

BHARAT MACHINES



PILLAR DRILL MACHINE

Technical Specifications

Performance Parameters across BMT & BPSL Series Models

Model	PD-13	PD-20	PD-25	PD-38	PD-40
Drilling Capacity (mm)	13	20	25	38	40
Pillar Dia (mm)	47	75	90	100	120
Spindle Nose	Solid	MT-2	MT-3	MT-4	MT-4
Spindle Travel (mm)	75	125	155	225	250
Spindle Center To Pillar Surface (mm)	175	215	230	270	320
Spindle Nose to Base (mm)	445	925	1100	1050	1050
No. Of Spindle Speed	4	8	8	8	8
Spindle Speed (RPM)	500–2800	87–3200	105–5650	65–2100	80–3200
Table Size (mm)	210x210	275x275	330x330	385x385	455x455
Base Size (mm)	225x345	320x460	365x540	400x350	440x715
Main Motor Power (HP)	0.5	1	1	1.5	2
Weight (Approx) (Kgs.)	60	120	200	350	400

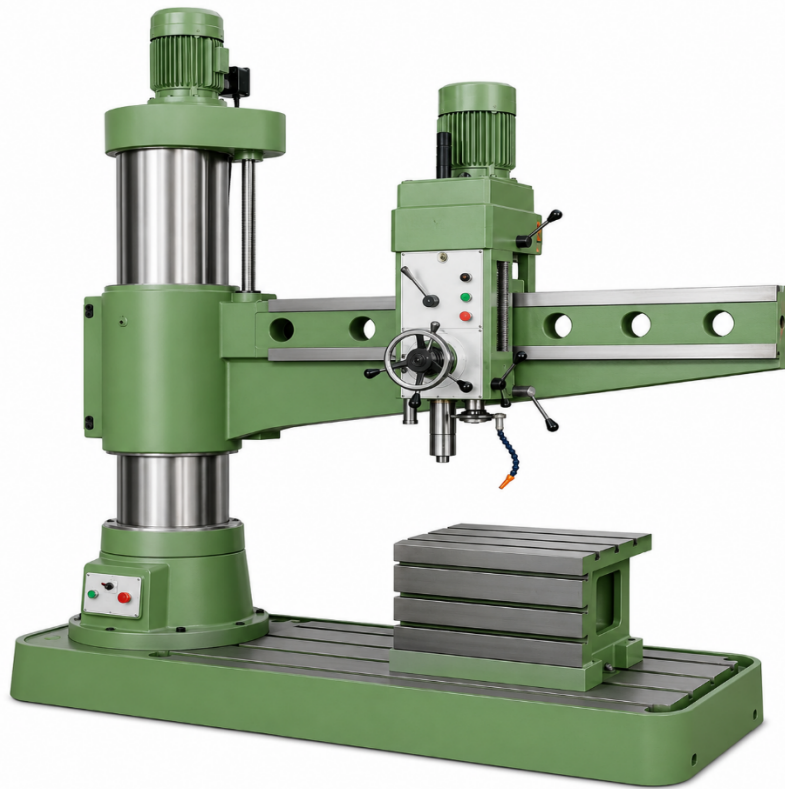


BELT DRIVE DRILL MACHINE

Technical Specifications

Performance Parameters for BMT-38 and BPSL-40 Models

Model	BD-38	BD-50
Drilling Capacity (mm)	38	50
Pillar Dia (mm)	100	125
Spindle Nose	MT-4	MT-4
Spindle Travel (mm)	225	250
Spindle Center To Pillar Surface (mm)	300	375
Spindle Nose to Base (mm)	1050	1050
No. Of Spindle Speed	3	3
Spindle Speed (RPM)	65–2100	80–3200
Table Diameter (mm)	510x510	610x610
Base Size (mm)	400x510	450x715
Main Motor Power (HP)	1.5	2
Weight (Approx) (Kgs.)	350	400



RADIAL DRILL MACHINE

Technical Specifications

Radial Type Drilling Machine (Models 25-R, 32-R, 40-R, 50-R)

SPECIFICATION	RD-25	RD-32	RD-40	RD-50
Drilling Capacity in mild steel	25	32	40	50
Tapping Capacity	20	25	32	38
No. of spindle Speeds 8	90 to 2600 4 + 4 = 8	80 to 2600 4 + 4 = 8	50 to 1735 4 + 4 = 8	50 to 1735 4 + 4 = 8
Working area of base	725 x 600	680 x 775	870 x 760	1000 x 850
Diameter of column	127 mm	150 mm	165 mm	200 mm
Diameter of RAM	72 mm	78 mm	78 mm	90 mm
Spindle travel	225	260	260	300
Spindle nose	MT-3	MT-4	MT-4	MT-5
Max. Min. Distance Spindle nose to base	750 to 175	900 to 190	925 to 230	1050 to 250
Max. Distance spindle nose to table	570	650	620	700
Max. Distance Spindle center to column	665 / 270	780 / 260	875 / 360	1000 / 400
Size of Box Table	205 x 205 x 285	250 x 250 x 315	305 x 305 x 380	380 x 380 x 450
Size of base (LxWxH)	600 x 1000 x 150	1115 x 700 x 130	760 x 1290 x 190	850 x 1450 x 220
Overall height of machine	1420	1730	2000	2200
Spindle feed by	Hand, Star Lever & Worm	Hand, Star Lever & Worm	Hand, Star Lever & Worm	Hand, Star Lever & Worm
Drill Head motor	1 HP 1440 RPM	1.5 HP 1440 RPM	1.5 HP 960 RPM	3 HP 960 RPM
Lifting motor	0.5 HP 1440 RPM	0.5 HP 1440 RPM	0.5 HP 1440 RPM	1 HP 1440 RPM
Net weight	485 Kgs.	700 Kgs.	900 Kgs.	1250 Kgs.

V-Belt	B-40	B-46	B-47	B-52
Lifting V-Belt	A-20	A-23	A-23	A-25



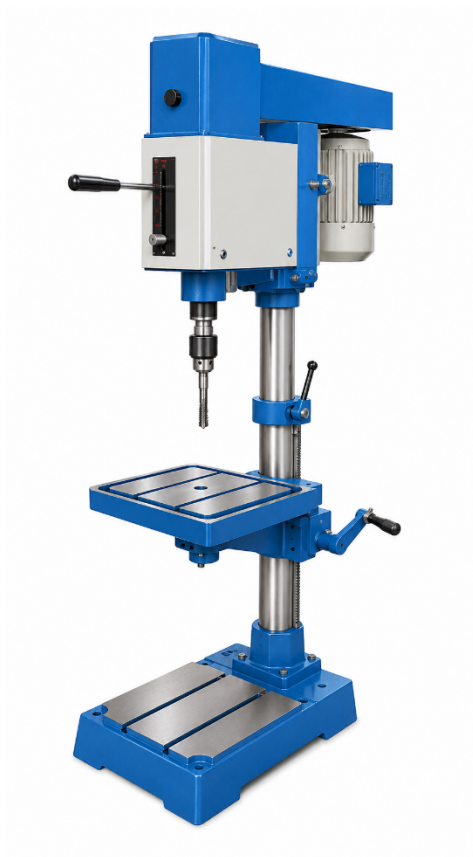
GEARED DRILLING MACHINE

Technical Specifications

ED Series Machine Specifications (ED-30, ED-35, ED-40, ED-50)

Model	GD-30	GD-35	GD-40	GD-50
Max. Drilling Capacity	30mm	35mm	40mm	50mm
Max. Tapping Capacity	M20	M24	M27	M30
Diameter Of Column	120mm	140mm	160mm	180mm
Spindle Travel	135mm	160mm	180mm	240mm
Distance Spindle To Column	320mm	330mm	360mm	360mm
Spindle Nose To Table	550mm	590mm	590mm	570mm
Spindle Nose To Base	1100mm	1180mm	1180mm	1160mm
Spindle Taper	MT-3	MT-4	MT-4	MT-4/MT-5
Number Spindle Speeds	12	12	12	12
Range Of Spindle Speeds (rpm)	65-2600rpm	75-2500rpm	42-2050rpm	42-2050rpm
Spindle Feeds	0.1-0.2-0.3	0.1-0.2-0.3	0.07-0.15-0.26-0.40	0.07-0.15-0.26-0.40
Worktable Size (mm)	500 x 440mm	500 x 440mm	550 x 470mm	550 x 470mm
Table Travel	490mm	550mm	550mm	550mm
Base Size (mm)	400 x 390mm	400 x 390mm	450 x 440mm	450 x 440mm

Overall Height (mm)	2050mm	2300mm	2330mm	2380mm
Main Motor (kW)	0.85/1.1kW	1.5/2.2kW	2.2/2.8kW	2.2/2.8kW
Coolant Motor (kW)	40W	40W	40W	40W
G.W/N.W (Kg)	495/450kg	595/545kg	815/755kg	1045/985kg
Packing Dimension (mm)	1080 x 620 x 2150	1080 x 620 x 2200	1080 x 620 x 2450	1080 x 620 x 2450



TAPPING MACHINE

Technical Specifications

BD Series Machine Specifications (BD-25, BD-40, BD-25A, BD-40A)

Specification	Unit	BD-25	BD-40
Max. Drilling Capacity	mm	Ø20	Ø31.15
Max. Tapping Capacity	mm	M16	M20
Spindle Travel (mm)	mm	135	150
Distance Spindle axis to column generating line (mm)	mm	240	265
Max. Distance Spindle Nose To Table (mm)	mm	365	820
Max. Distance Spindle Nose To Base (mm)	mm	675	1235
Diameter Of Column (mm)	mm	85	100
No. Of Spindle Speed	-	5	5
Spindle Speeds Range	r/min	340 ~ 2180	320 ~ 1820
Max. Feet Rate	mm/min	-	-
Spindle Taper	-	MT2	MT3
Dimension Of Worktable Surface (mm)	mm	300x320	380x400
Dimension Of Base Surface (mm)	-	305x355	310x380

Motor	kw	1.1	1.5 (6P)
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