



NSIC Approved
India's Largest Machine Tools Company



ALL GEARED LATHE MACHINE - EXTRA HEAVY DUTY

Technical Specifications

MODEL	ESSML-450	ESSML-500	ESSML-600
Swing Over Bed	880mm	980mm	1150mm
Width of bed	510mm	560mm	660mm
Height of center	450mm	500mm	600mm
Swing over cross slide	610mm	660mm	760mm
Swing in gap	1300mm	1350mm	1600mm
Distance Between Centers	2000mm, 2500mm 3000mm, 3500mm 4000mm, 4500mm, 5000mm	2500mm, 3000mm, 3500mm 4000mm, 4500mm, 5000mm 6000mm	2500mm, 3000mm, 3500mm 4000mm, 4500mm, 5000mm 6000mm
No's of spindle speeds	8 Nos.	8 Nos.	8 Nos.
Range Of Speeds	25-275 RPM	25-275 RPM	25-275 RPM
Spindle Bore	105mm	105mm	105mm
Metric Threads	1-14mm	1-14mm	1-14mm
With Worth Threads TPI	2-30TPI	2-30TPI	2-30TPI
D.P. Threads	6-80DP	6-80DP	6-80DP
No of Feeds	30	30	30
Range of Long Feed	0.2 to 3.0mm/REV.	0.2 to 3.0mm/REV.	0.2 to 3.0mm/REV.
Range of Transverse feed	0.033 to 0.50/REV.	0.033 to 0.50/REV.	0.033 to 0.50/REV.
Electricals	7.5 HP 1440 RPM 3 PH	10 HP 1440 RPM 3PH	10 HP 1440 RPM 3 PH

Standard Accessories:

Electric Motor With Control Panel, Headstock's And Tailstock's Dead Centre, Thread Dial Indicator, Quick Change Gear Box, Square Tool Post, Driving Plate, Set Of Spanners & Keys, Instruction Manual

Optional Accessories:

4 Jaw Independent Dog Chuck With Back Plate, Quick Change Tool Post, Telescopic Taper Turning Attachment Electric Magnetic Brake, Splash Guard, Rear Tool Post, Rapid Traverse Of Slide, Machine Lamp, Steady Rest

Features:

BED: 2V & 2 flat type made of close grained cast iron. Robust and heavily ribbed Walls With wide Openings to facilitate easy flow of Chips. Guideways are hardened and precision ground stopping.

HEAD STOCK: All geared type. Gears are made from alloy steel & are hardened & Precision ground

MAIN SPINDLE: Made from alloy steel hardened & ground. Supported by precision taper roller bearings.

D.P.THREADS: Universal feed box to cut metric Module inch & FEED BOX

TAIL STOCK: Moves on 'V' & flat guide of the bed. Cross movement is incorporated for turning of slight tapers.

SADDLE: Provided with full length cross slide & taper wedge to adjust sliding clearance.

SAFETY DEVICES: Emergency switch for instantaneous thermal overload relay for electrical system. Mechanical over load tripping for feeds. Shear Key for end gears & Shear pin for lead interlock for simultaneous Start of feeds & thread cutting Wipers for guide Ways.

ESSKAY INTERNATIONAL MACHINE TOOLS

29/23 DHIR ROAD BYE PASS BATALA. (P.B.)-INDIA.

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