

## Precision, solid radial drilling machines, premium quality Ideal for versatile deployment in one-off and serial production

### Facts that impress in terms of quality, performance and price

- ▶ Versatile range of applications, such as drilling, reaming, thread cutting
- ▶ Electrically braked motor
- ▶ Operating elements with 24V DC electrics and 2-channel safety chain in accordance with DIN EN 12717
- ▶ Heavy, solid, premium quality casting
- ▶ Long throat thanks to horizontally adjustable machine head
- ▶ Clearly-arranged control panel layout
- ▶ Smooth action pivoting and travel axes
- ▶ Torsionally stiff boom design, capable of supporting heavy loads
- ▶ Height-adjustment of boom via powerful motorised drive and lifting spindle
- ▶ Drilling head gear box runs in oil sump
- ▶ Boom guideways hardened and precision ground
- ▶ Gear wheels made of chrome-nickel steel, hardened and precision ground for lower noise and smooth action
- ▶ Drilling head and column can be clamped or released separately
- ▶ Clockwise/anticlockwise rotation
- ▶ Solid, generously dimensioned precision drilling table
- ▶ Hardened and ground clamping table with parallel T-slots
- ▶ Machine lamp
- ▶ Overload protection
- ▶ Thick-walled cast column ensures very smooth action and stability
- ▶ LED lamp
- ▶ Coolant unit with coolant tank in machine base
- ▶ Clamping table included in the scope of delivery

#### RD 4

- ▶ All axes are clamped manually

#### RD 6 / RD 7

- ▶ Column is clamped hydraulically



**CLAMPING TABLE**  
• in the scope of delivery

Fig.: RD 5 with optional drill bit and vice

### Arguments,...



#### DC CONTROL CABINET

- › All contactors and relays by **SIEMENS** and **Schneider**
- › Complete and clear



#### PULL-OUT SAFETY SWITCH

- › Standards-compliant as per DIN 12717



#### COLUMN SWIVEL FEATURE

- › This elaborately crafted column swivel features optimised clamping for maximum stability and minimal offset.



#### RD 6/RD 7 - CLAMPING

- › The column is clamped hydraulically



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**Information & Video**

## Technical data and accessories

Model	RD 4	RD 6	RD 7
Article no.	3049040	3049070	3049080
<b>Output</b>			
Electrical connection	400 V / 3 Ph ~50 Hz	400 V / 3 Ph ~50 Hz	400 V / 3 Ph ~50 Hz
Total rated value	3 kW	6.5 kW	11 kW
Spindle motor drive output	1.5 kW	4 kW	5.6 kW
Drive power cantilever arm	0.75 kW	1.5 kW	1.5 kW
Hydraulic clamping drive	-	0.75 kW	0.75 kW
Coolant pump motor	90 W	90 W	90 W
<b>Drilling performance</b>			
Drilling performance in steel (S235JR)	Ø 32 mm	Ø 50 mm	Ø 70 mm
Continuous drilling performance in steel (S235JR)	Ø 28 mm	Ø 45 mm	Ø 65 mm
<b>Spindle</b>			
Spindle sleeve stroke	220 mm	270 mm	370 mm
Spindle seat	MT 4	MT 5	MT 5
Automatic spindle sleeve feed	3 stages: 0.05 - 0.15 mm/rev	3 stages: 0.06 - 0.2 mm/rev	3 stages: 0.07 - 0.96 mm/rev
<b>Boom</b>			
Angle of rotation	± 180°	± 180°	± 180°
Drilling head travel (horizontal)	530 mm	1250 mm	1185 mm
Boom lift travel (vertical)	580 mm	680 mm	1000 mm
<b>Rotational speeds</b>			
Spindle speeds	73 - 1247 min <sup>-1</sup>	44 - 1206 min <sup>-1</sup>	29 - 1575 min <sup>-1</sup>
Number of speeds	6	12	12
<b>Drill table</b>			
Large base L x W	1260 x 700 mm	2550 x 970 mm	2,920 x 1,120 mm
Base work area L x W x H	828 x 522 mm	1800 x 830 mm	2220 x 1120 mm
T-slot size / spacing / count	19 mm / 171 mm / 3	14 mm / 180 mm / 4	24 mm / 284 mm / 3
Clearance spindle to base	260 - 1060 mm	465 - 1420 mm	395 - 1950 mm
Spindle - column distance	220 - 750 mm	350 - 1600 mm	440 - 2060 mm
<b>Clamping table</b>			
Clamping table work area L x W	600 x 445 x 380 mm	630 x 500 x 500 mm	1000 x 800 x 500 mm
T-slot size / spacing / count	19 mm / 100 mm / 3	22 mm / 150 mm / 3	24 mm / 150 mm / 4
Distance spindle to clamping table	0 - 675 mm	0 - 910 mm	135 - 1690 mm
<b>Dimensions and weight</b>			
Column diameter	210 mm	320 mm	432 mm
Length x width x height max.	1260 x 700 x 2180 mm	2670 x 1120 x 2760 mm	0 x 1185 x 3050 mm
Net weight	1120 kg	3200 kg	5600 kg

## Accessories

Designation	Article no.
Quick-action drill chuck DKC 16, 0 - 16 mm / B16	3050633
More accessories and information about accessories from page 87 onwards	
Accessories RD 4 / RD 5	Article no.
Direct quick-action drill chuck MT 4 / 1-16 mm	3050574
Tapered shank for drill chuck MT 4/B16	3050661
Twist drill HSS MT 3	3051003
Adapter MT 4-MT 3	3050664
Hold-down device 18 mm/M 16	3352032
Assortment of clamping tools SPW 16, 58-part	3352079
RD 6 accessory	Article no.
Tapered shank for drill chuck MT 5/B16	3050675
Assortment of clamping tools SPW 12, 58-part	3352077



Clamping table	Article no.
for <b>RD 4</b> L x W x H 600 x 445 x 380 mm Net weight: 144 kg	3049204
for <b>RD 5</b> L x W x H 635 x 520 x 415 mm Net weight: 159 kg	3049205
for <b>RD 6</b> L x W x H 630 x 500 x 500 mm Net weight: 250 kg	3049206



Angled table	Article no.
Tiltable ± 90°	
<b>Angled table S</b> L x W x H 520 x 510 x 570 mm Net weight: 280 kg	3049210
<b>Angled table L</b> L x W x H 810 x 710 x 610 mm Net weight: 565 kg	3049212

DRILLING

CORE DRILLING

THREAD TAPPING

MILLING

TURNING

MEASURING

SAWS

GRINDING

POLISHING

SHEET METAL WORKING

LIGHTING

COOLING