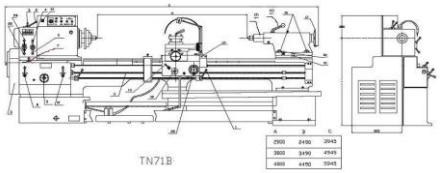


TN71B Thechnical Specification			
WORKING AREA			
Swing over bed	710 mm		
Swing over cross slide	420 mm		
Swing without gap bridge	960 mm		
Distance between centers	2000, 3000, 4000 mm		
Cross slide travel	400 mm		
Toolpost working travel	180 mm		
Dimension of tool shank	40×25 mm		
Max. workpiece weight	1500/45 Kg/ rpm		
Gap bridge length	300 mm		
Bed width	450 mm		
HEAD STOCK			
Number of spindle speed steps	2 range, 8 steps each one		
Spindle speed range	range 1: 10-112 r.p.m		
	range 2: 90-1000 r.p.m		
spindle nose dia.	220 mm according to DIN 55027		
Spindle bore dia. (through bore)	71 mm		
Spindle bore taper	80 metric		
Height of centers	355 mm		
Inner diameter of spindle bearing in front	110 mm		
TAILSTOCK			
Tailstock quill dia.	90 mm		
Tailstock quill Taper	Morse NO 5		
Tailstock quill stroke	240 mm		
Cross resetting	±10		
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	2800, 1400 mm/min		
THREAD PITCHES (TAPPING)			
29 type of metric threads	0.5-40 mm		
35 type of whithworth threads	80-1 t.p.i		
26 type of module threads	0.25-20 module		
31 type of diametral pitch threads	2-27 D.P		
Lead screw	Tr48×6 mm		
MOTORS			
Main motor	power: 7.5 KW		
	speed: 1450 r.p.m		
Rapid travers motor	power: 0.55 KW		
	speed: 2800 r.p.m		
Coolant pump motor	0.09kw / 2800 r.p.m / 10 Lit.		
GENERAL SPECIFICATION			
Turning length (mm)	2000	3000	4000
Total length (mm)	4180	5180	6180
Total width	1450	1450	1450
Height	1720	1720	1720
Approximate weight (kg)	3000	3250	3500

LATH MACHINE MODEL TN71B

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 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

Features

Meehanite cast iron.
Hardening guide ways
Scraping of moving parts

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

Optional Equipment

Digital linear scale & readout
4 jaw chuck Ø315 mm
4 jaw face plate Ø710 mm
Plain face plate
Upper slide with American type tool holder
Rear tool post
Quick change tool psot
Camlock spindle nose
Arbor Morse Taper adapter
Live center Morse No. 5
Toolpost Grinder
Taper turnig attachment
Large steady rest dia. Ø180 – Ø320 mm
Fixed micrometric stop
Rear Cover
Cable carrier
Tooling (All cutting tools & tool holder for operations)
Controlling (All measuring & test devices)
Spare parts for 2 & 5 years

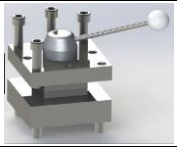
Standard Equipment

Specification:

3 jaw chuck Ø315 mm.
drive plate Dia. 300 mm
Flange for chuck Ø315 mm
Spindle Morse Taper adapter
Center Morse 5
Upper slide with 4 way toolpost
Spare shear pins for lead screw
Chip pan (Tray)
Cooling equipment with tank & pump
Lighting equipment
Chip guard (carriage mounted)
Universal chuck & Chip guard
Steady rest (Ø12 – Ø180)
Follow rest (Ø12 – Ø180)
Anchoring screws
Set of change gears
Set of operating tools
1 years mechanism warranty
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
- Possibility to cut various types of threads with wide range of pitches
- Wide range of optional accessories

			
3 jaw self-centering	4 jaw faceplat	Chuck flange	Steady rest
			
4 jaw self-centering	Faceplat	Drive plate	Follow rest
			
Thread indicator	Taper turning attachment		Large steady rest
			
Tool post	Rear Tool post	Quick change Tool post	Cam lock spindle nose
			
Face driver	Live center Morse	Center Morse	Grinding attachment