



Redding Reloading Equipment Cortland, NY 13045.

www.redding-reloading.com techline@redding-reloading.com 607-753-3331

Case Forming Instructions

6MM PPC From 7.62 MM X 39 Brass

Dies Required:

1. 6MM PPC Form #1 Die (Part # 90319)
2. 6MM PPC Form & Trim Die (Part # 83319)
3. 6MM PPC F.L. Die Set (Part #80319)

* Shellholder #12 is required (Part # 11012)

Brass Required:

6MM PPC cases may be made by necking and reforming 7.63MM X 39 brass. It is desirable to use new unfired brass for forming. As it has not yet been work hardened by repeated firings, it is softer and easier to work.

There is always a potential problem when case forming from one caliber down to another. **The neck thickness increases.** You should be aware of this problem and its potential dangers. You will encounter this problem when making 6MM PPC cases from 7.62MM X39 brass. Reaming of the case necks is an absolute necessity in the order produce cases that will chamber and function safely.

We recommend inside reaming of the case necks after the use of the Form #1 Die. Thinning the case necks at a large diameter than the final size helps eliminate the "donut" where the thinning stops because further neck diameter reduction puts this point in the case shoulder.

For tight necked "Benchrest" chambers additional material may be removed by outside turning either after inside reaming or after processing through the full-length size die at 6MM.

Sequence:

1. 6MM PPC Form #1 Die – Adjust die tightly against the shellholder
2. Inside ream using a Forster 6.5MM Reamer
 - a. Optional: Outside neck turn after reaming if desired or necessary for tight necked chambers
3. 6MM PPC Trim Die- Functions as Form #2. File off any excess and deburr
4. Final resize using the Standard F.L Sizing Die
 - a. Optional: Outside neck turn if desired or necessary for tight necked chambers

Note:

Since the 6MM PPC was a “wildcat” cartridge before the adoption of the 6MM PPC USA standards, many variations exist in chamber sizes. Particularly in the neck diameter. As a result, only you and your gunsmith can properly fit brass to your chamber. The following caution applied to all such “wildcat” cartridges.

Caution:

A note of caution applies to “wildcat” cartridges and all case forming operations. **WATCH THE NECK DIAMETER.** If insufficient space is available in your chamber to allow the case necks to “open up” and release the bullet, very dangerous pressures can result. **Any difficulty in chambering is a caution flag.**

If possible, compare the neck diameter measurements of a previously fired case from your chamber with those of a loaded round. The neck diameter of the fired case should be a minimum of .003” larger than the unfired one. If in doubt, consult a competent gunsmith.

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

Email: techline@redding-reloading.com

Phone: (607) 753- 3331

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.