

Upright drill

OPTIdrill B 28HV

Robust design with powerful Optimum brushless drive

Article number ▼

3020285

Brand ▼

Optimum

Catalog directory ▼

Metalworking machines » Drilling machines
» Drilling machines with Vario drive »
OPTIdrill B HV

Purchase ▼

Minimum 1 pc(s).



OPTIMUM[®]
MASCHINEN - GERMANY

Shipping informations ▼

Packaging Metrics		Weights		Delivery		Other	
Length	765 mm	Gross	202 kg	Delivery	Carrier	DualUse	✘
Width	500 mm	Net	166 kg	Content	1 pc(s).	SCIP	n/a
Height	1,940 mm					SVHC	No



Description ▼

- Smooth and powerful brushless drive
- Separate emergency stop impact switch
- Large, height-adjustable protective screen with safety switch for the utmost protection of the user
- Long, ergonomic aluminum die-cast quill lever
One piece cast (B 24HV with softgrip handles)
- Depth stop
- Belt cover with safety switch
- Forward / reverse operation
- Machine light

From OPTIdrill B 28HV

- Quillons made of steel
- Coolant system
- Chip filter according to the Machinery Directive
- Easy tool change through integrated expeller

OPTIdrill B 34HV

- Quill stroke 160 mm
- Tapping function
- Digital depth gauge

Special feature of the OPTIdrill B 34 HV

- **Operating mode "auto"**
 - Engine starts automatically after lever movement
 - Stops again in the starting position
 - Pushbutton Start and Stop does not have to be pressed during repetitive drilling tasks
- **Operating mode "tapping"**
 - Engine is activated by moving the handle down
 - The direction of rotation is changed by limit switches on the adjustable drilling depth stop

Equipmentdetails

Powerful brushless drive

- Especially quiet running
- High performance
- Approximately constant torque over the entire speed range

Belt drive

- Best power transmission through aluminum pulleys in conjunction with toothed GATES quality V-belt
- Smooth running thanks to ground multi-tooth driver

Digital speed display

- integrated in the housing

Speed control

- by means of potentiometer

Concentricity

- Guaranteed ; 0.015 mm measured in the quill

Spindle

- Precision ball bearings
- High quality OPTIMUM keyless chuck as standard

V-belt tensioning device

Machine light

- Integrated in the drill head
- Halogen lamp

Drilling

- Precisely worked
- Diagonal T-slots
- 360 ° rotatable
- Circulating cooling water channel

baseplate

- Solid
- Large dimensions
- Heavily ribbed on the reverse side

cast column

- Thick-walled
- High power and stability

Delivery content

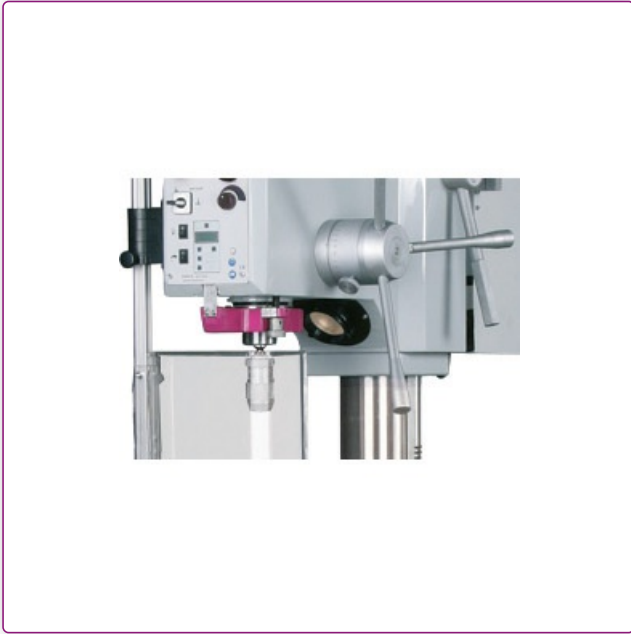
- Optimum quality keyless chuck (1 - 16 mm)
- Morse cone MK 3 / B16
- T-nuts

Media informations



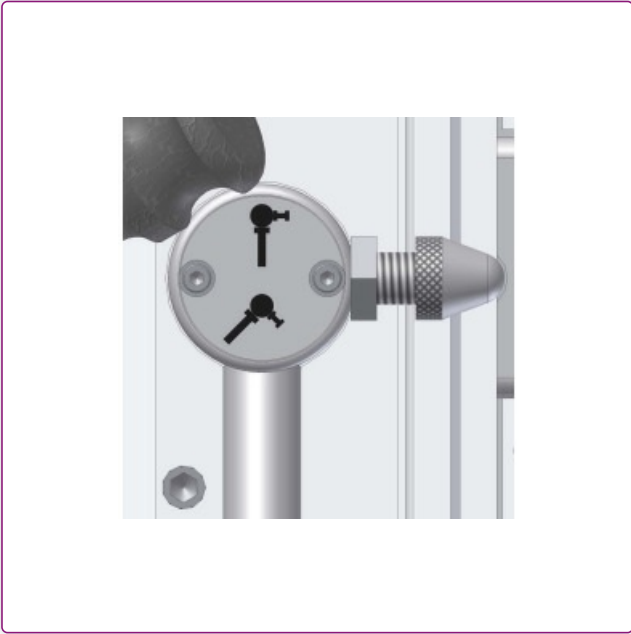
Powerful brushless drive

- Particularly quiet running
- High performance
- Almost constant torque over the entire speed range



Selector switch operating mode "auto"

- Motor starts automatically after lever movement
- Stops again in the starting position
- Start and stop pushbutton does not have to be pressed for repetitive drilling tasks



Lever V-belt tension

- Easy tensioning of the V-belts

Technical data ▼

Dimensions and weights			
Column diameter	92 mm	Length (product) approx.	701 mm
Width/depth (product) approx.	474 mm	Height (product) approx.	1755 mm

Net weight approx.	166 kg		
Drilling performance			
Drilling performance steel (S235JR)	28 mm	Continuous drilling performance steel (S235JR)	24 mm
Drilling table			
Drilling table workspace length	340 mm	Drilling table workspace width	360 mm
Drilling table T-groove type	diagonal	Drilling table T-groove size	14 mm
Drilling table rotation	360 °	Drilling table load bearing capacity	50 kg
Max. distance spindle - drilling table	860 mm		
Speed range			
Speed range	35 – 5600 min ⁻¹	Number of gears	12 Steps
Speed control	electronically adjustable		
Electrical Data			
Total rated value	1,5 kW	Supply voltage	230 V
Mains frequency	50 Hz		
Machine base			
Max. distance spindle - machine base	1285 mm	Machine base workspace length	320 mm
Machine base workspace width	320 mm	Machine base T-groove size	14 mm
Machine base T-groove number	2	Machine base T-groove spacing	120 mm
Standards and certifications			
Standard	DIN EN 55011	EMV-Class	C3
Spindle			
Quill stroke	105 mm	Spindle chuck	MK 3
Reach	200 mm		
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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