling table rotation	± 90 °
Drilling table load bearing capacity	300 kg	Max. distance spindle - drilling table	800 mm
Speed range			
Speed range	54 – 2090 min ⁻¹	Number of gears	18 Steps
Electrical Data			
Drive motor output	2.4 / 3.0 kW	Supply voltage	400 V
Mains frequency	50 Hz		
Machine base			
Max. distance spindle - machine base	1300 mm	Machine base workspace length	600 mm
Machine base workspace width	520 mm	Machine base T-groove size	18 mm
Machine base T-groove number	2	Machine base T-groove spacing	280 mm
Spindle			
Quill stroke	230 mm	Spindle chuck	MT 4
Reach	375 mm	Quill feed speed	0,05 – 0,3 mm/rev
Quill feed gears	6 Steps		
Motor(s)			
Coolant pump drive motor output	40 W		

Accessories ▼



Twist drill HSS with Morse taper MT 3

Article number ▼
3051003

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