



NSIC Approved
India's Largest Machine Tools Company



ALL GEARED LATHE
MODEL - ESSAL-35

TECHNICAL INFORMATION

Technical Specification	ESSAL- 34	ESSAL- 35	ESSAL- 36	ESSAL- 43	ESSAL- 48	ESSAL- 60
Height of Centers	170	175	180	215	240	300
Swing over bed	340	350	360	430	480	600
Swing over slide	180	190	200	270	275	390
Width of Bed	240	242	242	280	325	375
Spindle bore	40	40	40	50	50	80
Spindle nose	LOO-Type	LOO-Type	LOO-Type	LOO-Type	LOO-Type	LOO-Type
Spindle Speed No.	8	8	18 H-L	8	18 H-L	16 H-L
RPM	60-1025	60-1025	30-1550	60-1025	30-1550	30-1050
Cross slide Travel	175	180	185	220	260	325
Top slide Travel	125	125	125	130	150	150
Tail Stock Sleeve	MT-3	MT-3	MT-3	MT-3	MT-4	MT-4
Quill Dia. /Travel	50/125	50/125	50/125	50/125	75/150	75/150
Tool shank section	20 x 20mm	20 x 20mm	20 x 20mm	20 x 20mm	25 x 25mm	25 x 25mm
Feeds Longitudinal	No.40/. 002-1	No.40/. 002-1	No.40/. 002-1	No.40/. 002-1	No.40/. 002-1	No.40/. 002-1
Feeds Transverse	No.40/.005-0. 025	No.40/.005-0. 025	No.40/.005-0. 025	No.40/.005-0. 025	No.40/.005-0. 025	No.40/.005-0. 025
Metric Thread	40/0.4-7mm	40/0.4-7mm	40/0.4-7mm	40/0.4-7mm	40/0.4-7mm	40/0.4-7mm
Thread Per Inch	45/70-4 TPI	45/70-4 TPI	45/70-4 TPI	45/70-4 TPI	45/70-4 TPI	45/70-4 TPI
Lead Screw	4 TPI	4 TPI	4 TPI	4 TPI	4 TPI	4 TPI
Main Motor	1.5 kw	1.5 kw	1.5 kw	2. 25kw	3.7 kw	3.7 kw
Admit Between Center	600	750/1000	750/1000	1500/2500	1000/1600/2500	1500/2500
Bed Length Feet	4.5'	5' / 6'	5' / 6'	8' / 11'	7'9'/12'	9' / 12'
Wight Approximant	550	750/850	750/850	1200/1500	1300/1500/1800	1900/2300

Special Features

Bed is hyperbolic bridge constructed type and specially designed wide opening to easy chip disposal. It is heavily ribbed and robust constructed in Banka 35, 36, 43 and 60 modals.
 Hardened & ground bed ways. gears, spindle, spline, shaft, quill, etc.(Turcite B) Linear Bearing system on carriage. Head stock body is of latest specially designed, The spindle is mounted on selected precision bearings. Spindle speeds in geometric progress ratio. Oil intiliration splash lubrication. American Lo type spindle nose.
 Gear box arrangement for real time saving equipment. Quick change gear box provides charges of feeds & threads. Separate lead screw & feed shaft for threading pitch accuracy.
 Apron are totally enclosed oil bath system. T-slot on carriage for mounting special features. Lever type arrangement for automatic feeds.
 Graduation Dial for tail stock & wheel movement. Metric system Micro collar for all screws & nuts. Tail stock sleeve is tang shank type for heavy drilling. Easy to operate & inter changeable parts. Trolley type chip disposal system.

Standard Accessories:

- Steady Rest
- Follow Rest
- Electric motor with control panel
- 3 Jaw Self Centering chuck 200 MM
- 4 Jaw Independent Chuck-300 MM

Optional Accessories:

- Coolant Pump, Key Way Cutting Attachment
- Grinding Attachment
- Taper Turning Attachment
- D.R.O (Digital Read Out System)
- Rapid for longitudinal travel

MANUFACTURED AT:-

ESSKAY INTERNATIONAL MACHINE TOOLS

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

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