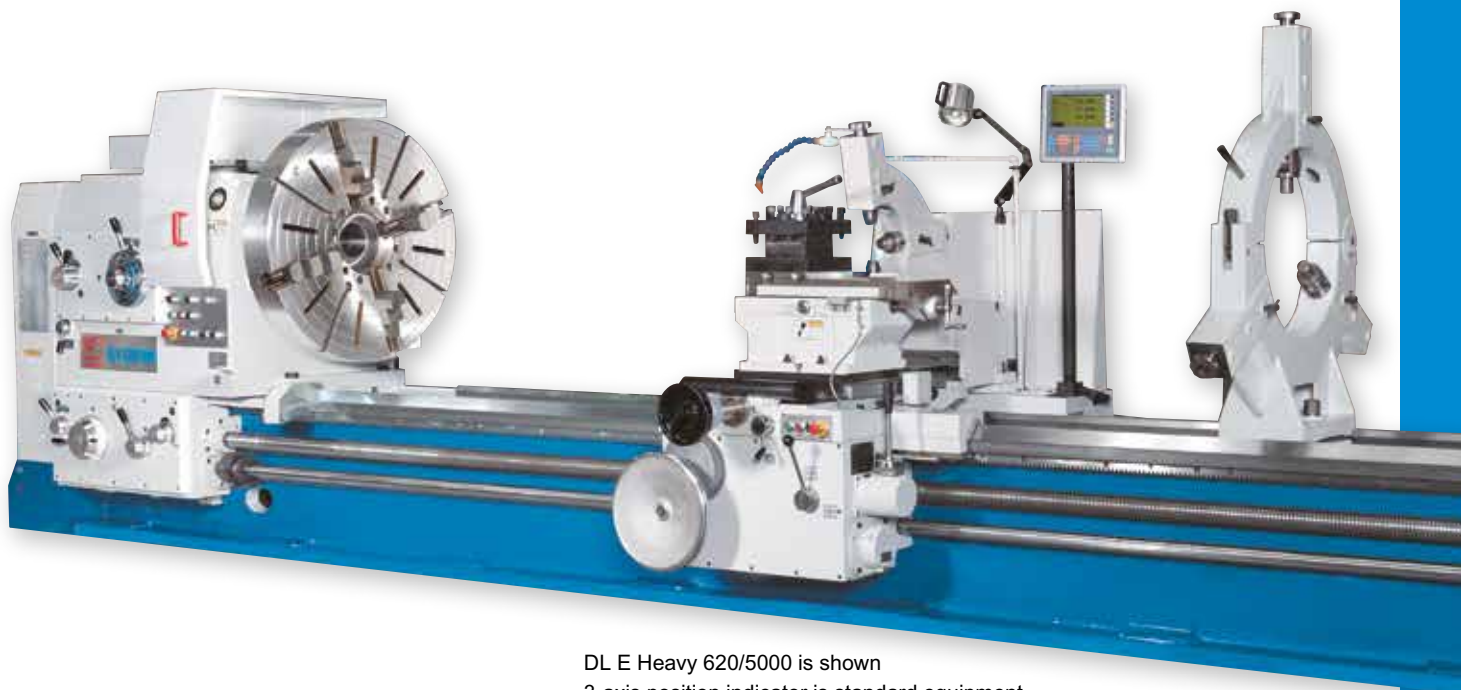




Universal Heavy-Duty Lathe

DL E Heavy

5" spindle bore, large turning diameter and center widths up to 315"



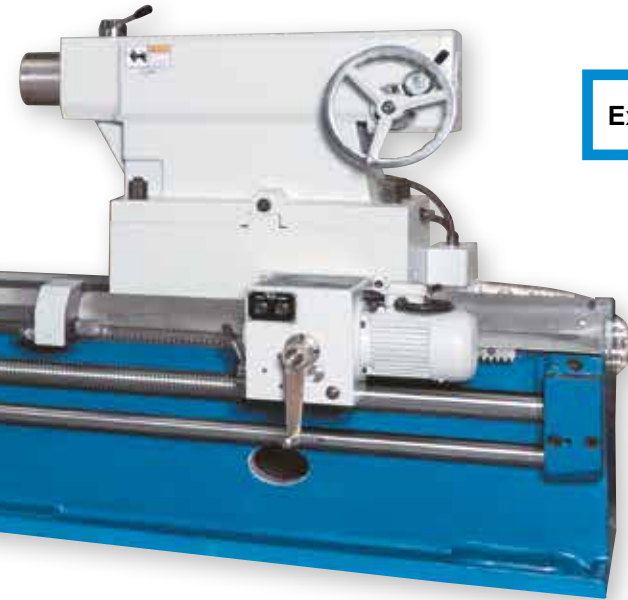
DL E Heavy 620/5000 is shown
3-axis position indicator is standard equipment

Specifications DL E Heavy		500/1500	500/3000	500/5000	500/8000	620/1500	620/3000	620/5000	620/8000
Working Area									
Workpiece length (max.)	in	59	118	197	315	59	118	197	315
Turning diameter over bed	in	39	39	39	39	49	49	49	49
Turning-Ø over support	in	26	26	26	26	35	35	35	35
Travels									
Travel Z-axis	in	51	110	189	307	51	110	189	307
Travel Z1-axis	in	12	12	12	12	12	12	12	12
Headstock									
Spindle speeds (right)	rpm	(21) 3.15 - 315	(21) 3.15 - 315	(21) 3.15 - 315	(21) 3.15 - 315	(21) 3.15 - 315	(21) 3.15 - 315	(21) 3.15 - 315	(21) 3.15 - 315
Spindle bore	in	5	5	5	5	5	5	5	5
Spindle mount		A2-15	A2-15	A2-15	A2-15	A2-15	A2-15	A2-15	A2-15
Rapid Feed									
Rapid Feed Z-axis	in/min	147.24	147.24	147.24	147.24	147.24	147.24	147.24	147.24
Feed									
Feed X-axis	in/R	0.003 - 0.47	0.003 - 0.47	0.003 - 0.47	0.003 - 0.47	0.003 - 0.47	0.003 - 0.47	0.003 - 0.47	0.003 - 0.47
Feed Z-axis	in/R	0.001 - 0.24	0.001 - 0.24	0.001 - 0.24	0.001 - 0.24	0.001 - 0.24	0.001 - 0.24	0.001 - 0.24	0.001 - 0.24
Tapping									
Tapping, metric	mm	(45) 1 - 120	(45) 1 - 120	(45) 1 - 120	(45) 1 - 120	(45) 1 - 120	(45) 1 - 120	(45) 1 - 120	(45) 1 - 120
Tapping, diametric	DP	(42) 30-1/4	(42) 30 - 1/4	(42) 30 - 1/4	(42) 30 - 1/4	(42) 30 - 1/4	(42) 30 - 1/4	(42) 30 - 1/4	(42) 30 - 1/4
Tapping, module	mm	(46) 0.5 - 60	(46) 0.5 - 60	(46) 0.5 - 60	(46) 0.5 - 60	(46) 0.5 - 60	(46) 0.5 - 60	(46) 0.5 - 60	(46) 0.5 - 60
Tapping, withworth	TPI	(48) 0.5-60	(48) 0.5-60	(48) 0.5-60	(48) 0.5-60	(48) 0.5-60	(48) 0.5-60	(48) 0.5-60	(48) 0.5-60
Tailstock									
Tailstock quill taper		metric 80	metric 80	metric 80	metric 80	metric 80	metric 80	metric 80	metric 80
Tailstock quill stroke	in	12	12	12	12	12	12	12	12
Drive Capacity									
Motor rating main drive	Hp	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
Measures and Weights									
Overall dimensions (length x width x height)	in	182x73x71	241x72x71	319x72x71	438x72x71	182x72x71	241x75x76	319x75x76	438x75x76
Weight	lbs	20,570	23,870	27,830	35,420	21,450	25,410	29,260	36,960
Part No.		300499	300500	300502	300504	300505	300506	300508	300510

Options

To see the available options for this machine, visit our website.

- 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
- Sturdy multi-disk clutch for headstock drive
- Separate rapid feed motor for feed in X and Z-axis
- Joystick control for X and Z feeds is mounted directly to support
- Motorized positioning of tailstock (all models with a minimum center width of 118 inch)



Extensive standard equipment

Standard Equipment:

3-axis position indicator, 4-jaw independent chuck (DL E 500 and 620 series $\varnothing = 39$ inch, DL E 800 series $\varnothing = 55$ inch, DL E 1000 series $\varnothing = 63$ inch), coolant system, steady rest (DL E 500 series 2 - 18 inch, DL E 620 series 2 - 23 inch, DL E 800 and 1000 series 9 - 25 inch), follow rest 2 - 9 inch (except DL E 800 and 1000 series), motorized tailstock (all models with a minimum center width of 118 inch), LED work lamp, centers, reducing sleeves, foundation bolts, central lubrication, operating tools, operator manual

Specifications DL E Heavy		800/3000	800/5000	800/8000	1000/2000	1000/3000	1000/5000	1000/8000
Working Area								
Workpiece length (max.)	in	118	197	315	79	118	197	315
Turning diameter over bed	in	63	63	63	79	79	79	79
Turning- \varnothing over support	in	50	50	50	63	63	63	63
Travels								
Travel Z-axis	in	110	189	307	71	110	189	307
Travel Z1-axis	in	8	8	8	8	8	8	8
Headstock								
Spindle speeds (right)	rpm	(21) 2.5 - 250	(21) 2.5 - 250	(21) 2.5 - 250	(21) 2 - 200	(21) 2 - 200	(21) 2 - 200	(21) 2 - 200
Spindle bore	in	5	5	5	5	5	5	5
Spindle mount		A2-15	A2-15	A2-15	A2-15	A2-15	A2-15	A2-15
Rapid Feed								
Rapid Feed Z-axis	in/min	147.24	147.24	147.24	147.24	147.24	147.24	147.24
Feed								
Feed X-axis	in/R	0.003 - 0.47	0.003 - 0.47	0.003 - 0.47	0.003 - 0.47	0.003 - 0.47	0.003 - 0.47	0.003 - 0.47
Feed Z-axis	in/R	0.003 - 0.47	0.003 - 0.47	0.003 - 0.47	0.003 - 0.47	0.003 - 0.47	0.003 - 0.47	0.003 - 0.47
Tapping								
Tapping, metric	mm	(45) 1 - 120	(45) 1 - 120	(45) 1 - 120	(45) 1 - 120	(45) 1 - 120	(45) 1 - 120	(45) 1 - 120
Tapping, diametric	DP	(42) 30 - 1/4	(42) 30 - 1/4	(42) 30 - 1/4	(42) 30 - 1/4	(42) 30 - 1/4	(42) 30 - 1/4	(42) 30 - 1/4
Tapping, module	mm	(46) 0.5 - 60	(46) 0.5 - 60	(46) 0.5 - 60	(46) 0.5 - 60	(46) 0.5 - 60	(46) 0.5 - 60	(46) 0.5 - 60
Tapping, withworth	TPI	(48) 0.5-60	(48) 0.5 - 60	(48) 0.5-60	(48) 0.5-60	(48) 0.5-60	(48) 0.5-60	(48) 0.5-60
Tailstock								
Tailstock quill taper		metric 80	metric 80	metric 80	metric 80	metric 80	metric 80	metric 80
Tailstock quill stroke	in	12	12	12	12	12	12	12
Drive Capacity								
Motor rating main drive	Hp	29.5	29.5	29.5	40.2	40.2	40.2	40.2
Measures and Weights								
Overall dimensions (length x width x height)	in	238x82x88	317x82x88	435x82x88	205x87x95	241x87x95	319x87x95	509x94x99
Weight	lbs	28,380	35,640	46,244	28,600	40,700	51,040	66,176
Part No.		300512	300514	300516	300518	300519	300520	300522