

## A2Z CNC Motor Mounts for Sherline

To install A2Z CNC Motor mounts on Sherline lathe or mill:

**NOTE: DO NOT OVER-TIGHTEN WHEN ATTACHING MOTOR MOUNT TO MOTOR!**

Due to the 2 piece design there is a small gap between motor and flange of the motor mount.

Mount body to axis using 2 8-32x3/4" socket head cap screws. Flange should be placed on motor mount body prior to mounting. There are 4 holes in the flange to allow specific orientation. It is recommended that the access slot be oriented away from the direction of accumulating debris.

With motor mount body attached to axis, slide the pre-load spacer sleeve onto the end of the lead screw. Put a tiny single dot of red Loctite on the cone of the lead screw applying the dot with a piece of wire as an applicator. Next, connect the coupler to the lead screw with a 5-40 socket head cap screw. Be sure to NOT get any Loctite on the 5-40 threads of either the lead screw or the socket head cap screw.

Align motor with motor mount. Check to assure the set screw is released enough to allow the motor shaft to be inserted. Note the location of the flats on the motor shaft. Make sure the set screw is aligned with the flat. Tightening the set screw against the round part of the shaft can gall the shaft and make it impossible to remove the coupling later. Insert the motor shaft into the coupling and tighten the set screw against the shaft flat.

Snug the pre-load nut against the pre-load spacer sleeve to eliminate all play in the bearings, without causing excess drag on the bearing. Secure the nut with a single drop of wicking grade Loctite.

Attach motor to motor mount body with (4) 10-32x1/2" socket head cap screws.

**DO NOT OVER-TIGHTEN.** There will be a slight gap between the motor and flange even when

