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 GUNSMITHING 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	3300 lbs.
Length x Width x Height	33 x 81 x 66 in.
Must Ship Upright	Yes

Electrical:

Power Requirement	220V, 3-Phase, 60 Hz
Prewired Voltage	220V
Full-Load Current Rating	17.45A
Minimum Circuit Size	20A
Connection Type	Cord & Plug
Power Cord Included	No
Recommended Power Cord	“S”-Type, 4-Wire, 12 AWG, 300 VAC
Plug Included	No
Recommended Plug Type	L15-30
Switch Type	Control Panel w/Magnetic Switch Protection
Recommended Phase Converter	G7978

Motors:

Main

Horsepower	4 HP / 3 HP
Phase	3-Phase
Amps	17A/8.5A
Speed	1750 / 875 RPM
Type	TEFC Induction
Power Transfer	Belt Drive
Bearings	Shielded & Permanently Lubricated
Centrifugal Switch/Contacts Type	N/A

Coolant Pump

Horsepower	1/8 HP
Phase	3-Phase
Amps	0.45A
Speed	3450 RPM
Type	TEFC Induction
Power Transfer	Direct Drive
Bearings	Shielded & Permanently Lubricated
Centrifugal Switch/Contacts Type	N/A

The information contained herein is deemed accurate as of 6/7/2026 and represents our most recent product specifications. Due to our ongoing improvement efforts, this information may not accurately describe items previously purchased.

Main Specifications:

Operation Info

Swing Over Bed	16 in.
Distance Between Centers	40 in.
Swing Over Cross Slide	10 in.
Swing Over Saddle	14-3/4 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	2.0625 in.
Spindle Taper	MT#6
Number of Spindle Speeds	16
Spindle Speeds	45 – 1800 RPM
Spindle Type	D1-6 Camlock
Spindle Bearings	High-Precision Tapered Roller
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.
Spindle Length with Faceplate	21-3/4 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./rev.
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 – 14.0 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.
Carriage Leadscrew Diameter	1.120 in.
Leadscrew TPI	4 TPI
Carriage 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	3/4 in.
Floor to Center Height	47 in.
Height With Leveling Jacks	53-1/2 in.

Construction

Base	Cast Iron
Headstock	Cast Iron
End Gears	Flame Hardened Steel
Bed	Induction-Hardened, Precision-Ground Cast Iron
Body	Cast Iron
Stand	Cast Iron
Paint Type/Finish	Epoxy

Fluid Capacities

Headstock Capacity	6.5 qt.
Headstock Fluid Type	ISO 32 (eg. Grizzly T23963, Mobil DTE Light)
Gearbox Capacity	1.9 qt.
Gearbox Fluid Type	ISO 68 (eg. Grizzly T23962, Mobil Vactra 2)
Apron Capacity	1.4 qt.
Apron Fluid Type	ISO 68 (eg. Grizzly T23962, Mobil Vactra 2)
Coolant Capacity	15.85 qt.

Other Specifications:

Country of Origin	China
Warranty	1 Year
Approximate Assembly & Setup Time	2 Hours
Serial Number Location	ID Label on Front of Headstock
ISO 9001 Factory	No
Certified by a Nationally Recognized Testing Laboratory (NRTL)	No

Features:

Totally Enclosed Universal Gearbox Allows Cutting of Inch, Metric, Whitworth, Modular and Diametral Threads
Headstock Gears Run in an Oil Bath and are Hardened and Precision-Ground for Smooth, Quiet and Vibration-
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"
Precision-Ground and Hardened V-bed

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