

# LEE RELOADING DIES

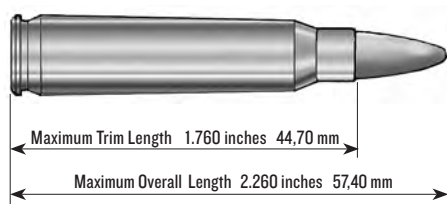
## The Lee Guarantee

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 LOAD-MASTER DIES

REQUIRE LUBRICATION

### 223 REMINGTON



SMALL RIFLE PRIMERS | BULLET DIAMETER .224 in 5,69 mm

BE SURE TO TRIM YOUR BRASS Case Length Gauge #90114 Rifle Quick Trim Die #90179

### GUARANTEED ACCURACY OR YOUR MONEY BACK

LM3559

LEE LOAD-MASTER DIES  
223 REMINGTON



COMPLETE LOAD DATA

FULL LENGTH SIZING DIE

QUICK-TRIM DIE

EASY ADJUST DEAD LENGTH  
BULLET SEATING DIE

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

Be certain you completely understand use of this data and your tools

**START GRAINS** This is the maximum starting load.

**VOLUME CC** This is the volume per cubic centimeter of the START GRAINS charge for use with a Lee Perfect Powder Measure. Check with a scale to be sure the setting is correct.

**AUTO DISK** This is the largest cavity to be used with the Lee Auto-Disk Powder Measure.

**DIPPER** This is the largest usable Lee Dipper. The dipper must be filled and struck level. Be sure you use the correct dipper.

**NEVER EXCEED GRAINS** These must be weighed. DO NOT EXCEED.

**VELOCITY** Listed velocity is for NEVER EXCEED GRAINS

$$\text{VELOCITY FOR OTHER CHARGES} = \frac{\text{CHARGE IN GRAINS}}{\text{NEVER EXCEED GRAINS}} \times \text{VELOCITY}$$

**MINIMUM OAL** This is the shortest, SAFE OVER ALL LENGTH to be used with NEVER EXCEED LOADS. Seating bullets deeper will cause higher, possibly dangerous pressures.

If you cannot find a charge for the exact weight bullet you have selected, use the data for the next heavier bullet. The velocity will be about the same and the pressure will be less. Powder manufacturers recommend you start with the STARTING LOADS and work up to the NEVER EXCEED LOADS.

Detailed information is available from all powder manufacturers.

Load data available in Modern Reloading

# LEE RELOADING DIES

## COMPLETE INSTRUCTIONS

### 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.

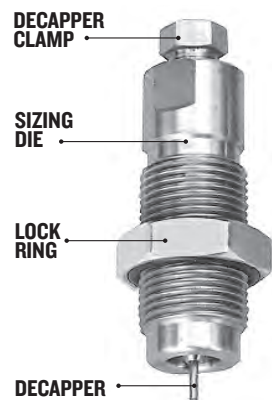
1

**PREPARE YOUR CASES** Discard cases with defects such as, split necks, indications of head separation or anything that would make them unsuitable for reloading. Lube your cases. Use your fingers to wipe it on and wipe off any grit which may be on the case. Use lube very sparingly. You can even thin Lee Lube with four (4) parts water for greater economy. If thinned with water, let the case dry before sizing. There is no need to remove Lee Lube after reloading.



2

### FULL LENGTH SIZER



Screw the full length sizer in until it touches the shell plate, 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 needed.

**Caution** If using a steel sizer, be sure to lubricate your cases. Without lubrication, the die will be damaged and the case may be stuck in the die. If this happens — **loosen, but do not remove** the decapper clamp with a 3/4" and 1/2" wrench. Use a 3/16" drift punch and large hammer (1-lb. or larger) to tap on the decapper rod and drive the stuck case free. Lee Precision will remove a stuck case for \$6.00.



3

### QUICK TRIM DIE

Install Quick Trim body into station #2, as an alignment die. This provides excellent alignment of the case for priming. This die is not recommended for trimming on the Load-Master, but it can be removed and installed on a single station or turret press for use with our QUICK-TRIM SYSTEM.



4

### SHORT CHARGING DIE

Screw the short charging die body onto the Auto-Drum Powder Measure, making sure the actuator/drop tube is inside. Adjust the measure with empty case in the shell plate and ram fully raised. Screw unit into the press just enough to fully move the disk or drum to the dump position.

**IMPORTANT** Remove any residual oil in the through hole of the expanding plus with a tissue.



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. 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.

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

### LEE AUTO-DRUM POWDER MEASURE

Automated Case Activated Drum Powder Measure accurately and automatically dispenses powder in your favorite cartridge.



6

### EASY ADJUST DEAD LENGTH BULLET SEATING DIE

THIS DIE DOES NOT CRIMP

Simply screw the die in until it touches the shell holder, plus an additional 1/4 turn and finger tighten the lock ring. Bullet seating depth is controlled by the adjusting screw. Rotate the adjusting screw clockwise to seat the bullet deeper and counterclockwise for a longer overall length. Bullet seating depth plays an important role in accuracy. Many shooters prefer to seat the bullet .020 to .030 inches away from the rifling. Others prefer that it just touch the rifling. Only you can determine which produces the best accuracy.

**Caution: Never seat bullets deeper than the minimum overall length listed by reliable load data sources.**

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"



### FACTORY CRIMP DIE

SOLD SEPARATELY #90817

A must for semi-auto users. The Lee Factory Crimp Die crimps the bullet in place more firmly than any other tool. Tests demonstrate that even bullets which have no cannelure will shoot more accurately if crimped in place with the Lee Factory Crimp Die.



For a complete catalog, send your name and address

**LEE**

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