

Powder Bar Spacer Bolt Kit

– For Dillon Powder Measures

Item #: T1751-S (Small Kit for up to 4 Powder Measures)

Item #: T1751-L (Larger Kit for up to 8 Powder Measures)

- ✓ Works with most versions of Dillon Precision Powder Measure including (but not limited to) #20421, #22221 and #20782.
- ✓ For use with Small and Extra Small Powder Bars only.
- ✓ Works with Arredondo Powder Drop Slide.
- ✗ Not Needed with Large, Extra Large or Magnum Powder Bars.
- ✗ Cannot be used on Dillon Belted Magnum Powder System.
- ✗ Cannot be used on SL 900, RL 1000 or RL 450 Powder Measure.

Small Kit Includes:

- 4 Stainless Steel Powder Bar Spacer Bolts
- 4 Stainless Steel Shim Washers
- 1 #8-32 Plug Hand Tap
- 1 3/32" Hex Wrench

The Powder Bar Spacer Bolts in this kit replace the white plastic Powder Bar Spacer Plugs (#13921) on Dillon Precision powder measures. By using this bolt instead of the original plastic plug, the Powder Bar Spacer is anchored solidly in place and can't creep back and forth as the powder bar cycles. Even a small movement of the Powder Bar Spacer can present a ledge that disturbs the smooth flow of powder to the powder bar.

Note: Refer to the User Manual for your press to identify the Dillon part numbers referenced below.

Preparation for Installation

- 1) Drain all powder from Powder Measure.
- 2) Remove Powder Bar Spacer Plug (#13921) and then slide the Powder Bar Spacer (#13644) out of the Powder Measure. The Powder Bar does not need to be removed.

Modifying Powder Bar Spacer

- 1) Using the #8-32 Thread Tap included in the kit, tap threads completely through the hole in the Powder Bar Spacer.

IMPORTANT: Apply a few drops of oil to lubricate the tap.

TIP: If you tap the threads starting from the bottom of the Powder Bar Spacer, the threads close to the top, where the Shoulder Bolt engages, will be straighter and sharper.

- 2) Remove any burrs on the bottom of the hole that would drag and scratch the Teflon® coating of the Powder bar. Thoroughly remove all residual oil as it will attract powder.

Tap this hole #8-32 → ●

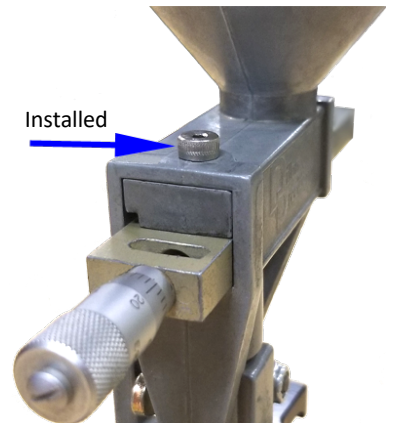


Installation

- 1) Slide the Powder Bar Spacer into position on top of the Powder Bar and align the hole in the Powder Bar Spacer with the hole in the Powder Measure Body.
- 2) Insert the Shoulder Bolt through the hole in the Powder Measure Body and engage the threads in the Powder Bar Spacer. Screw it down as far as you can using your fingers.

- 3) Use a 3/32" Hex Wrench (included in the kit) to snug the Shoulder Bolt.

DO NOT OVERTIGHTEN. The Powder Bar Spacer is a relatively soft metal and overtightening could strip the threads. Since the Shoulder Bolt is only anchoring the Powder Bar Spacer to prevent it from sliding when the Powder Bar cycles, it doesn't need to be very tight.



Powder Bar Post and Springs removed for photographic clarity.

- 4) Check that the Powder Bar Spacer is being pulled up and clamped tightly to the Powder Measure Body. If it isn't tight, add one (1) Shim Washer (included in the kit) under the head of the Shoulder Bolt. Install the washer with the shiny, slightly rounded side up.



Note: On most powder measures, a shim washer will not be needed. But the Powder Measure Body on some powder measures may be thin enough that the shoulder of the bolt bottoms out against the top of the Powder Bar Spacer before it is pulled up tightly against the Powder Measure Body. Installing more than one Shim Washer should not be needed and is not recommended.

FAQs

Q: Does this installation make any permanent modifications to my powder measures?

A: The only permanent modification is to the powder bar spacer (threading the hole #8-32). But, even after threading, the Powder Bar Spacer can still be used with the original Powder Bar Spacer Plug.

Q: I have placed a shim on top of the Powder Bar Spacer to reduce powder leakage with ultra-fine-grained powders. Can I use this kit with the shim?

A: Yes. In fact, this product will help keep the shim from working out of position by clamping it between the Powder Bar Spacer and Powder Measure Body!

NOTE: The #8-32 thread tap included in this kit is a carbon steel tap. It is intended for use only in soft materials like the Powder Bar Spacer Plate. If used on any harder materials (e.g. Brass, Aluminum alloys or Steel), tap breakage is likely to occur.

Disclaimer: UniqueTek, Inc. is not liable for damages or personal injury that may be incurred as a result of using this product in an improper way or in a reloading press that has been improperly maintained or operated. It is your responsibility to ensure that your reloading equipment is properly assembled, is maintained in proper working condition, and is used according to the manufacturer's instructions and safe reloading practices.