

LEE RELOADING DIES

CAUTION

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.

1 PREPARE YOUR CASES

DISCARD CASES with defects such as split necks, indications of head separation or anything that would make them unsuitable for reloading.

2 CARBIDE FULL LENGTH SIZER



SCREW THE FULL LENGTH SIZER in until it touches the shell holder. Raise the ram; tighten the lock ring finger tight.

The decapper is retained by a collet. Should it be overstressed by an obstruction; it simply slides up without damage. To reset, loosen the decapper clamp and position the decapper flush with clamp end and retighten.

Considerable torque may be necessary. A $\frac{1}{2}$ " and $\frac{3}{4}$ " wrench are necessary.



LEE APP PRODUCT # 90933
COMPLETE WITH ALL OF THE FEED TUBES, TUBE SUPPORTS, RISERS AND CASE SLIDERS.
INCLUDES BOTTLE ADAPTER TO COLLECT SPENT PRIMERS OR SIZED BULLETS.

Fastest way to size cast bullets & more!



Size cast bullets as fast as you can pull the lever with the BREECH LOCK BULLET SIZING KIT # 91532 and diameter specific bullet sizer and punch.

LEE BREECH LOCK CHALLENGER PRESS

The "O" frame press by design is the strongest and the most popular style press by far. Large opening and long stroke handles the largest belted magnums with ease. The primer catcher is positive and routes the spent primers directly to the trash can. Priming is a dream with the Lee Lever Prime System. Best of all, it includes the Breech Lock Quick Change Die System. Change dies instantly with a twist of the wrist; you'll never have to re-adjust your die.

Other features include all steel linkage with adjustable length lever. This same press will cost you more than twice as much from other manufacturers, and that's without all of the Challenger's features. If cost is more important than convenience, you can leave the Breech Lock bushing locked in the press and screw dies in and out like any conventional press. 90588



YOU CAN change dies instantly with a twist of the wrist; you'll never have to re-adjust your die.

LEE CLASSIC TURRET PRESS A MACHINE THAT DOES IT ALL



With quality touches that make this press the finest, most convenient press to own. The Classic Turret features the solid steel linkage of the Lee Classic Cast. Your first stroke of the hardwood gripped lever will convince you this is one, solid, silky smooth press!

The rigid cast iron frame supports the ram with over 12 sq. in. of area. The industry's largest ram is drilled completely through to dispose primers in an attached PVC tube. Uses the Lee Lever Prime System · LPS and the Lee Safety Prime tool makes priming on the press a delight. 90064



INSTANT CHANGE TURRETS
Lift out the entire turret and replace with the next caliber. Dies, shell holders and primer arm all change in seconds without tools.

3 PRIME

The easiest, most convenient way to prime is with Lee Priming Tools. Never touch primers from box to shell; uses inexpensive priming tool shell holders—no need to endlessly swap between your press shell holder and your priming tool. Includes priming assemblies for large and small primers — change primer size in seconds.



The Lee Auto Bench Prime 90700

4 EXPANDER DIE



IMPORTANT! Remove any residual oil in the through hole of the expanding plug with a tissue.

Screw die in until it touches the shell holder, then back out two (2) full turns. To load the magnum, back out $1\frac{1}{4}$ turns. Finger tighten the lock ring, adjust flare to your liking; turning inward increases the flare. For maximum case life, flare only enough to easily accept a bullet. In use, the expander plug travels approximately $\frac{3}{8}$ " within the die and comes to an abrupt stop at extraction. This helps to shake the powder through. However, we recommend you check to be sure all the powder has cleared the funnel and expander plug.

Be sure to occasionally clean the bullet lube from the expander plug to prevent a powder clog.

5 CHARGE THE CASE

Select a load from the chart on the reverse side. This is the most critical decision you must make. An overcharge can blow up the gun and injure the shooter or persons nearby. It is dangerous to use a bullet of a greater weight with a charge for a lighter bullet.

Never select a load intended for a bullet lighter than you are using. Loads for a slightly heavier bullet are safe. The Lee Dipper is the safest and easiest powder measure to use. Adjustable powder measures should be double checked with a scale. Use the STARTING LOADS. You may work up to the NEVER EXCEED LOADS gradually, provided you know how to watch for pressure signs. The Lee Dipper is the safest and easiest powder measure to use. For the ultimate in speed, convenience and versatility, consider the Lee Auto-Drum Powder Measure.



CAUTION After charging the case, the only operation that should be done is to seat the bullet. Never try to seat a primer after powder has been added.

6 BULLET SEATING DIE



BULLET SEATING DIE

Raise the ram to the top of its stroke and hold. Screw the bullet seating die in until it touches the shell holder — then back it out three (3) full turns. For magnum cases, back out the bullet seating die an additional $1\frac{1}{4}$ turns. Lightly finger tighten the lock ring. Bullet depth is adjusted by screwing the adjusting screw in or out to suit.

Bullets should be seated deep enough to work through the gun's action. See MAXIMUM OVERALL LENGTH on charge table. If a crimp is desired, screw the die in slightly and test until the proper crimp is formed. Cases must be trimmed to the same length to provide a uniform crimp. Excessive crimp causes the bullet seater to deform soft nose bullets.

Your die set includes the LEE BULLET FEED AND SEAT DIE for use with the Lee Automatic Bullet Feeder. It has a 45° chamfer to allow for the mechanical feed fingers and improved operator clearance.

CAUTION Seating bullets excessively deep will reduce the case capacity and increase the pressure. It is extremely important that full wadcutter bullets be used with light loads only. You can select these by their reduced velocity.

LEE AUTOMATIC BULLET FEEDER
FOR LEE PROGRESSIVE PRESSES



AUTO-DRUM POWDER MEASURE 90811
Automated case actuated drum powder measure. Accurately and automatically dispenses powder in your favorite cartridge. 2 infinitely adjustable drums included. These Quick Change Drums will accurately and reliably drop charges from 1 to 80 grains of powder.



7 CARBIDE FACTORY CRIMP™ DIE [OPTIONAL]

FOR HANDGUN AMMUNITION THAT MUST WORK

A carbide sizer sizes the cartridge while it is being crimped so every round will positively chamber freely with factory-like dependability. The adjusting screw quickly and easily sets the desired amount of crimp. It is impossible to buckle the case as with a conventional bullet seating die. Trim length is not critical so this extra operation takes less time than it would if cases were trimmed and chamfered. Revolver dies roll crimp with no limit as to the amount. A perfect taper crimp is applied to auto-loader rounds. The crimper cannot be misadjusted to make a case mouth too small to properly head-space. A firm crimp is essential for dependable and accurate ammunition. It will eliminate the problems of poor ignition of slow burning magnum powders.

FACTORY CRIMP IS A TRADEMARK OF LEE PRECISION, INC.

For a complete catalog, send your name and address



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The Bullet Seating die is equipped with a floating bullet seating plug for maximum accuracy. It is designed to seat all shapes of bullets with minimum deformation. If you attempt to compress the charge, it may deform the bullet an objectionable amount. It will be necessary to modify the bullet seating punch to fit the bullet. If unable to do it yourself or have it done locally, we can do it for you. Send \$14.00 [\$8.00 for plug + \$6.00 shipping] along with a sample bullet; order "Custom Seating Plug for Sample Bullet".