



**RELOADERS use BRASS
B
I
G
H
T**



User's Guide for Polishing Spent Ammunition with Brass Bright Ceramic Spheres

- 10 Simple Steps with your Tumbler or Vibratory Polisher

Brought to you by Kalamazoo Brass Bright - Spent Ammunition Polishing Products & Services

Proprietary Method Produced with Hard Work, Experimentation, Determination, and Discovery in Kalamazoo, Michigan U.S.A.

All Rights Reserved.



Reloaders Use Brass Bright

Dear Customer,

Thanks for purchasing our brass polishing spheres! We think you'll find them very useful for a far more effective, less timely, less costly, and overall better experience when cleaning your brass.

Please read these few pages of instructions before proceeding!

These instructions are designed in 10 steps to give you a good starting point that produces results quickly. You'll then have the opportunity to fine tune procedure, per your experience, as it fits your personal wants and needs for polishing empty brass ammunition casings.

Along with your ceramic polishing spheres, you'll need:

A small amount of liquid dishwashing detergent (Dawn is recommended). 1 Teaspoon.

A small amount of liquid laundry detergent (Gain is recommended). 1 Teaspoon.

If you have hard water issues, or well water, you'll want to acquire some Lemi-Shine hard water softener used for dishwashers. You should be able to find it at your local retailer or hardware store available in liquid and/or granule formulation. Both types will work.

Some microfiber cloths, chamois, or other towel (your favorite t-shirt will work too).

Some form of forced air, be it a fan, blower, hair dryer, or compressed air. An oven may also be used.

A media separator if you have access to one (very convenient but not necessary)

Use all the ceramic media being shipped you. If you think you need more, given the size of your polisher we can get it to you. But for now you should be fine starting out with 4 to 8 lbs. of spheres, depending on the size of your polisher. Your media has been shipped wet, likely from previous cleaning. If it is wet or dry, it should not be a concern.

DO NOT LEAVE YOUR BRASS IN YOUR POLISHER OVER NIGHT. CHEMICALS IN DETERGENTS AND WATER SOFTENING ADDITIVES CAN CAUSE PERMANENT SPOTTING. NO WARRANTY IS EXPRESSED OR IMPLIED.

If you have any questions, please don't hesitate to contact me. Your satisfaction is of utmost importance to the operations taking place here at my desk and you'll have my attention in the shortest possible order.

Thank you for your order and honest feedback or concerns is very much appreciated.

Chris Bridges



Zoofactory@yahoo.com

We recommend doing an initial cleaning of your brass for 15 minutes using the ingredients above in your polisher with the ceramic media using the following Steps 1-6. This will remove a majority of debris and dirt.

Step 1: Clean your polisher of any previous media, or debris, by wiping with wet cloth or rinsing at the sink.

BE CERTAIN YOUR POLISHER IS UNPLUGGED BEFORE CLEANING OR MOVING IT.

Step 2: Pour the ceramic media into your clean polisher. Add Water equivalent to approximately 4 fingers width (water depth) to the polisher. The amount of Water is a flexible ingredient. (Be sure not to overburden your polisher by adding too much water. The weight of water, the ceramic spheres and brass all burden your polisher. Use good judgment here to maintain the longevity of your polisher).

Step 3: Add your brass (Remove grass, staples, and other debris prior to).

Step 4: Add 1 Teaspoon of Dawn. Add 1 Teaspoon of Gain.



Step 5: Turn on your polisher for 15 minutes to conduct an initial cleaning of the brass. You will notice the water gets dirty prior to becoming a frothy and soapy bath foaming in your polisher. If you have too many bubbles, reduce the amount of detergent. If it doesn't look like enough, try adding a bit more until you achieve a frothy soapy bath.



Step 6: After the 1st run, pour the contents of your polisher into a bucket. Take the bucket to a utility sink or garden hose and fill with water until it flows over. (Use some common sense here – you're going to have water spilling over so catch it in the sink or do it outside.) While doing the rinse, churn the beads by hand to stir up the media and the dirty water until the bucket, media, and brass flow clean. Pour out any additional water in the pail being careful not to pour the beads out of the pail.

Repeat Steps 1-6: If the polisher requires wiping or rinsing again, be sure to do that while the beads and brass are out of the polisher. The goal is to eliminate dirt and debris on the initial cleaning and you'll likely have some residue in the polisher from the initial run.

Simply return the contents of your pail (media and brass) and pour into the polisher.

Add 1 Teaspoon of Dawn. Add 1 Teaspoon of Gain. Add approximately 3 fingers of water. Water depth should not be higher than bead depth.



Step 7: Add a ½ teaspoon of Lemi-shine if necessary. You may try polishing with the first two detergents and be completely satisfied, however, if a slight haze is on the brass after cleaning, definitely use the Lemi-shine before drawing any final conclusions on the media.

Step 8: We suggest doing the cleaning of your brass for 20 minutes using the ingredients above in your polisher with the ceramic media. This should remove a majority of any remaining debris and dirt and polish the brass.

DO NOT LEAVE YOUR BRASS IN YOUR POLISHER OVER NIGHT. CHEMICALS IN DETERGENTS AND WATER SOFTENING ADDITIVES CAN CAUSE PERMANENT SPOTTING. NO WARRANTY IS EXPRESSED OR IMPLIED.

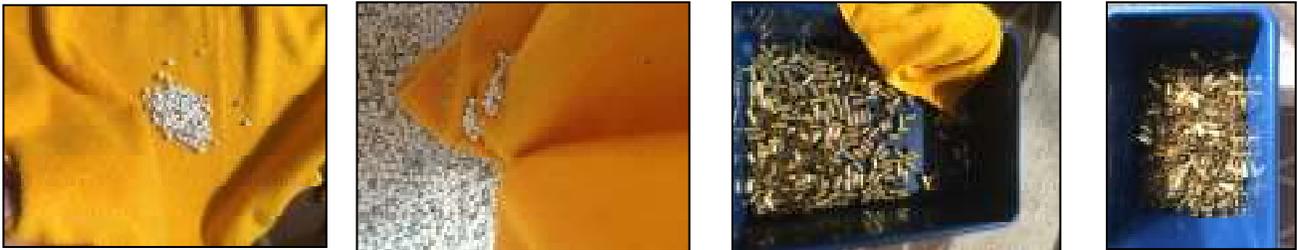
Step 9: Review the contents of the polishing with a focus on the brass and its level of shine. Also look at water quality. If you are still seeing dirty water and the brass has not achieved a desired level of shine, repeat the rinsing process and conduct a final run as outlined in Step 6.

Step 10: THE COMPLETION STEP

- Inspect your brass by reviewing the shine, looking inside the shell, and ensure the primer pocket and sidewalls of the shell are clean.
- Removing the brass from the media looks like a larger job than it is. Still, it may take the majority of your time as relates to the process as a whole. We prefer to begin removing the media from the polisher by hand or other large cooking spoon with holes (larger than 7 mm). By hand is slower, but preferred, as it gives you the opportunity to inspect each shell casing.
- Although oven drying is used by many, we suggest the following method in place because oven drying can (1 hour at 200F) may cause a slight color change in your brass. It's your choice depending on time.
- Set up a fan, blower, heater, or other forced air, compressed or non-compressed. Warmer air is better if ambient temperature is below 60F. You may also use a hair dryer as it affords heated forced air. Be careful not to overheat the brass. If you choose to use this method.
- As you remove the brass from the polisher, set the shells into a pan with a microfiber cloth or chamois in front of the fan or other device. Once placed on the cloth, you can wrap the shells with the cloth and dry using a rolling motion, back and forth. This will absorb a majority of the remaining water and allow excess ceramic beads to roll out of the shell quickly.



- Use a small probe, pick, or O-ring tool to remove any casings that have beads stuck inside. This happens on occasion.



- Put excess beads that rolled out into the cloth in the polisher for reuse. Hang your cloths to dry.
- Once dried, do what you will with your brass.
- Clean up your work area.
- You're all done – Go have fun!

Oh... And one more thing we may have already mentioned...

DO NOT LEAVE YOUR BRASS IN YOUR POLISHER OVER NIGHT. CHEMICALS IN DETERGENTS AND WATER SOFTENING ADDITIVES CAN CAUSE PERMANENT SPOTTING. NO WARRANTY IS EXPRESSED OR IMPLIED.

Some important points to consider and employ if desired based on experience and good ol' common sense:

- Most individuals use cold water when cleaning brass. You don't wash your dishes with cold water, so don't wash your brass with cold water. If you can get hot water, do it.
- Most individual will run their polishers for hours.... Water quality is of utmost importance. If you wash your dishes with filthy water, your dishes will simply not get clean - so don't wash your brass with filthy water.
- Rinse the polishing water as often as you think necessary. A quick water rinse with fresh water will beat staring at the polisher for 4 hours running the same old, cold, dirty water. The drawback to rinsing is that if you aren't careful, you can spill the ceramic media all over the floor or ground.... And it's timely to pick it all back up! Use good judgment.
- It's best to separate your brass by size before polishing. A 9mm shell loves to slide up into a 40 caliber shell and neither will get as clean as they could.
- In some instance, ceramic beads can get held up inside a casing. Use a probe or other small tool to remove the beads during the rolling process.
- When changing our water or pouring beads around the sink, make sure a good strainer is in place or you could be cleaning out your S-trap sooner then you'd like.
- **If you are polishing only .223 sized brass, please contact us first.**

If you have any questions, please don't hesitate to contact me. Your satisfaction is of utmost importance to the operations taking place here at my desk and you'll have my attention in the shortest possible order.

Thank you for your order and honest feedback or concerns is very much appreciated.

Chris Bridges



Zoofactory@yahoo.com

Brought to you by Kalamazoo Brass Bright - Spent Ammunition Polishing Products & Services

Proprietary Method Produced with Hard Work, Experimentation, and Discovery in Kalamazoo, Michigan U.S.A.

All Rights Reserved.