



GTW-13

13" X 40" Toolroom Engine Lathe

- + Hardened and ground Turcite® coated bed ways
- + Hardened and ground gears
- + 8-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	13"
Center Height	6 - 1/2"
Swing over Cross Slide	7 - 25/32"
Swing thru Gap	18 - 3/4"
Length of Gap in front of face plate, D1-4	4 - 1/2"
Distance between Centers	40"
Bed casting width, length, depth	7-3/8" / 65-1/8" / 11-13/32"

Spindle

Spindle Motor Horsepower	3-HP	HIGH	1255	2000	755	460
Spindle Speeds - 8 speed geared head rpm	70 - 2000	LOW	190	300	115	70
Spindle Bore	1 - 1/2"					
Spindle Nose	D1 - 4					
Spindle taper in Spindle Nose	MT-5	Morse Taper-5				

Carriage

Cross Slide Travel	6 - 5/16"	(160mm)
Cross Slide Width	4 - 5/8"	(118mm)
Cross Slide Lead Screw Pitch	8 TPI	
Cross Slide Resolution per division	0.25"/rev.	(on diameters)
Carriage Lead Screw Diameter / Pitch	7/8" / 8 TPI	22mm / 3mm pitch
Feed Rod Dimension	3/4" hexagon	19mm hexagon

Compound

Compound Top Slide Travel	2 - 11/16"	(68mm)
Compound Top Slide Width	3"	(76mm)
Cutting Tool Height Maximum	5/8" x 5/8"	16mm x 16mm

Tailstock

Quill Diameter	1 - 21/32"	(42mm)
Quill Stroke	4 - 1/2"	(114mm)
Quill Taper	MT - 3	Morse Taper #3
Quill Tang Drive and Drift-Slot for Tailstock	included	
Tailstock Body set-over adjustment	±0.04"	±1mm

Thread Cutting

Thread Cutting Range - 31 inch pitches	4 - 56 TPI	
Thread Cutting Range - 26 metric pitches	0.4 - 7mm	
Thread Cutting Range - 32 diametral pitches	8 - 120 D.P.	(optional)
Thread Cutting Range - 21 module pitches	0.2 - 3 M.P.	(optional)

Feeds

Feeds - Longitudinal - 32 Feeds	0.002" - 0.548" / rev.
Feeds - Cross - 32 Feeds	0.0007" - 0.0187" / rev.

Weight & Dimensions

Machine Dimensions - L x W	76 3/8" x 29 3/4"	(1940 x 755mm)
Machine Height	48 3/4"	(1238mm)
Overall Machine Weight	1345 lbs.	610 Kgs
Electrical Power Requirements	220 volts / 3 Phase @ 8.50 amps	