

Upright drill

OPTIdrill DP 33V

With V-belt drive in a modern design

Article number ▼

3020680

Brand ▼

Optimum

Catalog directory ▼

Metalworking machines » Drilling machines

» Drilling machines with V-belt drive »
OPTIdrill DP V



Delivery content



- Quick-release drill chuck 0 - 16 mm
- T-Nutensteine
- Outing
- Adapter MK 4-B16
- Operating tool
- Vice BMP 160

Shipping informations ▼

Packaging Metrics		Weights		Delivery		Other	
Length	n/a	Gross	n/a	Delivery	Carrier	DualUse	✘
Width	n/a	Net	n/a	Content	1 pc(s).	SCIP	n/a
Height	n/a					SVHC	No



Description ▼

- Industrial motor
- Quiet running spindle thanks to new spindle design
- Machine operation with safety electrics in 24 V DC voltage
- Guaranteed concentricity ≤ 0.02 mm measured in the drilling spindle
- Right/left rotation
- Precision spindle bore
- Control panel with user-friendly, dirt and water resistant membrane keypad
- Speed display
- Separate emergency stop impact switch
- Thread cutting function
- Precisely machined, stable drilling table with diagonally running T-slots with circumferential cooling water channel, laterally tiltable by $\pm 45^\circ$ and 360° rotatable
- Digital depth gauge
- LED machine light integrated in drill head
- V-belt cover with safety switch
- Thick-walled steel column for high force absorption and stability
- Solid, large-dimensioned base plate with T-slots
- Heavy-duty design of the entire machine

Media informations ▼



Belt drive

- High quality Gates belts
- The toothed V-belts allow a higher power transmission to the shaft due to their smaller wrap angle at the V-belt pulleys
- Easy adjustment of belt tension via eccentric (knee lever)



Siemens SINAMICS V 20 frequency converter

- Energy saving features
- Advanced cooling
- Made in EU



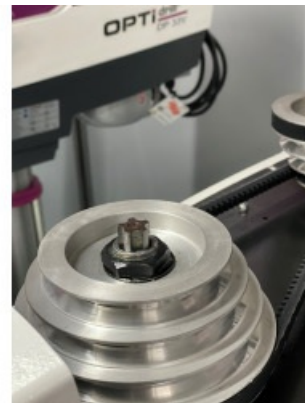
Modern operating concept

- Easy to read digital display showing speed, depth and zero



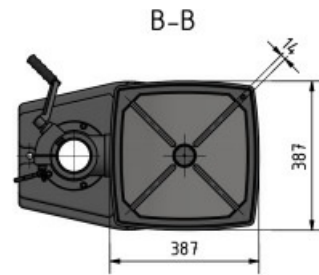
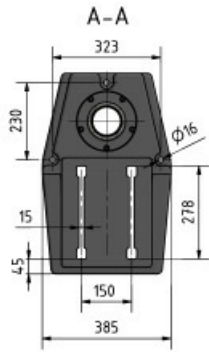
Drilling table

- Precisely worked
- Sturdy with diagonal T-slots



Spindle

- Excellent running smoothness thanks to new spindle geometry



Technical data ▼

Dimensions and weights			
Length (product) approx.	945 mm	Column diameter	92 mm
Width/depth (product) approx.	480 mm	Height (product) approx.	1880 mm
Net weight approx.	177 kg		
Drilling performance			
Drilling performance steel (S235JR)	30 mm	Continuous drilling performance steel (S235JR)	25 mm
Drilling table			
Drilling table workspace length	387 mm	Drilling table workspace width	387 mm
Drilling table T-groove type	diagonal	Drilling table T-groove size	14 mm
Drilling table T-groove number	2	Drilling table rotation	360 °
Drilling table angle	±45 °	Drilling table load bearing capacity	65 kg
Max. distance spindle - drilling table	775 mm		
Speed range			
Speed range	70 – 2800 min ⁻¹	Number of gears	9 Stages

Electrical Data			
Supply voltage		400 V	Mains frequency
			50 Hz
Machine base			
Max. distance spindle - machine base		1300 mm	Machine base workspace length
			270 mm
Machine base workspace width		327 mm	Machine base T-groove size
			16 mm
Machine base T-groove number		2	Machine base T-groove spacing
			150 mm
Spindle			
Quill stroke		125 mm	Spindle chuck
			MT 4
Reach		270 mm	
Motor(s)			
Spindle motor drive output		1.1 kW	