



## PRODUCT.BROCHURE.SKU: 300512

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

## PRODUCT.BROCHURE.technical\_specs

### ATTRIBUTES.MEG-000008.DESCRPTION

attributes.MEG-000008.MER-001008	3000 mm
attributes.MEG-000008.MER-000063	1600 mm
attributes.MEG-000008.MER-000065	1280 mm
attributes.MEG-000008.MER-000311	6000 kg
attributes.MEG-000008.MER-000047	970 mm
attributes.MEG-000008.MER-002599	6000 kg
attributes.MEG-000008.MER-002600	1500 kg

### ATTRIBUTES.MEG-000059.DESCRPTION

attributes.MEG-000059.MER-000287	820 mm
attributes.MEG-000059.MER-000289	2800 mm
attributes.MEG-000059.MER-000334	200 mm
attributes.MEG-000059.MER-000236	± 180°

### ATTRIBUTES.MEG-000007.DESCRPTION

attributes.MEG-000007.MER-000618	2.5 1/min - 250 1/min
attributes.MEG-000007.MER-000617	3.15 1/min - 250 1/min
attributes.MEG-000007.MER-000251	130 mm
attributes.MEG-000007.MER-000259	ISO A2-15

### ATTRIBUTES.MEG-000060.DESCRPTION

attributes.MEG-000060.MER-000083	1870 mm/min
attributes.MEG-000060.MER-000085	3740 mm/min

### ATTRIBUTES.MEG-000006.DESCRPTION

attributes.MEG-000006.MER-000293	0.064 mm/R - 12 mm/R
attributes.MEG-000006.MER-000295	0.032 mm/R - 6 mm/R
attributes.MEG-000006.MER-000296	0.016 mm/R - 3 mm/R

### ATTRIBUTES.MEG-000005.DESCRPTION

attributes.MEG-000005.MER-001594	1 mm - 120 mm
attributes.MEG-000005.MER-000112	(42) 30 - 1/4 DP
attributes.MEG-000005.MER-000114	0.5 mm - 60 mm
attributes.MEG-000005.MER-000748	(48) 0,5 - 60 TPI

### ATTRIBUTES.MEG-000009.DESCRPTION

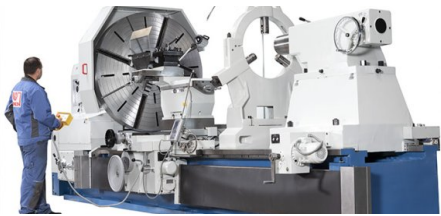
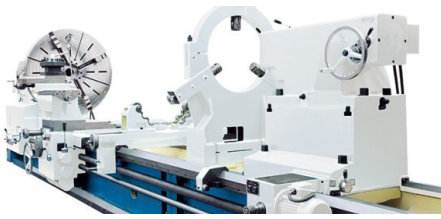
attributes.MEG-000009.MER-000749	160 mm
attributes.MEG-000009.MER-000672	metric 80
attributes.MEG-000009.MER-000196	300 mm
attributes.MEG-000009.MER-000197	± 2,5 mm

### ATTRIBUTES.MEG-000002.DESCRPTION

attributes.MEG-000002.MER-000159	22 kW
----------------------------------	-------

### ATTRIBUTES.MEG-000004.DESCRPTION

attributes.MEG-000004.MER-000002-height	6.04 m x 2.06 m x 2.23 m
attributes.MEG-000004.MER-000108	12900 kg



## PRODUCT.BROCHURE.PRODUCT\_DETAILS

- 22 kW motor ensures high cutting power
- Heavy-duty cast-iron body with ribbed bed reduces vibrations to a minimum
- Induction hardened and ground guideways
- Sturdy multi-disk clutch for headstock drive
- Separate rapid feed motor for feed in X and Z direction
- Joystick control for X and Z feeds is mounted directly to support
- Motorized positioning of tailstock (all models with a minimum center width of 3000 mm)
- 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

## PRODUCT.BROCHURE.STANDARD\_EQUIPMENT

3-axis position indicator X.Pos 3.2  
 4-jaw face plate chuck Ø 1400 mm  
 Coolant system  
 Steady rest 220-630 mm  
 Motorized tailstock  
 LED work lamp  
 Center points  
 Reducing sleeve  
 Central lubrication  
 Operating tools  
 Operator instructions  
 Foundation bolts

## PRODUCT.BROCHURE.OPTIONAL\_EQUIPMENT

- Follow rest 50-220 mm, product.brochure.sku: 250643
- Steady rest 260-900 mm, product.brochure.sku: 250644



## KNUTH on YouTube Information to the point

On our YouTube channel you can find videos for nearly all machines from our program. We show the machines from current deliveries and you get an impression of the handling, the processing quality and the machining performance.

**Are you interested in a machine for which you cannot find a current video?  
Please feel free to contact us!**