

# DATASHEET

### **Radial drill**

## **OPTIdrill RD 6**

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

#### Article number v

3049070

#### Brand 🗸

Optimum

#### Availability 🗸

No stock available Information: Next availability Expected on calendar week 48/2023

#### Catalog directory v

Metalworking machines » Drilling machines » Radial drilling machines » OPTIdrill RD

#### Purchase 🗸

Minimum 1 pc(s).

#### Delivery content v

• 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 v



#### DC control cabinet

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

Figure shows RD 5 with optional drill and vice





Extendable safety switch

• Compliant with DIN 12717

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



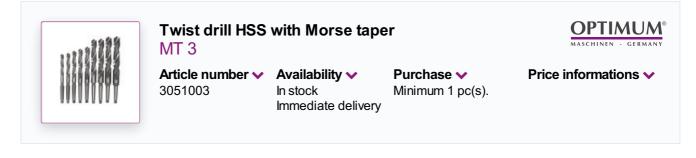
**RD 6 - Clamping** The column is clamped hydraulically

#### Technical data 🗸

Dimensions and weights			
Column diameter	320 mm	320 mm Length (product) approx.	
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 <sup></sup> 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 🗸



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