



# MACHINE DATA SHEET

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

## MODEL G0509G 16" X 40" 3-PHASE GUNSMITH METAL LATHE

### Product Dimensions:

Weight..... 2976 lbs.  
Length/Width/Height..... 76-3/8 x 33-7/16 x 51-3/16 in.  
Foot Print (Length/Width)..... 76 x 21-1/2 in.

### Shipping Dimensions:

Type..... Wood Crate  
Content..... Machine  
Weight..... 3248 lbs.  
Length/Width/Height..... 82 x 33 x 65 in.

### Electrical:

Switch..... Jog Button and Emergency Stop  
Switch Voltage..... 220V  
Cord Length..... 6 ft.  
Cord Gauge..... 12 gauge  
Minimum Circuit Size..... 20 amp  
Plug Included..... No  
Phase Converter..... G7978

### Motors:

#### Spindle

Type..... 2-Speed Induction  
Horsepower..... 3 - 4 HP  
Voltage..... 220V  
Prewired..... 220V  
Phase..... Three  
Amps..... 17/8.5A  
Speed..... 1750/875 RPM  
Cycle..... 60 Hz  
Number Of Speeds..... 2  
Power Transfer ..... Belt Drive to Gear  
Bearings..... Shielded and Lubricated for Life

#### Coolant

Type..... Induction  
Horsepower..... 1/8 HP  
Voltage..... 220V  
Prewired..... 220V  
Phase..... Three  
Amps..... 0.45A  
Speed..... 3450 RPM  
Cycle..... 60 Hz  
Number Of Speeds..... 1  
Power Transfer ..... Direct Drive  
Bearings..... Shielded and Permanently Lubricated

**Main Specifications:**

**Operation Info**

Swing Over Bed.....	16 in.
Dist Between Centers.....	40 in.
Swing Over Cross Slide.....	10 in.
Swing Over Saddle.....	9-7/8 in.
Swing Over Gap.....	22 in.
Max Tool Bit Size.....	3/4 in.
Compound Travel.....	5-1/2 in.
Carriage Travel.....	33 in.
Cross Slide Travel.....	8-1/2 in.

**Headstock Info**

Spindle Bore.....	2 in.
Spindle Size.....	3-9/64 in.
Spindle Taper.....	MT#6
No Of Spindle Speeds.....	16
Spindle Speeds.....	45 - 1800 RPM
Spindle Type.....	D1-6 Camlock
Spindle Bearings.....	Super High Precision
Spindle Length.....	19-1/2 in.
Spindle Length with 3-Jaw Chuck.....	25-5/8 in.
Spindle Length with 4-Jaw Chuck.....	23-3/4 in.

**Tailstock Info**

Tailstock Travel.....	4-3/4 in.
Tailstock Taper.....	MT#4
Tailstock Barrel Diameter.....	2 in.

**Threading Info**

No Of Inch Threads.....	45
Range Of Inch Threads.....	2 - 72 TPI
Range Of Longitudinal Feeds.....	0.002 - 0.067 in.
No Of Longitudinal Feeds.....	17
No Of Cross Feeds.....	17
Range Of Cross Feeds.....	0.0011 - 0.038 in./rev.
No Of Metric Threads.....	39
Range Of Metric Threads.....	0.2 - 14 mm
No Of Modular Threads.....	18
Range Of Modular Threads.....	0.3 - 3.5 MP
No Of Diametrical Threads.....	21
Range Of Diametrical Threads.....	8 - 44 DP

**Dimensions**

Bed Width.....	10 in.
Leadscrew TPI.....	4
Leadscrew Length.....	54 in.
Steady Rest Capacity.....	1/2 - 4-1/2 in.
Follow Rest Capacity.....	1/2 - 2-1/2 in.
Faceplate Size.....	14 in.
Leadscrew Diameter.....	1.120 in.
Feed Rod Diameter.....	0.745 in.
Floor To Center Height.....	47 in.
Height With Leveling Jacks.....	53-1/2 in.

**Construction**

Base Construction.....	Cast Iron
Headstock Construction.....	Cast Iron
Headstock Gears Construction.....	Flame Hardened Steel
Bed Construction.....	Induction Hardened Cast Iron
Body Construction.....	Cast Iron
Stand Construction.....	Cast Iron
Paint.....	Epoxy

**Other**

Kilowatt Output.....	3.077
----------------------	-------

**Other Specifications:**

Country Of Origin .....	China
Warranty .....	1 Year
Serial Number Location .....	Front of Headstock
Assembly Time .....	2 hours

**Features:**

- Precision Gound and Hardened V-bed is Made of Meehanite Casting
- Totally Enclosed Universal Gearbox Allows Cutting of Inch, Metric, Whitworth, Modular and Diametral Threads
- Headstock Gears Runs in an Oil Bath and are Hardened and Precision Ground for Smooth, Quiet and Vibration
- Dual Inch/Metric Dials
- Halogen Light
- Coolant System
- Full Length Splash Guard
- Steady Rest and Follow Rest have Roller Tips
- Dual Coolant Nozzles for Chambering Barrels
- Extra Long Tailstock for Support
- Tailstock can be Tightened with a Torque Wrench for Precise Alignment of Centers (1/2" SQ Drive)
- Four Brass Tipper Bolts for Supporting Gun Barrels
- Length Through Spindle with Face Plate Mounted - 21-3/4"
- Length Through Spindle with 4 Jaw Chuck Mounted - 24-7/16"
- Spindle Length - 20-1/2"
- Minimum Gun Barrel Length Through Spindle Using 4 Jaw Chuck 26"

**Accessories Included:**

- #4 to 6 Morse Taper Spindle Nose Sleeve
- 12" 4-Jaw Chuck
- 14" Face Plate
- 8" 3-Jaw Chuck
- Center Sleeve
- Centers
- Follow Rest with Roller Tips
- MT#4 Dead Center
- Quick Change Tool Post
- Service Tools
- Steady Rest with Roller Tips
- Toolbox