

1403-2

Mark Nelson demonstrates how a tumbler works and how to clean charms.

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Please continue to page 2 for project instructions.

Guest:



Mark Nelson

Basic Steel Shot Barrel Tumbling

Tumbling is a great way to give charms or other small pieces a bright shine through burnishing. Burnishing is a process of polishing where one object of a superior hardness rubs against another object repeatedly, creating a slight elastic deformation which, while not leaving a mark, improves the finish and shine of the softer object.



steps:

1. Place the barrel on one end.
2. Remove the lid by twisting in a counter-clockwise direction.
3. Add 3 lbs. of stainless steel shot (the maximum load per barrel).
4. Add up to $\frac{1}{4}$ cup of the workpieces to be burnished.
5. Add diluted Super Sunsheen™ burnishing compound (distilled water and 1–2 drops of burnishing compound) until it covers 1" over the top of the steel shot and jewelry workpieces. **Please Note:** If you are tumbling workpieces that have stones in them, add one to two additional drops of undiluted Super Sunsheen™ burnishing compound. This will cushion and protect the pieces during the tumbling cycle. Soft stones such as turquoise, coral, opal and pearls should not be put into the tumbler.
6. Reposition the lid by screwing it back on in a clockwise direction. **Please Note:** If the barrel leaks, check to see that the lid is not cross-threaded. Applying slight downward pressure while screwing the lid on can help prevent this. Ensure the rubber gasket and all the cells along the inside are completely dry before replacing the lid. If leaking persists, dry the gasket and cells, then try applying a small amount of Vaseline® or waxy lip balm to the rubber gasket.
7. Tumble for approximately 120 minutes. **Warning:** Rotating rollers can be dangerous. Turn the rollers off when loading the barrel. Keep hair and loose-fitting garments away from the machine at all times.
8. Rinse the workpieces, stainless steel shot and the tumbler barrel under tap water.
9. Dry the workpieces.



Before



After

– see reverse side for instructions on cleaning steel shot –



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Cleaning the Stainless Steel Shot

Stainless steel shot should be kept as clean as possible at all times. We recommend that shot be cleaned after every second or third use.

1. Dilute the Sunsheen™ steel shot cleaner according to the directions on the bottle.
2. Add the steel shot to the tumbler.
3. Add enough diluted shot cleaner to cover about 1" over the steel shot. Tumble.
4. If the water appears dirty after tumbling, rinse the shot and repeat the process (the shot is clean when the liquid cleaner is the same color it was before it was put in the tumbler).



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supplies:

Order #	Description
202-210	Dura-BULL™ rotary tumbler kit
202-212	Replacement barrel
339-317	Sunsheen™ steel shot cleaner
339-323	Super Sunsheen™ burnishing compound
339-097	Steel shot, 3 lbs., mixed
—	Distilled water