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Powder Measure Weight Kit™

– For Dillon Powder Measures

! Must be used in conjunction with the Dillon Low Powder Sensor.
✓ Works with all Dillon Auto Powder Measures including the Belted Magnum Powder System.
✓ Two weights allow adjustability.
✓ Includes UniqueTek Quick-Release Failsafe Rod Nut so you can set Low Powder Sensor to trigger at any powder level you want.

Included:
– 2, 1.5 oz Brass Powder Measure Weights
– 1, #10-24 Hex Nut
– Instructions

Item No.: T1780

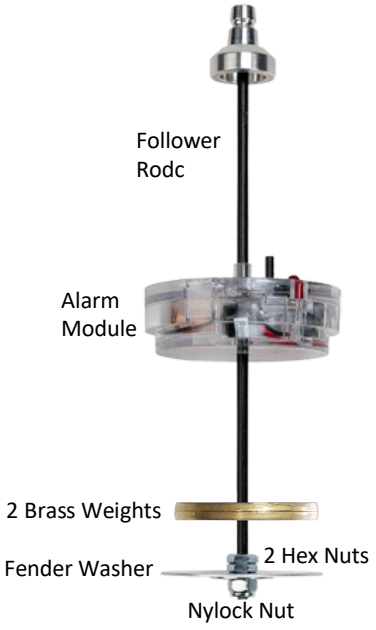
This Powder Measure Weight Kit™ adds weight on top of the powder in the powder hopper. This has the effect of decreasing the weight change as the powder level decreases. The Powder Measure Weight Kit™ is designed to be used in conjunction with the Dillon Low Powder Sensor.

By adding weight on top of the powder, the weight of the powder column varies less as powder is consumed. The example below was done using VihtaVuori N350.

	Powder Only	1 Powder Weight	2 Powder Weights
Full	4382.8 gn	5030.2 gn	5977.2 gn
Minimum	794.8 gn	1442.0 gn	2089.2 gn
Weight Change	Δ = 81.9%	Δ = 71.3%	Δ = 65.0%

Installing Powder Measure Weights onto the Low Powder Sensor

1) Remove the Low Powder Sensor (SKU#: 16306) from the Powder Measure hopper.
2) Remove the Nylock nut, fender washer and hex nut from the bottom end of the follower assembly.
3) Slide both of the Brass Powder Weights onto the follower rod. †
4) Install the #10-24 hex nut, included in the kit, onto the Follower Rod and thread it all the way to the end of the threads. When using both weights, this hex nut keeps the upper weight centered on the Follower Rod.
5) Reinstall the original hex nut, fender washer and Nylock nut onto the follower rod.
6) Hold the Low Powder Sensor vertically and slide the weights down until they center around the hex nuts.
7) Reinstall the Low Powder Sensor into the Powder Measure hopper.

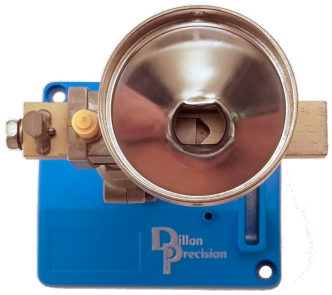


† Installing both Powder Measure Weights is recommended to start as it yields the greatest reduction in powder weight change from Max to Min powder levels (see table above). That said, you may find that acceptable results can be achieved with only one weight. Given the broad range of powder types currently available, you will need to experiment to determine if two Powder Measure Weights are needed, or if one is sufficient for any particular powder.

NOTE: These brass weights have a very slight dish shape. When using two weights, we recommend orienting them with the dished sides together. This orientation results in a tight fit around the perimeter of the brass weights (see photo at right) … minimizing the possibility of powder from becoming trapped between the weights.

Polish Your Powder Measure

We recommend that you polish the interior of your powder measure. This has been proven to contribute to more consistent powder drop weights. The polished surface helps powder flow more easily down to the powder bar and can enhance the powder charge weight consistency of all powder types.



Use with Powder Baffles? *

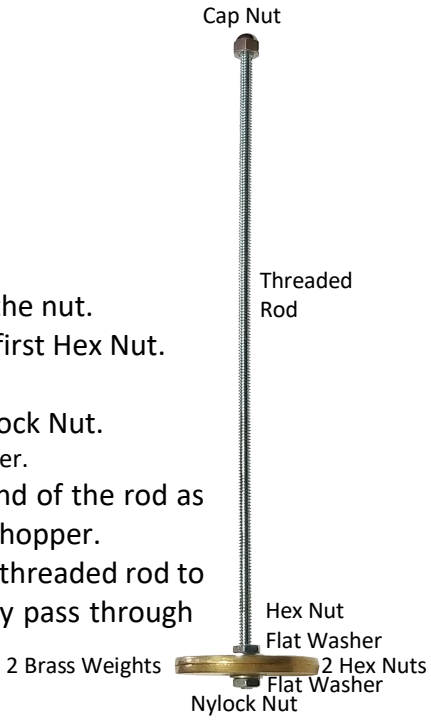
After market powder baffles are designed to yield more consistent powder levels below the baffle regardless of the powder level (or powder weight) in the hopper. That said, having a more consistent weight above the baffle is very likely to contribute to improved powder drop consistency. Given the wide variety of powder baffle designs*, the only way to know is to test.

* This includes powder baffles such as the Armaov Powder Baffle, Positive Feed Powder Baffle, Prairie Dog Perfect Powder Baffle, Titan Powder Baffle and Powder Baffle 2, Uncle Nick's Powder Baffle Template and the UniqueTek Precision Powder Baffle™.

How to Use without a Dillon Low Powder Sensor or with Other Powder Measures

The Dillon Powder Weight Kit can indeed be used on a Dillon Powder Measure without a Low Powder Sensor or with powder measures from other manufacturers. With other powder measures, the main limitation is that the ID of the powder hopper must be no smaller than 2.0".

Materials:
1, #10-24 Threaded Rod (length as needed)
3, #10-24 Hex Nuts
1, #10-24 Nylock Nut
2, #10 Flat Washers
1, #10-24 Cap Nut



1. Install 1 Hex Nut onto the threaded rod such that 1/2" of rod is exposed below the nut.
2. Next install 1 Flat Washer followed by 2 Hex Nuts and tighten them against the first Hex Nut.
3. Next install both brass weights with the holes engaged over the two Hex Nuts.
4. Next install 1 Flat Washer followed by the Nylock Nut* and then tighten the Nylock Nut.
   * It is important to use a Nylock Nut as it ensures that it can't come loose and fall into the powder.
5. Install the Cap Nut on the other end of the Threaded Rod to guard the sharp end of the rod as well as give a better grip on the rod when installing/removing from the powder hopper.
6. You will also need to drill a hole in the center of the powder measure lid for the threaded rod to pass through. The hole must be large enough for the threaded rod to smoothly pass through (about 7/32" will do).

NOTE: For larger diameter powder hoppers, you may need to replace the bottom Flat Washer with a Fender Washer of larger diameter to endure that the weights float on top of the powder.