The best and way of getting cases is to simply save those from your factory loaded rounds. New and used cases can also be purchased. Cases must be clean and safe. Do not use cases that have cracks or splits. If they have been used more than twice, they should be checked to see that none of them have become too long for safe use. The easiest way is to trim them with a Lee Case Trimmer. This automatically cuts them to the correct length and no gauging or measuring is needed. After trimming, be sure to chamfer both the inside and outside of the case. A Lee Chamfer Tool works best, but it can be done with a pocket knife.

Straight sided cases, such as those used by most handguns, are loaded with a 3-die set.

# MILITARY CASES
Used military cases are readily available at low cost. Usually, these have primers that are crimped in place. This is to prevent the primer from coming loose in automatic weapons and jamming the action at an inopportune time. The crimp must be removed before repriming. This can be done with a primer pocket reamer or swaging tool. Even a Lee Chamfer Tool can be used to remove the crimp.

# POWDER
Powder is usually classified as smokeless and black powder. There is also Pyrodex, which is a substitute for black powder. We will be using only smokeless powder for reloading.

Each set of Lee Dies is supplied with powder measure and charge table with a generous selection of loads. Additional load data is available from all the powder manufacturers and bullet makers. This is excellent information and should be followed exactly.

Different powders are available to do different jobs. Bullets having a high sectional density (long weight in relation to their diameter) require a slow burning powder. This permits sustained peak pressure to gain maximum velocity and acceleration within working pressure limits. Short, light bullets use quicker burning powder for complete combustion within the barrel.

A wide selection of powder is readily available.

Powe should always be stored in their original containers. While smokeless powder is not an explosive and not as dangerous to handle as gasoline, it would be foolish to handle it carelessly and store excessive amounts. Follow powder manufacturers’ recommendations for storage and use.

# PRIMERS
Rifle and pistol cartridges require different primers. Rifle primers have a thick and stronger cup to withstand the high pressure. Pistol primers have a thinner cup for easy detonation with a lighter hammer blow. Both rifle and pistol primers are available in regular and magnum.

Use for regular loads except if the load data specifies magnum primers. Primers must always be stored in their original containers. It is always a wise idea to wear safety glasses or shooting glasses when shooting or reloading.

# BULLETS
Commercial rifle bullets usually have a soft lead core with a copper jacket. Point shapes come in a variety of styles, but usually some soft lead exposed to properly mushroom on impact.

The jacket serves a dual purpose: to control the bullet expansion and act as a bearing surface for its high speed travel down the bore. Some bullets have a crimping groove called a cannelure. This groove must be seated almost entirely in the case when crimping the case. The very end of the case mouth is turned into this groove by the bullet seating die used in a tubular magazine gun and most revolver ammunition.

Commercial Cases used for hunting should always be cast bullets. Those used by the factory are crimped in place, as should ammunition used in tubular magazine and auto-loading rifles. It can ruin your hunt if a bullet crimped in the chamber or pushed back into the barrel. Pressure high enough to damage the gun could result. A convenient way to trim to the correct safe length is with the LEE QUICK TRIM CASE TRIMMER, install the appropriate Quick Trim Case Trimmer.

The easiest and best way of getting cases is to trim them is with a Lee Case Trimmer. This can be done with a primer pocket reamer or swaging tool. Even a Lee Chamfer Tool can be used to remove the crimp.

Lee Deluxe Quick Trim

Case Trimmer #90437

After a few loadings, cases tend to get longer. 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. A convenient way to trim to the correct safe length is with the LEE QUICK TRIM CASE TRIMMER, install the appropriate Quick Trim Die and 5 quick turns of the crank will yield a perfectly trimmed and chambered case.

Lee Safety Powder Scale

It is the easiest to use, most accurate and sensitive powder scale made exclusively to weigh gun powder. The Lee Safety Scale has magnetic dampening and an approach to weight lifter accuracy for as long as it is not physically broken.

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.

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 kerosene, can be dangerous if improperly handled or missed.
BEFORE YOU START RELOADING
SETTING UP YOUR LEE BREECH LOCK RELOADER PRESS

ATTACH your press with (3) 1/4” bolts. Use "T" nut for quick removal to empty spent primers. NOTE: You may drill a hole through the bench and catch the primers in a container below.

YOU CAN MAKE your own easy-to-empty spent primer reservoir.

YOU CAN NOW BEGIN RELOADING

INSTALL SHELLHOLDER

INSTALL SIZING DIE

PRIME your case with one of the optional priming tools. Follow instructions included with the tool.

PREPARE YOUR CASES

INSTALLING SHELLHOLDER

INSTALL SIZING DIE

FLARE CASE MOUTH

CHARGE THE CASE

IF LOADING

CASE IS ZONED TO INITIAL DIMENSIONS. THE SPENT PRIMER IS REMOVED.

INSTALL SHELLHOLDER

INSTALL SIZING DIE

FLARE CASE MOUTH

CHARGE THE CASE

IF LOADING

CASE IS ZONED TO INITIAL DIMENSIONS. THE SPENT PRIMER IS REMOVED.

INSTALL SHELLHOLDER

INSTALL SIZING DIE

FLARE CASE MOUTH

CHARGE THE CASE

IF LOADING

 Case is resized to original dimensions and the spent primer is removed.

 Install a new primer.

 Add a charge of powder.

 Seat a new bullet and crimp if desired.

 Add powder.

 Seat a new bullet.

 To remove quick-change bushing, rotate the die 1/6 of a turn counterclockwise, lift out.

 Add a charge of powder. Install a new primer.

 Prepare the case mouth. Raise the ram to expand the case neck. To increase the flare, screw the die in deeper. Always adjust to provide the minimum flare needed to start the bullet. After proper adjustment, tighten the lock ring. Powder may be added through Lee Expanding Die.

 To prime your case with one of the optional priming tools. Follow instructions included with the tool.

 Use "T" nut for quick removal to empty spent primers. Perfect for those that clean primer pockets or prefer to prime in their easy chair. No need to endlessly swap shell holders from your press.

 Hand held and requires special, but inexpensive shell holders.

 LEAD WARNING

 PRIME your case with one of the optional priming tools. Follow instructions included with the tool.

 New Auto-Prime

 It’s the fastest, most convenient way to prime cases off the press.

 Perfect for those that clean primer pockets or prefer to prime in their easy chair. No need to endlessly swap shell holders from your press.

 Hand held and requires special, but inexpensive shell holders.

 RELOADING SAFETY

 Keep powder away from heat and open flames — Don’t smoke

 Store powder and primers in their original containers in a cool, dry place

 Read and follow instructions exactly

 Be sure you have the correct powder, measure and bullet of the correct weight

 Any misup can be dangerous

 Exercise care and common sense at all times

 WEAR SAFETY GLASSES WHEN RELOADING OR SHOOTING

 LEAD WARNING

 Primers contain lead: a substance known to cause birth defects, reproductive harm, and other serious physical injury. Wash hands after exposure.

 IF LOADING

 Maximum loads. It is a good practice to remove all traces of case lubricant with detergent and water. This will reduce pressure against the bolt.

 LEA M A R C H

 Place a bullet on the case mouth and guide it into the die. Raise the ram to the top and withdraw. The knurled adjusting screw controls the bullet seating depth. Adjust to suit. Usually, seating to the same depth as a factory round works fine. If you desire to crimp, be sure the bullet crimp groove is almost completely inside the case. Then screw the die in just enough to apply a good crimp. Attempts to apply excessive crimp will crush the case. For proper crimp, all cases must be trimmed to the same length. For best utility and accuracy, consider the Lee Factory Crimp Die. You will never crush a case; no crimp grooves in required and trim length is not critical.

 PRIME

 Secure case neck with a cotton swab.

 Be sure to lube the inside of the case neck with a cotton swab.

 Be careful not to contaminate the powder or primers. All other brands are oil based and have serious, detrimental effects on the die. Lee Resizing Lubricant costs less and is so superior that it is worth the effort to insist upon it or order direct from the factory.

 INSTALL SHELLHOLDER

 Install a new primer.

 Add a charge of powder.

 Seat a new bullet and crimp if desired.

 Add powder.

 Seat a new bullet.

 To remove quick-change bushing, rotate the die 1/6 of a turn counterclockwise, lift out.

 Add a charge of powder. Install a new primer.

 Prepare the case mouth. Raise the ram to expand the case neck. To increase the flare, screw the die in deeper. Always adjust to provide the minimum flare needed to start the bullet. After proper adjustment, tighten the lock ring. Powder may be added through Lee Expanding Die.

 To prime your case with one of the optional priming tools. Follow instructions included with the tool.

 New Auto-Prime

 It’s the fastest, most convenient way to prime cases off the press.

 Perfect for those that clean primer pockets or prefer to prime in their easy chair. No need to endlessly swap shell holders from your press.

 Hand held and requires special, but inexpensive shell holders.

 LEAD WARNING

 Primers contain lead: a substance known to cause birth defects, reproductive harm, and other serious physical injury. Wash hands after exposure.

 IF LOADING

 Maximum loads. It is a good practice to remove all traces of case lubricant with detergent and water. This will reduce pressure against the bolt.

 LEA M A R C H

 Place a bullet on the case mouth and guide it into the die. Raise the ram to the top and withdraw. The knurled adjusting screw controls the bullet seating depth. Adjust to suit. Usually, seating to the same depth as a factory round works fine. If you desire to crimp, be sure the bullet crimp groove is almost completely inside the case. Then screw the die in just enough to apply a good crimp. Attempts to apply excessive crimp will crush the case. For proper crimp, all cases must be trimmed to the same length. For best utility and accuracy, consider the Lee Factory Crimp Die. You will never crush a case; no crimp grooves in required and trim length is not critical.

 PRIME

 Secure case neck with a cotton swab.

 Be sure to lube the inside of the case neck with a cotton swab.

 Be careful not to contaminate the powder or primers. All other brands are oil based and have serious, detrimental effects on the die. Lee Resizing Lubricant costs less and is so superior that it is worth the effort to insist upon it or order direct from the factory.

 INSTALL SHELLHOLDER

 Install a new primer.

 Add a charge of powder.

 Seat a new bullet and crimp if desired.

 Add powder.

 Seat a new bullet.

 To remove quick-change bushing, rotate the die 1/6 of a turn counterclockwise, lift out.

 Add a charge of powder. Install a new primer.

 Prepare the case mouth. Raise the ram to expand the case neck. To increase the flare, screw the die in deeper. Always adjust to provide the minimum flare needed to start the bullet. After proper adjustment, tighten the lock ring. Powder may be added through Lee Expanding Die.

 To prime your case with one of the optional priming tools. Follow instructions included with the tool.

 New Auto-Prime

 It’s the fastest, most convenient way to prime cases off the press.

 Perfect for those that clean primer pockets or prefer to prime in their easy chair. No need to endlessly swap shell holders from your press.

 Hand held and requires special, but inexpensive shell holders.

 LEAD WARNING

 Primers contain lead: a substance known to cause birth defects, reproductive harm, and other serious physical injury. Wash hands after exposure.

 IF LOADING

 Maximum loads. It is a good practice to remove all traces of case lubricant with detergent and water. This will reduce pressure against the bolt.

 LEA M A R C H

 Place a bullet on the case mouth and guide it into the die. Raise the ram to the top and withdraw. The knurled adjusting screw controls the bullet seating depth. Adjust to suit. Usually, seating to the same depth as a factory round works fine. If you desire to crimp, be sure the bullet crimp groove is almost completely inside the case. Then screw the die in just enough to apply a good crimp. Attempts to apply excessive crimp will crush the case. For proper crimp, all cases must be trimmed to the same length. For best utility and accuracy, consider the Lee Factory Crimp Die. You will never crush a case; no crimp grooves in required and trim length is not critical.

 PRIME

 Secure case neck with a cotton swab.

 Be sure to lube the inside of the case neck with a cotton swab.

 Be careful not to contaminate the powder or primers. All other brands are oil based and have serious, detrimental effects on the die. Lee Resizing Lubricant costs less and is so superior that it is worth the effort to insist upon it or order direct from the factory.

 INSTALL SHELLHOLDER

 Install a new primer.

 Add a charge of powder.

 Seat a new bullet and crimp if desired.

 Add powder.

 Seat a new bullet.

 To remove quick-change bushing, rotate the die 1/6 of a turn counterclockwise, lift out.

 Add a charge of powder. Install a new primer.

 Prepare the case mouth. Raise the ram to expand the case neck. To increase the flare, screw the die in deeper. Always adjust to provide the minimum flare needed to start the bullet. After proper adjustment, tighten the lock ring. Powder may be added through Lee Expanding Die.

 To prime your case with one of the optional priming tools. Follow instructions included with the tool.

 New Auto-Prime

 It’s the fastest, most convenient way to prime cases off the press.

 Perfect for those that clean primer pockets or prefer to prime in their easy chair. No need to endlessly swap shell holders from your press.

 Hand held and requires special, but inexpensive shell holders.

 LEAD WARNING

 Primers contain lead: a substance known to cause birth defects, reproductive harm, and other serious physical injury. Wash hands after exposure.

 IF LOADING

 Maximum loads. It is a good practice to remove all traces of case lubricant with detergent and water. This will reduce pressure against the bolt.