



# MACHINE DATA SHEET

Customer Service #: (570) 546-9663 · To Order Call: (800) 523-4777 · Fax #: (800) 438-5901

## MODEL G4002 12" X 24" GEAR-HEAD, CAM LOCK SPINDLE, LATHE

### Product Dimensions:

Weight..... 913 lbs.  
Width (side-to-side) x Depth (front-to-back) x Height..... 53 x 26 x 23 in.  
Footprint (Length x Width)..... 53 x 23 in.

### Shipping Dimensions:

Type..... Wood Crate  
Content..... Machine  
Weight..... 1004 lbs.  
Length x Width x Height..... 59 x 30 x 28 in.  
Must Ship Upright..... Yes

### Electrical:

Power Requirement..... 220V, Single-Phase, 60 Hz  
Prewired Voltage..... 220V  
Full-Load Current Rating..... 8.5A  
Minimum Circuit Size..... 15A  
Connection Type..... Cord & Plug  
Power Cord Included..... No  
Recommended Power Cord..... "S"-Type, 3-Wire, 14 AWG, 300 VAC  
Plug Included..... No  
Recommended Plug Type..... 6-15  
Switch Type..... Control Panel w/Magnetic Switch Protection

### Motors:

#### Main

Horsepower..... 2 HP  
Phase..... Single-Phase  
Amps..... 8.5A  
Speed..... 1725 RPM  
Type..... TEFC Capacitor-Start Induction  
Power Transfer ..... Belt Drive  
Bearings..... Shielded & Permanently Lubricated  
Centrifugal Switch/Contacts Type..... Internal

### Main Specifications:

#### Operation Info

Swing Over Bed..... 12 in.  
Distance Between Centers..... 24 in.  
Swing Over Cross Slide..... 7 in.  
Swing Over Saddle..... 7 in.  
Maximum Tool Bit Size..... 5/8 in.  
Compound Travel..... 3-1/4 in.  
Carriage Travel..... 18-1/2 in.  
Cross Slide Travel..... 6-1/4 in.

**Headstock Info**

Spindle Bore..... 1.417 in.  
Spindle Taper..... MT#5  
Number of Spindle Speeds..... 9  
Spindle Speeds..... 70 – 1400 RPM  
Spindle Type..... D1-4 Camlock  
Spindle Bearings..... Tapered Roller  
Spindle Length..... 16 in.  
Spindle Length with 3-Jaw Chuck..... 20-3/4 in.  
Spindle Length with 4-Jaw Chuck..... 20-3/8 in.

**Tailstock Info**

Tailstock Quill Travel..... 4 in.  
Tailstock Taper..... MT#3  
Tailstock Barrel Diameter..... 1.563 in.

**Threading Info**

Number of Longitudinal Feeds..... 40  
Range of Longitudinal Feeds..... 0.0011 – 0.0310 in./rev.  
Number of Cross Feeds..... 40  
Range of Cross Feeds..... 0.0004 – 0.0105 in./rev  
Number of Inch Threads..... 40  
Range of Inch Threads..... 4 – 112 TPI  
Number of Metric Threads..... 29  
Range of Metric Threads..... 0.2 – 4.5 mm

**Dimensions**

Bed Width..... 7-1/4 in.  
Carriage Leadscrew Diameter..... 0.870 in.  
Leadscrew TPI..... 8 TPI  
Carriage Leadscrew Length..... 36 in.  
Steady Rest Capacity..... 2 in.  
Follow Rest Capacity..... 1 in.  
Faceplate Size..... 10 in.  
Feed Rod Diameter..... 3/4 in.

**Other**

Optional Stand..... G4004

**Construction**

Base..... Cast Iron  
Headstock..... Cast Iron  
End Gears..... Flame Hardened Steel  
Bed..... Induction-Hardened, Precision-Ground Cast Iron  
Body..... Cast Iron  
Paint Type/Finish..... Epoxy

**Fluid Capacities**

Headstock Capacity..... 3.5 qt.  
Headstock Fluid Type..... ISO 32 (eg. Grizzly T23963, Mobil DTE Light)  
Gearbox Capacity..... 1 – 2 Pumps  
Gearbox Fluid Type..... ISO 68 (SB1365, Grizzly T23962, Mobil Vactra 2)  
Apron Capacity..... 0.5 qt.  
Apron Fluid Type..... ISO 68 (eg. Grizzly T23962, Mobil Vactra 2)

**Other Specifications:**

Country of Origin ..... China  
 Warranty ..... 1 Year  
 Approximate Assembly & Setup Time ..... 1 Hour  
 Serial Number Location ..... ID Label on Middle of Headstock  
 ISO 9001 Factory ..... No  
 Certified by a Nationally Recognized Testing Laboratory (NRTL) ..... No

**Features:**

Carriage-Mounted On/Off Control Lever  
 Easy To Use Lever Controls  
 Full Length Splash Guard  
 Hardened and Ground Cast-Iron Bed  
 Threading Dial

**Accessories Included:**

6" 3-Jaw Chuck w/2 Sets of Jaws  
 8" 4-Jaw Chuck w/Reversible Jaws  
 10" Faceplate  
 Steady Rest  
 Follow Rest  
 Quick-Change Tool Post w/Holder  
 4-Piece Insert Tool Holder Set  
 Set of Seven Change Gears  
 Dead Center MT#3 HSS Tip  
 Dead Center MT#3 Carbide Tip  
 Live Center MT#3  
 1/2" Drill Chuck w/MT#3 Arbor  
 Spindle Sleeve MT#5/MT#3  
 Oil Can  
 Toolbox