

Technical Specification of Model : Turnmaster 450

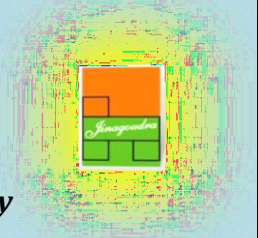


Description	TM-450	Description	TM-450
Capacity		Threads	
Height of the Centres	235 mm	No.of metric threads	37
Swing over Bed	470 mm	Range	0.25mm to 14 mm
Swing over cross slide	280 mm	No. of inch threads	48
Swing in Gap 'Y Ø'	650 mm	Range	112 TPI to 2TPI
Distance in front of face plate in Gap X'	130 mm	No.of Module Threads	27
Diameter of face plate in Gap	560 mm	Range	0.125 to 7
Distance Between Centres ABC,1250, 1650, 2000		No.of DP Threads	45
Cross Slide Travel	210 mm	Range	4-224
Cross Slide Resolution	0.02 mm	Maximum Weight of work piece held between Chuck and Tail stock centre	
Bed		Dead centre	315 kg
Bed Type	2V, 2 flat	Live Centre	250 kg
Bed Width	315 mm		
Bed Length (Total)		Electricals	
ABC- 1250 MM	2225 mm	Main Motor	5.5 Kw (7.5HP)
ABC -1650 MM	2625 MM		
ABC - 2000 MM	2975 MM	Power Supply	415 V 3 Phase 50 cycles A/C supply
Main Spindle		Coolant Tank Capacity	30 Ltrs.
Spindle Nose	A2-6		
Spindle Taper Bore	Metric- 60.	Weight	
Taper Bore in Centre Sleeve	M.T.4	ABC 1250 mm	1550 kg.
Spindle Bore	55 mm	ABC 1650 mm	1750 kg
		ABC 2000 mm	2000 kg
Tail Stock		Floor Space L X B	
Quill Diameter	60 mm	ABC 1250 mm	2520mmX950mm
Taper Bore in Spindle	M.T.4	ABC 1650 mm	2920mmX950mm
Quill Travel	150 mm	ABC 2000 mm	3290mmX950mm
Tool Slide		Capacity of Steady Rest Bar Dia 'D'	
Travel Top Slide	125 mm	Pad Type Min. & Max Dia	10 mm & 125 mm
Tool Shank Section	25 mm x 25 mm	Roller Type. Min. & Max Dia	10 mm & 100 mm
Tool Slide Resolution	0.02 mm		
Lead Screw		Capacity of Follow Rest Bar Dia 'D'	
Lead Screw Diameter	30 mm	Pad Type Min. & Max Dia	10 mm & 100 mm
Pitch	6.0 mm	Roller Type Min. & Max Dia	10 mm & 75 mm
Speeds		Capacity of Taper Turning Attachment	
No.of Speeds	18	Maximum Taper Angle on either side	10 degree
Range	40 RPM-2000 RPM	Stroke'S'	300
		Maximum Turning Length 'L'	240
Feeds			
No.of Longitudinal Feeds	48		
Range of Feeds	0.04 to 2.24 mm		
No.of Transverse Feeds	48		
Range of Feeds	0.012 mm to 0.7 mm		
Ratio of Transverse Feed To Longitudinal Feeds	1/3		

TURNMASTER -450 SERIES.

All Geared Head Precision Lathe.

An ISO 9001:2008 Certified Company



TURNMASTER 450: All Geared Head Lathe, comprising of Hardened and Ground Bed, American A2-6 spindle nose, R.H.Hand wheel apron, Square Tool post and electrical item suitable for 415 v, 7.5 hp, 50 cycles with 5.5 kw Motor.

Salient Features: (For All Models)

- Hardened Ground Prismatic guide ways for Carriage.
- Geared Head stock with hardened and ground gears.
- Feed box designed for easy selection of Wide range of feeds and threads.
- Electro Magnetic Brake with foot Pedal



SIZES AVAILABLE: TURNMASTER -450, CENTER HEIGHT 235 MM

ADMIT BETWEEN CENTRE (DISTANCE BETWEEN CENTRE) AVAILABLE

- 1) ABC: 1250MM STRIGHT BED,2) 1250 MM GAP BED, 3) 1650 MM STRIGHT BED
- 4) 1650 MM GAP BED, 5) 2000 MM GAP BED.

1

Head Stock

Designed to give 18 Speeds with Hardened & Ground Gears

2

Feed Box

Designed to give more Threading & Feed Options with induction Hardened & Toughened Gears

3

Apron

Designed for easy engage & disengage with Overload tripping arrangements



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HARI KRISHNA COMPLEX, # 4, M.T.H. ROAD, PADI, CHENNAI - 50.
(NEAR STATE BANK OF INDIA, OPP. TO SUNDARAM CLAYTON LTD)

Cell : 98400 52446 / 98409 79446 / 98406 63848 /
89397 53000 / 89397 63000 / Ph : 044-26547523

Web : www.machinescentre.com E-mail : info@machinescentre.com