



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 faceplate, D1-11	6-1/2"	165 mm														
	Bed width	15.75"	400 mm														
Spindle	Spindle Motor Horsepower	15-HP	12 kW														
	Spindle speeds – 12-speeds from 15 – 1,200 rpm (High & Low speed range)	<table border="1"> <tbody> <tr> <td>High</td> <td>1200</td> <td>120</td> <td>520</td> <td>50</td> <td>860</td> <td>85</td> </tr> <tr> <td>Low</td> <td>375</td> <td>35</td> <td>160</td> <td>15</td> <td>265</td> <td>25</td> </tr> </tbody> </table>	High	1200	120	520	50	860	85	Low	375	35	160	15	265	25	
	High	1200	120	520	50	860	85										
	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 kgs														
Spindle Max weight capacity (Chuck and Tailstock)	1,650 lbs.	750 kgs															
Spindle Max weight capacity (Chuck, Steady Rest and Tailstock)	3,300 lbs.	1,500 kgs															
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	Four T-nut lock-down bolts on compound cross-slide base																
	Compound top slide 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)	Engraved with inch / metric quill graduations																
	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 (with clutched feed shaft for safety)	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.														
Power	Power Requirements	220 vac, 3-Phase, 40 Amps															
	Coolant System	1/8-HP Pump Motor, 5-gallon (20L) tank capacity															