



Manufactured at:



TORNADO

T8

TORNADO T8

Machine Serial
Number

Year of
Manufacture

This manual applies only to the machine having the serial number shown: this is stamped on the front of the lathe bed at the tailstock end and **MUST** be quoted in all communications.



Machine Specification

Capacity	T8
Swing over bed	510mm
Maximum turned diameter	260mm
'X' Axis travel	240mm
'Z' Axis travel [Turned length]	540mm
'A' Axis travel	-
'Y' Axis travel	-
Carriage inclination [Slant bed]	60°
Main Spindle	T8
Spindle centre height [from floor]	260
Spindle nose	A2-6
Chuck size	210/254mm
Spindle bore	77.5mm
Drawtube [bar] capacity	65mm
Spindle bearing [internal diameter]	110mm
Spindle speed [max] rpm	3500 or 5000*
Spindle motor power	22kW
'C' Axis resolution **	0.001°
Axes	T8
'X' Axis ballscrew [diameter and pitch]	32 x 5mm
'X' Axis rapid traverse	25m/min
'X' Axis thrust	3.75kN
'Z' Axis ballscrew [diameter and pitch]	40 x 10mm
'Z' Axis rapid traverse	30m/min
'Z' Axis thrust	7.15kN
'A' Axis ballscrew [diameter and pitch]	-
'A' Axis rapid traverse	-
'A' Axis thrust	-
'Y' Axis ballscrew [diameter and pitch]	-
'Y' Axis rapid traverse	-
'Y' Axis thrust	-
Turret	T8
Operation [hydraulic clamp/servo index]	Bi-directional
Disk diameter [* = Across Flats]	410
Tooling Type	VDI 40
Number of tool stations	12
Turning tool shank size	25 x 25mm
Maximum boring bar	40mm

Machine Specification

Sub Spindle	T8
Width across cross guide ways	-
Min / Max travel [jaw to jaw]	-
Spindle nose	-
Chuck size	-
Spindle bore	-
Draw tube diameter [x length]	-
Spindle speed [max]	-
Spindle power	-
Spindle torque	-
'B' Axis resolution	-
Tailstock [If fitted - Optional extra]	T8
Hydraulic quill	Yes
Quill taper	No.5 MT
Quill diameter	95mm
Quill travel	125mm
Maximum quill thrust	7.85kN
Tailstock body travel	600mm
Size and Weight	T8
Maximum power consumption	37kVA
Machine footprint	4.05m ²
Machine weight [approx]	4450kg

Standard and Optional Accessories

Fitted as Standard	T8
Full guarding	
Coolant tank capacity	150Ltr
Coolant pump - delivery [2.5 bar]	25Ltr/min
Machine lighting - Fluorescent lamps	
Available as optional extras	
'X' Axis linear scale	
Collet chucking	
Parts catcher	
Swarf conveyor	
Tool set probe	
Inspection probe	
Bar feed unit [MBF1000]	
'Lights out' package	