

meaden

Poly Spring Bar Operations Manual

New Style

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THE MEADEN POLY SPRING BAR

The Meaden Poly Spring Bar is the newest entry into the “Quick Change” clamping systems used in your perf station. When Meaden decided to offer a bar that was to be easily affordable to all of our customers, we were determined to make it a precision, high quality item. The first step in this process was to investigate available manufacturing equipment that could produce this product quickly, accurately and with a minimum of labor. Meaden purchased a computer operated machining center with the specific intention of producing this quick change bar. With this new equipment on our floor, we completed our design and began immediate manufacturing right here in Illinois. Today, this bar can be found in use by satisfied customers world-wide.

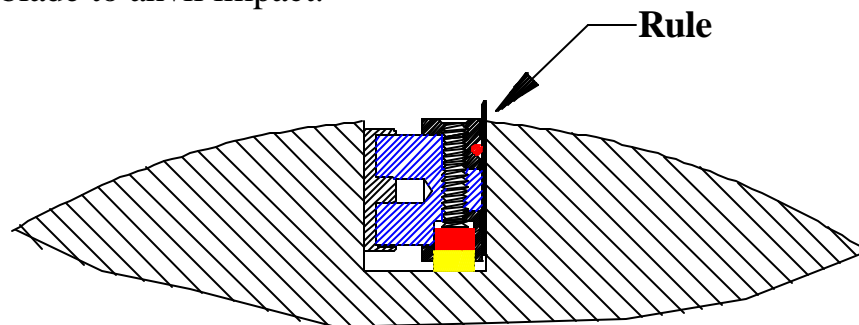
You may be able to find a similar product elsewhere, but you will never find one with the improvements, design changes and quality that you will see in the Meaden Poly Spring Bar.

THE PURPOSE OF THE BAR

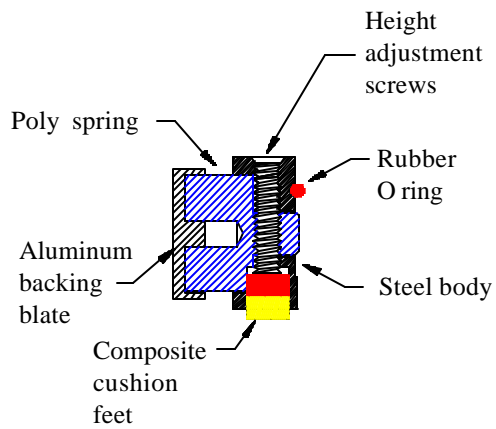
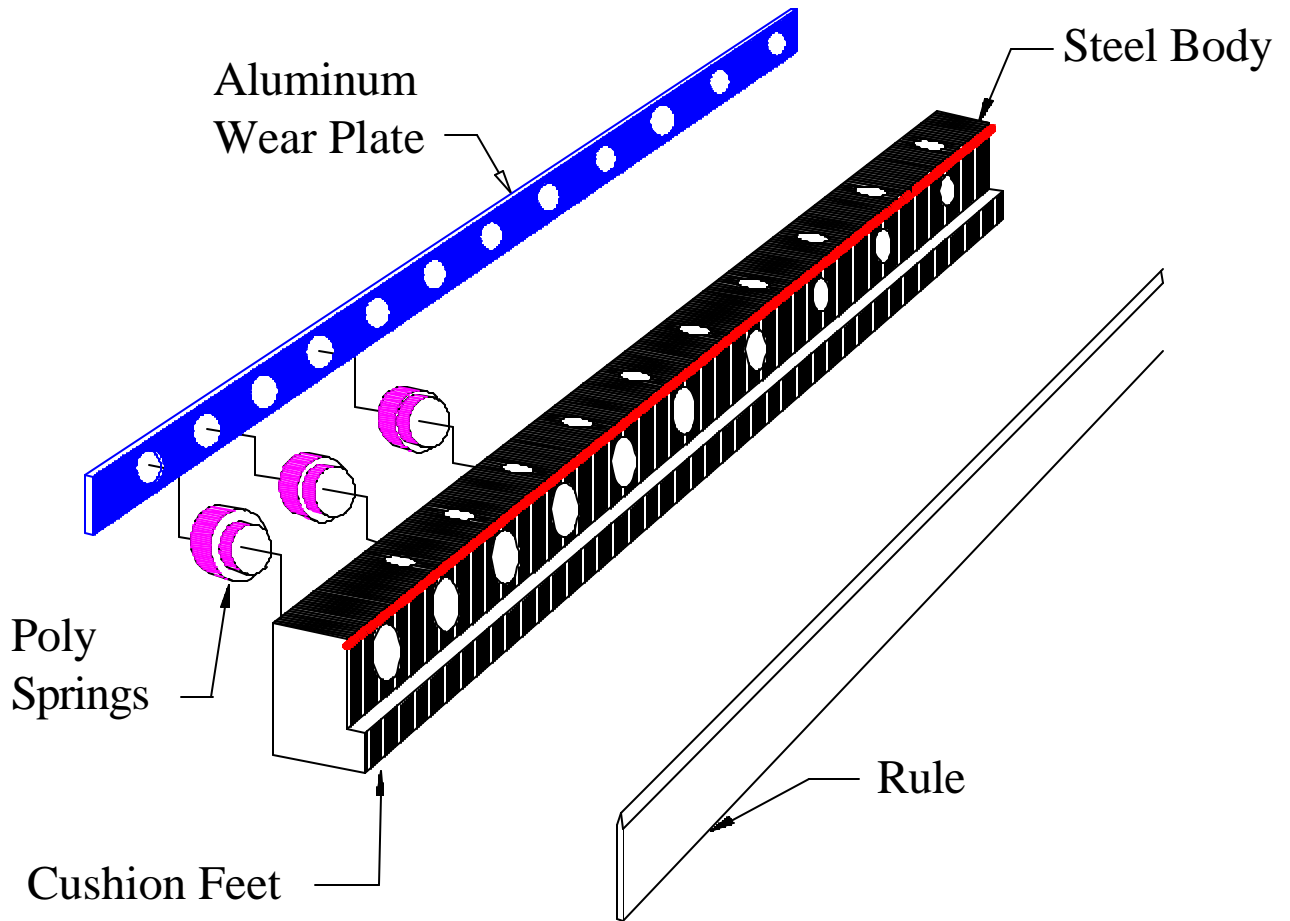
The purpose of the Meaden Poly Spring Bar is to increase the up time of your press. This is accomplished by allowing the pressman or collator operator to make a complete blade change in a matter of seconds.

THE PRINCIPLE OF THE BAR

The Meaden Poly Spring Bar replaces your Standard Gib Bar and Bolts with Polyurethane compression springs that expand to firmly hold the blade into the cylinder slot. These Poly Springs are held in place between an aluminum backing plate and a steel body. The steel body is designed to support either .918" or .750" high Perf Rule. The Poly Spring is designed with extension lugs that protrude through the steel body and act as “suction cups” to help prevent the Rule from “walking”. The height of the bar is adjustable. It rests on composite cushion feet that absorb the shock of blade to anvil impact.



Poly Spring Bar

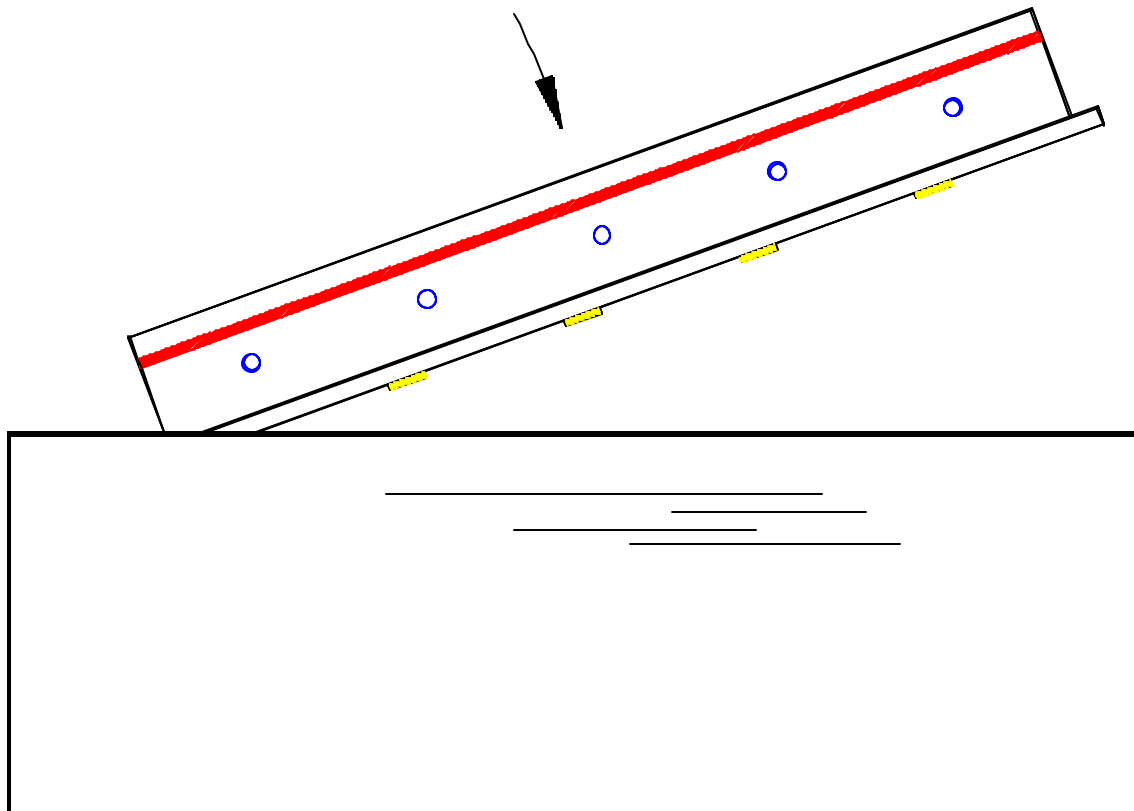


BAR INSTALLATION

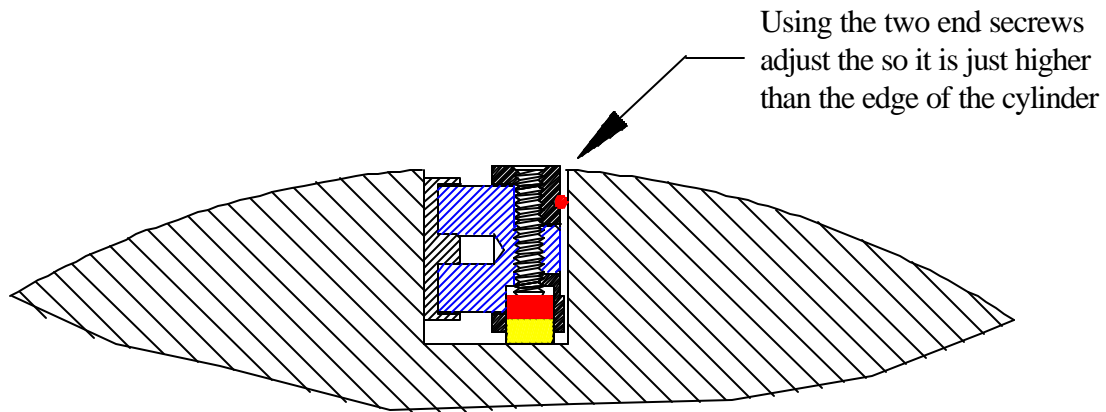
The design of the Meaden Poly Spring Bar lends itself to easy installations by your in-house maintenance team.

The following steps will complete a successful installation:

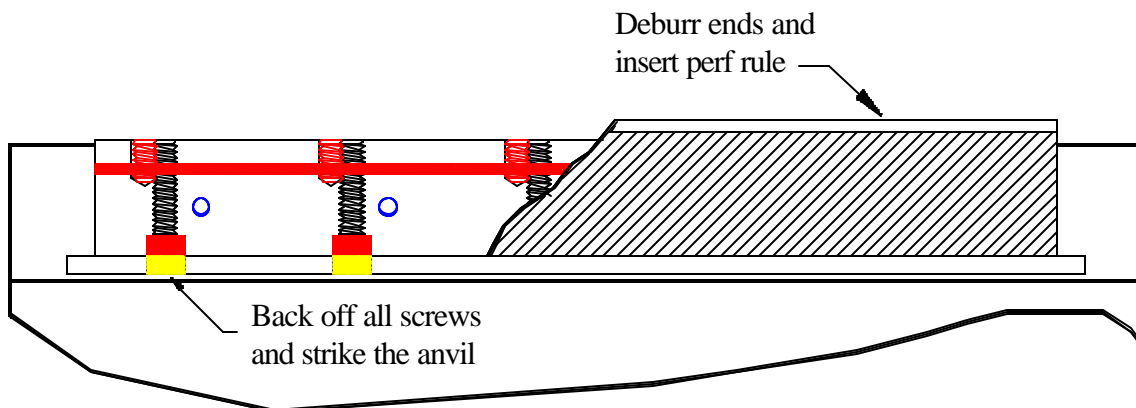
1. Make sure that the slot is clean of any burrs, high spots.
2. Compress one end of the bar by hand and insert it into the slot at roughly a 30 degree angle, push the remainder of the bar down evenly and seat it in the slot.



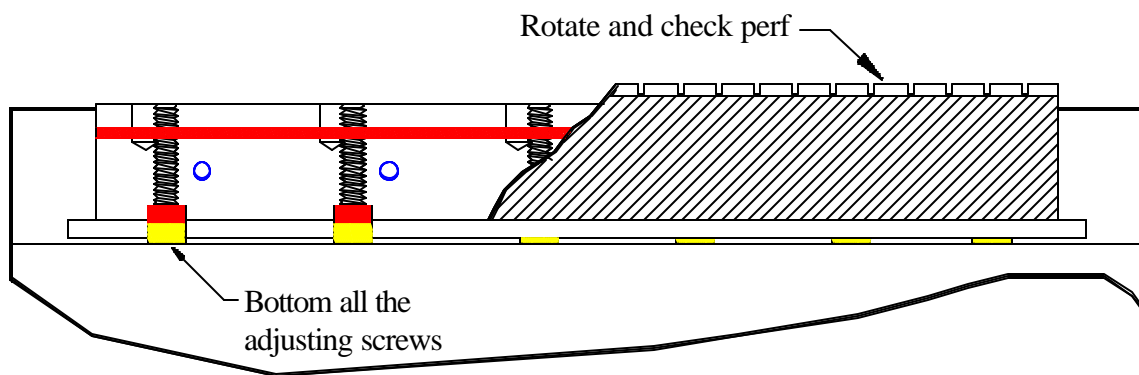
3. Using the adjusting screws on each end, bring up the bar until it is just higher than the cylinder circumference.
4. After de-burring the blade, insert the engagement tool in the holes provided and compress the springs. Then drop the blade into the gap making sure it rests on the lip of the bar.



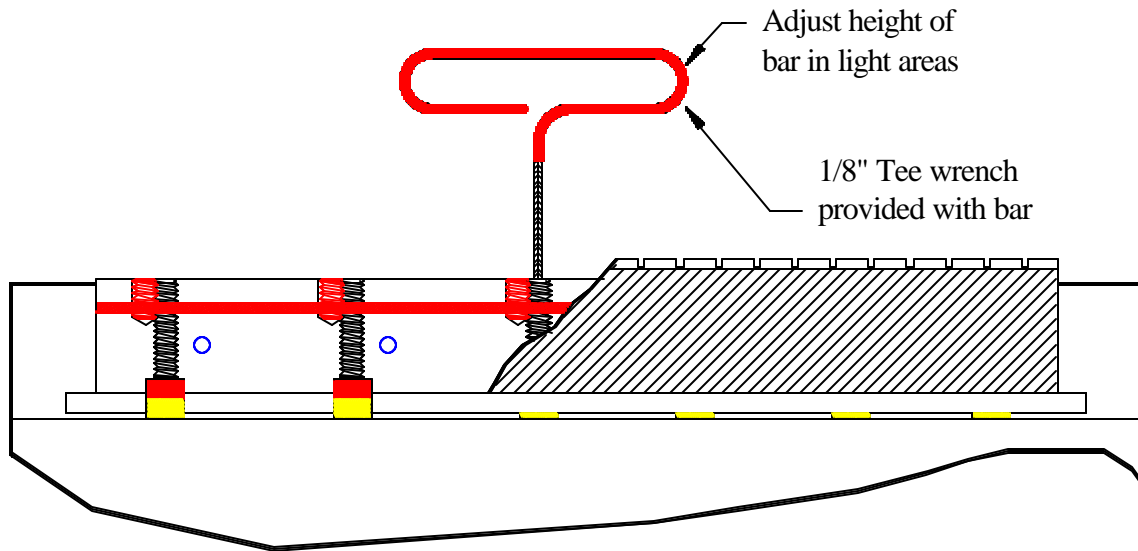
5. Back up the end adjusting screws to their original position and rotate the press to strike the anvil and seat the bar.



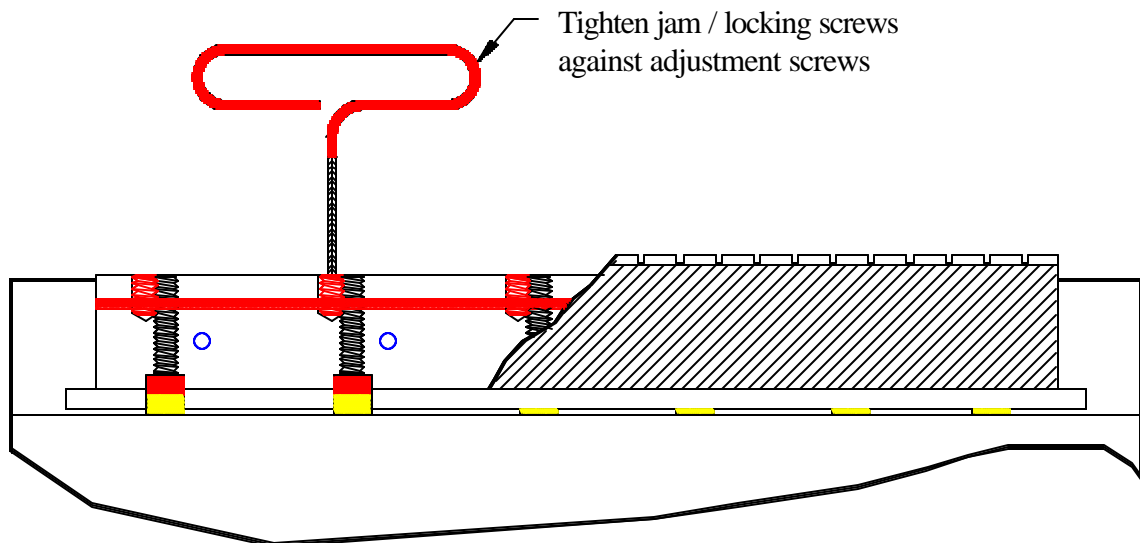
6. Bottom all of the adjusting screws until you feel them just touch bottom. **** If you feel the bar rise, back-up the screw just enough to take the pressure off.**
7. Rotate the cylinder (with the web in) and check the perf. **** At this point you should have a light cut across the web.**



8. Make your final height adjustments on the bar, in the areas that are light.



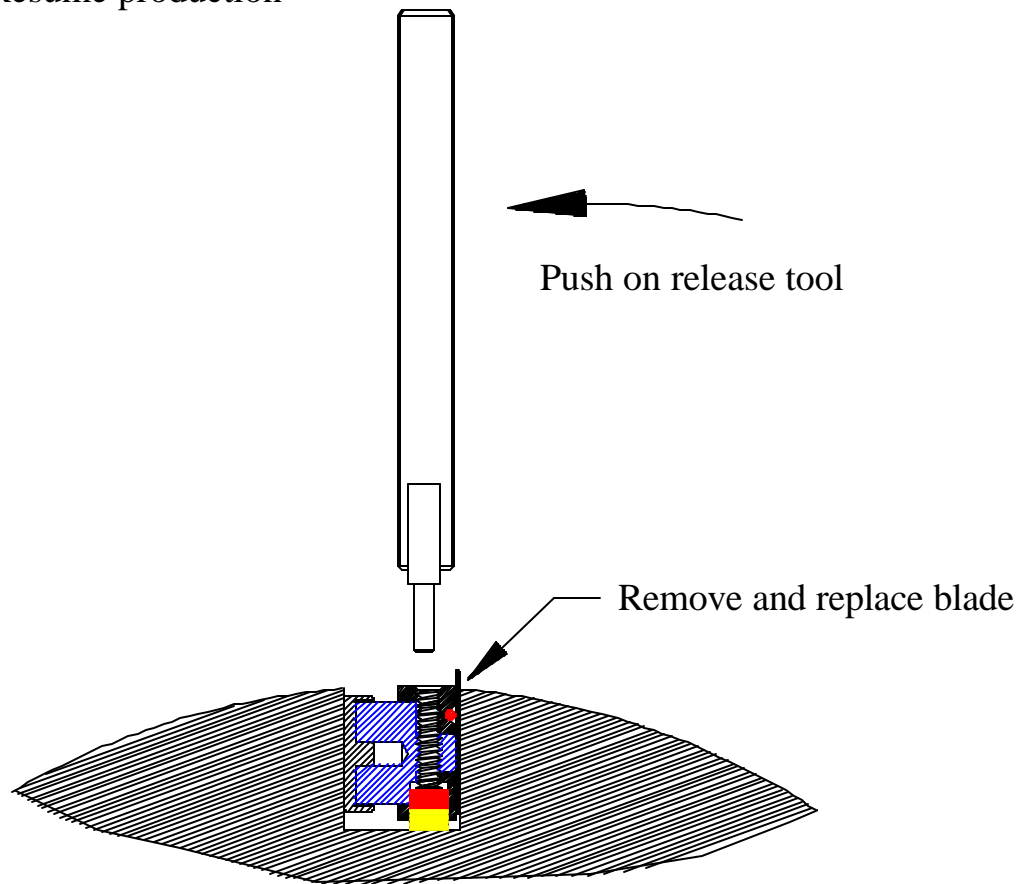
9. Finally, using the same wrench, tighten the RED locking set screw until it bottoms out. This will lock the adjusting screw.



BLADE INSTALLATION AND REMOVAL

After the initial installation is completed, all that is required to change a blade is to:

1. Insert our “Engagement Tool”
2. Push on the tool to release the pressure in the blade
3. Grab the end of the old blade and remove it
4. Insert a new blade
5. Release pressure on the “Engagement Tool”
6. Resume production

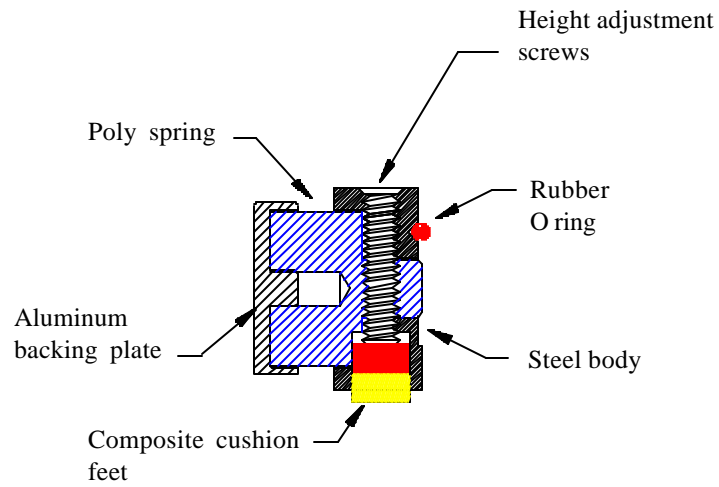
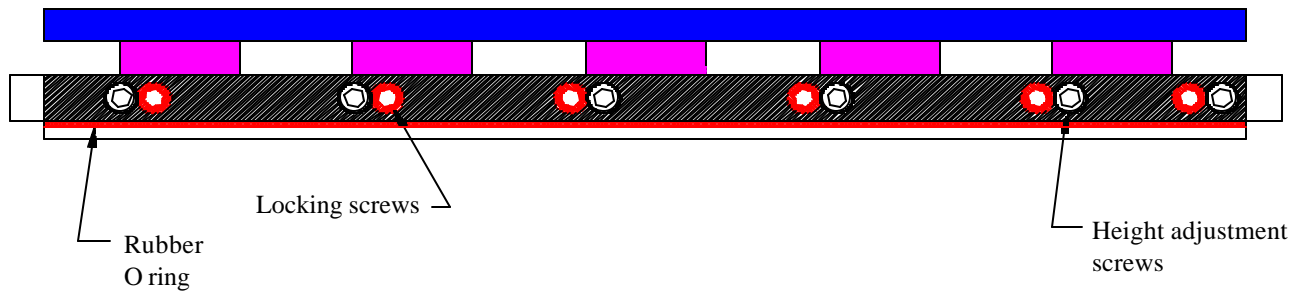


IMPORTANT:

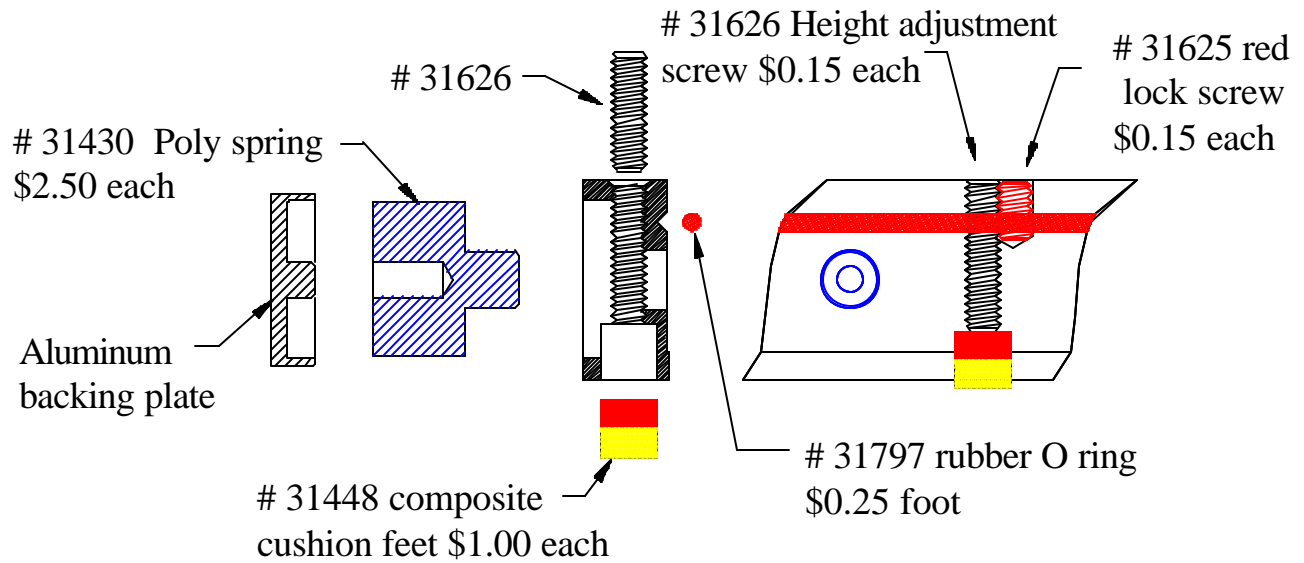
**** If minor adjustments have to be made, first take the pressure off the locking screws. Make minimum adjustments and finish by re-tightening the locking screws.**

Should you need help, have any questions, or request that a Meaden Service Engineer perform the installation for you, contact our Customer Service Department at 1-630-655-0888.

Poly Spring Bar



Poly Spring Bar Spare Parts



Poly Spring Bar

Engagement Tool

4 pin Tool # 31327 - \$ 50.⁰⁰

6 pin Tool # 32449 - \$ 50.⁰⁰

8 pin Tool # 31267 - \$ 50.⁰⁰

