VERSATILITY

- small built-up area
- swing over bed increase – bed gap
- simple gearshifting
- simple maintenance
- the inch and metric version
- option to modify to meet different mains voltage
- wide range of versions and accessories
- CE security standards

MATERIAL MACHINING QUALITY

- stability in turning of material
- ergonomic operating
- clutch and brake-driven spindle – smooth movement stop

LIFE-CYCLE AND PROFITABILITY

- hardened bed sliding surfaces
- low operating costs
- service availability – experience

STANDARD

- operating manual
- spindle reducing sleeve
- MORSE 5 centre
- operator's tool kit
- shear pins
- exchange gears set

TECHNICAL PARAMETRES

Working range

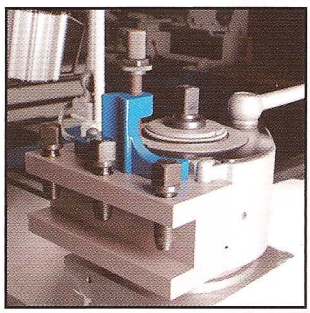
Swing over bed	720 mm
Swing over cross slide	430 mm
Swing of the bed gap	960 mm
Useful length of the bed gap	300 mm
Distance between centres	1500, 2000, 3000, 4000 mm
Height of centres over bed	355 mm

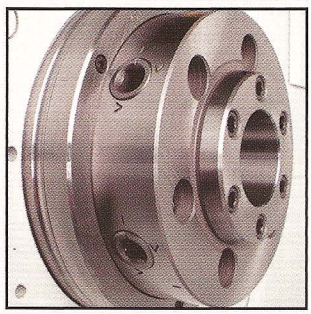
Spindle

Speed range	10 - 1600 min.$^{-1}$
Spindle front nose	STN ISO 702/III – B8
Bore	77 mm
Internal taper	METRIC 90
Max. torque/limiting speed	1650/40 Nm/min.$^{-1}$

Carriages

Cross slide working travel	400 mm
Tool slide working travel	180 mm
Max. tool size	40 x 25 mm
Traverse feed number	38
Working range of longitudinal feed	0.039 – 4.8 mm.rev.$^{-1}$
Working range of cross feed	0.0195 – 2.4 mm.rev.$^{-1}$
Longitudinal rapid traverse	3000 mm.min.$^{-1}$
Cross rapid traverse	1500 mm.min.$^{-1}$





OPTIONS

- inch version
- spindle nose ISO 702/II CAMLOCK
- exchangeable gears to turn 11,5; 13 and 27 threads per 1 inch
- tool head MULTIFIX C
- folding handles
- tropical version
- execution with 11 kW motor
- enlarged spindle bore ø 105 mm
- different voltages and frequencies
- movable electric power supply
- digital read out

ACCESSORIES

- 4-jaw face-plate, ø 670 mm
- plain face-plate, ø 710mm
- universal 3 – 4-jaw chuck, ø 315 mm
- live centre MORSE 6
- steady rest, ø 12 – 180 mm
- follow rest, ø 12 – 180 mm
- large steady rest, ø 180 – 320 mm
- rolling contact bearings for steady rests
- rear tool holder
- taper turning attachment
- tool post grinder
- longitudinal micrometer stop (cross)
- thread indicator
- drive plate
- flange for chuck
- anchoring material
- grease gun
- covers of chucking boards

Tailstock

Tailstock sleeve diameter	100 mm
Tailstock sleeve travel	240 mm
Tailstock sleeve internal taper	MORSE 6
Cross resetting	±10 mm

Threads

Metric threads	– number	29
	– range	0.5 - 40 mm
Whitworth threads	– number	38
	– range	1 - 80 thread/1"
Modular threads	– number	26
	– range	0.25 - 20 mm
Thread Diametral Pitch	– number	31
	– number of DP thread	2 - 72

Work piece weight

Max. work piece weight clamped between centres	1500 kg
Max. work piece weight, clamped in the chuck	160 kg

Power drives

Total power input	9.2 kVA
Supply voltage	3 x 400 ± 10% V
Motor output	
- main drive	7.5 kW
- coolant pump	0.09 kW
- rapid traverse	0.94 kW

Dimensions

Width x Height	1275 x 1635 mm
Length for DBC 1500, 2000, 3000, 4000	3515, 4015, 5015, 6015 mm

Weight

Length for DBC 1500, 2000, 3000, 4000	3090, 3250, 3620, 3890 kg