



Redding Reloading Equipment Cortland, NY 13045

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Type S Bushing Style Neck Sizing Die Instructions

Congratulations! Your purchase of the new Redding Type S Bushing Style Neck Sizing Die brings an advanced level of precision to your handloading.

Introduction

Your Type S Bushing Neck Sizing Die uses interchangeable bushings which are sold separately and allow you to choose the amount of neck sizing for your circumstances. Bushings are offered in .001" increments to allow you to select the amount of neck sizing that is "just right" for the neck wall thickness of the brass you are using.

Bushings are available in heated-treated steel or with a Titanium Nitride surface treatment for those who wish to minimize stress on the brass while sizing the necks.

Concentricity is enhanced by sizing the neck as little as is necessary as well as through the ability of the bushing to self-center on the case neck. Partial resizing of the neck length also can be accomplished by a simple adjustment of the decapping rod.

Additional Uses

Decapping Die

By simply removing the bushing, your Neck Sizing Die will turn into a decapping die for those who wish to remove primers prior to case cleaning.

Case Preparation

To get the most from your new Bushing Style Neck Die, you should segregate your cases by manufacturer's lot number and sort them for uniformity. It has demonstrated that cases that are uniform in neck wall thickness (as received from the manufacturer) will remain straighter throughout the reloading, firing and reloading cycle. It is also very important that case mouths are trimmed square and chamfered inside and out.



To Determine Bushing Size

The proper bushing size can be determined by measuring the outside neck diameter of your loaded cartridges with a precision micrometer. From this measurement, subtract .002". This allows for a small amount of spring back and creates the proper neck tension for seating the bullet.

For more information, reference the Bushing Chart on our website.

Die Preparation

All Redding dies are protected in storage and shipment by a rust preventative film, which should be removed before use. Clean the inside of the die with a good grade of bore solvent and wipe thoroughly with a clean patch.

While you have the die apart it is a good time to familiarize yourself with the decapping rod. Note that the overall length of the rod is adjustable.

Bushing Installation

- Drop a bushing of the desired size into the body die (numbers down).
- Insert the decapping rod until you feel it make contact with the bushing.
- Back the decap rod assembly away from the bushing by 1/16 of a turn and lock in place.

Note: This last step is very important. It gives the bushing .003" - .004" clearance allowing it to self-center on your case necks. Check the position of the decapping pin. It should protrude from the die body 1/8" to 3/16" to properly remove spent primers. A good gage is the thickness of two nickels. If it is incorrect, remove the entire decapping rod assembly and readjust its overall length as necessary.

The Redding Type S Bushing Style Neck Sizing Die may be used in any standard reloading press with 7/8" -14 threads.

When installing the die in your press it should make light contact with the shellholder.

The shoulder position in the die corresponds with standard chamber specifications and will not bump the shoulder of your brass under normal circumstances. If your chamber is known to be non-standard, you may need to adjust the die with a slight clearance between the die and shellholder. After installation, lock the die in position by means of the 7/8" - 14 lock ring provided.

Partial Neck Sizing

Partial resizing of the neck length of your cases can be accomplished if desired. Follow the bushing installation process above procedure with one exception. After you feel contact of the decapping rod against the bushing, back away two or three turns (i.e. the amount you desire for partial neck length resizing).

Note: This will also require a corresponding readjustment of the overall length of the decapping rod.

Lubrication

You should always visually inspect and clean your cases prior to resizing. The inside of the necks should be cleaned with a case neck brush to remove any abrasive residue.

Sizing bushings are available in Heat Treated Steel and with a Titanium Nitride surface treatment. A good quality neck lube like Imperial Dry Neck Lube (Part #07700) or Application Media (Part #07900) should always be used to minimize any unnecessary stresses.

If you have any questions regarding the above procedures, please do not hesitate to contact our tech support members.

Email: techline@redding-reloading.com

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Lifetime Warranty Disclaimer:

All Redding Reloading Equipment has been carefully inspected prior to shipment and is fully warranted to be free from defects in materials and workmanship for life.

Any product or parts which prove to be defective will be replaced or repaired without charge if returned prepaid to the factory.

Note: We reserve the right to decline responsibility where misuse or careless handling is evident or where repairs or modifications have been made or attempted by others.