



GTW-22

22" Heavy Duty Engine Lathe

- + Hardened and ground Turcite® coated bed ways
- + Hardened and ground gear
- + 12-speed geared head spindle
- + Safety foot brake
- + Safety chuck guard
- + Coolant pump standard
- + Heavy duty 15-HP D1 - 11 spindle

Capacity & Dimensions

Swing over Bed	22"	(560 mm)
Center Height	11"	(280 mm)
Swing over Cross Slide	14-1/8"	(360 mm)
Swing thru Gap	29-3/8"	(745 mm)
Length of Gap in front of D1-11 face plate	6-1/2"	(165 mm)
Bed Width	16-1/8"	(400 mm)

Spindle

Spindle Motor Horsepower	15 HP	12 kw	HIGH	1,200	120	520	50	860	85
Spindle Speeds - 12 speeds 15 - 1,200 RPM (high to low)			LOW	375	35	160	15	265	25
Spindle Bore	4-1/8"	(105 mm)							
Spindle Nose	D1 - 11 Camlock	(A1 - 11 optional)							
Spindle taper in Spindle Nose	MT - 8	Morse Taper #8							
Spindle taper reduction sleeve provided	MT - 5	MT - 8 to MT - 5							
Spindle Max Weight Capacity (Chuck Only)	660 lbs	(300 kg)							
Spindle Max Weight Capacity (Chuck and Tailstock)	1,650 lbs	(750 kg)							
Spindle Max Weight Capacity (Chuck, Steady Rest & Tailstock)	3,300 lbs	(1,500 kg)							

Carriage

Cross Slide Travel	14.96"	(380 mm)
Cross Slide Width	7 3/32"	(180 mm)
Cross Slide lead screw pitch	.200" / rev	
Cross Slide resolution per division	0.001"	(on diameters)
Carriage Lead Screw Diameter	1 1/2"	(38 mm)
Carriage Lead Screw Pitch	4 TPI	(6 mm pitch)

Compound

Compound Top Side Travel	10"	(255 mm)
Compound Top Slide Width	4-11/32"	(110 mm)
Cutting Tool Height Maximum	1.0" x 1.0"	(25 mm x 25 mm)

Tailstock (2 speed quill advance)

Quill Diameter	2-15/16"	(75 mm)
Quill Stroke	6-5/16"	(160 mm)
Quill Taper	MT - 5	Morse Taper #5
Quill advance - 2 gear selected advance speeds	1:1 2:1	
Tailstock body set-over adjustment	±0.04"	±1 mm

Thread Cutting

Thread Cutting Range - 60 inch pitches	2 - 112 TPI	2 - 112 TPI
Thread Cutting Range - 60 metric pitches	0.2 - 14 mm	0.2 - 14 mm
Thread Cutting Range - 50 diametral pitches	4 - 112 D.P.	4 - 112 D.P.
Thread Cutting Range - 50 module pitches	0.2 - 7 M.P.	0.2 - 7 M.P.

Feeds

Feeds - Longitudinal - 50 Feeds	0.0014" - 0.0387" / rev	(0.037 - 1.04 mm / rev)
Feeds - Cross - 50 Feeds	0.0007" - 0.01935" / rev	(0.0185 - 0.52 mm / rev)
Coolant System	1/8 HP Pump Motor / 5 Gallon (20 L) Tank Capacity	
Power Requirements	220 vac / 3 Phase / 40 Amps (440 vac optional)	