

MACHINE SPECIFICATIONS



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MODEL M1018 SMALL COMBO LATHE / MILL

Product Dimensions

Weight..... 440 lbs.
Width (side-to-side) x Depth (front-to-back) x Height..... 42 x 23 x 35 in.
Footprint (Length x Width)..... 42 x 23 in.

Shipping Dimensions

Type..... Wood Crate
Content..... Machine
Weight..... 478 lbs.
Length x Width x Height..... 41 x 23 x 39 in.

Electrical

Power Requirement..... 110V, Single-Phase, 60 Hz
Prewired Voltage..... 110V
Full-Load Current Rating..... 9A
Minimum Circuit Size..... 15A
Connection Type..... Cord & Plug
Power Cord Included..... Yes
Power Cord Length..... 6 ft.
Power Cord Gauge..... 16 AWG
Plug Included..... Yes
Included Plug Type..... 5-15
Switch Type..... Push Button, Reversing

Motors

Main

Horsepower..... 3/4 HP
Phase..... Single-Phase
Amps..... 9A
Speed..... 1725 RPM
Type..... TEFC Capacitor-Start Induction
Power Transfer Belt Drive
Bearings..... Shielded & Permanently Lubricated
Centrifugal Switch/Contacts Type..... Internal

Main Specifications

Lathe Info

Swing Over Bed.....	16-1/2 in.
Distance Between Centers.....	19-1/4 in.
Swing Over Saddle.....	11-1/2 in.
Compound Travel.....	3 in.
Carriage Travel.....	14-3/4 in.
Cross Slide Travel.....	4-1/2 in.
Spindle Bore.....	3/4 in.
Spindle Taper.....	MT#3
Number Of Spindle Speeds.....	7
Spindle Speeds.....	160 - 1360 RPM
Tailstock Quill Travel.....	1-1/2 in.
Tailstock Taper.....	MT#3
Tailstock Offset.....	1/2 in.
Number of Longitudinal Feeds.....	8
Range of Longitudinal Feeds.....	0.002 - 0.0069 in./rev.
Number of Inch Threads.....	27
Range of Inch Threads.....	8 - 120 TPI
Number of Metric Threads.....	18
Range of Metric Threads.....	0.2 - 3.0 mm

Mill Info

Mill Taper.....	MT#3
Mill Spindle Travel.....	3-1/2 in.
Mill Swing.....	12 in.
Distance Spindle To Work Table.....	10 in.
Distance Spindle To Bed.....	15-3/4 in.
Distance Spindle To Vise.....	8-1/4 in.
Distance Spindle To Center Line.....	9-3/4 in.
Mill Head Vertical Travel.....	3 in.
Maximum Tool Bit Size.....	1/2 in.
Drilling Capacity For Steel.....	7/8 in.
Drilling Capacity For Cast Iron.....	7/8 in.
Table Size Length.....	7-1/4 in.
Table Size Width.....	6 in.
Table Size Thickness.....	1-1/2 in.
Vise Jaw Opening.....	3-1/8 in.
Drawbar Diameter.....	3/8 in.
Drawbar TPI.....	16
Drawbar Length.....	10-3/4 in.
Number of Mill Drill Speeds.....	14
Mill Speed Range.....	117 - 1300 RPM

Construction

Bed.....	Hardened & Precision-Ground Cast Iron
Headstock.....	Cast Iron
Body.....	Cast Iron
Frame.....	Cast Iron
End Gears.....	Steel
Paint Type/Finish.....	Enamel

Other

Bed Width.....	5-1/2 in.
Floor To Center Height.....	16 in.
Carriage Leadscrew Diameter.....	7/8 in.
Carriage Leadscrew TPI.....	6
Carriage Leadscrew Length.....	24 in.
Cross Slide Leadscrew Diameter.....	1/2 in.
Cross Slide Leadscrew TPI.....	10
Cross Slide Leadscrew Length.....	9 in.
Coolant System.....	No
Optional Stand.....	No

Other

Country of Origin	China
Warranty	2 Years
Approximate Assembly & Setup Time	1 Hour
ISO 9001 Factory	No
Certified by a Nationally Recognized Testing Laboratory (NRTL)	No

Features

- T-Slots in Cross Slide
- Cuts Inch and Metric Threads
- Built-in Vise
- Fine Down-Feed
- Turret Tool Post
- Adjustable Mill/Drill Head

Accessories

- 1/2" Drill Chuck with Arbor
- 2 Dead Centers
- 4" 3-Jaw Chuck
- 4-Way Tool Post
- 5" Back Plate
- 9-1/2" Face Plate
- Change Gears
- MT#3 Chuck Arbor
- Hex and Combo Wrenches