



GTD-30

30" Heavy Duty Engine Lathe

- + Rapid Feeds for longitudinal and & cross motion
- + 15-HP Spindle motor
- + 12-Spindle Speed Gear-Ranges for High-Torque
- + Spindle Speeds from 23 – 1,300 RPM
- + A2 - 11 Spindle with 4-1/8" spindle bore
- + Swings 40.5" Through the Gap Bed
- + Tailstock features 2-Speed quill advance
- + 4-Adjustable longitudinal feed stops

Capacity & Dimensions

Swing over Bed	29.92"	(760 mm)
Swing over Cross Slide	19.69"	(500 mm)
Swing thru Gap	40.55"	(1,030 mm)
Width of Gap (measured from spindle nose)	12"	(305 mm)
Bed Width	16.54"	(420 mm)

Spindle

Spindle Motor Horsepower	15 HP	11.5 kw	HIGH	370	730	1,300	145	285	510
Spindle Speeds - 12 speeds 15 - 1,200 RPM (high to low)			LOW	60	115	210	23	45	82
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 Max Weight Capacity (Chuck Only)	1,100 lbs	(500 kgs)							
Spindle Max Weight Capacity (Chuck and Tailstock)	2,200 lbs	(1,000 kg)							
Spindle Max Weight Capacity (Chuck, Steady Rest & Tailstock)	4,400 lbs	(2,000 kg)							

Carriage

Cross Slide Travel	15.75"	(400 mm)
Carriage Width	26.38"	(670 mm)

Compound

Compound Rest Travel	9.45"	(240 mm)
Cutting Tool Height Maximum	1.0"	(25 mm)

Tailstock (2 speed quill advance)

Quill Diameter	3.15"	(80 mm)
Quill Stroke	7.87"	(200 mm)
Quill Taper	MT - 5	Morse Taper #5
Quill Tange 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 2 T.P.I
Thread Cutting Range - 36" pitches	2 - 28 TPI
Thread Cutting Range - 65 metric pitches	0.8 - 14 mm
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" (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-gal (40 liters)