

# Sherline ER-16 Collet Wrench Set

P/N 3023

## Introduction

Since the 1990's, Sherline has offered an ER-16 collet spindle as an option in both the regular tool line and the industrial tool line ([www.sherlineIPD.com](http://www.sherlineIPD.com)). ER-16 collets fit directly into the spindle nose and are closed by tightening a special nut that pushes the collet into the taper, closing it. To tighten the nut, the spindle must be kept from turning. This wrench set provides tools to both keep the spindle from turning and to tighten or loosen the collet nut. Here are some simple things to keep in mind when using the wrench set.

## Installation, Series 2000 Mills

The spanner wrench for the Sherline ER16 spindle is made specifically for our spindle which is assembled in our headstock. The wrench goes on one way only, and it is used in that relationship to the headstock and spindle to both tighten and loosen the ER 16 nut.

The spanner wrench has one side that is relieved and also has a groove cut in it. This is the side that faces the headstock. The groove is there to align with the button head screw that holds the bearing dust cover in place.

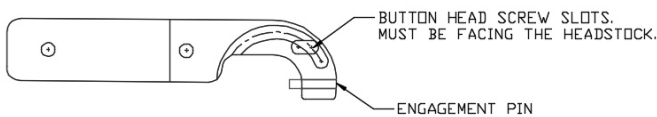


Figure 1—Spanner wrench details

In order to attach the spanner wrench to the spindle, you must turn the spindle so the tommy bar hole is horizontal. Then you place the wrench over the spindle with the slot located over the button head screw head.

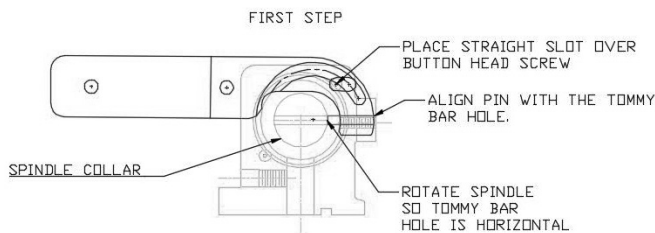


Figure 2—See also Figure 3 for screw slot detail.

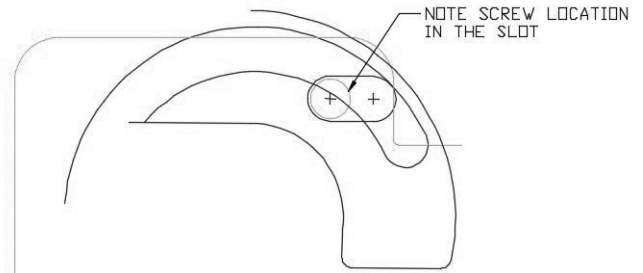


Figure 3—Location of slot in relation to dust cover screw head on spindle.

Once the screw head is located in the slot, fine adjust the spindle so the engagement pin is aligned with the tommy bar hole. Then pull the wrench away from the spindle as shown below to insert the engagement pin and move the screw head into the radial slot.

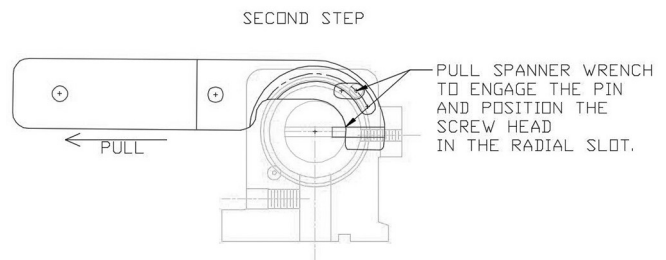


Figure 4—Pull spanner pin into hole in spindle.

Figure 5—Range of adjustment of spanner wrench.

