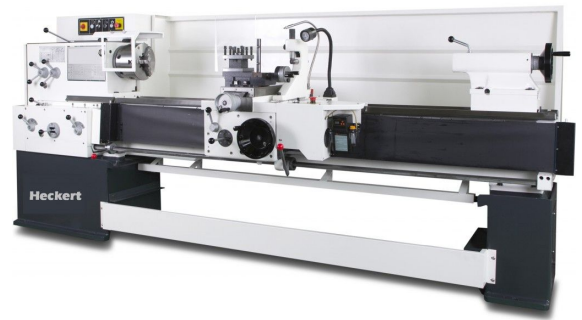


MANUAL LATHES EL SERIES

STANDARD FEATURES

- Thread-cutting gearbox: Gears are compact and coordinated. It connects the gearbox with two sets of change gears.
- Gearbox: Gearbox and headstock adopt fission structure. Convenient inspection and maintenance . Gears processed by grinding have excellent precision. Equipped with the oil filters and gear lubrication pump.
- Headstock: Spindle speed up to 2000 rpm. It connects the guideway in “Vee”shaped way, which ensures stability and stiffness. In addition, radial vibration decreased.
- Bed: Reasonable structure with accurate finite element analysis and internal tendons form with rational layout ensures its high overall rigidity. Easy removal of chips.
- Carriage and Saddle: Scraped surfaces of saddle and guideway. Over stroke limitation resulting in good safety protection.
- Apron: Handwheel located on the right hand side of the operator, directional lever situated on the left hand side. Easy operation and high safety.
- Tailstock: Scale shown on the sleeve and handwheel of the tailstock, which is easy to adjust. Its shape is in perfect harmony with the machine as a whole.
- The cooling equipment consists of a centrifugal pump, a coolant tank, and an outlet pipe. The used coolant flows through a filter back into the tank situated on the floor
- High-power 7.5kw, 1400rpm.; Small vibration and low noise; durable design



TECHNICAL SPECIFICATIONS

TABLE	UNITS	EL 50
Swing over bed	mm in	500 20
Swing over cross slide	mm in	270 10

Swing over gap	mm in	700 27
Max. turning length	mm in	1000/1500/2000 40/60/80
Width of the bed	mm in	340 13
Width of the gap	mm in	230 9
Chuck size	mm in	250 10
No. of speed steps	-	24
Spindle speed range	rpm	22-2000
Spindle bore	mm in	50 2
Spindle internal taper	-	morse 6
Travel of tool post	mm in	140 5.5
Cross slide travel	mm in	300 12
No. of tool station	-	4
Tool size	mm in	25x25/25x32 0.98x0.98/0.98x1.25
Tailstock travel type	-	Manually
Quill stroke	mm in	180 12
Quill dia.	mm in	70 2.7
Quill nose	morse	5
No. of longitudinal and cross feed	-	38
Rapid traverse X/Z axes	m/min	0.7/5
Longitudinal Feed range in 1:1	mm/rev in/rev	0.05-0.8 0.01-0.03
Longitudinal Feed range in 8:1	mm/rev in/rev	0.64-6.4 0.25-2.51
Cross Feed range in 1:1	mm/rev in/rev	0.025-0.4 0.009-0.15
Cross Feed range in 8:1	mm/rev in/rev	0.32-3.2 .0001-0.12
35 withworth	tpi	1-80
26 modules	module	0.25-20
31 diametral	dp	2-72
Lead screw	mm	Tr 40×6
Main motor power	kw hp	7.5 10.05
Coolant motor	kw hp	0.125 0.16
Rapid traverse motor	kw hp	0.55 0.73
Machine Length 1000/1500/2000	mm in	2575/3075/3575 101/120/140
Machine Weight 1000/1500/2000	kg lb	1850/1950/2050 4078/4299/4519