

SPECIFICATIONS **Model 850 Precision Fixture Mill**

Mill Head

Capacity

Collets 1/16" to 9/16" — cutting 3/8" in mild steel.

Quill

Travel is 1 1/2" with locking micrometer depth stop and quill lock. The quill is chrome plated for long life.

Speeds

Five spindle speeds — 380, 700, 1200, 2500 and 5200 rpm. Cam rotation of motor mount permits easy belt changes.

Spindle

The spindle is made of heat treated alloy steel. Critical surfaces and splines are ground to precise tolerances. The lower spindle bearing is preloaded double row ball bearing, prelubricated and sealed. The upper spindle bearing is single row prelubricated, sealed and allowed to float for spindle expansion.

The spindle pulley and spline drive revolve on a separate set of bearings in a bearing housing as a unit thereby eliminating spindle deflection.

Quill Housing

Semi-steel iron — precision bored and honed.

Motor

The standard motor is 1/3 hp; 1725 rpm 110 volt single phase 60 hz. A six foot power cover and on-off-reverse control is provided. Special motors available.

Weight

The milling head, motor and overarm bracket — 57 pounds.

Base

Minimum height base to collet nose with quill enclosed, 6 1/4".

3" Diameter keyed vertical column travel, 5 3/4".

2 1/4" Diameter keyed overarm travel, 6".

Minimum distance spindle to column, 4 1/2".

Base area for slides and fixtures, 10" x 12".

Brackets permit compound angular settings and indicator sweep vertical position.

Weight, base less mill head, 90 pounds.

Cross Slide

Table top 5 1/8" x 13".

Travel 6" x 4 1/2".

T-slot 5/8".

Total height 4 15/16".

Screws 3/4" x 10 acme thread.

Roller Bearings thrust all directions.

Dials graduated 0-100 thousandths travel per revolution.

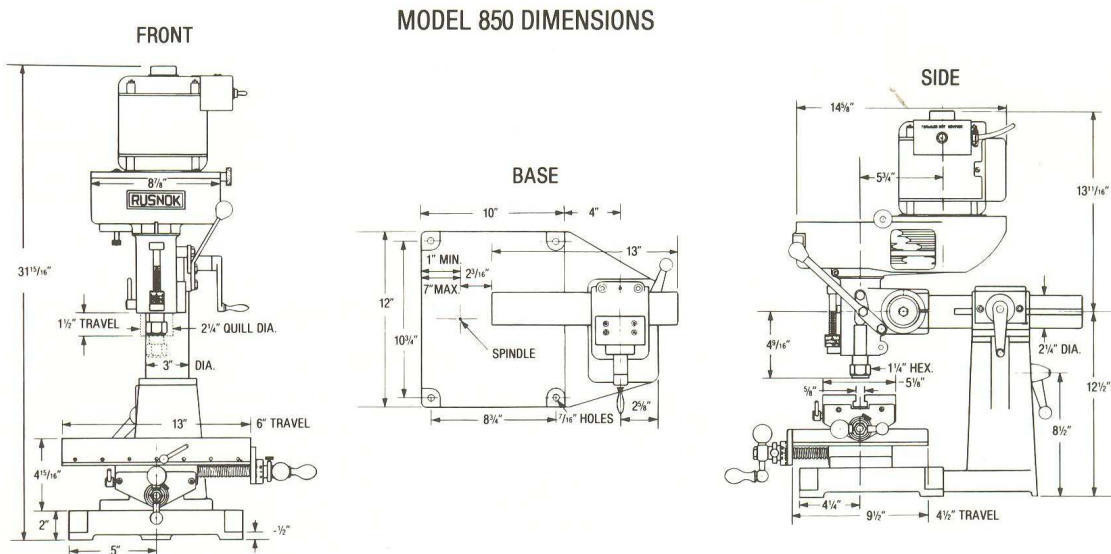
Lever locks for both table and cross slide.

Lubrication thru oil fittings.

Weight 49 pounds.

Metric

The Model 850 Fixture Mill is available with metric graduations as an option.



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