



Premier[®]
LATHE MACHINE

LATHE MACHINE
P. 1000



Premier Heavy Duty Lathe Machine

Mfg. By.

Premier Lathe Mfg. Co.

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Premier Heavy Duty Lathe Machine

Special Features

- 1) Flame hardened bed ways.
- 2) Bed is made from high quality cast iron and strictly inspected with microlevel & straight edge.
- 3) Headstock spindle is made from high tensile steel duly hardened & ground.
- 4) Apron is totally enclosed oil bath system with lever type arrangement for automatic feeds.
- 5) Tail stock spindle is hardened & ground, made from alloy steel.
- 6) Meticulous care is taken in selecting the right raw material for every component.
Each & every component is passed through strict quality control.
- 7) Machine accuracy is tested as per IS : 1878 (Part - I) 1971.

TECHNICAL SPECIFICATION

Capacity

Center Height
Swing Over Bed
Swing Over Cross Slide
Swing in Gape

Standard Center Height	Optional Center Height
10" - 250MM	12" - 300MM
10" - 250 MM	12" - 300 MM
19" - 480 MM	23" - 580 MM
11" - 280 MM	15" - 380 MM
31" - 790 MM	35" - 890 MM

Bed

Bed length
HD - 1 (5' - 6" - 1675 mm)
HD - 2 (7' - 0" - 2135 mm)
HD - 3 (9' - 0" - 2745 mm)
HD - 4 (10' - 0" - 3050 mm)
HD - 5 (12' - 0" - 3660 mm)
HD - 6 (14' - 0" - 4270 mm)
Bed type
Bed width
Length of gape in front of face plate

Admit Between Center
22" - 555 mm
39" - 1000 mm
64" - 1625 mm
76" - 1930 mm
100" - 2540 mm
124" - 3150 mm
2 V & 2 Flat
12.3/4" - 325 mm
8" - 200 mm

Head Stock

Number of spindle speed
Range of spindle speed
Spindle nose dia.
Spindle bore
Spindle threads
Spindle morse taper (Inside)

8
30 to 490 RPM
3" - 76 mm
2.1/8" - 52mm
6 TPI
MT - 4

Carriage & Compound

Cross slide dimension
Cross slide travel
Compound slide dimension
Compound slide travel
Tool post square
Tool shank section

8" - 200 mm x 18" - 455 mm
10" - 250 mm
10" - 250 mm x 4.3/4" - 120mm
6" - 150 mm
4.3/4" - 120 mm
1" - 25 MM x 1" - 25 mm

Tail Stock

Spindle ram diameter
Spindle ram travel
Spindle ram morse taper

2.3/8" - 60 mm
8" - 200 mm
MT - 4

Threads

Number of threads range in metric
Number of threads range in inch
Number of pitch range in metric
Number of pitch range in inch
Lead screw diameter
Lead screw threads

13
19
1 to 6 PITCH
2 to 24 TPI
1.1/2" - 38 mm
4 TPI

Electrical

Motor Recommended

3 H.P. / 2.25 KW

Colour Option

Green / Grey / Blue (Double Tone Colour at Extra Cost)

GENERAL SPECIFICATION

MODEL	Machine Weight (Approx.) kgs.	Floor Space (Approx.) L x W x H
HD - 1	1200 kgs.	2000 x 1070 x 1450 mm
HD - 2	1350 kgs.	2450 x 1070 x 1450 mm
HD - 3	1450 kgs.	3000 x 1070 x 1450 mm
HD - 4	1600 kgs.	3450 x 1070 x 1450 mm
HD - 5	1800 kgs.	4100 x 1070 x 1450 mm
HD - 6	2200 kgs.	4750 x 1070 x 1450 mm

Standard Accessories

- Chuck back plate,
- Tool post spanner,
- Centre adapter,
- Dead centres - 2 nos,
- Motor pulley,
- Change gear set

Optional Accessories

- Face plate,
- Steady rest,
- Follow rest,
- Carrier plate,
- Full or semi norton gear box,
- Rear tool post
- Coolant pump with tank and fittings,
- Taper turning attachment,
- Machine lamp,
- Ele. motor, R/f switch, motor vee belt,
- Dog chuck,
- True chuck,
- Spindle bore
(3.1/8" - 80 MM, 4.1/8" - 100 MM)