

Gear drilling machine

OPTIdrill DH 45V

Heavy duty tapping attachment for industrial use. With continuously adjustable speed control

Article number

3034262

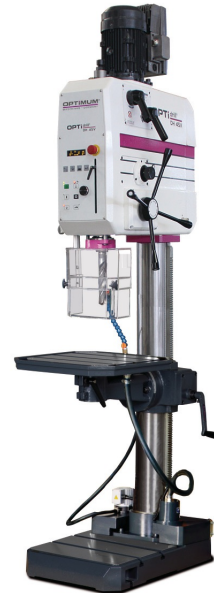
Brand

Optimum

Catalog directory

Metalworking machines » Drilling machines
 » Transmission drilling machines » OPTIdrill
 DH 45G / DH 45V

OPTIMUM[®]
 MASCHINEN - GERMANY



Packaging Metrics		Weights		Delivery		Other	
Length	2,540 mm	Gross	550 kg	Delivery	Carrier	DualUse	x
Width	700 mm	Net	500 kg	Content	1 pc(s).	SCIP	n/a
Height	1,110 mm					SVHC	No



Description ▼

- Dirt and water resistant, easy to clean membrane keypad
- Electronics 24V DC
- Drilling depth stop
- Automatic gear lubrication via oil pump
- Thread cutting device
- Machine light integrated in drill head
- Main switch
- Largely dimensioned, height-adjustable safety screen with safety switch for the greatest possible protection of the operator
- Largely dimensioned, solid drilling table, precisely machined with parallel T-slots and circumferential cooling water channel, heavily ribbed at the rear, can be tilted sideways by $\pm 90^\circ$.
- Coolant unit and external coolant tank can be removed for easy and complete emptying
- Extremely stable, thick-walled cast column for high force absorption
- Solid base plate with parallel T-slots, precisely surface machined
- Optional foot switch available for switching between clockwise and counterclockwise rotation and for thread cutting (article no. 3050032)

OPTidrill DH 45V

- Electrically operated quill feed
- Programmable feed cut-off
- Easy to read digital display
- Digitally adjustable drilling and tapping depth
- Digital zero point can be set
- With infinitely variable speed control

OPTidrill DH 45G

- Mechanical quill feed

Delivery content ▼

- Keyless chuck 1 - 16 mm
- Morse cone MK 4-B16
- Transmission oil

Media informations ▼

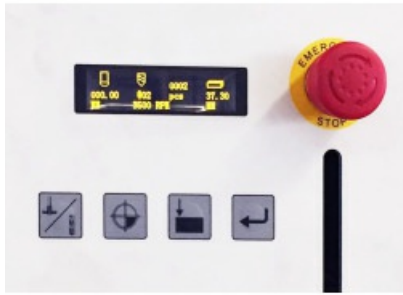


Figure shows DH 45V with optional drill bit



Ejector

- For easy tool change



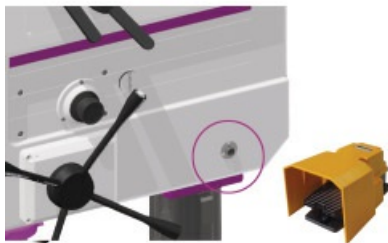
Modern operating concept

- Easy-to-read digital display for showing speed, drilling depth, thread depth and piece counter
- Feed cut-off via depth setting



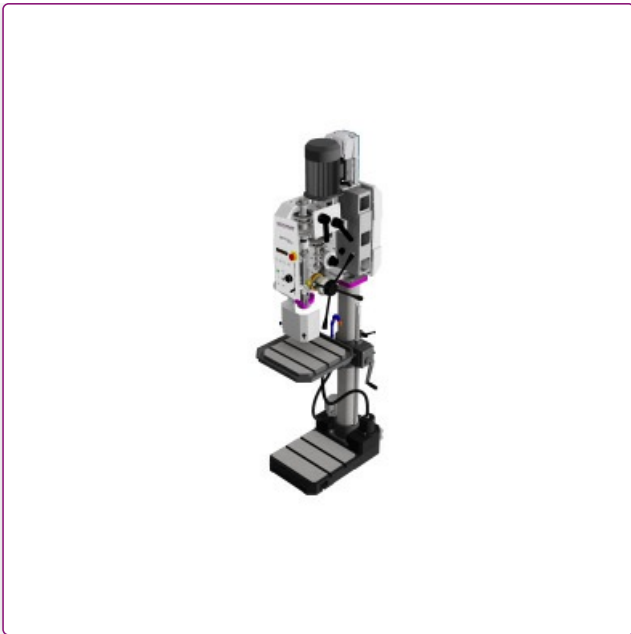
Siemens Sinamics G110M

- Decentralized inverter with high degree of protection (up to IP66) has a modular design, consisting of control unit and power module
- With integrated EMC filter as standard



Foot switch

- Possibility to connect the optional foot switch for switching between clockwise/anticlockwise rotation and for thread cutting (article no. 3050032) available




Technical data ▼

Dimensions and weights			
Column diameter	150 mm	Length (product) approx.	880 mm
Width/depth (product) approx.	595 mm	Height (product) approx.	2445 mm
Net weight approx.	550 kg		
Drilling performance			
Drilling performance steel (S235JR)	40 mm	Continuous drilling performance steel (S235JR)	35 mm
Thread tapping steel (S235JR)	M 35		
Drilling table			
Drilling table workspace length	530 mm	Drilling table workspace width	530 mm
Drilling table T-groove size	18 mm	Drilling table T-groove number	3
Drilling table T-groove spacing	125 mm	Drilling table rotation	360 °
Drilling table angle	± 90 °	Drilling table load bearing capacity	250 kg
Max. distance spindle - drilling table	740 mm	Min. distance spindle - drilling table	130 mm
Speed range			
Speed range	30 – 2430 min ⁻¹	Number of gears	4 Steps
Speed control	electronic		
Electrical Data			
Drive motor output	2,2 kW	Supply voltage	400 V
Mains frequency	50 Hz		
Machine base			
Max. distance spindle - machine base	1210 mm	Machine base workspace length	435 mm
Machine base workspace width	445 mm	Machine base T-groove size	18 mm
Machine base T-groove number	2	Machine base T-groove spacing	150 mm
Spindle			
Quill stroke	170 mm	Spindle chuck	MT 4
Reach	350 mm	Quill feed	automatic
Quill feed speed	0,1 – 0,2 mm/rev	Quill feed gears	3 Steps
Motor(s)			
Coolant pump drive motor output	100 W		



Twist drill HSS with Morse taper
MT 3

Article number 
3051003

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