



PEDESTAL DRILLING MACHINES

AJ 25/30/32/40/50/70

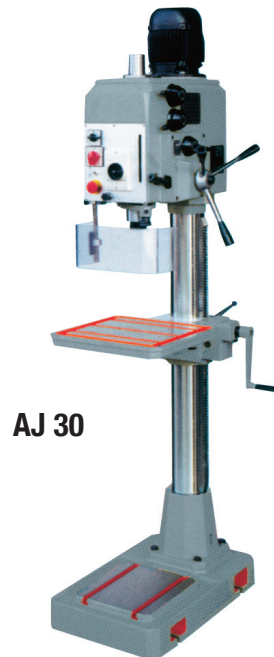


Machine Tool Exporters to the World since 1940

PEDESTAL DRILLING MACHINES

**AJ 25/30/32
/40/50/70**

This range of machines incorporate all geared heads, fully immersed in oil, and are designed for heavy duty, long life operation. The gears in the speed change box are hardened and shaved, and manufactured from the best quality nickel chrome steel. Shafts are splined and ground, and made to close tolerances to ensure perfect alignment and smooth operation. Automatic oiling of all essential moving parts is achieved by an automatic pressure oil pump. All machines, with the exception of the AJ 25 and AJ 30, are fitted as standard with an automatic feed mechanism which is graduated and can be preset to the desired depth. (Feed optional of AJ 25 & AJ 30).



CAPACITY	AJ 25	AJ 30	AJ 32	AJ 40	AJ 50	AJ 70
Drilling Capacity in Mild Steel (mm)	25	30	32	40	50	70
Spindle Taper (Morse Taper)	3	3	4	4	4	5
Distance from Spindle to Column (mm)	250	250	300	350	400	420
Distance from Spindle to Table min/max (mm)	0 - 820	0 - 820	70 - 885	70 - 885	70 - 820	70 - 777
Distance from spindle to base max (mm)	1,220	1,220	1,245	1,197	1,290	1,300

TABLE						
Rotation of Table to Head	360°	360°	360°	360°	360°	360°
Tilting of Table	N/A	N/A	180° (opt)	180° (opt)	180°	180°
Table Size (mm)	380 x 400	380 x 400	400 x 420	480 x 480	550 x 550	600 x 600

FEEDS AND SPINDLE						
Maximum Spindle Traverse (hand/power)(mm)	120	120	160	180	260	300
Number of Spindle Speeds	8	8	8	8	9	12
Range of Spindle Speeds (rpm)	65 - 3,060	65 - 3,060	75 - 2,100	93 - 1,420	45 - 1,115	35 - 1,238
Power Feed Rates (mm/rev)	Manual (power opt)	Manual (power opt)	0.10 - 0.2 - 0.3	0.10 - 0.18 - 0.24	0.08 - 0.16 - 0.24 - 0.35 - 0.35 - 0.5	0.05 - 0.10 - 0.15 - 0.20

BASE / COLUMN						
Base Size Overall (mm)	400 x 655	400 x 655	655 x 492	755 x 480	1,060 x 600	730 x 1,190
Column Diameter (mm)	110	110	125	150	200	220

SPEEDS AND MOTORS						
Main Motor Power	1.6Hp (1.2 kW)	1.9Hp (1.4 kW)	1/1.5Hp (1.1kW)	2Hp (1.5 kW)	4Hp (3 kW)	7.5 Hp (5.5 kW)
Coolant Pump Motor	opt	opt	0.1 Hp (0.075 kW)	0.1 Hp (0.075 kW)	0.1 Hp (0.075 kW)	0.2 Hp (0.15 kW)

WEIGHT AND DIMENSIONS						
Overall Height (mm)	2,030	2,030	2,296	2,363	2,547	3,200
Nett Weight (kg)	260	260	292	435	900	1,150
Gross Weight (kg)	310	320	392	565	1,090	1,390
Case Dimensions (mm)	600 x 800 x 2,266	600 x 800 x 2,140	600 x 1000 x 2,400	680 x 1,050 x 2,450	760 x 1,250 x 2,700	880 x 1,380 x 2,780

TECHNICAL SPECIFICATIONS



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