

The Redding logo features the word "REDDING" in a bold, green, sans-serif font, enclosed within a green rectangular border with rounded corners.The Imperial logo features the word "Imperial" in a white, serif font, with a green swoosh underline that extends to the right.

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Competition Bushing Neck Sizing Die

Quick Start Set-up

- 1) Install the proper neck bushing in the Competition Bushing Neck die, with the bushing ID numbers facing down.
- 2) Loosen the micrometer adjustment knob until the index shows number 2 or 3.
- 3) Install the proper shellholder and raise the press ram to the top of its stroke.
- 4) Screw the die into the press until the sliding sleeve (marked with the cartridge name) compresses fully into the die body. The outer die body should be touching the shellholder.
- 5) Unscrew the die from the press just enough to bring the micrometer vertical index line to the front of the press so you can read it easily. This may require as much as one full turn. If the index mark is already facing front, unscrew the die a fraction of a turn so that there is light showing between the outside die body and the shellholder.
- 6) Screw the die body lock ring tight against the press and tighten the set screw in the die body lock ring.
- 7) Without lowering the ram, screw the micrometer adjustment knob down until it stops turning. Unscrew the knob up by .010" to .015" and note the reading on the micrometer.
- 8) Treat this reading as your dies zero, for this setup in this press. Never screw the micrometer below this reading or you will severely damage the internal parts of the die. This reading will provide the maximum amount of neck sizing available with this die. This reading will change from press to press or if the lock ring is changed.
- 9) Place the larger hex wrench into the hole in the top of the micrometer and loosen the set screw. Loosening this set screw un-locks the de-capping rod so you may adjust its length.
- 10) Adjust the de-capping rod length so that the de-capping pin just enters the bottom surface of the shellholder. You can see the de-capping pin position by looking into the front of the shellholder with the ram still in the raised position. You will have to remove the micrometer / de-capping rod assembly from the die body to change the length of the de-capping rod.
- 11) Tighten the set screw in the top of the die to prevent the de-capping rod from changing position.

Note: As you adjust the micrometer up, to size less of the neck, the de-capping rod will get "shorter" with relation to the primer and shellholder. You may have to lengthen the de-capping rod to push the spent primers out of the cases.

More importantly, if you lengthen the de-capping rod as above, you will have to "shorten" the de-capping rod when you adjust the micrometer back down to size more of the case neck. Failing to shorten the de-capping rod, by screwing it further up into the micrometer knob, may cause it to crash the bottom of the case and bend. Damage to the micrometer top may also occur.

- 12) Now lower the ram and go to work resizing case necks.

Micrometer
Assembly

Spring

Decapping
Rod

Spring Seat

Bushing
Pusher

Bushing

Sliding
Sleeve

Die
Body

