



# MACHINE DATA SHEET

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

## MODEL G0824 14" X 40" GUNSMITH LATHE WITH 2" SPINDLE BORE

### Product Dimensions:

Weight..... 1300 lbs.  
Width (side-to-side) x Depth (front-to-back) x Height..... 78 x 31 x 61-1/2 in.  
Footprint (Length x Width)..... 71 x 16 in.

### Shipping Dimensions:

Type..... Wood Crate  
Content..... Machine  
Weight..... 1550 lbs.  
Length x Width x Height..... 76 x 33 x 61 in.  
Must Ship Upright..... Yes

### Electrical:

Power Requirement..... 220V, Single-Phase, 60 Hz  
Full-Load Current Rating..... 10.45A  
Minimum Circuit Size..... 15A  
Connection Type..... Cord & Plug  
Power Cord Included..... Yes  
Power Cord Length..... 6 ft.  
Power Cord Gauge..... 14 AWG  
Plug Included..... Yes  
Included Plug Type..... 6-15  
Switch Type..... Control Panel w/Magnetic Switch Protection

### Motors:

#### Coolant Pump

Horsepower..... 40W  
Phase..... Single-Phase  
Amps..... 0.45A  
Type..... TEFC Induction  
Power Transfer ..... Direct Drive  
Bearings..... Shielded & Permanently Lubricated  
Centrifugal Switch/Contacts Type..... N/A

#### Main

Horsepower..... 2.5 HP  
Phase..... Single-Phase  
Amps..... 10A  
Speed..... 1720 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.....	14 in.
Distance Between Centers.....	40 in.
Swing Over Cross Slide.....	8-13/16 in.
Swing Over Saddle.....	13-13/16 in.
Swing Over Gap.....	19-3/4 in.
Maximum Tool Bit Size.....	5/8 in.
Compound Travel.....	3-7/8 in.
Carriage Travel.....	36 in.
Cross Slide Travel.....	6-11/16 in.

### Headstock Info

Spindle Bore.....	2.01 in. (51mm)
Spindle Taper.....	MT#6
Number of Spindle Speeds.....	8
Spindle Speeds.....	70 – 2000 RPM
Spindle Type.....	D1-5 Camlock
Spindle Bearings.....	High-Precision Tapered Roller
Spindle Length.....	17-1/4 in.
Spindle Length with 3-Jaw Chuck.....	22 in.
Spindle Length with 4-Jaw Chuck.....	21-1/2 in.
Spindle Length with Faceplate.....	20-1/2 in.

### Tailstock Info

Tailstock Quill Travel.....	3-15/16 in.
Tailstock Taper.....	MT#3
Tailstock Barrel Diameter.....	1-21/32 in.

### Threading Info

Number of Longitudinal Feeds.....	32
Range of Longitudinal Feeds.....	0.002 – 0.0548 in./rev.
Number of Cross Feeds.....	32
Range of Cross Feeds.....	0.0007 – 0.0187 in./rev.
Number of Inch Threads.....	34
Range of Inch Threads.....	4 – 56 TPI
Number of Metric Threads.....	26
Range of Metric Threads.....	0.4 – 7 mm

### Dimensions

Bed Width.....	7-3/8 in.
Carriage Leadscrew Diameter.....	7/8 in.
Leadscrew TPI.....	8 TPI
Carriage Leadscrew Length.....	50 in.
Steady Rest Capacity.....	3/8 – 2-3/4 in.
Follow Rest Capacity.....	3/8 – 2-3/8 in.
Faceplate Size.....	11 in.
Feed Rod Diameter.....	3/4 in.
Floor to Center Height.....	45-1/2 in.

### Construction

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

**Fluid Capacities**

Headstock Capacity.....	3.5 qt.
Headstock Fluid Type.....	ISO 32 (e.g. Grizzly T23963, Mobile DTE Light)
Gearbox Capacity.....	24 oz.
Gearbox Fluid Type.....	ISO 68 (e.g. Grizzly T23962, Mobile Vactra 2)
Apron Capacity.....	7 oz.
Apron Fluid Type.....	ISO 68 (e.g. Grizzly T23962, Mobile Vactra 2)
Coolant Capacity.....	10 qt.

**Other Specifications:**

Country of Origin .....	China
Warranty .....	1 Year
Approximate Assembly & Setup Time .....	2 Hours
Serial Number Location .....	ID Label
Sound Rating .....	82 dB
ISO 9001 Factory .....	Yes
Certified by a Nationally Recognized Testing Laboratory (NRTL) .....	No

**Features:**

- X- & Z-Axis DRO
- Removable Bed Gap
- Quick-Change Spindle Speed and Gearbox Controls
- On/Off Reverse Spindle Switch on Carriage
- Adjustable Halogen Work Light
- Steady and Follow Rests with Roller Bearing Supports
- Outboard Spindle Support Spider with 4 Brass-Tipped Bolts
- Foot Brake with Motor Shut-Off Switch
- Built-In Coolant System
- D1-5 Camlock Spindle Nose
- 7 in. 3-Jaw Chuck and 8 in. 4-Jaw Chuck
- Pull-Out Chip Tray
- Full-Length Splash Guard
- 200-Series Quick-Change Tool Post

**Accessories Included:**

- 7 in. 3-Jaw Universal Chuck with 2 Sets of Jaws
- 8 in. 4-Jaw Independent Chuck with Reversible Jaws
- Steady and Follow Rests with Roller Bearing Supports
- 11 in. Faceplate
- Carbide-Tipped MT#3 Dead Center
- Standard MT#3 Dead Center
- Set of 8 Change Gears
- 1/2" Drill Chuck w/MT#3 Arbor
- MT#6-MT#3 Adapter Sleeve
- Toolbox with Service Tools