



Radial Drilling Machine

RD 50 • 60 • 70 • 100

2" to 4" capacity



- The Radial Drill Arm includes an IC Timer with one button press. Operation is simple, as it automatically moves up, down, stops and clamps. The spindle retains original position after the tools are changed.
- The oil pump is furnished exclusively for cycling gear types, to cool off precise gears inside the gear box and prevent excessive wear.

Standard configuration

- ✓ Tool kit
- ✓ Cooling device (pump included)
- ✓ Work light
- ✓ Box-type work table

Specifications				50 S	50 L	60 M	60 L
				2" short	2" long	2.4" medium	2.4" long
Capacity	Drilling	Steel	mm	Ø 32 (1.3")		Ø 50 (2")	
		Cast iron	mm	Ø 50 (2")		Ø 60 (2.4")	
	Tapping	Steel	mm	Ø 25 (1")		Ø 40 (1.6")	
		Cast iron	mm	Ø 32 (1.3")		Ø 50 (2")	
Column diameter			mm	210 (8.3")		300 (11.8")	320 (12.6")
Max spindle-column distance			mm	750 (29.5")	950 (37.4")	1250 (49.2")	1600 (63")
Min spindle-column distance			mm	220 (8.7")		360 (14.2")	350 (13.8")
Spindle head travel			mm	530 (20.9")	730 (28.7")	890 (35")	1250 (49.2")
Max column-spindle			mm	1060 (41.7")	1210 (47.6")	1345 (53")	1420 (56")
Min column-spindle			mm	260 (10.2")	350 (13.8")	441 (17.4")	465 (18.3")
Elevating height of arm			mm	580 (22.8")	640 (25.2")	630 (25")	680 (26.5")
Box table dimensions			mm	600x445x380 (24x18x15")		635x520x420 (25x20x17")	630x500x500 (24x20x20")
Dimensions of base			mm	1260x640x160 (50x25x6")		1785x785x190 (70x31x7")	2550x970x200 (100x38x8")
Spindle taper				MT#4		MT#5	
Stroke of spindle			mm	220 (8.7")		270 (10.6")	
Speeds			rpm	88–1500		56–1450	
Feed of spindle			rev	0.05–0.15		0.06–0.20	
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)	
Coolant equipment			kW	0.09 (.125 Hp)		0.09 (.125 Hp)	
Overall height			mm	2170 (85")	2320 (91")	2645 (104")	2760 (109")
Base + column height			mm	1850 (73")	2010 (79")	2080 (82")	2186 (86")
Weight			kg	1120 (2,470 lbs)	1250 (2,760 lbs)	2300 (5,070 lbs)	3300 (7,275 lbs)
Shipping weight			kg	1250 (2,760 lbs)	1400 (3,090 lbs)	2500 (5,510 lbs)	3800 (8,375 lbs)
Shipping dimensions			mm	1680x826x2160 (66x33x85")	1806x826x2190 (71x33x86")	2060x995x2240 (81x39x88")	2670x1120x2410 (105x44x95")
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.



- Friction type disc clutch absorbs all impact force caused by vertical movement of the spindle, and effectively protects all transmission units inside the gear box. Quick spindle return speeds up the tapping operation.
- A special arm-elevating safety device prevents the arm from falling abruptly after many years of use. This avoids potential injuries when the copper nut is excessively worn.
- The gear box uses high-speed precision gears which are mechanically shifted for easy manipulation. This model is highly efficient, with sufficient horsepower and a low level of noise.

Optional configuration

- Uni-tilt table tilts full 90 degrees
- Calibrated indicator shows that the degree of tilt has accurately planed the top

Specifications				70 M	70 L	100
				2.75" medium	2.75" long	4"
Capacity	Drilling	Steel	mm	Ø 65 (2.5")		Ø 80 (3.1")
		Cast iron	mm	Ø 70 (2.75")		Ø 100 (3.9")
	Tapping	Steel	mm	Ø 50 (2")		Ø 65 (2.6")
		Cast iron	mm	Ø 60 (2.4")		Ø 75 (3")
Column diameter		mm	432 (17")		550 (21.7")	
Max spindle-column distance		mm	1580 (62.2")	2000 (78.75")	2500 (98.4")	
Min spindle-column distance		mm	440 (17.3")	490 (19.3")	500 (19.7")	
Spindle head travel		mm	1140 (44.9")	1510 (59.4")	2000 (78.7")	
Max base-spindle end distance		mm	1600 (63")	1900 (74.8")	2000 (78.7")	
Min base-spindle end distance		mm	380 (15")	500 (19.7")	550 (21.7")	
Elevating height of arm		mm	850 (33.5")	1100 (43.3")	1000 (39.3")	
Box table dimensions		mm	700x500x400 (28x20x16")	1000x800x500 (39x32x20")	1000x800x560 (39x31x22")	
Dimensions of base		mm	2480x1050x210 (98x41x8")	2908x1102x250 (115x43x10")	3520x1400x320 (139x55x13")	
Spindle taper			MT#5		MT#6	
Stroke of spindle		mm	370 (14.6")		450 (18")	
Speeds		rpm	40-1920	35-1890	16-1250	
Feed of spindle		rev	0.07-0.96		0.04-3.2	
Main drive motor		kW	5.6 (7.5 Hp)		9 (12 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)	
Coolant equipment		kW	0.09 (.125 Hp)		0.19 (.25 Hp)	
Overall height		mm	3170 (125")	3470 (137")	3990 (157")	
Base + column height		mm	2660 (105")	2960 (117")	3850 (152")	
Weight		kg	4600 (10,140 lbs)	5600 (12,345 lbs)	13000 (28,660 lbs)	
Shipping weight		kg	5100 (11,240 lbs)	6600 (14,550 lbs)	13500 (29,760 lbs)	
Shipping dimensions		mm	2850x1400x2940 (112x55x116")	3105x1400x3300 (122x55x130")	4000x1600x3850 (157x63x152")	
Item No.			2500027	2500028	2500029	

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