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Lee Precision 90780

Lee Precision Taper Crimp Die Pistol Cal 9MM User Manual

Model: 90780

INTRODUCTION

The Lee Precision Taper Crimp Die for 9MM Luger is engineered to address common crimp issues in reloading. This die is designed to apply a precise taper crimp, which is crucial for proper bullet retention and reliable feeding in semi-automatic pistols. It is particularly beneficial for reloaders using various bullet types, including jacketed, plated, and cast bullets, ensuring consistent and safe ammunition.

PRODUCT OVERVIEW



Image: The Lee Precision Taper Crimp Die, a metallic reloading component, is shown alongside its translucent orange plastic storage case. The die is designed for 9MM Luger cartridges and is essential for applying a precise taper crimp during the reloading process.

The Lee Precision Taper Crimp Die is a single die designed for 9mm Luger cartridges. It features standard 7/8 inch -14 threads, making it compatible with most reloading presses. The die comes with a durable plastic storage case for protection and organization.

Key Features:

- Hardened steel construction for durability.
- Specifically designed for 9mm Luger pistol cartridges.
- Applies a precise taper crimp, improving bullet retention and feeding.
- Compatible with standard 7/8 inch -14 threaded reloading presses.
- Includes a plastic storage case.

SETUP

Proper setup of the taper crimp die is essential for achieving consistent and reliable crimps.

1. **Prepare the Press:** Ensure your reloading press is clean and securely mounted to a sturdy workbench.
2. **Install the Die:** Screw the Lee Taper Crimp Die into the appropriate station on your reloading press. For most progressive presses, this will be the final station after bullet seating.
3. **Adjust for Shellholder:** Raise the ram to its highest position. Screw the die down until it just touches the shellholder.
4. **Set Crimp:** Lower the ram. Turn the die body down an additional 1/8 to 1/4 turn. This initial setting provides a light crimp.
5. **Test Crimp:** Insert a sized, primed, and charged case with a seated bullet into the shellholder. Cycle the press to apply the crimp.
6. **Inspect and Adjust:** Remove the crimped cartridge and inspect the crimp. The crimp should be just enough to remove the flare from the case mouth and provide sufficient bullet tension without deforming the bullet or buckling the case. Adjust the die in small increments (1/16 turn) until the desired crimp is achieved. A good taper crimp will leave the case mouth straight or with a very slight inward taper.
7. **Lock Ring:** Once the desired crimp is set, tighten the lock ring on the die to secure its position.

Important: Over-crimping can lead to reduced bullet pull, case damage, and increased chamber pressure. Always start with a light crimp and increase gradually.

OPERATING INSTRUCTIONS

The Lee Taper Crimp Die is used as the final step in the reloading process, after the bullet has been seated.

1. Ensure the die is properly set up as described in the "Setup" section.
2. Place a cartridge (with a sized, primed, charged case and seated bullet) into the shellholder at the crimping station of your press.
3. Operate the press handle to raise the ram, pushing the cartridge into the die. The die will apply a taper crimp to the case mouth.
4. Lower the ram and remove the crimped cartridge.
5. Periodically inspect crimped cartridges for consistency and proper crimp.

The purpose of the taper crimp is to remove the flare from the case mouth that was created during the belling step and to provide sufficient neck tension to hold the bullet securely. It does not "crimp" into a cannelure like a roll crimp.

MAINTENANCE

Regular maintenance will ensure the longevity and optimal performance of your Lee Taper Crimp Die.

- **Cleaning:** After each reloading session, wipe down the die with a clean cloth to remove any powder residue or lubricant.
- **Lubrication:** Periodically apply a light coat of rust preventative oil to the exterior of the die and threads to prevent corrosion. Avoid getting oil inside the die where it could contaminate powder or primers.
- **Storage:** Store the die in its original plastic case in a dry environment to protect it from dust and moisture.
- **Inspection:** Before each use, inspect the die for any signs of wear, damage, or corrosion.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Bullet setback / Loose bullet	Insufficient crimp or neck tension.	Increase the crimp slightly by turning the die body down in small increments. Ensure proper case sizing for adequate neck tension.
Failure to feed (FTF) in firearm	Case mouth not sufficiently crimped, or over-crimped causing case buckling.	Adjust crimp to ensure the case mouth is straight and flare is removed. Check for case buckling if over-crimped. Ensure overall cartridge length (OAL) is within specifications.
Case mouth deformed or buckled	Excessive crimp applied.	Reduce the crimp by turning the die body up in small increments. The crimp should only remove the case mouth flare.
Die sticking or difficult to adjust	Lack of lubrication or residue buildup.	Clean the die thoroughly and apply a light coat of rust preventative oil to the threads and exterior.

SPECIFICATIONS

Cartridge	9mm Luger
Die Type	Taper Crimp Die
Threads	7/8 inch -14
Included Components	Die, storage box
Item Weight	0.28 Pounds (approx. 0.13 kg)
Item Dimensions (LxWxH)	5 x 2 x 2 inches (approx. 12.7 x 5.08 x 5.08 cm)
Model Number	90780
Brand	Lee Precision

SAFETY INFORMATION

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Always handle reloading components and equipment in a well-ventilated area. Wash hands thoroughly after handling.

Always wear appropriate safety glasses when reloading. Follow all safety guidelines provided by your reloading press manufacturer and component suppliers. Keep out of reach of children.

WARRANTY AND SUPPORT

For specific warranty details and technical support regarding your Lee Precision Taper Crimp Die, please refer to the official Lee Precision website or contact their customer service directly. Warranty terms and conditions may vary.
[Visit Lee Precision Official Website](#)

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