



# MACHINE DATA SHEET

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

## MODEL G4016 13-1/2" X 40" GEAR HEAD LATHE W/ STAND

### Product Dimensions:

Weight..... 1261 lbs.  
Width (side-to-side) x Depth (front-to-back) x Height..... 71-1/2 x 26 x 52-1/2 in.  
Footprint (Length x Width)..... 71 x 22 in.

### Shipping Dimensions:

#### Carton #1

Type..... Wood Crate  
Content..... Machine  
Weight..... 1242 lbs.  
Length x Width x Height..... 76 x 30 x 29 in.  
Must Ship Upright..... Yes

#### Carton #2

Type..... Cardboard Box  
Content..... Left Stand  
Weight..... 74 lbs.  
Length x Width x Height..... 28 x 19 x 18 in.  
Must Ship Upright..... No

#### Carton #3

Type..... Cardboard Box  
Content..... Right Stand  
Weight..... 58 lbs.  
Length x Width x Height..... 28 x 17 x 14 in.  
Must Ship Upright..... No

### Electrical:

Power Requirement..... 220V, Single-Phase, 60 Hz  
Prewired Voltage..... 220V  
Full-Load Current Rating..... 11.9A  
Minimum Circuit Size..... 15A  
Plug Included..... No  
Switch Type..... Magnetic Switch w/Thermal Overload Protection

### Motors:

#### Main

Horsepower..... 2 HP  
Phase..... Single-Phase  
Amps..... 11.9A  
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.....	13.5 in.
Distance Between Centers.....	40 in.
Swing Over Cross Slide.....	8 in.
Swing Over Saddle.....	8 in.
Swing Over Gap.....	19 in.
Maximum Tool Bit Size.....	5/8 in.
Compound Travel.....	2-7/8 in.
Carriage Travel.....	35 in.
Cross Slide Travel.....	6-1/4 in.

**Headstock Info**

Spindle Bore.....	1.57 in.
Spindle Taper.....	MT#5
Number of Spindle Speeds.....	8
Spindle Speeds.....	78 – 2100 RPM
Spindle Type.....	D1-4 Camlock
Spindle Bearings.....	Tapered Roller
Spindle Length.....	16 in.
Spindle Length with 3-Jaw Chuck.....	20 in.
Spindle Length with 4-Jaw Chuck.....	20-3/8 in.

**Tailstock Info**

Tailstock Quill Travel.....	3-1/2 in.
Tailstock Taper.....	MT#3
Tailstock Barrel Diameter.....	1.25 in.

**Threading Info**

Number of Longitudinal Feeds.....	40
Range of Longitudinal Feeds.....	0.0036 – 0.1005 in./rev.
Number of Cross Feeds.....	40
Range of Cross Feeds.....	0.0012 – 0.0345 in./rev
Number of Inch Threads.....	40
Range of Inch Threads.....	4 – 112 TPI
Number of Metric Threads.....	27
Range of Metric Threads.....	0.2 – 6.0 mm

**Dimensions**

Bed Width.....	7-3/8 in.
Carriage Leadscrew Diameter.....	7/8 in.
Leadscrew TPI.....	8 TPI
Carriage Leadscrew Length.....	51 in.
Steady Rest Capacity.....	2-3/4 in.
Follow Rest Capacity.....	2 in.
Faceplate Size.....	12 in.
Feed Rod Diameter.....	3/4 in.
Floor to Center Height.....	45-1/2 in.

**Construction**

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

**Other Specifications:**

Country of Origin ..... China  
Warranty ..... 1 Year  
Serial Number Location ..... Tailstock End Between Bed Ways  
ISO 9001 Factory ..... No  
Certified by a Nationally Recognized Testing Laboratory (NRTL) ..... No

**Features:**

Cast-Iron Construction Throughout  
Chip Pan  
Flame Hardened Headstock Gears  
Full Length Splash Guard  
Heavy-Duty Stand  
Induction-Hardened Bedways  
Jog Button and Emergency Stop  
Tapered Roller and Ball Bearings  
Threading Dial

**Accessories Included:**

12" Face Plate  
2 MT#3 Dead Centers  
4 Way Turret Tool Post  
6" 3-Jaw Chuck with 2 Piece Jaws  
8" 4-Jaw Chuck  
Center Sleeve  
Drill Chuck with Arbor  
Follow Rest  
Live Center  
Oil Can  
Set Up Tools  
Steady Rest  
Tool Box