



8" Vertical Machine Slide

P/N 6525 (6526)

Mounting The Vertical Slide

The Sherline 8" vertical slide is mounted by means of two 1/4-20 holes on the bottom of the base. The holes are 2.0" on centers. The base should be mounted so that the table overhangs the edge of the fixture. Travel is approximately 3" (76.2 mm) or more depending on how high your fixture is mounted above a parallel surface.

Backlash Adjustment

Leadscrew backlash can be reduced to a minimum on the Sherline slide by adjustment of the anti-backlash nut. This nut is located on the handwheel end of the base where the leadscrew emerges. The nut is secured by a button head screw that holds a star gear. The star gear interlocks with the teeth on the anti-backlash nut.

To adjust backlash, loosen the button head screw. Rotate the anti-backlash nut clockwise until snug. Retighten the button head screw to lock the star gear and anti-backlash nut. With the anti-backlash nut properly adjusted, the leadscrew should turn smoothly and have no more than the recommended .003" (.08 mm) to .005" (.13 mm) of backlash.

Handwheel Adjustment

Handwheels are secured to the leadscrew shaft with a small set screw on the side of the handwheel base. Check the set screw periodically to make sure it has not been loosened by vibration. If the handwheel is removed, when reinstalling it make sure it is pushed up tightly against the thrust collar before retightening the set screw. Push the table toward the handwheel to remove any excess play before tightening. When retightening the set screw, index the handwheel so the set screw tightens on a different part of the shaft. This will keep it from picking up the previous tightening indentation and returning you to the same spot.

Gib Adjustment

A tapered gib is fitted between the dovetailed surfaces of the table and base. To remove any side-to-side play that

may develop in the table due to wear, release the gib by loosening the set screw that holds the gib lock in place. Use the small hex key provided. With the set screw loosened, push the plastic towards the base until it seats a little deeper, taking up any play. Then retighten the set screw.

Lubrication and Maintenance

The slide surfaces should be kept lubricated with light oil or grease. Place a drop of light machine oil between the handwheel and thrust collar and on the leadscrew threads periodically.

Thank you,
Sherline Products Inc.

Parts List

NO. REQ.	PART NO.	DESCRIPTION
1	44210	Slide Screw (P/N 4422, Metric)
3	40520	10-32 x 3/16" Cone Point Set Screw
1	40820	Gib Lock
1	67036	8" Crossslide Table
1	40890	Slide Screw Insert (P/N 4189, Metric)
1	40980	Crossslide Gib
1	50140	Anti-Backlash Nut (P/N 51140, Metric)
1	50150	Star Gear Lock
1	50211	Button Head Socket Screw
1	65503	Industrial Milling Table Base
1	67018	2" Industrial Handwheel, Inch
1	67019	Industrial Handwheel Collar
1	67106	CNC Preload Nut, RH (67108 Metric)
2	67120	CNC Ball Bearing