



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"	(1,120 mm)
Swing over Cross Slide	27.95"	(710)
Swing thru Gap	55.11"	(1,400 mm)
Width of Gap (measured from spindle nose)	21.26"	(540 mm)
Distance between Centers (Dependent upon bed selected)	39" – 315"	(1,000 - 8,000 mm)
Bed Width	32"	(810 mm)

Spindle

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

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	15,400 lbs	(7,000 kg)
Workpiece weight limit when held by chuck, tailstock & steadyrest	19,800 lbs	(9,000 kg)

Carriage

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

Tailstock (Electric motor driven body & quill)

Quill Diameter	7.87"	(200 mm)
Quill Stroke	11.87"	(300 mm)
Quill Taper	MT - 6	MT - 7 optional
Tailstock body set-over adjustment	±0.4"	(±10 mm)
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 (60 mm, 12 mm 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 - 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 tank capacity	0.25 HP	(0.2 kw)
Rapid Traverse Motor for cross & longitudinal motion	1 HP	(0.75 kw)