50 BROWNING MACHINE GUN

Bullet Diameter

Maximum Trim Length

Maximum Overall Length

EXTRA LARGE RIFLE PRIMERS

BUCKLED SHOULDERS
If your Collet Die buckles the case shoulder, it is due to the collet being closed and the case cannot enter. This is caused by closing the press without a case in the die and/or the die adjusted too deeply. Remove the collet from the die and spring it open. It is best done by pushing a tapered drift punch into the collet neck. If none available, use the round shank of a Phillips head screwdriver to pry the collet open. Cases that have been excessively annealed into the shoulder area may buckle even though the collet is open.

FACTORY CRIMP™ DIE (NOT INCLUDED) ORDER #90953
Screw the Lee Factory Crimp die in to touch the shell holder, plus ½ turn more. Adjust in for a heavier crimp. Bullets do not need a crimp groove, as the Lee Factory crimp will form one while crimping. Be sure to press hard enough at the presses end of stroke to properly form a crimp.
Ammunition reloading can be dangerous if done improperly and should not be attempted by persons not willing and able to read and follow instructions exactly. Children should not be permitted to reload ammunition without strict parental supervision. Always wear safety glasses when reloading and shooting. Ammunition loaded with these tools and data should only be used in modern guns in good condition. We do not accept responsibility for ammunition loaded with these tools or data as we have no control over the manufacture and storage of components or the loading procedure and techniques. Primers and gun powders, like gasoline and matches, can be dangerous if improperly handled or misused.

**50 BMG COLLET DIES**

**CAUTION**

Inspect your cases to be sure they are safe for reloading. Cases with a split or signs of head separation should be discarded. It's even a good idea to flatten them with a hammer so there is no chance they will ever be used by accident, as they are a hazard.

**OPTION**

Clean cases are easier to inspect. Cases can be decapped, cleaned, trimmed, chamfered, neck reamed or turned and primer pockets cleaned. For best accuracy, keep your cases sorted by brand and lot. Some shooters even sort by weight to insure uniform wall thickness and case capacity. Check for off center or mis-shaped flash holes. Maximum accuracy is obtained with cases that have dead center flash holes of a uniform size.

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**COLLET SIZER ADJUSTMENT FOR LEE PRESSES**

Screw sizing die in until it contacts shell holder, plus one more turn. Run a case into die. You will feel the primer being extracted, then the lever will come to an abrupt stop. At this point, the lever must be pushed firmly (min. 25 lbs.) to close the collet and size the neck. Extra bullet grip can be obtained by screwing the die in an additional quarter-turn.

**OPTION**

Even greater accuracy can be obtained by rotating the case one-half turn and sizing the case a second time.

**CHECK YOUR CASE LENGTH**

After firing and resizing cases will grow in length. This could be dangerous if the case were so long that it would pinch the bullet in the end of the chamber. Pressure high enough to damage the gun could result. The simplest way to check the case and trim if necessary is with the LEE CASE TRIMMER. Order #90010. Requires Large Cutter #90401

**CHARGING THE CASE**

Charge the case with loads selected from the chart on reverse side or other reliable source. Maximum charges must be weighed. You may work up to the NEVER EXCEED LOADS gradually, provided you know how to watch for excess pressure signs.

**YOU ARE RESPONSIBLE FOR THE SAFETY OF YOUR LOADS**

**START GRAINS**

This is the maximum starting charge.

**VOLUME CC**

This is the volume per cubic centimeter of the START GRAIN CHARGE. Confirm this charge with a scale.

**VELOCITY**

Listed velocity is for NEVER EXCEED GRAINS.

**CAUTION:** THESE LOADS ARE FOR STANDARD BORE AND GROOVE DIMENSIONS. USE IN SMALL BORE AND GROOVE RIFLES WILL CAUSE EXCESS PRESSURE.

**PRIME**

Prime the case according to instructions supplied with your press. For maximum accuracy, speed and convenience, we suggest use of the LEE 50 BMG RAM PRIME. # 90901

**BULLET SEATING**

Screw the bullet-seating die in until you feel it touch the case mouth. If no crimp is desired finger tighten the lock ring. If a crimp is desired turn the die in and additional ¼ of a turn. The bullet must have a crimp groove and the bullet must be seated so that almost the entire crimp groove is in the case for proper crimp. Bullet seating depth is controlled by simply turning the adjust screw in and out to desired depth.

**LOAD DATA ON REVERSE SIDE**

CC3843