

Upright drill

OPTIdrill D 33Pro

with V-belt drive

Article number ▼

3003040

Brand ▼

Optimum

Catalog directory ▼

Metalworking machines » Drilling machines

» Drilling machines with V-belt drive » OPTIdrill D

OPTIMUM[®]
MASCHINEN - GERMANY



Shipping informations ▼

Packaging Metrics		Weights		Delivery		Other	
Length	1,480 mm	Gross	145 kg	Delivery	Carrier	DualUse	✘
Width	650 mm	Net	132 kg	Content	4 pc(s).	SCIP	n/a
Height	300 mm					SVHC	No



Description ▼

- Industrial engine
- Easy to use safety switch according to IP 54
- Digital drilling depth and speed indicator integrated in the housing
- Separate emergency stop impact switch
- Precision Spindle bore
- Safety electronics in 24 V DC
- Guaranteed concentricity measured less than 0.02 mm in the drill quill
- Drill spindle with precision ball bearings
- High quality keyless chuck
- Depth stop
- Precision machined, stable drill table with diagonal T-slots and circumferential cooling water channel
- V-belt cover with safety switch
- One piece cast aluminum die-cast quill lever with softgrip handles
- Large, height-adjustable protective screen with safety switch
- Heavy version of the entire machine

From D 23 Pro

- GATES quality strap

From D 23 Pro / 400 V

- Forward / reverse operation

D 33Pro

- Massive, large base plate with T-slots, strongly ribbed on the back

Delivery content ▼

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

Media informations ▼



Belt drive

- High smoothness thanks to ground multi-tooth contact
- Best power transmission by aluminium pulleys in combination with toothed GATES quality wedge belts (from OPTIdrill D 23PRO)



Display

- Digital drilling depth and speed display integrated in housing
- Unit convertible metric / inch



Drilling table

- Precisely machined, stable drilling table with diagonally running T-slots and circumferential cooling water channel
- Laterally tiltable ± 45
- Rotatable 360



Motor

- Industrial motor

Technical data ▾

Dimensions and weights			
Column diameter	92 mm	Length (product) approx.	755 mm
Width/depth (product) approx.	440 mm	Height (product) approx.	1705 mm
Net weight approx.	132 kg		
Drilling performance			
Drilling performance steel (S235JR)	30 mm	Continuous drilling performance steel (S235JR)	25 mm
Drilling table			
Drilling table workspace length	475 mm	Drilling table workspace width	425 mm
Drilling table T-groove size	14 mm	Drilling table rotation	360 °
Drilling table angle	45 °	Max. distance spindle - drilling table	695 mm
Speed range			
Speed range	120 – 1810 min ⁻¹	Number of gears	9
Electrical Data			
Drive motor output	1,1 kW	Supply voltage	400 V
Mains frequency	50 Hz		
Machine base			
Max. distance spindle - machine base	1180 mm	Machine base workspace length	410 mm
Machine base workspace width	325 mm	Machine base T-groove size	16 mm
Machine base T-groove number	2	Machine base T-groove spacing	250 mm
Spindle			
Quill stroke	120 mm	Spindle chuck	MT4
Reach	254 mm		

Accessories ▾



Twist drill HSS with Morse taper

MT 3

Article number ▼

3051003

OPTIMUM[®]
MASCHINEN - GERMANY