

# COMPLETE INSTRUCTIONS FOR 3-DIE SETS LEE RELOADING DIES

## CAUTION

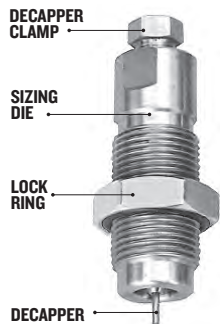
Ammunition reloading can be dangerous if done improperly and should not be attempted by persons not willing and able to read and follow instructions exactly. Children should not be permitted to reload ammunition without strict parental supervision. Always wear safety glasses when reloading and shooting. 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. If you don't have the carbide sizer, this is a good time to lube your cases. Use your fingers to wipe it on and wipe off any grit which may be on the case. Use the lube very sparingly. You can even thin LEE LUBE with four (4) parts of water for greater economy. If thinned with water, let dry before sizing. There is no need to remove LEE LUBE after reloading.

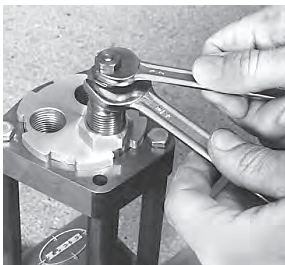


**CARBIDE SIZING DIES NEED NO LUBRICATION**  
Because the carbide is so hard, no lubrication is required on the case.

- 2 FULL LENGTH SIZER** Screw the full length sizer in until it touches the shell holder and 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 1/2" and 3/4" wrench are necessary.



**CAUTION** If using a steel sizer, be sure to lubricate your cases. Without lubrication, your die will be damaged and the case may become stuck in the die.



- 3 POWDER FUNNEL (NOT INCLUDED)**



**EXPANDER DIE** Screw the die in until it touches the shell holder, then back out one full turn. Finger tighten the lock ring, adjust the 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 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.



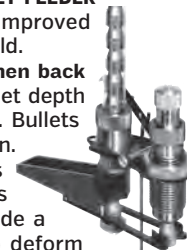
- 4 CHARGE THE CASE** Select a load from the chart on the reverse side. This is the most critical decision you must make. An overcharge can blow up the gun and injure the shooter or persons nearby. It is dangerous to use a bullet of a greater weight with a charge for a lighter bullet. Never select a load intended for a bullet lighter than you are using. Loads for a slightly heavier bullet are safe. Always start with 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-Disk Powder Measure.

**CAUTION** Never try to seat primer deeper after powder has been added.



The Bullet Seating die is equipped with a floating bullet seating punch 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 along with a sample bullet, and order "Custom Seater Plug for Sample Bullet" [\$8.00 for bullet + \$6.00 shipping]

- 5 BULLET SEATING DIE** Die set includes the LEE BULLET SEAT AND FEED DIE for use with the LEE AUTOMATIC BULLET FEEDER. A 45° chamfer allows for the mechanical feed fingers and improved operator clearance. Raise the ram to the top of its stroke and hold. Screw bullet seating die in until it touches the shell holder, then back it out three full 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 crimp is desired, screw die in slightly and test until 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. **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.



### TAPER CRIMP DIE [INCLUDED INSIDE SOME DIE SETS]

TAPER CRIMP DIES are used to crimp the bullet in place after it's been seated with your regular bullet seating die, which should be adjusted to seat the bullet to desired depth without any crimp.

- ▶ Adjust the taper crimp die until it touches the case mouth and then turn it in 1/2 turn more. Fine adjust to suit and finger tighten the lock ring.
- ▶ When removing the die from the press, always loosen the lock ring. This insures the lock ring will maintain its setting.

### FOR HANDGUN AMMUNITION THAT MUST WORK CARBIDE FACTORY CRIMP DIE [OPTIONAL]

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.



## THE LEE GUARANTEE

LEE RELOADING PRODUCTS are guaranteed not to wear out or break from normal use for two full years or they will be repaired or replaced at no charge if returned to the factory. Any Lee product of current manufacture, regardless of age or condition, will be reconditioned to new, including a new guarantee, if returned to the factory with payment equal to half the current retail price.

# LEE

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