

LIP BALM HOLDER KIT

Kit Features:

- Convenient size for purse or keychain
- Minimal Parts--easy to assemble
- Available in multiple finishes
- Overall length varies depending on size of lip balm

Required Accessories:

- 7mm Pen Mandrel
- Drill Bit: #FB4564
- Bushing Set(2pc): #PKLBALMBU
- Barrel Trimming: Disc sander recommended.
- Live Tailstock or Mandrel Saver
- 2 part Epoxy – CA not recommended
- Blank Minimum Size: 1" x 1" x 1-9/16"L – Can be longer; see below.

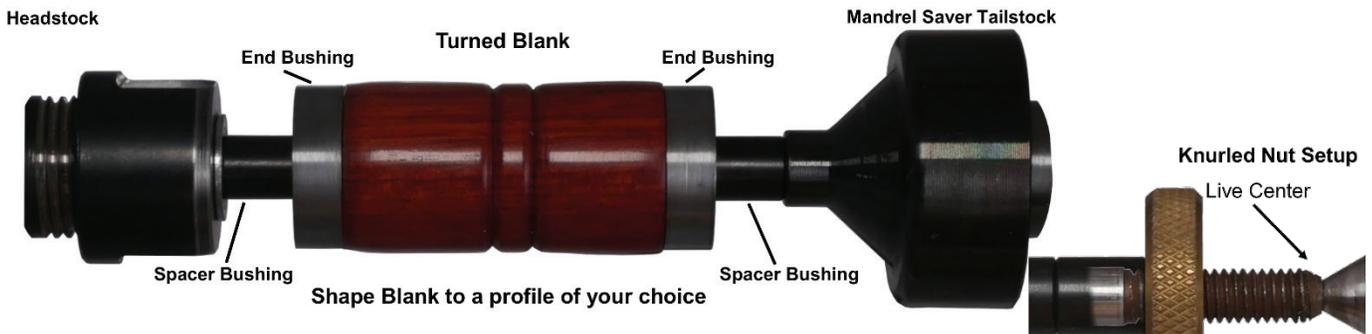


Preparing the Blank – Note: There is not internal tube for this kit.

- There are a couple of lengths and diameters available across popular brands of lip balm. Chapstick lip balms are shorter than Burt's Bees style and most lip balms will come in one of these two styles. Longer lip balms in shorter blanks will be usable, but there will be a slight gap above the Dial Holder when assembled.
- Drill 45/64" hole lengthwise through the blank. Make sure your hole is as straight and centered as possible as there are no trimming sleeves available for this size hole.

Typical Blank Length	
Chapstick	1-5/8"
Burt's Bees	1-11/16"

DIAGRAM B / TURNING THE BLANKS



Turning the Blank:

- Mount the bushings and blanks according to diagram B. You may wish to add spacer bushings for extra room to work.
- When using Mandrel Saver, there is no need for extra spacer bushings or the knurled nut. Slide tailstock directly against bushings and tighten quill adjustment until blank and bushings are secure.
- If not using Mandrel Saver, add spacer bushings until some of the threads are covered and thread on the knurled nut, hand tightening against bushings to hold all components in place.
- Slide the Tailstock up snugly against the Mandrel shaft, inserting the live center point into the Mandrel dimple and locking the Tailstock.
- Hand tighten the quill adjustment on the tailstock to steady the mandrel. Do not over tighten, it could damage mandrel shaft.
- Using sharp tools, turn the blank down close to the bushing diameter. Turn the barrel straight or to a profile of your choice.
- Sand the blank down to be flush with the bushings, gradually increasing sandpaper grits.
- Finish the barrel using your choice of polish. Allow Sufficient time for the polish to cure—refer to polish instructions.

Diagram C / Bushing

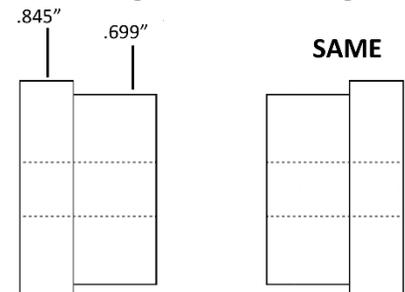
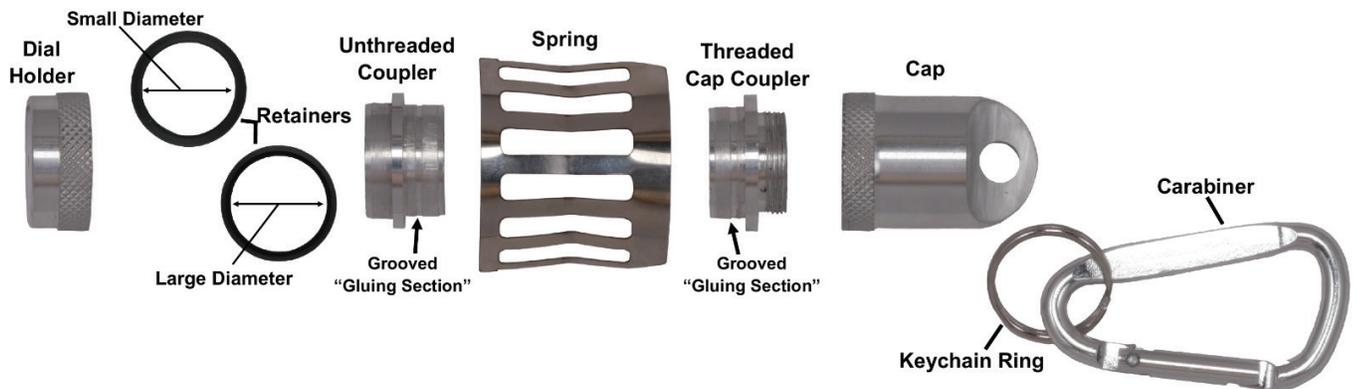


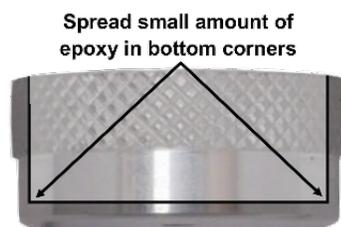
Diagram D / Parts Layout



Assembly

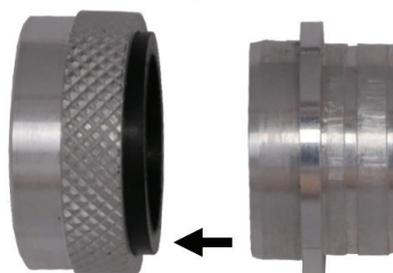
- Determine whether your chosen lip balm fits the Small Diameter Retainer or the Large Diameter Retainer. The correct Retainer should hand press tightly over the dial at the bottom of the lip balm. Once the correct retainer is determined, remove the lip balm and set the Retainer aside.
- Mix a small amount of 2 part epoxy and use a small spreader, such as a toothpick, to place a small amount in the bottom inside corner of the Dial Holder. (Dia. E)
- Put the chosen retainer into the Dial Holder.
- Use the short side of the Unthreaded Coupler to push the retainer fully into Dial Holder (Dia. F). Set aside to cure.
- Curve the Spring and insert it into the bottom of the Threaded Coupler as shown in Diagram G.
- Mix a moderate amount of 2 part epoxy and spread into the openings on both sides of the blank.
- Spread a thin amount of epoxy onto the outside of the longer, grooved "gluing sections" on both Couplers.
- Insert the grooved gluing side of the Unthreaded Coupler and Threaded Cap Coupler into the openings on both sides of the Blank and set aside to cure.
- Once all the Epoxy has cured, hand press lip balm into the Retainer in the Dial Holder.
- Remove cap from lip balm and insert, tip first, through the Unthreaded Coupler opening until the Dial Holder bottoms against the Base Coupler.
- Dial Holder can now be turned to raise and lower the lip balm.
- Kit cap threads onto the Threaded Cap Coupler. Cap that came with lip balm is not used.
- Attach Keychain Ring to the hole in the Cap. This can then be looped into the Carabiner to be attached to a purse strap, belt loop, or as a key chain.
- To change lip balm, pull Dial Holder out of the Unthreaded Coupler and replace the lip balm with the same size/brand as previously used.

Diagram E



Spread small amount of epoxy in bottom corners

Diagram F



Use Unthreaded Coupler to push Retainer fully into Dial Holder

Diagram G

