



# GTD-44HK

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

- + Hardened and ground Turcite® coated bed ways
- + Hardened and ground gears
- + 40-HP spindle motor
- + Double-set of spindle bearings
- + Rear spindle mount optional
- + Safety chuck guard
- + Coolant pump standard
- + Heavy duty 32" bed width

**Capacity & Dimensions**

Swing over Bed	44"	(1120mm)
Swing over Cross Slide	27.95"	(710)
Swing thru Gap	55.11"	(1400mm)
Width of Gap (measured from spindle nose)	21.26"	(540mm)
Distance between Centers (Dependent upon bed selected)	39" - 315"	(1000 - 8000mm)
Bed Width	32"	(810mm)

**Spindle**

Spindle Bore - (9", 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 Motor Horsepower	40-HP	
Spindle Speedsq	16 gears	4 - 420 RPM

**Spindle Weight Capacity**

Workpiece weight limit when held by chuck only	4400 lbs	(2000 kgs)
Workpiece weight limit when held by chuck and tailstock	15400 lbs	(7000 kgs)
Workpiece weight limit when held by chuck, tailstock & steadyrest	19800 lbs	(9000 kgs)

**Carriage**

Cross Slide Travel	23.62"	(600mm)
Carriage Slide Width	13.75"	(350mm)
Width of Carriage	34.65"	(880mm)
Compound Slide Travel	15.75"	(400mm)
Compound Slide Width	10"	(250mm)
Cutting tool height maximum	1.5" x 1.5"	(40 x 40mm)

**Tailstock (Electric motor driven body & quill)**

Quill Diameter	7.87"	(200mm)
Quill Stroke	11.87"	(300mm)
Quill Taper	MT-6	MT-7 optional
Tailstock body set-over adjustment	±0.4"	(±10mm)
Tailstock body movement	Push-button 1/2 HP electric motor driven	
Quill Drive	Push-button 1/2 HP electric motor driven	

**Thread Cutting**

Lead screw diameter (60mm, 12mm pitch metric order)	2.36" x 2 T.P.I	
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 tank capacity	0.25 HP	(0.2kw)
Rapid Traverse Motor for cross & longitudinal motion	1 HP	(0.75 kw)