

SPECIFICATIONS of Lathe Machine

Technical Specification of center lathe Machine

1. Swing over machine bed	Min. 350mm
2. Swing over cross slide	Min. 190mm
3. Distance between centers Din 806-MT3	750-800mm
4. Turning Length	700-750mm
5. Width of bed	Mini.260mm
<u>Work Spindle</u>	
6. Spindle diameter in front bearing	60mm
7. Spindle Bore	35mm
8. Taper bore according to DIN 228(shortened)	MT-5
9. Normal Chuck diameter	160mm
10. Max.diameter of face plate and clamping disk	315mm
<u>Tool Slide</u>	
11. Guide Length of carriage	350-365
12 Graduation of Longitudinal scale on apron box hand wheel	0.2m m
13 Cross-slide travel	175-190
14 Graduation of scale at cross slide spindle	0.025mm
15 Width of cross-slide	140mm
16 Compound slide travel	Min. 100mm
17 Graduation of scale on compound slide spindle	0.05mm
18 Width of top slide	Min 110mm
<u>Tailstock with hand wheel</u>	
19 Stroke of quill	100-120
20 Diameter of center sleeve	50mm
21 Taper socket DIN 228	MT3
22 Scale graduation on center sleeve	1mm
23 Scale ring at tail stock spindle, scale graduation	0.05mm
24 Cross Travel	+= 10MM
<u>Drive</u>	
25 Number of speed ranges	2x8
26 Speed range A	(50-350) rev/min 8 speeds
27 Speed range B	(250-2000) Rev/min 8 speed
28 Thread pitches with standard change gear set BS threads	4-76 T.P.I
29 All standardized metric threads selectable except for 0.45 and 405mm	0.25-16mm
30 24 module pitches selectable except for 0.4 and 4.5mm	0.2-8mm
31 Lead Screw pitch	6mm
32 Coolant tank with complete pump capacity	10-14 Ltrs
<u>Floor Space required</u>	
33 Length x width x Height of machine Work spindle above floor	max. 2000x1000x1400mm 1000-1200mm
34 Sound pressure level according to DIN 45635-16	80db (m) max

35	Sound power level according to Din 45635-16	max	93	db	(a)
	<u>ACCESSORIES</u>				
1.	Drive plate as per spindle dia 160mm				1 No
2.	Four Jaw independent chuck dia 160mm				1 No
3.	Three Jaw self-centering chuck dia 160mm				1 No
4.	Quick-change tool post				2 No
5.	Machine Lamp				1 No
6.	Revolving center				2 No
7.	Set of collets 15Nos(5mm to 20mm in step of 1 mm)				1 Set
8.	Dog Carriers				Dia 20, dia 30(2Nos)
9.	Collet holders				1Set
10.	Splash Guards				-
11.	Tools Kit				1Set