

**Lathe-spec-format**

Description		Requirement	Response
<b>Name of the Company</b>			
<b>ISO Certification</b>		YES / NO (Attach Certificate)	
<b>If Authorised Dealer Attach valid Certificate for Dealership</b>		YES / NO (Attach Certificate)	
<b>Number of single orders valued 10 lac or more in last three financial years</b>		atleast one order	
<b>CAPACITY</b>	<b>UNIT</b>	<b>Desired Range</b>	<b>Offer</b>

**PART 1**

Centre height (over flat bedways)	mm	180-220	
Admit Between Centres	mm	1000-1500	
Swing over bed	mm	360-450	
Swing over cross slide	mm	300-400	
Swing in gap	mm	550-750	

**PART 2**

GAP Bed length	mm	Quote	
Width of gap in front of face plate	mm	Quote	
Bed width	mm	Quote	
Bed Length	mm	Quote	
Maximum Turning Length	mm	Quote	
BED Design / Material		V/Flat and Graded Cast Iron	

**MAIN SPINDLE**

Spindle Drive	-	All Geared	
Spindle bore	mm	42-56	
Taper bore spindle	-	MT 5 / MT 6	
Nose Dia/Thread	mm / TPI	Quote	
Spindle Nose Cam Lock	-	D1-4 to D1-6	
Spindle Material	-	Hardened & ground alloy steel	
<b>SPEED</b>			
No/Range (In Geometric Prog)	No / RPM	8-20 / 40 to 1200 RPM	

**CARRIAGE (Cross Slide)**

Cross Slide Travel	mm	250-300	
Compound slide travel	mm	120-150	
Slide Swiveling	Degrees	360	
Tools Shank capacity	mm	20-25	

**LEAD SCREW**

Dia	mm	25.4	
Pitch	mm / tpi	6 / 4	
<b>THREADS</b>			
Metric	nos / mm	20-60 / 0.5 to 7.5	
Inch	nos / TPI	32 / 4 to 60	

**Threading provision**

Lead Screw diameter / Pitch	MM	atleast 25.4-32 mm / 6 mm	
	TPI	atleast 1- 1.5 in / 4 tpi	
Metric Threads Range	mm	0.05 – 7.5	
No of Metric Threads	No	24-60	
Inch Threads Range	tpi	72 - 2	
No of Inch Threads		24-70	
Module threads	mm	0.25 – 3.75	
Diametral Pitch		Optional	
Lead screw	Material	Quote	
	Hardness	Quote	

**FEEDS**

<b>Auto Feed</b>			
No.	nos	24-48	
<b>Range</b>			

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<b>CAPACITY</b>	<b>UNIT</b>	<b>Desired Range</b>	<b>Offer</b>
Logitudinal	mm / rev	0.066 to 1.00.	
Cross	mm / rev	0.017 to 0.250.	
<b>Manual Feed</b>			
Longitudinal	mm / div	0.1 – 0.25	
Transverse (Cross)	mm / div	0.01 – 0.05	
Compound Slide	mm / div	0.01 – 0.05	
Tail Stock Quill	mm / rev	0.1 – 0.2	

**TAILSTOCK**

Sleeve (Quill) Dia	mm	50.8	
Sleeve (Quill) Travel	mm	150-220	
Taper bore in sleeve (Quill)	-	MT-3 / MT 4	
Tail Stock Set Over for taper Turning	mm	QUOTE	

**ELECTRICALS**

Main Motor Make		Crompton, Jyoti, Bharat Bijli make	
Power Supply	V / Phase / Hz	415V-3Phase- 50HZ AC	
Main Motor - Power // RPM	KW // RPM	Quote	
Coolant Motor	KW/ HP	Quote	
Coolant Tank Capacity	Lit	Quote	

**ACCURACY**

Geometrical and practical accuracies,			
Confirm to IS : 1978 (Part I/II)1993)		Confirmity	

<b>DESCRIPTION</b>	<b>ASKED FOR</b>	<b>RESPONSE</b>
<b>COMMISSIONING</b>		
<b>Price is inclusive of Commissioning at Institute premises.</b>	YES/NO	
<b>WARRANTY</b>		
LIST OF STANDARDS PARTS / ACCESSORIES INCLUDED IN WARRANTY	Mention list of Standard Accessories included in the price bid	
LIST OF OEM PARTS FOR WARRANTY	Mention list of OEM Parts with warranty	
LIST OF STANDARD ACCESSORIES	Give Complete list included in the quoted price with price	
LIST OF STANDARD ACCESSORIES	Price	Give Complete list with price
LIST OF OPTIONAL ACCESSORIES	Price	Give Complete list with price