Conventional Horizontal Lathes

DL E Heavy 1000/8000

SKU : 300522

With the machines of the DL E Heavy series, you can machine really large turning diameters and workpiece lengths. This lathe series is the solution for conventional machining of workpieces up to 8000 mm (315 in.) in length and over 1600 mm (63 in.) in diameter. The particularly wide and heavily ribbed machine bed takes heavy workpiece weights. Powerful motors drive the main spindle via a finely adjustable multi-disc clutch. The rapid traverse in the support is particularly effective with large bed lengths and the heavy tailstock is also moved with a motor drive.

- Center widths up to 8000 mm
- Spindle bore of 130 mm
- Powerful motor
- Rapid feed in X and Z directions
- Complete with assembled 3-axis position indicator

TECHNICAL SPECS

WORKING AREA

Workpiece length (max.)	8000 mm
Turning diameter over bed	2000 mm
Turning-Ø over support	1600 mm
Workpiece weight (max.)	10000 kg
Bed width	1100 mm
Max. weight capacity (between centers)	10000 kg
Max. weight capacity (on chuck)	1500 kg

TRAVELS

Travel X-axis	1020 mm
Travel Z-axis	7800 mm
Travel Z1-axis	200 mm
Swing range of top slide	± 180°

HEADSTOCK

Spindle speeds (right)	2 1/min - 200 1/min
Spindle speeds (left)	2.5 1/min - 200 1/min
Spindle bore	130 mm
Spindle mount	ISO A2-15

RAPID FEED

Rapid feed X-axis	1870 mm/min
Rapid feed Z-axis	3740 mm/min

FEED

Feed X-axis	0.064 mm/R - 12 mm/R
Feed Z-axis	0.032 mm/R - 6 mm/R
Feed Z1-axis	0.016 mm/R - 3 mm/R

THREADING

Threading, metric	1 mm - 120 mm
Threading, diametric	(42) 30 - 1/4 DP
Threading, module	0.5 mm - 60 mm
Threading, whitworth	(48) 0,5 - 60 TPI

TAILSTOCK

Tailstock quill diameter	200 mm
Tailstock quill taper	MT 6
Tailstock quill stroke	300 mm
Tailstock traverse adjustment	± 2,5 mm

DRIVE CAPACITY

Motor rating main drive	30 kW

MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	12.92 m x 2.38 m x 2.51 m
Weight	30080 kg

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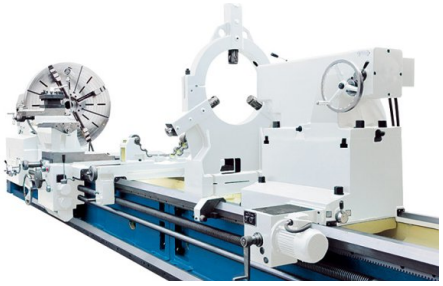

PRODUCT DETAILS

- 30kW motor ensures high cutting power
- Heavy-duty cast-iron body with ribbed bed reduces vibrations to a minimum
- Induction hardened and ground guideways
- Joystick control for X and Z feeds is mounted directly to support
- Hand wheel for tailstock adjustment
- Separate rapid feed motor for feed in X and Z direction
- Sturdy multi-disk clutch for headstock drive
- Large spindle bearings
- Includes completely assembled 3-axis position indicator
- Overload clutch enclosed in apron

3-axis position indicator

- More accuracy
- Lower error rate
- Increased productivity
- Resulting in valuable time savings
- For increased productivity
- Easy to read display
- Operator-specific features
- Convenient keyboard layout
- Resolution: 0.01/ 0.005 mm
- Default coordinates
- Axis position is maintained when display is turned off
- Hole circle pattern calculation
- Calculator function
- Storage for 10 tools
- Radius / diameter toggle
- Mm/inch conversion
- Easy expansion and maintenance-free operation
- Display for top (Z0) and box way slide (Z1) both separate and in differential / cumulative mode for lathes

STANDARD EQUIPMENT

3-axis position indicator X.Pos 3.2
4-jaw face plate chuck Ø 1600 mm
Coolant system
Steady rest 220-630 mm
Motorized tailstock
LED work lamp
Center points
Reducing sleeve
Foundation bolts
Central lubrication
Operating tools
Operator instructions

OPTIONAL EQUIPMENT

- Follow rest 50-220 mm, SKU : 250645
- Steady rest 500-1100 mm, SKU : 250646

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