

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [Lee Precision](#) /
- › [Lee Precision 91455 8mm Lebel Seat Die Instruction Manual](#)

Lee Precision 91455

Lee Precision 91455 8mm Lebel Seat Die

INSTRUCTION MANUAL

Brand: Lee Precision | Model: 91455

1. Product Overview

The Lee Precision 91455 Seat Die is a specialized component designed for reloading 8mm Lebel ammunition. This die is engineered for precise bullet seating and is a durable, long-lasting tool for reloaders. It functions solely as a bullet seating die and does not perform crimping. For proper ammunition production, a separate factory crimp die is required.



Figure 1: Lee Precision 91455 8mm Lebel Seat Die. This image displays the complete die assembly, featuring a knurled adjustment knob at the top, the main body with the "LEE" engraving, and threaded base for press mounting.

2. Setup and Installation

- 1. Prepare Your Reloading Press:** Ensure your reloading press is clean and properly mounted to a sturdy workbench.
- 2. Install the Die:** Thread the Lee Precision 91455 Seat Die into the appropriate station on your reloading press. Hand-tighten the die until it is snug.
- 3. Adjust for Shell Holder Clearance:** Lower the press ram to its highest position. Thread the die further down until it

just touches the shell holder. Back the die out approximately one full turn.

4. **Initial Bullet Seating Adjustment:** Insert a decapped, resized, and primed case into the shell holder. Place a bullet on top of the case. Raise the ram to its highest position.
5. **Set Seating Depth:** Slowly thread the seating stem (the top knurled knob) down until it makes contact with the bullet. Lower the ram and inspect the bullet seating depth. Adjust the seating stem in small increments (e.g., 1/8 to 1/4 turn) and re-seat the bullet until the desired overall cartridge length (OAL) is achieved. Refer to your reloading manual for recommended OAL for 8mm Lebel.
6. **Secure the Die:** Once the desired seating depth is set, tighten the die's lock ring against the press to secure its position.

Note: This die is for bullet seating only. A separate crimp die is required if crimping is desired for your ammunition.

3. Operating Instructions

After proper setup, operating the Lee Precision 91455 Seat Die involves a repetitive process to seat bullets consistently.

1. **Prepare Case:** Ensure your cases are resized, decapped, primed, and charged with the correct powder amount according to your reloading manual.
2. **Place Case and Bullet:** Insert a prepared case into the shell holder on your press. Place a bullet onto the mouth of the case.
3. **Seat Bullet:** Slowly raise the press ram, guiding the case and bullet into the seating die. The seating stem will push the bullet into the case to the pre-set depth.
4. **Lower Ram:** Lower the press ram to extract the seated cartridge.
5. **Inspect Cartridge:** Visually inspect each seated cartridge for correct bullet seating depth and any anomalies. Periodically measure the overall cartridge length (OAL) to ensure consistency.
6. **Repeat:** Continue this process for all cases.

Important: Always follow established reloading safety practices and consult a reputable reloading manual for specific load data and safety guidelines for 8mm Lebel ammunition.

4. Maintenance

Regular maintenance ensures the longevity and consistent performance of your Lee Precision 91455 Seat Die.

- **Cleaning:** After each reloading session, or periodically during long sessions, clean the die. Use a soft cloth or brush to remove any powder residue, bullet lube, or brass shavings. A non-corrosive solvent designed for reloading equipment can be used if necessary.
- **Lubrication:** Apply a very light coat of rust preventative oil to the exterior of the die and the seating stem. Avoid over-lubricating, especially inside the die, as this can contaminate powder or primers.
- **Storage:** Store the die in its original container or a clean, dry environment to prevent rust and damage.
- **Inspection:** Periodically inspect the die for any signs of wear, damage, or corrosion. Replace if significant wear is observed.

5. Troubleshooting

Problem	Possible Cause	Solution
---------	----------------	----------

Problem	Possible Cause	Solution
Inconsistent Seating Depth	Loose seating stem; inconsistent case length; inconsistent bullet base; debris in die.	Ensure seating stem lock ring is tight. Trim cases to uniform length. Clean the die thoroughly.
Bullet Tipping/Tilting During Seating	Bullet not properly aligned on case mouth; flared case mouth too wide or not wide enough.	Ensure bullet is centered before raising ram. Adjust case mouth flare (if using a separate flaring die) to properly support the bullet.
Scratches on Bullet	Debris inside the die; rough seating stem.	Clean the die and seating stem. Inspect seating stem for burrs and polish if necessary.

6. Specifications

Brand: Lee Precision

Model Name: Lee Precision 91455: Seat Die Only 8Mm Lebel

Part Number: 91455

Function: Bullet Seating Die (does not crimp)

Caliber: 8mm Lebel

Material: Other (typically steel)

Item Package Dimensions (L x W x H): 4.72 x 1.65 x 1.57 inches

Package Weight: 0.17 Kilograms

Manufacturer: Lee Precision

7. Warranty and Support

For specific warranty information regarding your Lee Precision 91455 Seat Die, please refer to the official Lee Precision website or contact their customer support directly. Lee Precision products are known for their durability and customer service.

Manufacturer Contact:

Brand: Lee Precision

Website: www.leeprecision.com