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Accuracy . Quality . Innovation
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Tips for Re-loading the Ross Precision Manufacturing, Inc. Action

Here are some things you should know about re-loading that are particular to the Ross Precision Manufacturing, Inc. actions:

1. This is a sturdy action. With sensible use and care, it will be something you can pass on to your grandchildren someday. Trust me, it will become a collector's item.
2. This does not mean, however, that you can put unsafe, experimental loaded cases into the chamber and fire them without occasional consequences.
3. In determining a max-safe load, most re-loaders look for evidence of primer cratering as evidence of a load that's too hot. In the Ross Precision Manufacturing, Inc. action, such evidence will be negligible due to the small firing pin and hole in the bolt face.
4. What you will probably notice first is that the bolt will be "sticky" on opening after a round has been fired. When it happens, it means that the web (base) of the case has expanded, gripping the side of the chamber. The case is no longer usable. Throw it away and disassemble any more rounds you may have put together before firing them.
5. If you really screw the pooch with too much of the wrong powder for example, escaping gas from a punctured primer may be sufficient to blow the extractor out of its retention pocket. This may keep the bolt from opening with the extractor parts caught between the lugs.
6. In the same scenario, another possibility is that you will fracture the tip of the firing pin. In either case, I would prefer that you remove the barrel and return the action for repair.
7. With the barreled action you received, you will notice that I have included either a sample dummy round or a small barrel section with a partial chamber cut into it. Use these as a reference for bullet seating.
8. If you get a dummy round, it is because you specified a particular bullet you intended to use. The depth the bullet is seated puts the bullet exactly on the lands in your chamber.

9. With the barrel section, you can see what's going on with a selection of different bullets. The way I use it is to seat a bullet into a case, put it into the partial chamber and twist it lightly. The presence or absence of a ring on the bullet will tell you whether you are on or off the lands. Keep adjusting your bullet seater until the ring is just barely visible and then save that cartridge as your reference point for that type of bullet.
10. On the bottom of the barrel, you will note that I have engraved some data pertinent to the barrel and chamber. The most important is the neck diameter. Always measure the neck diameter of ALL your loaded cases at least once. If the diameter of the case is not at least 0.003 less than what is indicated on the barrel, don't fire it. Fix it.
11. So far as I know, not one of the Ross Precision Manufacturing, Inc. actions has failed, except from improper and/or careless re-loading. Such instances are few and far between, but at any number would be too many. For Heaven's sake, THINK! Measure twice and shoot once, SAFELY.