



GTD-34

34" Heavy Duty Engine Lathe

- + 15-HP spindle motor for efficient metal removal capability
- + Hardened & ground A2-11 spindle and 4" spindle bore
- + 12-speed geared-headstock with 23 – 1300 rpm spindle speeds
- + Alloy Steel Hardened & Ground Headstock Gears
- + Safety gated spindle control lever to protect from accidental engagement
- + Footbrake provided for added safety and operational convenience

Capacity & Dimensions

Swing over Bed	33.86"	(860mm)
Swing over Cross Slide	21.26"	(540mm)
Swing thru Gap	47.24"	(1200mm)
Width of Gap (measured from spindle nose)	9.44"	(240mm)
Bed Width	20.07"	(510mm)

Spindle

Spindle Motor Horsepower 4" Bore (20HP 6" Bore)	15 HP	11.5 KW	HIGH	370	730	1300	145	285	510
Spindle Speeds - 12 speeds 23 - 1300rpm (high to low)			LOW	60	115	210	23	45	82
Spindle Bore	4 1/8"	(105mm)							
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 Max Weight Capacity (Chuck Only)	1100 lbs	(500 kgs)							
Spindle Max Weight Capacity (Chuck and Tailstock)	2200 lbs	(1000 kgs)							
Spindle Max Weight Capacity (Chuck, Steady Rest & Tailstock)	4400 lbs	(2000 kgs)							

Carriage

Cross Slide Travel	20.08"	(510mm)
Carriage Width	26.00"	(660mm)

Compound

Compound Rest Travel	14.56"	(370mm)
Cutting Tool Height Maximum	1.26"	(32mm)

Tailstock (2 speed quill advance)

Quill Diameter	4.92"	(125mm)
Quill Stroke	11.81"	(300mm)
Quill Taper	MT-6	Morse Taper #6
Quill Tange Drive and drift-slot for tailstock	included	included
Tailstock Body set-over adjustment	±1/2"	(±13mm)

Thread Cutting

Lead screw diameter & pitch	1.77" x 12mm.
Thread Cutting Range - 36" pitches	2 - 28 TPI
Thread Cutting Range - 65 metric pitches	0.8 - 14mm
Thread Cutting Range - 36 diametral pitches	4 - 56 D.P.
Thread Cutting Range - 22 module pitches	0.5 - 7 M.P.

Feeds

Feeds - Longitudinal	0.0019" - 0.027"/ rev. 0.05 - .7 mm/rev
Feeds - Cross	0.00098" - 0.0137"/rev. 0.025 - 0.35 mm/rev.
Feed shaft stop control	4 adjustable automatic feed stops to disengage the longitudinal feed
Feed Rod Diameter	1.26" (32mm)

Electrical Requirements

Connected Load - 12kw	10kva / 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 gal. (40 liters)