

LEE QUICK CHANGE DRUMS

90453



SET OF 4 QUICK CHANGE DRUMS

FOR USE WITH THE POWDER MEASURES

DELUXE PERFECT POWDER MEASURE # 90699

AUTO DRUM POWDER MEASURE # 90811

1 Select Appropriate Drum

Reference LEE RELOADING DIES INSTRUCTION SHEET or "MODERN RELOADING" VOLUME CC column in determining the cc's to dispense.

LEE "MODERN RELOADING"

STARTING LOADS									
POWDER TYPE	START GRAINS	VOLUME CC	AUTO DISK	LEE DIPPER	VELOCITY FPS	NEVER EXCEED	VELOCITY FPS	PRESS	UNITS

LEE DIE INSTRUCTIONS

STARTING LOADS									
Powder Type	Start Grains	Volume CC	Auto Disk	Lee Dipper	Never Exceed	Velocity Min	Velocity Max	OAL	

Select appropriate drum for the charge you wish to dispense.



Small Drum

Maximum capacity is 2.8cc.



Large Drum

Minimum capacity is 2.27cc.

Maximum capacity is 6.49cc.

Large drums can be converted to low capacity. See **HELPFUL TIPS** on reverse.

Adjusting Charge using Adjustment Key



Each of the **Quick Change Drums** includes a key that you insert into the adjusting screw to make your adjustment. Each flat of the 10 sided key represents .01 cc or about a 1/10 grain for the average powder. Light, fluffy powders are going to be less; and more dense powders are going to be slightly more. On average, it is 1/10 of a grain per flat.

2

Setting Your Charge

USE LEE DIPPER OR SAFETY SCALE

You can quickly preset the approximate charge using a LEE DIPPER or a weighed charge. Then pour charge into metering chamber.



Insert adjustment key and rotate key until powder is flush with the face of the drum.

Return the powder to container.

Deluxe Perfect Powder Measure Users

3



Remove the o-ring in the clamp knob if utilizing the Quick Change Drums.

Don't discard the o-ring, you will need it for your brass drum.



Install drum by putting the metering rod facing opposite of the crank, slide it in and lightly snug the adjusting knob, so that you have tension. If using our powder stand, the proper tension is when you cycle the lever you just about pick up the stand.

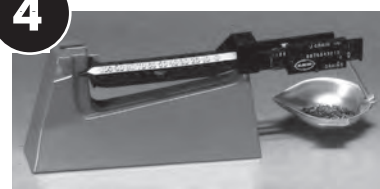


Auto-Drum Powder Measure Users

Install the drum with the metering rod facing down towards drop tube, aligned with the hopper on the Auto-Drum measure.

CAUTION Do not overtighten the drum screw. If you do, it may bind the drum and prevent proper orientation or damage the measure.

4



Cycle the powder measure several times to stabilize measure. Drop charge and weigh on the scale. If you are light or heavy, see next page for adjusting the drum.

5



Fine Tuning Charge

CHARGE IS LIGHT

Each key flat on the key is about $\frac{1}{10}$ of a grain. For example, if you are $\frac{3}{10}$ of a grain light, screw out the key counterclockwise 3 key flats to increase the charge. This will back out the metering rod, increasing the chamber size to drop more powder.

CHARGE IS HEAVY

If you are heavy, rotate the key clockwise to decrease the charge.

Large Capacity Quick Change Drums

PLEASE NOTE When you dispense large charges, allow enough time for metering drum to fill and dispense.

Cartridges like the 300 Win Mag can take up to 3 seconds to fill.

RULE OF THUMB Allow 1 second per cc for charging and dispensing the powder charge.

6



Continue to dump charges and verify. Once it's set to your desired charge or slightly less, remove the key from the metering rod and place back into drums storage bracket.



Nice Feature!

You can use a #2 pencil and mark the type of powder and the charge on the flat surface. After you change or move to another one, you can simply erase and write something else.

HELPFUL TIPS



On both the large and small drums, do not extend the metering rod past the end of the drum, because it will expose the o-ring on the drum and it may be difficult to reassemble.

Convert Large Drum to Low Capacity

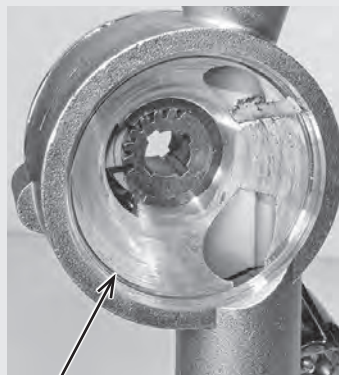


If everything you reload is 223 cartridge size and smaller, you may want to reduce the capacity of large drum. To do this, remove the plug from the drum and install into the metering rod. This is a semi permanent change because it is a press fit into the metering rod. Slide it into the drum, and push firmly home with finger. Once installed, the zero capacity is reduced to about .25cc's, suitable for the tiniest cartridges.

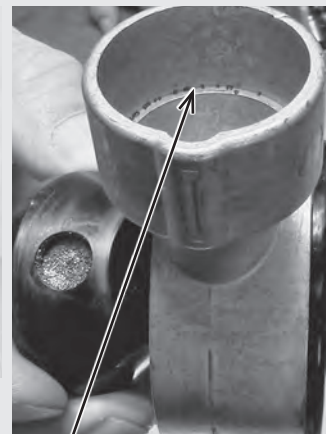
Change Drum Size or Powder Type

After removing the hopper, there will be some residual powder inside the powder measure where the hopper installs and where the drum installs.

To prevent cross contamination across powder types, you want to make sure this residual powder is removed. The powder measure incorporates a no leak groove that will accumulate fine grain powders, make sure that is cleaned as well. Leave the graphite that is built up on the surface of the drum and inside the measure, this acts as a lubricant.



No leak groove



Remove residual build up