



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