
Hornady
AMERICAN
SERIES™
RELOADING DIES
Made in USA
GREAT DIES. GREAT VALUE.

BEFORE USING DIES

Before using your new dies, disassemble and carefully clean the inside surface of the sizing and seating dies (and the expander die if a three-die set.) We apply rust preventive oil at the factory to protect the dies during shipping and it must be ***removed before reloading.*** Any commercial solvent or cleaner, like our ONE SHOT® Gun Cleaner and Dry Lube, will suffice.

Inspect all cartridge cases and discard those with cracks, splits and other visible defects. Wipe cases clean with a soft cloth to remove grit and other foreign matter which may scratch the die. Before sizing, chamfer/deburr and lubricate the cases with lubes available from Hornady (ONE SHOT® Case Lube or UNIQUE™, a hard paste.) No matter the method of lubrication, all rifle cases must be lubricated. ***Hornady Titanium Nitride three-die sets are lube-free.*** We don't recommend the use of oil-type lubes; they may contaminate the powder inside the case.

Little or no lube on rifle cases will result in a stuck case. Over-lubrication will cause dents in the shoulder, damaging appearance.

ADJUSTING THE SIZE DIE

To adjust the expander/decap assembly:

1. Loosen the lock nut at the top of the die.
2. Turn to adjust the spindle so approximately 3/16" of the decap pin is below the end of the die (SEE PHOTO.)
3. Tighten the lock nut until the spindle no longer rotates.
4. Verify that the decap pin is only extended 3/16" below die.

3/16" below die

To adjust the full-length size die, follow these steps:

1. Raise the press ram to highest position.
2. Thread the full-length die into the press until the base touches the shell holder head.
3. Tighten the lock ring against the press or against the Lock-N-Load Press Bushing.

Note: Firearm action types and chamber dimensions vary causing excess headspace. To eliminate the headspace, adjust the full-length die upward.

ADJUSTING THE EXPANDER DIE *(Three-die sets only)*

To adjust the die:

1. Raise the ram to its highest position with a sized case in the shell holder.
2. Thread the die into the press until the expander touches the case mouth.
3. Raise and lower the ram while threading the expander die down in small increments (each time inspecting case mouth) until the mouth is flared just enough to seat a bullet.
4. Tighten the lock ring against the press or against the Lock-N-Load press bushing

Note: Excessive flare can eventually shorten case life, and may prevent the case from properly entering the seating die.

ADJUSTING THE SEATING DIE

Prior to seating, make sure the cases are chamfered.

Note: As with all seating dies, when seating lubricated lead bullets, lubricant will build-up within the die causing variations in seating. Clean and inspect as needed.

SEATING WITHOUT A CRIMP

1. Insert a sized case into the shell holder and raise the press ram to its highest position. Back out the seater adjustment screw. If you have the seater adjustment screw too low to start, you may run out of adjustment.
2. Thread the seating die into the press until you feel resistance. At that point, the crimp ring has come in contact with the mouth of the case.
3. Back the die out of the press one turn to prevent the case from being crimped — tighten the die body lock ring. Raise the press handle and return the ram to its starting position.
4. Insert a bullet in the case mouth - raise the press ram so the cartridge and bullet enter the seater die. Upon completion of the stroke, the bullet should be barely seated in the case.
5. Adjust the seater adjustment screw down in small increments, each time raising and lowering the press ram until the bullet is seated to the desired length. ***At the completion of each stroke, inspect the cartridge for the correct overall length.***

SEATING WITH A CRIMP

To begin, refer to the procedure for SEATING WITHOUT A CRIMP. Follow the procedure throughout, however, DO NOT TIGHTEN THE DIE BODY LOCK RING.

1. Once you've reached the preferred seating depth for the bullet, back out the seater adjustment screw a few turns.
2. Raise the press ram, with the cartridge, to the top of the stroke.
3. Thread the seater die body into the press until it meets resistance ***(again, at that point, the mouth of the case has met resistance with the crimp ring.)***
4. Thread the seater die body into the press in small increments (1/16" turns) each time raising and lowering the press ram. At the completion of each stroke, inspect the cartridge for the proper crimp.
5. Once you've reached the desired crimp (with the cartridge still in the die), tighten the die body lock ring. Then, with the press ram in its highest position, thread the seater adjustment screw downward until it contacts the bullet. ***NOTE: On presses with a cam-over action, back out the adjusting screw 1/8 to 1/4 turn to allow for cam-over.***
6. Lower the press ram and remove the cartridge. Check the lock ring to make sure it's still tight. Try another case with a bullet. If the desired seating depth and crimp are attained, then you can begin seating and crimping in one operation. If not, make the needed minor adjustments.

NOTE: For uniform crimps, cases must all be trimmed to a uniform length.

NO-RISK, LIFETIME WARRANTY*

All Hornady reloading tools and accessories are warranted against material defects and workmanship for the life of the product. Simply stated – if it breaks, we'll repair it or replace it at no charge (at Hornady Manufacturing Company's option).

Hornady reloading tools and accessories are warranted against defective materials and workmanship only. This warranty is void if the product (1) has been damaged by accident or unreasonable use, neglect, improper service or other causes not arising out of defects in material or workmanship; or (2) has been altered or repairs have been made or attempted by other than authorized factory personnel; (3) is used commercially; or (4) has been altered or defaced in any way.

This warranty supersedes all other warranties for Hornady products either written or oral. No other warranty is expressed or implied.

Visit Hornady.com/warranties to register your product.

HORNADY AMERICAN SERIES™ DIE SETS

SAMPLE RELOADING DATA

RIFLE DATA

223 Remington
Rifle: Rem Mod 700, 26" 1:12" twist
Max C.O.L.: 2.260"
55 grain bullets with CFE 223
Start – 24.8 gr. | 2,800 fps
Max – 27.4 gr. |3,200 fps
Hornady recommends
55 gr. V-Max® - 2.250" C.O.L.

243 Winchester
Rifle: Win Mod 70, 24" 1:10" twist
Max C.O.L.: 2.710"
95-100 grain bullets with H4831
Start – 42.0 gr. | 2,800 fps
Max – 45.5 gr. | 3,000 fps
Hornady recommends
100 gr. InterLock® SP - 2.630" C.O.L.

270 Winchester
Rifle: Win Mod 70, 24" 1:10" twist
Max C.O.L.: 3.340"
130 grain bullets with RL-22
Start – 52.7 gr. | 2,600 fps
Max – 61.3 gr. | 3,100 fps
Hornady recommends
130 gr. InterLock® SP - 3.210" C.O.L.

308 Winchester
Rifle: Win Mod 70, 22" 1:12" twist
Max C.O.L.: 2.810"
150-155 grain bullets with
Power Pro 2000 MR
Start – 40.1 gr. | 2,300 fps
Max – 51.2 gr. | 2,800 fps
Hornady recommends
150 gr. InterLock® SP - 2.735" C.O.L.

30-06 Springfield
Rifle: Win Mod 70, 23 ¾", 1:10" twist
Max C.O.L.: 3.340"
150-155 grain bullets with H4350
Start – 49.4 gr. | 2,500 fps
Max – 60.5 gr. | 3,000 fps
Hornady recommends
150 gr. InterLock® SP - 3.210" C.O.L.

HANDGUN DATA

9mm Luger (9x19mm)
Handgun: S&W Mod 39, 4", 1:10" twist
Max C.O.L.: 1.169"
115 grain bullets with Power Pistol
Start – 4.8 gr. | 1,000 fps
Max – 6.7 gr. | 1,250 fps
Hornady recommends
115 gr. XTP® - 1.075"º C.O.L.

38 Special
Handgun: S&W Mod 15, 4" 1:18 ¾" twist
Max C.O.L.: 1.550"
125 grain bullets with HS-6
Start – 6.6 gr. | 800 fps
Max standard pressure: 7.3 gr. | 900 fps
Max +P: 8.1 gr. | 1,000 fps
Hornady recommends
125 gr. XTP® - 1.450" C.O.L.

357 Magnum
Handgun: Colt Python, 8" 1:16" twist
Max C.O.L.: 1.590"
158 grain bullets with Power Pro 300 MP
Start – 14.7 gr. | 1,000 fps
Max – 17.0 gr. | 1,400 fps
Hornady recommends
158 gr. XTP® - 1.590" C.O.L.

40 Smith & Wesson
Handgun: S&W 4006, 4" 1:16" twist
Max C.O.L.: 1.135"
180 grain bullets with Power Pistol
Start: 5.8 gr. | 1,000 fps
Max: 8.9 gr. | 1,250 fps
Hornady recommends
155 gr. XTP® - 1.125" C.O.L.

45 Automatic
Handgun: Springfield 1911, 5", 1:16" twist
Max C.O.L.: 1.275"
230 grain bullets with Power Pistol
Start – 5.5 gr. | 700 fps
Max – 7.1 gr. | 900 fps
Hornady recommends
185 gr. XTP® - 1.215" C.O.L.

For additional load data with further bullet and powder choices, cartridge descriptions, reference data and more, purchase the Hornady Handbook of Cartridge Reloading at your local or on-line dealer. It's also available as an ebook by searching the iTunes Book Store or Kindle store.

See more at: hornady.com/handbook

AMERICAN SERIES™

RELOADING DIES

Great Dies. Great Value. Perfect for the handloader looking to maximize the efficiency of their reloads, American Series™ die sets deliver excellent reloading performance at an unbeatable price. Die bodies are precision reamed from premium steel and hardened to exacting specifications. They are polished to a smooth finish that will endure the rigors of countless reloading sessions.

Available in common rifle (2-die) and handgun (3-die) calibers, American Series™ die sets include a FREE shell holder and two extra decapping pins.

The 3-die American Series™ sizing dies feature an industry leading Titanium Nitride sizing ring that reduces friction and case sticking, helping to prolong case life.

- **Each die set includes a FREE shell holder and two extra decapping pins.**
- **Select pistol dies are taper-crimp capable (9mm Luger, 40 S&W/10mm, 45 Auto).**
- **Sizing dies size to SAAMI specifications.**
- **Internal spindles, expanders and seating stems are interchangeable with other components on the market.**
- **All Hornady reloading tools and accessories are warranted against material defects and workmanship for the life of the product.**

** Optional accessories available to enhance the American Series™ die sets include, Lock-N-Load® bushings, Sure-Loc™ lock rings, die boxes and more. Please visit hornady.com for a complete listing.*

Hornady®

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We Make Guns Better.™

Lead Warning: Discharging firearms in poorly ventilated areas, cleaning firearms or handling ammunition may result in exposure to lead and other substances known to cause birth defects, reproductive harm and other serious physical injury. Have adequate ventilation at all times. Wash hands thoroughly after exposure.

Risques Dus Au Plomb: lors de la décharge d'armes à feu dans deu des zones mal aérées, du nettoyage d'armes à feu ou de la manipulation de munitions, vous risquez d'entrer en contact avec du plomb ou d'autres substances connues poue être responsables d'anomalies génitales, avoir des effets négatifs sur la reproduction ed pouvant être la cause d'autres blessures graves. Prévoyez une aération suffisante en tous temps. Nettoyez soigneusement vos mains aprés tout contact.

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