RD

50 | 60 | 70 | 100

Radial Arm Drilling Machine, 2" to 4" Capacity

The RD radial arm drill features an **IC timer** (RD 60+) that enables automatic up, down, stop, and clamps with a single button press, simplifying operation. The **spindle** retains its original position after tool changes, ensuring consistent accuracy. A dedicated oil pump circulates lubricant over the gearbox's precision gears for continual cooling to reduce wear and increase performace. A **quick spindle return** enhances tapping efficiency, while a **built-in safety device** stops the arm from dropping abruptly over time—reducing injury risk due to worn copper nuts.

RD				50 S	50 L	60 M	60 L
				2" Short	2" Long	2.4" Medium	2.4" Long
Capacity	Drilling	Steel	mm	Ø32 (1.3")		Ø50 (2")	
		Cast Iron	mm	Ø50 (2")		Ø60 (2.4")	
	Tapping	Steel	mm	Ø25 (1")		Ø40 (1.6")	
		Cast Iron	mm	Ø32 (1.3")		Ø50 (2")	
Column Diameter			mm	210 (8.3")		300 (11.8")	320 (12.6")
Max Spindle-Column Distance			mm	750 (29.5")	950 (37.4")	1275 (50.2")	1600 (63")
Min Spindle-Column Distance			mm	225 (8.8")	210 (8.26")	305 (12")	350 (13.8")
Spindle Head Travel			mm	550 (21.25")	755 (29.7")	970 (31.82")	1250 (49.2")
Max Base-Spindle			mm	1050 (41.3")	1225 (48.2")	1330 (52.3")	1420 (56")
Min Base-Spindle			mm	260 (10.2")	385 (15.15")	441 (17.4")	465 (18.3")
Elevating Height of Arm			mm	580 (22.8")	625 (24.6")	625 (24.6")	680 (26.5")
Box Table Dimensions			mm	600x445x380 (24x18x15")		635x520x420 (25x20x17")	630x500x500 (24×20×20")
Dimensions of Base			mm	1260x640x160 (50x25x6")		1830x785x185 (72x31x7.25")	2550x970x200 (100×38×8")
Spindle Taper				MT4		MT5	
Stroke of Spindle			mm	210 (8.26")		270 (10.6")	
Speeds			rpm	88–1500		56–1450	
Feed Of Spindle			rev	0.05, 0.09, 0.15		0.06, 0.10, 0.20	
Main Drive Motor			kW	1.5 (2 Hp)		3.7 (5 Hp) (2-Speed)	
Elevating Motor			kW	0.7 (1 Hp)		0.7 (1 Hp)	1.5 (2 Hp)
Clamping Motor			kW	–		0.7 (1 Hp)	
Overall Height			mm	2160 (85")	2340 (92")	2795 (110")	2760 (109")
Weight			kg	1175 (2,585 lbs)	1280 (2,816 lbs)	2300 (5,070 lbs)	3300 (7,275 lbs)
Dimensions			mm	1630x810x2160 (64x32x85")	1800x810x2210 (71x33x86")	2220x1000x2240 (88x39x88")	2700x1130x2430 (106x45x96")
Item No.				2500020	2500022	2500025	2500026

*The above specifications are subject to change without prior notice. No liability for printing mistakes. Machine may be shown with optional equipment.

KAAST

RD

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This RD drill series is equipped with a **friction-type disc clutch** that absorbs impact from vertical spindle movement, effectively protecting the gearbox's transmission components. The gearbox features **high-speed precision gears** that are mechanically shifted for smooth and easy operation. The model delivers high efficiency, ample horsepower, and quiet performance.

STANDARD CONFIGURATION

- Cooling Device (Pump Included)
- Box-Type Work Table
- Tool Kit and Work Light
- IC Timer (Except Model 50)

OPTIONAL CONFIGURATION

- Full 90° Tilt Uni-Tilt Table
- Table Tilt Calibrated Indicator

RD				70 M	70 L	100
				2.75" Medium	2.75" Long	4"
Capacity	Drilling	Steel	mm	Ø65 (2.5")		Ø80 (3.1")
		Cast Iron	mm	Ø70 (2.75")		Ø100 (3.9")
	Tapping	Steel	mm	Ø50 (2")		Ø65 (2.6")
		Cast Iron	mm	Ø60 (2.4")		Ø75 (3")
Column Diameter			mm	432 (17")		550 (21.7")
Max Spindle-Column Distance			mm	1550 (61")	2000 (78.75")	2500 (98.4")
Min Spindle-Column Distance			mm	440 (17.3")		500 (19.7")
Spindle Head Travel			mm	1640 (64.5")	1610 (63.7")	2000 (78.7")
Max Base-Spindle Distance			mm	1600 (63")	1950 (76.8")	2000 (78.7")
Min Base-Spindle Distance			mm	380 (15")	395 (15.5")	550 (21.7")
Elevating Height of Arm			mm	875 (34.4")	1185 (46.6")	1000 (39.3")
Box Table Dimensions			mm	700x500x400 (28x20x16")	1000x800x500 (39×32×20")	1000x800x560 (39x31x22")
Dimensions of Base			mm	2470x1030x200 (97x41x8")	2920x1120x260 (115×44×10")	3520x1400x320 (139x55x13")
Spindle Taper				MT5		MT6
Stroke of Spindle			mm	370 (14.6")		450 (18")
Speeds			rpm	35–1890		16–1250
Feed of Spindle			rev	0.07–0.96 Six Steps		0.04–3.2
Main Drive Motor			kW	5.6 (7.5 Hp)		8 (10 Hp)
Elevating Motor			kW	1.5 (2 Hp)	2 (3 Hp)	3.7 (5 Hp)
Clamping Motor			kW	0.7 (1 Hp)		0.7 (1 Hp)
Overall Height			mm	3130 (123")	3520 (139")	3990 (157")
Weight			kg	4250 (9,250 lbs)	5600 (12,345 lbs)	11000 (24,200 lbs)
Dimensions			mm	2820x1450x2930 (111x57x115")	3200x1450x3300 (126x57x130")	4160x11880x3850 (164x74x152")
Item No.				2500027	2500028	2500029

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