



MACHINE DATA SHEET

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

MODEL G4003 12" X 36" GEARHEAD METAL LATHE

Product Dimensions:

Weight..... 917 lbs.
Width (side-to-side) x Depth (front-to-back) x Height..... 61 x 23 x 23 in.
Footprint (Length x Width)..... 61 x 23 in.

Shipping Dimensions:

Type..... Wood Crate
Content..... Machine
Weight..... 1020 lbs.
Length x Width x Height..... 29 x 66 x 29 in.
Must Ship Upright..... Yes

Electrical:

Power Requirement..... 220V, Single-Phase, 60 Hz
Prewired Voltage..... 220V
Full-Load Current Rating..... 12A
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..... 36 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..... 30-1/2 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.....	1.570 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.....	44 in.
Steady Rest Capacity.....	2 in.
Follow Rest Capacity.....	1 in.
Faceplate Size.....	10 in.
Feed Rod Diameter.....	3/4 in.

Other

Optional Stand.....	G4005
---------------------	-------

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

Features:

- Carriage-Mounted On/Off Control Lever
- Easy To Use Lever Controls
- Full Length Splash Guard
- Hardened and Ground Cast-Iron Bed
- Threading Dial
- Compatible with G7028, G7029, G7030, & G7031, tool holders

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

Accessories Recommended:

- G4005 Lathe Stand for G4003
- T10556 Taper Attachment Kit for G4002/G4003/G4003G