

MACHLESS[®]

TRADE MARK

Simple & Geared Model Drilling Machines



Designed to Precision...Engineered to Perform.

SPECIFICATIONS (in mm) Applicable for Drilling Machines & Drilling Heads of Gang Drilling Machines.

PARTICULARS	1	2	3	4	5	6	7	8
Drilling Capacity	12 mm simple	15 mm simple	15 mm geared	20 mm simple	20 mm geared	25 mm geared	32 mm geared	40 mm geared
Spindle Travel	75	100	100	120	120	150	160	185 mm
Spindle Centre to Column	160	175	180	220	220	260	285	385 mm
Spindle Nose to Table (Max.)	380	480	580	570	585	715	620	700
Spindle Nose to Base (Max.)	395	600	700	760	760	1065	1025	1030
Column Diameter	47	58	58	74.5	74.5	87.5	98.5	125
Morse Taper in Spindle	As per JUG Drill Chuck	MT-2	MT-2	MT-2	MT-2	MT-3	MT-4	MT-4
Table Shape	Round	Round	Round	Round	Square	Square	Round	Round
Table Size	195 Dia	230 Dia	230	275 Dia	280 x 280	340 X 340	500	500
Base Working Area	200 x 200	220 x 220	220 x 220	275 x 275	275 x 275	310 x 320	370 x 370	460 x 480
Floor Area Required	355 x 210	420 x 240	420 x 240	500 x 300	500 x 300	685 x 410	740 x 480	880 x 575
No. of Speeds	4	4	8	5	8	8	8	8
Spindle Speed with 1440 RPM Motor	725, 1175, 1880, 2950	700, 1150, 1760, 2650	160, 256, 395, 615, 700, 1150, 1760, 2650	640, 865, 1210, 1695, 2350	2990, 1725, 1065, 575, 485, 265, 166, 85	540, 779, 1080, 1490, 250, 180, 130, 90	80, 119, 175, 250, 450, 660, 980, 1420	—
Spindle Speed with 960 RPM Motor	530, 840, 1560, 2650	475, 865, 1475, 2265	—	425, 575, 805, 1130, 1568	1190, 1150, 710, 380, 315, 184, 105, 58	370, 530, 735, 990, 170, 125, 90, 64	55, 95, 135, 185, 335, 440, 735, 1065	160, 220, 300, 400, 520, 700, 925, 1225
Total Height of Machine	870	970	1140	1230	1310	1700	1820	1875
Motor Required	1/2 HP	1/2 HP to 1 HP	1/2 HP to 1 HP	1 HP	1 HP	1.5 HP	2 HP	3 HP
V-Belt Size	A- 36	A- 39/ 38	A- 39/ 38	A- 44/ 43	A- 44/ 43	B-52/ 51	B -57/ 58	B-62
Machine Weight without Electrical	40 Kg.	65 Kg.	85 Kg.	100 K g.	110 Kg.	210 Kg.	310 Kg.	475 Kg.
Machine Weight packed without Electrical	95 Kg.	108 Kg.	140 Kg.	160 Kg.	176 Kg.	285 Kg.	470 Kg.	640 Kg.
Auto Feed Rate	—	—	—	—	—	—	—	0.04 to 0.1 mm/Rev. (3 Feeds)

STANDERED EQUIPMENTS : Spare Pulley for motor. **EXTRA EQUIPMENTS** : Motor, Starter, Drill Chuck, Arbor, Sleeves & V-Belt.
 (Dimensions, details and designs are subject to modification without prior notifications)

