



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'S METAL LATHE

Product Dimensions:

Weight..... 2976 lbs.
Width (side-to-side) x Depth (front-to-back) x Height..... 76-3/8 x 33-7/16 x 51-3/16 in.
Footprint (Length x Width)..... 76 x 21-1/2 in.

Shipping Dimensions:

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

Electrical:

Minimum Circuit Size..... 20 amp
Switch..... Jog Button and Emergency Stop
Switch Voltage..... 220V
Cord Length..... 6 ft.
Cord Gauge..... 12 gauge
Plug Included..... No
Recommended 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.
Distance Between Centers.....	40 in.
Swing Over Cross Slide.....	10 in.
Swing Over Saddle.....	9-7/8 in.
Swing Over Gap.....	22 in.
Maximum 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
Number 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 Quill Travel.....	4-3/4 in.
Tailstock Taper.....	MT#4
Tailstock Barrel Diameter.....	2 in.

Threading Info

Number of Longitudinal Feeds.....	17
Range of Longitudinal Feeds.....	0.002 - 0.067 in.
Number of Cross Feeds.....	17
Range of Cross Feeds.....	0.0011 - 0.038 in./rev.
Number of Inch Threads.....	45
Range of Inch Threads.....	2 - 72 TPI
Number of Metric Threads.....	39
Range of Metric Threads.....	0.2 - 14 mm
Number of Modular Pitches.....	18
Range of Modular Pitches.....	0.3 - 3.5 MP
Number of Diametral Pitches.....	21
Range of Diametral Pitches.....	8 - 44 DP

Dimensions

Bed Width.....	10 in.
Leadscrew Diameter.....	1.120 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.
Feed Rod Diameter.....	0.745 in.
Floor to Center Height.....	47 in.
Height With Leveling Jacks.....	53-1/2 in.

Construction

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

Other

Kilowatt Output.....	3.077
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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