Revision Date: 06.04.2024

# Micron Die FAQ & Compatibility Guide

## Resize Dies

- **Caliber Reduction**: Resize dies can be used to reduce the caliber of a cartridge by using the correct bushing (e.g., 6mm GT to 22 GT).
- **Bushing Compatibility**: Resize dies do not come with bushings, but they are compatible with standard 0.5” bushings from brands like Micron, Redding, Wilson, and RCBS.
- **Neck Sizing**: There will always be a portion of the neck that remains unsized due to the radius on the bushing and the bushing pocket. This unsized area helps align the case in the chamber, enhancing accuracy.
- **Shell-Holder Gap**: The die should never contact the shell-holder. Maintain a gap no larger than 0.138” from the bottom of the shell-holder to the top. Standard Redding and RCBS shell-holders are recommended. To size a case past the 0.200” line to where chambers usually start (0.150”), the case needs to be sized this far down.
- **Press Compatibility**: Dies are compatible with any 7/8-14 TPI press, except for the Zero press by Area 419. They will also work with co-ax presses using their loc-rings.
- **Shoulder Bump Adjustment**: Adjust the case shoulder bump by moving the die up and down in the press, not by using different height shell-holders.
- **Decapping**: All dies will work with small rifle primer flash holes for decapping.
- **Chamber Compatibility**: Chamber compatibility is based on standard SAAMI & CIP body dimensions. If your chamber was correctly reamed with a SAAMI & CIP reamer, there should be no compatibility issues. The resize die dimensions, with added spring back, are designed to achieve brass approximately 0.001” under the chamber dimension. Note that case size and spring back can vary due to factors like brass brand, lot number, number of firings, and hot loads.

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| CALIBER | CHAMBER DIM AT .200 LINE | CHAMBER DIM AT SHOULDER | SIZED BRASS DIM AT .200 LINE (APPROX) | SIZED BRASS DIM AT SHOULDER (APPROX) | RESIZE DIE MAX NECK DIAMETER |
|---|---|---|---|---|---|
| 6.5MM PRC | 7-6.5MM | .5330 | .5168 | .5320 | .5158 | .3190 |
| 7MM PRC | | .5330 | .5187 | .5320 | .5177 | .3190 |
| .223 REMINGTON | | .3769 | .3553 | .3759 | .3543 | .2550 |
| .28 NOSLER | | .5510 | .5286 | .5500 | .5276 | .3220 |
| .308 WIN | | .4714 | .4551 | .4704 | .4541 | .3450 |
| 6MM DASHER | | .4707 | .4600 | .4697 | .4590 | .2750 |
| 6.5MM X 47 LAPUA | | .4717 | .4579 | .4707 | .4569 | .2930 |
| 6MM BR | | .4714 | .4609 | .4704 | .4599 | .2750 |
| 6MM BRA | | .4713 | .4600 | .4703 | .4590 | .2750 |
| 6MM PPC | | .4402 | .4310 | .4392 | .4300 | .2700 |
| 6.5MM RSAUM | | .5510 | .5357 | .5500 | .5347 | .2970 |
| .300 PRC | | .5330 | .5160 | .5320 | .5150 | .3430 |
| .300 RSAUM | | .5510 | .5357 | .5500 | .5347 | .3450 |
| .300 NORMA MAG | | .5879 | .5696 | .5869 | .5686 | .3440 |
| 6MM GT | | .4710 | .4600 | .4700 | .4590 | .2750 |
| .284 WIN | | .5010 | .4759 | .5000 | .4749 | .3470 |
| 6.5MM CREEDMOOR | | .4710 | .4630 | .4700 | .4620 | .2970 |
| .300 WSM | | .5550 | .5400 | .5540 | .5390 | .3460 |
| .300 NORMA MAG | | .5872 | .5641 | .5862 | .5631 | .3440 |
| 6MM ARC | | .4426 | .4310 | .4416 | .4300 | .2750 |
| .243 WIN | | .4714 | .4551 | .4704 | .4541 | .2790 |

Die Dimension Chart

## Seater Dies

- **Stem Design**: We currently only offer one style of stem, which has proven effective with almost any style bullet.
- **Bullet Alignment**: The bullet should be able to rock in the stem, allowing it to center off the case neck.
- **Caliber Variants**: For smaller variants of a caliber (e.g., 6mm GT to 22 GT), only a smaller stem is needed. Note that this only applies to reducing bullet size.
- **Multi-Caliber Use**: The 6.5mm stem can also be used for 25 Cal bullets since they are almost identical in size.
- **Neck Tension and Bullet Voids**: High neck tension or bullets with voids between the tip and the core (e.g., A-tips, ELDs) may cause the stem to press into the bullet and leave a mark. We recommend reducing neck tension to eliminate this issue.
- **Virgin Brass Issues**: Some virgin brass cases have tight necks that may cause inconsistent seating on the first load, potentially indenting the jacket

with the stem. Running an expander mandrel through the necks will fix this issue.

- **Die Setting**: Set the die in the press in the same manner as a sizing die. However, the seater should not bump the shoulder, but merely make contact.

# Disclaimer

This FAQ on the Micron Precision Dies Series is subject to change as new questions arise. Please check back often for updated information.