



16" x 40" / 60" Heavy Duty Engine Lathe

- + Hardened and ground Turcite® coated bed ways
- + Hardened and ground gears
- + 12-speed geared head spindle
- + Safety foot brake
- + Safety chuck guard
- + Coolant pump included
- + Chucks, steady rest and follow rest included

Capacity & Dimensions

| | | |
|--|--------------------|----------------------------|
| Swing over Bed | 16" | (410 mm) |
| Center Height | 8-1/6" | (205 mm) |
| Swing over Cross Slide | 9-7/16" | (240 mm) |
| Swing thru Gap | 23-7/16" | (595 mm) |
| Length of Gap in front of face plate (D1 - 6 / A1 - 6) | 6-1/8" / 6-7/8" | (155 mm / 175 mm optional) |
| Bed casting width / bed casting height | 11-13/16" / 12.20" | (300 mm / 310 mm) |

Spindle

| | | | | | | | | |
|---|----------------|---|-----|-------|-----|-------|-----|-----------------|
| Spindle Motor Horsepower | 7.5 HP | + | 540 | 1,600 | 325 | 1,000 | 700 | 2,000 |
| Spindle Speeds - 12 speeds 30 - 2,000 RPM | 30 - 2,000 RPM | - | 55 | 160 | 30 | 95 | 70 | 200 |
| Spindle Bore | 2 1/16" | | | | | | | (52 mm) |
| Spindle Nose | D1 - 6 | | | | | | | A1 - 6 Optional |
| Spindle taper in Spindle Nose | MT - 6 | | | | | | | Morse Taper #6 |

Carriage

| | | |
|--|----------------|----------------------|
| Cross Slide Travel / Cross Slide Width | 9" / 7-3/32" | (230 mm / 180 mm) |
| Cross Slide Lead Screw Pitch | 4 TPI | |
| Cross Slide Resolution per division | 0.50" / rev | (on diameters) |
| Carriage Lead Screw Diameter / Pitch | 1-1/4" / 4 TPI | (32 mm / 6 mm pitch) |
| Feed Rod Dimension | 7/8" hexagon | 23 mm hexagon |

Compound

| | | |
|---|-------------------|-------------------|
| Compound Top Slide Trave / Compound Width | 4-3/4" / 4-11/32" | (120 mm / 110 mm) |
| Cutting Tool Height Maximum | 1.0" x 1.0" | 25 mm x 25 mm |

Tailstock

| | | |
|---|----------|----------------|
| Quill Diameter | 2-1/8" | (54 mm) |
| Quill Stroke | 4-3/4" | (120 mm) |
| Quill Taper | MT - 4 | Morse Taper #4 |
| Quill Tang Drive and Drift-Slot for Tailstock | included | |
| Tailstock Body set-over adjustment | ±0.04" | ±1 mm |

Thread Cutting

| | | |
|---|--------------|------------|
| Thread Cutting Range - 40" pitches | 2 - 56 TPI | |
| Thread Cutting Range - 53 metric pitches | 0.4 - 14 mm | |
| Thread Cutting Range - 32 diametral pitches | 4 - 32 D.P. | (optional) |
| Thread Cutting Range - 44 module pitches | 0.4 - 7 M.P. | (optional) |

Feeds

| | | |
|---------------------------------|--|-----------------------------|
| Feeds - Longitudinal - 40 Feeds | 0.0012" - 0.0252" / rev | (0.032 mm - 0.898 mm / rev) |
| Feeds - Cross - 40 Feeds | 0.0006" - 0.0126" / rev | (0.016 mm - 0.449 mm / rev) |
| Feed stop control shaft | 4 adjustable automatic feed stops to disengage the longitudinal feed | |

Power

| | |
|--------------------|--------------------------------------|
| Coolant Pump motor | 220 vac / 1/8 HP / 3 Phase |
| Power Requirements | 220 vac / 7.5 HP / 3 Phase @ 20 amps |