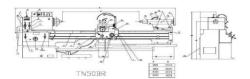


TN50BR Thechnical S	Cnacifias	tion		
WORKING AF		uon		
Swing over bed		500 mm		
Swing over cross slide	270 mm			
Swing without gap bridge	700 mm			
Distance between centers	1000, 1500, 2000 mm			
Cross slide travel	300 mm			
Toolpost working travel	140 mm			
Dimension of tool shank	32×20 mm			
Max. workpiece weight	300/45 Kg/ rpm			
Gap bridge length	230 mm			
Bed width	340 mm			
HEAD STOC	K			
Number of spindle speed steps	2 range, 12 steps each one			
Saindle and annua	range 1:	22.4-1000	r.p.m	
Spindle speed range	range 2:	45-2000 ı	.p.m	
spindle nose dia.	170 mm	170 mm according to DIN 55027		
Spindle bore taper	morse NO.6			
Spindle bore dia. (through bore)	50 mm			
Height of centers	250 mm			
Inner diameter of spindle bearing in front	80 mm			
TAILSTOCI	K			
Tailstock quill dia.	70 mm			
Tailstock quill taper	Morse NO 5			
Tailstock quill stroke	180 mm			
Cross resetting	±12			
FEEDS				
Number of longitudinal and cross feeds	38			
Range of longitudinal feed	0.05-6.4 mm/rev			
Range of cross feeds	0.025-3.2 mm/rev			
Rapid traverse Z, X axes	3000, 1500 mm/min			
THREAD PITCHES (
29 type of metric threads		0.05-40 mm		
35 type of whithworth threads	80-1 t.p.i			
26 type of module threads	0.26-20 module			
31 type of diametral pitch threads	2-27 D.P			
Lead screw	Tr40×6 mm			
MOTORS	•			
Main motor	power: 5.5 KW			
Main motor	speed: 1500 r.p.m			
n : 1.	power: 0.55 KW			
Rapid travers motor	speed: 3000 r.p.m			
Coolant pump motor		0.09kw / 2800 r.p.m		
GENERAL SPECIFICATION				
Turning length (mm)		1500	2000	
	1000	1500		
Total length (mm)	1000 2575	3075	3575	
Total length (mm)	2575	3075	3575	

LATH MACHINE MODEL TN50BR

This machine with its four guide ways hardened is suitable for all turning operations both single and mass production. It can be equipped with special attachments to comply with different applications including drilling special attachments to Comply with interests applications arounding mining internal and external grinding and screw thread cutting. Apron is equipped with rapid approach which reduces the time needed for machining. When machine is idle tool holder can be moved rapidly in four directions lessening machining time and wearing of machine components.



Features
Meehanite cast iron.
Hardening guide ways
Scraping of moving parts



uides scraped by hand. coated taper strips are used very low guide clearance Specially coated taper strips are u to provide very low guide clearanc thus ensuring highest precision, stability, minimum wear, and long service life.

Optional Equipment Digital linear scale & readout 4 jaw chuck Ø250 mm

4 jaw face plate Ø500 mm Plain face plate. Upper slide with American tool holder Rear tool post

Quick change tool psot Camlock spindle nose Face driver Arbor Morse Taper adapter

Live center Morse No. 5 Toolpost Grinder

Taper turnig attachment Large steady rest Φ 110 - Φ250 mm Rear Cover Cable carrier

Tooling (All cutting tools & tool holder for a Set of change gears
Controlling (All measuring & test devices) Set of operating tools
Spare parts for 2 & 5 years 1 year mechanism warranty

Standard equipment Specification: 3 jaw chuck Ø250 mm Drive plate Dia. 235 mm Flange for chuck Ø250 mm Spindle Morse Taper adapter Centre Morse 5 Chip pan (Tray) Cooling equipment with tank and pump Upper slide with 4-way toolpost Spare shear pins for lead screw Lighting equipment for 24 volts / without bulb Chip guard (carriage mounted) Universal chuck & Chip guard Anchoring screws

Steady rest Φ 10 - Φ115mm. Follow rest Φ 10 - Φ115 mm.

5 years technical support

Instruction handbook

MAIN ADVANTAGES

- Simple and ergonomic control
 High turning precision
 Long lifetime

- Low operating costs
 Possibility to cut non-standard threads
- · Easy maintenance

