

Radial drill

OPTIdrill RD 6

Precision-working, solid radial drilling machines in top quality. Ideal for variable use in single part and series production.

OPTIMUM[®]
MASCHINEN - GERMANY

Article number ▼

3049070

Brand ▼

Optimum

Availability ▼

No stock available

Information:

Next availability

Expected on calendar week 48/2023

Catalog directory ▼

Metalworking machines » Drilling machines

» Radial drilling machines » OPTIdrill RD

Purchase ▼

Minimum 1 pc(s).




Delivery content ▼

- worktable

Shipping informations ▼

Packaging Metrics		Weights		Delivery		Other	
Length	2,700 mm	Gross	3,650 kg	Delivery	Special transportation	DualUse	✘
Width	1,130 mm	Net	3,300 kg	Content	1 pc(s).	SCIP	n/a
Height	2,430 mm					SVHC	No

Root data ▼

Country of origin	EAN	Custom number	Quantity unit
 Taiwan	4030635033384	84592900	pc(s).



Description ▼

- Versatile application, such as Drilling, rubbing, tapping
- Electrically braked engine
- 24V DC electrics and 2-channel safety chain according to DIN EN 12717
- Heavy, massive, high quality quality casting
- Wide reach through horizontally adjustable machine head
- Clearly arranged control panel
- Smooth-running swivel and travel axes
- Elaborately machined column pivoting with optimized clamping for maximum stability with minimum clamping offset
- Robust, rigid construction of the boom
- Height adjustment of the boom via powerful motor drive and lifting spindle
- In oil bath running gear of the drill head
- Boom guideways hardened and precision ground
- Geared gears made of chrome-nickel-steel, hardened and precision ground, thus quiet and smooth running
- Drilling head and column can be clamped or loosened together or separately
- Forward and reverse running
- Massive, exact drill table, large dimensions
- Hardened and ground worktable with parallel T-slots
- machine light
- Overload protection
- Thick-walled cast-iron column ensures smooth running and stability
- led lamp
- Coolant device with coolant tank in the machine foot

RD 4 / RD 5

- All axes are clamped manually

RD 6

- Pillar is hydraulically clamped

Media informations ▼



Figure shows RD 5 with optional drill and vice



DC control cabinet

- All contactors and relays from Siemens and Schneider
- Complete and clear



Extendable safety switch

- Compliant with DIN 12717



Column pivoting

- Elaborately crafted column swivel with optimized clamping for maximum stability with minimal clamping offset



RD 6 - Clamping


The column is clamped hydraulically

Technical data

Dimensions and weights			
Column diameter	320 mm	Length (product) approx.	2670 mm
Width/depth (product) approx.	1120 mm	Height (product) approx.	2760 mm
Net weight approx.	3200 kg		
Boom			
Boom angle of rotation	± 180 °		
Drilling performance			
Drilling performance steel (S235JR)	50 mm	Continuous drilling performance steel (S235JR)	45 mm

Drilling table			
Drilling table T-groove size	14 mm	Drilling table T-groove number	4
Drilling table T-groove spacing	180 mm	Max. distance spindle - drilling table	1420 mm
Clamping table length	630 mm	Clamping table width	500 mm
Clamping table height	500 mm	Cube table T-groove size	22 mm
Cube table T-groove number	3	Cube table T-groove spacing	150 mm
Min. distance spindle to clamping table	0 mm	Max. distance spindle to clamping table	910 mm
Min. distance spindle - drilling table	465 mm		
Speed range			
Speed range	44 – 1023 min ⁻¹	Number of gears	12
Electrical Data			
Total rated value	6.5 kW	Supply voltage	400 V
Mains frequency	50 Hz		
Machine base			
Machine base workspace length	2550 mm	Machine base workspace width	970 mm
Spindle			
Quill stroke	270 mm	Spindle chuck	MT5
Quill feed speed	0.06 – 0.2 mm/rev	Quill feed gears	3
Travel			
Travel X axis manual	1250 mm	Travel Z axis manual	680 mm
Max. distance spindle - column	1600 mm	Min. distance spindle - column	350 mm
Motor(s)			
Spindle motor drive output	4 kW	Boom lift motor drive output	1,5 kW
Coolant pump drive motor output	90 W	Hydraulic clamping drive	0,75 kW

Accessories ▼




Twist drill HSS with Morse taper MT 3

Article number ▼ 3051003

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



Prices on this data sheet are recommended retail prices, subject to change, in €, plus VAT at the statutory rate, plus packaging, shipping, transport, unloading, assembly and, if applicable, instruction costs. Sales prices of the dealers can deviate. No liability is accepted for printing errors, mistakes or incorrect presentation. Technical and optical changes are reserved. Illustration partly with optional accessories.