



# 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  
Precision Ground and Hardened V-Bed is Made of Meehanite Casting  
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Dual Coolant Nozzles for Chambering Barrels  
Extra Long Tailstock for Support  
Tailstock can be Tightenedwith a Torque Wrench for Precise Alignment of Centers  
Four Brass Tipper Bolts for Supporting Gun Barrels  
Spindle Length - 20-1/2"  
Length Through Spindle with Face Plate Mounted - 21-3/4"  
Length Through Spindle with 4 Jaw Chuck Mounted - 24-7/16"  
Minimum Gun Barrel Length Through Spindle Using 4 Jaw Chuck 26" (Allowing for Barrel Sticking Out for

**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