

Conventional Horizontal Lathes

DL E Heavy 800/8000

SKU : 300516

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 315"
- Spindle bore of 5.12"
- Powerful motor
- Rapid feed in X and Z directions
- Complete with assembled 3-axis position indicator



TECHNICAL SPECS

WORKING AREA

| | |
|--|-----------|
| Workpiece length (max.) | 315 in |
| Turning diameter over bed | 63 in |
| Turning-Ø over support | 50 in |
| Workpiece weight (max.) | 13200 lbs |
| Bed width | 38 in |
| Max. weight capacity (between centers) | 13200 lbs |
| Max. weight capacity (on chuck) | 3300 lbs |

TRAVELS

| | |
|--------------------------|---------|
| Travel X-axis | 32.3 in |
| Travel Z-axis | 307 in |
| Travel Z1-axis | 8 in |
| Swing range of top slide | ± 180° |

HEADSTOCK

| | |
|------------------------|--------------------|
| Spindle speeds (right) | 2.5 rpm - 250 rpm |
| Spindle speeds (left) | 3.15 rpm - 250 rpm |
| Spindle bore | 5.1 in |
| Spindle mount | A2-15 |

RAPID FEED

| | |
|-------------------|---------------|
| Rapid feed X-axis | 73.62 in/min |
| Rapid feed Z-axis | 147.24 in/min |

FEED

| | |
|--------------|-----------------------------|
| Feed X-axis | 0.00252 in/R - 0.47244 in/R |
| Feed Z-axis | 0.00126 in/R - 0.23622 in/R |
| Feed Z1-axis | 0 in/R - 0.12 in/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) 05 - 60 TPI |

TAILSTOCK

| | |
|-------------------------------|-----------|
| Tailstock quill diameter | 6 in |
| Tailstock quill taper | metric 80 |
| Tailstock quill stroke | 12 in |
| Tailstock traverse adjustment | ± 0,1 in |

DRIVE CAPACITY

| | |
|-------------------------|---------|
| Motor rating main drive | 29.5 Hp |
|-------------------------|---------|

MEASURES AND WEIGHTS

| | |
|--|------------------------|
| Overall dimensions (length x width x height) | 435 in x 82 in x 88 in |
| Weight | 46244 lbs |



PRODUCT DETAILS

- Powerful 29-HP motor ensures very high chip removal capacity
- Heavy, large cast-iron body and machine bed with strong ribbing to reduce vibrations to a minimum
- Induction hardened and ground guideways
- Joystick control for X and Z feeds is mounted directly to support
- Separate rapid feed motor for feed in X and Z-axis
- 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: 0.0004 / 0.0002"
- 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 (55" diam.)
 Coolant system
 Steady rest 9" - 25"
 Motorized tailstock
 LED work lamp
 Center points
 Reducing sleeve
 Foundation bolts
 Central lubrication
 Operating tools
 Operator instructions

OPTIONAL EQUIPMENT

- Follow rest 2"-9", SKU : 250643
- Steady rest 10"-35", SKU : 250644