



# 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"	(1120mm)
Swing over Cross Slide	31.89"	(810mm)
Swing thru Gap	61"	(1550mm)
Width of Gap (measured from spindle nose)	22.05"	(560mm)
Distance between Centers (Dependent upon bed selected)	39" – 315"	(1000 - 8000mm)
Bed Width	24"	(610mm)

**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 - 420rpm																				
Spindle Bore - (10", 12" & 15" spindle bores optional)	6"	(152mm)																		
Spindle Nose	A2 - 11	A2 - 15 & A2 - 20 optional																		
Spindle taper in Spindle Nose	MT-7	MT-7																		
Spindle center height to base	49"	(1245mm)																		

**Spindle Weight Capacity**

Workpiece weight limit when held by chuck only	4400 lbs	(2000 kgs)
Workpiece weight limit when held by chuck and tailstock	13200 lbs	(6000 kgs)
Workpiece weight limit when held by chuck, tailstock & steadyrest	17600 lbs	(8000 kgs)

**Carriage**

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

**Tailstock (2 speed quill advance)**

Quill Diameter (5.9" diameter optional)	4.92"	(125mm)
Quill Stroke	11.8"	(300mm)
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"	(±10mm)

**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 - 120mm
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"	(32mm)
Feeds - Longitudinal	0.0028" - 0.34/rev	(0.072 - 8.68mm/rev)
Feeds - Cross Sign	0.0014" 0.17"/rev	(0.036 - 4.34mm/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	(0.2kw)
Rapid Traverse Motor	1 HP	(0.75 kw)