



MACHINE DATA SHEET

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

MODEL G1005Z MILL/DRILL MILLING MACHINE #25

Product Dimensions:

Weight..... 374 lbs.
Width (side-to-side) x Depth (front-to-back) x Height..... 36-1/2 x 34-1/2 x 40 in.
Footprint (Length x Width)..... 20-1/2 x 13 in.

Shipping Dimensions:

Type..... Wood Crate
Content..... Machine
Weight..... 435 lbs.
Length x Width x Height..... 28 x 29 x 41 in.

Electrical:

Minimum Circuit Size..... 20 amp
Switch..... Push Button
Switch Voltage..... 110V
Cord Length..... 6 ft.
Cord Gauge..... 14 gauge
Plug Included..... Yes

Motors:

Main

Type..... TEFC Capacitor Start Induction
Horsepower..... 1 HP
Voltage..... 110/220V
Prewired..... 110V
Phase..... Single
Amps..... 12/6A
Speed..... 1725 RPM
Cycle..... 60 Hz
Number of Speeds..... 1
Power Transfer Belt Drive
Bearings..... Shielded, Permanently Lubricated

Main Specifications:

Operation Info

Spindle Travel..... 3-5/8 in.
Swing..... 16 in.
Longitudinal Table Travel..... 15 in.
Cross Table Travel..... 5-1/2 in.
Head Tilt (Left-to-Right)..... 360 deg.
Maximum Distance Spindle to Column..... 8 in.
Maximum Distance Spindle to Table..... 14-3/8 in.
Drilling Capacity for Cast Iron..... 1 in.
Drilling Capacity for Steel..... 1 in.
Number of Vertical Spindle Speeds..... 12
Range of Vertical Spindle Speeds..... 110 - 2580 RPM
Quill Diameter..... 2.440 in.

Table Info

Table Length.....	23 in.
Table Width.....	7-1/2 in.
Table Thickness.....	1-3/4 in.
Number of T-Slots.....	4
T-Slots Width.....	1/2 in.
T-Slots Height.....	7/8 in.
T-Slots Centers.....	1-1/2 in.
Stud Size.....	3/8 in.

Spindle Info

Spindle Taper.....	R-8
Spindle Sleeve Diameter.....	2.44 in.
End Milling Capacity.....	1/2 in.
Face Milling Capacity.....	3 in.
Drawbar Diameter.....	7/16 in.
Drawbar TPI.....	7/16 - 20
Drawbar Length.....	13-1/2 in.
Spindle Bearings.....	Tapered Roller

Lead Screw Info

Leadscrew Diameter.....	0.935 in.
Leadscrew TPI.....	10
Leadscrew Length.....	X-30, Y-15-3/4 in.

Construction

Spindle Housing/Quill.....	Cast Iron
Table.....	Ground Cast Iron
Head.....	Cast Iron
Column.....	Ground Cast Iron
Base.....	Cast Iron
Paint.....	Enamel

Other

Collar Graduations.....	0.001 in.
Column Diameter.....	3-5/8 in.
Optional Stand.....	G5943
Recommended Mobile Base.....	G7314Z

Other Specifications:

ISO Factory	ISO 9001
Country Of Origin	China
Warranty	1 Year
Serial Number Location	Machine Label on Head Casting
Assembly Time	30 minutes
Sound Rating	80 dB

Features:

- Head Swivels 360 deg.
- Front Mounted On/Off Switch with Thermal Overload Protection
- Excellent Speed Range
- Extremely Quiet Machine
- Easy Clutch-Type Mechanism for Engaging Fine Down-Feed
- Positive Quill Lock
- Adjustable Gibs on Table and Saddle
- Adjustable Stops on Table
- Spindle Supported by Heavy Duty, Tapered Roller Bearings
- Graduations in Inches

Accessories Included:

- 1/2" Drill Chuck and key
- 2-1/2" Carbide-Tipped Face Mill and R-8 Arbor
- 3-1/2" Angle Drill Vise