



GTW-16

16" X 40"/60" Heavy Duty Engine Lathe

- + Hardened and ground Turcite® coated bed ways
- + Hardened and ground gears
- + 12-speed geared head spindle
- + Safety foot brake
- + Safety chuck guard
- + Coolant pump included
- + Chucks, steady rest and follow rest included

Capacity & Dimensions

Swing over Bed	16"	(410mm)
Center Height	8 1/6"	(205mm)
Swing over Cross Slide	9 7/16"	(240mm)
Swing thru Gap	23 7/16"	(595mm)
Length of Gap in front of face plate (D1-6 / A1-6)	6 1/8" / 6 7/8"	(155mm / 175mm optional)
Bed casting width / bed casting height	11 13/16" / 12.20"	(300mm / 310mm)

Spindle

Spindle Motor Horsepower	7.5 HP	+	540	1600	325	1000	700	2000
Spindle Speeds - 12 speeds 30 - 2000rpm	30 - 2000 rpm	-	55	160	30	95	70	200
Spindle Bore	2 1/16"		(52mm)					
Spindle Nose	D1 - 6		A1-6 Optional					
Spindle taper in Spindle Nose	MT-6		Morse Taper #6					

Carriage

Cross Slide Travel / Cross Slide Width	9" / 7 3/32"	(230mm / 180mm)
Cross Slide Lead Screw Pitch	4TPI	
Cross Slide Resolution per division	0.50" / rev.	(on diameters)
Carriage Lead Screw Diameter / Pitch	1 1/4" / 4 TPI	(32mm / 6mm pitch)
Feed Rod Dimension	7/8" hexagon	23mm hexagon

Compound

Compound Top Slide Trave / Compound Width	4 3/4" / 4 11/32"	(120mm / 110mm)
Cutting Tool Height Maximum	1.0" x 1.0"	25mm x 25mm

Tailstock

Quill Diameter	2 1/8"	(54mm)
Quill Stroke	4 3/4"	(120mm)
Quill Taper	MT-4	Morse Taper #4
Quill Tang Drive and Drift-Slot for Tailstock	included	
Tailstock Body set-over adjustment	±0.04"	±1mm

Thread Cutting

Thread Cutting Range - 40" pitches	2 - 56 TPI	
Thread Cutting Range - 53 metric pitches	0.4 - 14mm	
Thread Cutting Range - 32 diametral pitches	4 - 32 D.P.	(optional)
Thread Cutting Range - 44 module pitches	0.4 - 7 M.P.	(optional)

Feeds

Feeds - Longitudinal - 40 Feeds	0.0012" - 0.0252" / rev.	(0.032mm - 0.898mm/rev.)
Feeds - Cross - 40 Feeds	0.0006" - 0.0126" / rev.	(0.016mm - 0.449mm/rev.)
Feed stop control shaft	4 adjustable automatic feed stops to disengage the longitudinal feed	

Power

Coolant Pump motor	220 vac. / 1/8 HP / 3 Phase
Power Requirements	220 vac. / 7.5 HP / 3 Phase @ 20 amps