



GTD-44HL

44" – 55" Heavy Duty Big Bore Lathes

- + Hardened and ground Turcite® coated bed ways
- + Hardened and ground gears
- + 30-HP spindle motor
- + 16-speed geared head spindle
- + Rear spindle mount optional
- + Safety chuck guard
- + Coolant pump standard
- + Up to 315-inch bed length available

Capacity & Dimensions

Swing over Bed	44"	(1,120 mm)
Swing over Cross Slide	31.89"	(810 mm)
Swing thru Gap	61"	(1,550 mm)
Width of Gap (measured from spindle nose)	22.05"	(560 mm)
Distance between Centers (Dependent upon bed selected)	39" – 315"	(1,000 - 8,000 mm)
Bed Width	24"	(610 mm)

Spindle

Spindle Motor Horsepower	30 HP	<table border="1"> <tr> <td>HIGH</td> <td>165</td> <td>225</td> <td>420</td> <td>35</td> <td>19</td> <td>14</td> <td>26</td> <td>310</td> </tr> <tr> <td>LOW</td> <td>48</td> <td>65</td> <td>120</td> <td>10</td> <td>5.5</td> <td>4</td> <td>7</td> <td>90</td> </tr> </table>	HIGH	165	225	420	35	19	14	26	310	LOW	48	65	120	10	5.5	4	7	90
HIGH	165	225	420	35	19	14	26	310												
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Spindle Speeds - 6" Bore = 16 speeds from 4 - 420 RPM																				
Spindle Bore - (10", 12" & 15" spindle bores optional)	6"	(152 mm)																		
Spindle Nose	A2 - 11	A2 - 15 & A2 - 20 optional																		
Spindle taper in Spindle Nose	MT - 7	MT - 7																		
Spindle center height to base	49"	(1,245 mm)																		

Spindle Weight Capacity

Workpiece weight limit when held by chuck only	4,400 lbs	(2,000 kg)
Workpiece weight limit when held by chuck and tailstock	13,200 lbs	(6,000 kg)
Workpiece weight limit when held by chuck, tailstock & steadyrest	17,600 lbs	(8,000 kg)

Carriage

Cross Slide Travel	20.87"	(530 mm)
Carriage Slide Width	11.81"	(300 mm)
Width of Carriage	31.10"	(790 mm)
Compound Rest Travel	14.57"	(370 mm)
Cutting Tool Height Maximum	1.26" x 1.26"	(32 x 32 mm)

Tailstock (2 speed quill advance)

Quill Diameter (5.9" diameter optional)	4.92"	(125 mm)
Quill Stroke	11.8"	(300 mm)
Quill Taper	MT - 6	MT - 7 Optional
Quill advance - 2 speed ratios	1:1 and 5:1	5X Thrust Force Multiplier
Tailstock body set-over adjustment	±0.4"	(±10 mm)

Thread Cutting

Lead screw diameter & pitch	2.36" x 2 TPI
Thread Cutting Range - 70" pitches	0.25 - 30 TPI
Thread Cutting Range - 62 metric pitches	1 - 120 mm
Thread Cutting Range - 70 diametral pitches	1 - 120 D.P.
Thread Cutting Range - 53 module pitches	0.25 - 30 M.P.

Feeds

Feed Shaft Diameter	1.26"	(32 mm)
Feeds - Longitudinal	0.0028" - 0.34 / rev	(0.072 - 8.68 mm / rev)
Feeds - Cross Sign	0.0014" 0.17" / rev	(0.036 - 4.34 mm / rev)

Power

Connected load - 86 Amps Full Load	Wired 440 vac	(220 / 440 vac motor)
Coolant Motor (coolant capacity shown with pricing)	0.25 HP	(0.2 kw)
Rapid Traverse Motor	1 HP	(0.75 kw)