



GTD-34-38

34-38" Heavy Duty Engine Lathe

- + Hardened and Ground Bed Ways
- + Hardened and Ground Gears
- + Heavy Duty 4-Step Geared Head Spindle
- + Coolant Pump Standard
- + Rear Spindle Mount Optional
- + 30 HP Spindle Motor

Capacity & Dimensions	Model	GTD-34															
	Swing over Bed	33.86"	860 mm														
	Swing over Cross Slide	21.26"	540 mm														
	Swing thru Gap	47.24"	1,200 mm														
	Width of Gap	9.44"	240 mm														
	Bed Width	20.07"	510 mm														
Spindle	Spindle Motor Horsepower 4" Bore (20 HP 6" bore)	15 HP	11.5 kW														
	Spindle speeds – 12-speeds with 23 – 1300 rpm	<table border="1"> <thead> <tr> <th>High</th> <td>370</td> <td>730</td> <td>1300</td> <td>145</td> <td>285</td> <td>510</td> </tr> </thead> <tbody> <tr> <th>Low</th> <td>60</td> <td>115</td> <td>210</td> <td>23</td> <td>45</td> <td>82</td> </tr> </tbody> </table>		High	370	730	1300	145	285	510	Low	60	115	210	23	45	82
	High	370	730	1300	145	285	510										
	Low	60	115	210	23	45	82										
	High & Low Speed Range																
	Spindle Bore	4-1/8"	105 mm														
	Spindle Nose	A2-11	A2-11														
	Spindle taper in spindle nose	MT-7	MT-7														
	Spindle taper reduction sleeve provided	MT-5	MT-5														
	Spindle weight capacity (Chuck only)	1,102 lbs.	500 kgs														
Spindle weight capacity (Chuck and Tailstock)	2,204 lbs.	1,000 kgs															
Spindle weight capacity (Chuck, Steady Rest and Tailstock)	4,409 lbs.	2,000 kgs															
Carriage	Cross slide travel	20.08"	510 mm														
	Carriage width	25.98"	660 mm														
Compound	Compound Rest Travel	14.56"	370 mm														
	Cutting tool height maximum	1.26"	32 mm														
Tailstock	Engraved with inch / metric																
	Quill diameter	4.92"	125 mm														
	Quill stroke	11.81"	300 mm with 2-speed quill gearing														
	Quill taper	MT-6	Morse Taper #6														
	Quill tang drive and drift-slot for tailstock	Included	Included														
	Tailstock body set-over adjustment	± 1/2"	± 13 mm														
Thread Cutting	Lead screw diameter & pitch	1.77" x 12 mm															
	Thread cutting range – 36 inch pitches	2 – 28 TPI	1.25" X 1.25"														
	Thread cutting range – 65 metric pitches	0.8 – 14 mm	1.97"														
	Thread cutting range – 36 diametric pitches	4 – 56 D.P.	1.97"														
	Thread cutting range – 22 module pitches	0.5 – 7 M.P.	1.97"														
Feeds (with clutched feed shaft for safety)	Feeds – longitudinal	0.0019 - 0.027 in / rev.	0.05 – 0.7 mm / rev.														
	Feeds – cross	0.00098 - 0.0137 in / rev.	0.05 – 0.7 mm / rev.														
	Feed shaft stop control	4-adjustable automatic feed stops to disengage the longitudinal feed															
	Feed Rod Diameter	1.26"	32 mm														
Electrical Requirements	Connected load - 12 kW	10 kVA, 220 vac, 42 amps, (440 vac optional)															
	Rapid traverse motor	1/4-HP	0.1875 kW														
	Coolant motor / Coolant tank capacity	1/8-HP / 11-gallons	40 liters														