



# GTD-44HL

## 44" – 55" Heavy Duty Big Bore Lathes

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- + 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

<b>Capacity &amp; Dimensions</b>	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 (nose to ways, limited by width of chuck)	22.05"	560 mm
	Distance between Centers (dependent upon bed selected)	59" - 314.9"	1,500 - 8,000 mm
	Bed width (a 32" wide bed GTD-44HK Heavy-Duty version is optional)	24"	610 mm
<b>Spindle</b>	Spindle Bore (9", 12" & 15" spindle bores optional)	6"	152 mm
	Spindle Nose	A2-11	A2-15 & A2-20 optional
	Spindle taper in spindle nose	MT-7	
	Spindle center height to base	49"	1,245 mm
	Spindle Motor Horsepower	30-HP	
	Spindle speeds - 6" Bore = 16-speeds from 4 - 420 rpm Larger Spindle Bores = 12-speeds (High / Low Speed Ranges)		
<b>Spindle Weight Capacity- A2-15 Version</b>	Workpiece weight limit when held by chuck only	4,409 lbs.	2,000 kgs
	Workpiece weight limit when held by chuck and tailstock	13,227 lbs.	6,000 kgs
	Workpiece weight limit held by chuck, steady rest & tailstock	17,636 lbs.	8,000 kgs
<b>Carriage and Compound</b>	Cross slide travel	20.87"	530 mm
	Cross 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
<b>Tailstock</b> (Efficient 2-speed quill advance)	Quill engraved with inch / metric graduations		
	Quill diameter (5.9" diameter optional)	4.92"	125 mm
	Quill stroke	11.8"	300 mm
	Quill advance - 2-Speed ratios	1:1 and 5:1	5X Thrust Force Multiplier
	Quill taper	MT-6	MT-7 optional
	Tailstock body set-over adjustment	± 0.4"	± 10 mm
<b>Thread Cutting</b>	Lead Screw Diameter	2.36" X 2 T.P.I	60 mm, 12 mm Pitch
	Thread cutting range - 70 inch 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.	
<b>Feeds</b>	Feed Rod Diameter	1.26"	32 mm
	Feeds - longitudinal	0.0028 -0.34 in/rev.	0.072-8.68 mm/rev.
	Feeds - cross	0.0014 -0.17in/rev.	0.036-4.34 mm/rev
<b>Power</b>	Connected load - 86-Amps Full-Load Wired	440 vac	220/440 vac motor
	Rapid traverse motor for cross & longitudinal motion	1-HP	0.75 kW
	Coolant motor	0.25-HP	0.2 kW