The App is the most convenient single station press ever made. You can use any brand shell holder provided the outside diameter does not exceed 13/16" (20.6mm). Any brand or type of die will also work provided they have a 7/8-14 threading. Follow the instructions to install the shell holder, then adjust your dies according to the manufacturer’s instructions.

Setup Tools Required

- Safety glasses
- 7/16" wrench
- Small flat blade screwdriver

Spline Drive Bushing (1 included)

Feed tubes (4)
- # PA4340-28"
- # BF3490-42"
- # BF3489-49"
- # TR2458-53"

Left lever

Upper Casting
Part # PA4255

Molded feed tube & case feed support
Part # PA4360

Molded parts risers
Part # PA4384

Feed Spring
Part # PR2118

Base Casting
Part # PA3506

Bottle Adapter
(1 included)
Product # 91151

Power grip

Right lever

1/4-20 Flange nut (2 included)

Column (2 included)

Spline Drive Bushing (1 included)

Connecting Link

optional Bin & Bracket
Product # 90687

optional Reloading Stand
Product # 90688

Molded feed tube & case feed support

DANGER

Ammunition reloading can be dangerous if done improperly and can result in serious injury or death.

WARNING: Handling live primers and spent primers may expose you to lead or other chemicals, which are known to the State of California to cause reproductive harm and cancer. For more information, go to www.P65Warnings.ca.gov.

WARNING: This product may contain steel alloyed with trace amounts of lead and other elements which are known to the State of California to cause reproductive harm and cancer. For more information, go to www.P65Warnings.ca.gov. To prevent exposure, do not alter the product by welding, grinding, etc.

CAUTION

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.

Setup Tools Required

- Safety glasses
- 7/16" wrench
- Small flat blade screwdriver

DANGER

Reloading 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 and hearing protection 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.

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The most convenient way to mount your press is with our Lee Bench Plate or Lee Reloading Stand. These systems includes all of the mounting hardware and allows for quick press removal without unbolting from bench. Follow mounting holes identified for Reloader Press as the APP uses the same mounting pattern.

-OR-

Purchase qty. 3, ¼” bolts and nuts, and prepare your workbench for use with this press using the drill template provided here: leeprecision.com/files/instruct/TMPLP.pdf

Drill three 17/64" (7mm) holes. You can also use the press base as a drill template.

Breech Lock Ram Prime product 91612
Start priming in seconds, nothing to adjust. Includes small and large priming assemblies, no tiny parts to fumble with or lose. Effortless priming in the tightest pockets. Uses any brand press shell holder. Safe with all brands of primers.

Heavy Duty Guided Decapper
Use in conjunction with Universal Decapping Die product 90292, guided decapper helps align the case to reduce the chance of bending or breaking a decapper.

Caliber | Product #
---|---
17 cal. & 204 Ruger | 91574
22 cal. | 91576
6mm to 25 cal. | 91577
27 cal. to 7mm | 91578
30 cal. | 91580
34 cal. to 35 cal. | 91581
40 cal. | 91583
45 cal. | 91584

Bullets are sized as rapidly as you can operate the press lever. The sized bullets drop into an attached wide mouth container. This is the perfect tool for the now popular powder coated bullets.

APP Accessories

APP Primer Pocket Swage Kit product 91582
The new swage kit removes military primer pocket crimps as fast as you can operate the lever. Universal shell holder adapter allows you to use your press shell holder or X-PRESS shell holder to swage. Typical cases that you will encounter primer pocket crimps are 45 ACP, 223(5.56mm), 30-06, 308(7.62x51), 9mm Luger and special law enforcement 40 S&W.

See complete product instructions shipped with kit.

APP Bullet Sizing Kit product 91532
Allows nose first bullet sizing, change size with an inexpensive punch and die. Nose first bullet sizing is the most accurate, distortion free and because you are pushing on the base of the bullet no special nose punches are required.

Bullets are sized as rapidly as you can operate the press lever. The sized bullets drop into an attached wide mouth container. This is the perfect tool for the now popular powder coated bullets.

APP Bulge Buster Kit product 91572
The Lee APP Bulge Buster Kit and the appropriate Lee Factory Crimp Die (sold separately), restores free function of rimless cases that have low base bulges. Will work with the following cases: 380 ACP, 10mm, 40 S&W, 41 AE (Use 40 S&W Factory Crimp Die), 45 ACP, 45 GAP, and 45 Win Mag. Low base bulges usually occur from chambers that do not fully support the cartridge or cases resized in carbide dies from manufacturers other than Lee.

Mount to leg of Lee reloading stand using provided 1/4-20” bolts and 1/4”-20 nuts

Mount to workbench using (2) provided # 8 Phillip Head Screws.
**X-PRESS SHELL HOLDERS**

X-PRESS shell holders make the nicest single stage press, the fastest. A word about X-PRESS shell holders. The X-PRESS shell holder allows easy automation on the APP press, however, the pass through design reduces the amount of “pull” that can be applied to the cartridge. That said, we do not recommend full length resizing rimless bottle neck cases. If you insist, we suggest using only Lee dies and Lee case resizing lubricant # 90006. Only Lee dies include a built-in stuck case remover in the event you damage a rim and stick a case.

**Install cartridge specific X-PRESS shell holder into shell holder adapter. Attach clear bottle to adapter if depriming.**

**Using Universal Decapping Die?**
You may want to consider adding a heavy duty guided decapper to the die. Guided decapper aligns the case and decapping pin, reducing the likelihood of bending or breaking the pin.

**Loosen the hex screw on the spline drive bushing with 3/32 hex key.**

Available accessory # 91634 3/32 hex key

**Lightly tighten Hex screw with a 3/32 hex key to retain position.** When you are finished, you can remove the adjusted die from the press by rotating the spline drive bushing 1/3 of a turn counterclockwise. When you use it next time, it will return to perfect adjustment.
The setscrew found on the rear of the case inserter closes the fingers on the return stroke of the case inserter. For most cases, the adjustment screw should be backed out to allow maximum jaw opening to allow the rim of the case to easily enter the jaws. The ball end of the setscrew should protrude slightly from the bottom of the actuator. Small diameter bottleneck cases such as the .223 may require slight adjustment of the setscrew inward to close the fingers trapping the case as it feeds from the feed tube.

Adjust the setscrew when the case inserter is at the end of the feed rail. Rotate the setscrew clockwise with flat blade screwdriver until there is a slight amount of capture when you slide the case out of the fingers. We found it best to adjust for the least amount of closure as it provides the largest target for the next case to feed.

The case inserter is shipped with the large fingers installed. They will work with 25 caliber and larger bullets. If you are sizing bullets smaller than 25 caliber, change the jaws to the 22 caliber [see FIG. 1 at website link below].


Adjust the setscrew with the case inserter positioned at the end of the feed rail. Rotate the setscrew clockwise with flat blade screwdriver until the bullet is captured in the finger tips.

Five unique risers are included, PA4384A-PA4384E. These are double ended and are used for both bullet and case feeding. Case feeding uses the “C” opening and Bullet feeding uses the “O” opening. With case inserter installed on slider rail, select the riser that is slightly shorter than the case or bullet you wish to process.

Now, select the tallest riser that is NOT taller than the case when installed on the case inserter. Place on the rail to confirm correct riser. Be sure the “C” side of the riser is above the jaws.

Now, select the tallest riser that is NOT taller than the bullet when installed on the case inserter. Place on rail to confirm correct riser. Be sure the “O” side of the riser is above the jaws.

Proceed to installing tube supports. If cases | bullets do not freely drop into the jaws from the tube support, see top of page to adjust the jaws.
INSTALLING TUBE SUPPORTS

1. Select appropriate tube support PA4360A or PA4360B by passing your bullet or case through. Select the smallest hole that the case or bullet will flow through unrestricted.

2. Insert ¼" support bolt into the adjacent hole you just selected. Secure bolt with nut. Thread another nut onto bolt about half way. Slide the bolt into the APP base casting as shown.

3. Place empty case|bullet into your previously configured and adjusted case inserter and position as shown. Adjust the nut up or down on the tube support bolt so there is approximately a coins thickness between the bottom of the tube support and the top of the case. Minimizing the clearance gives the best results.

4. Install the last nut on to the tube support bolt underneath base casting, and tighten nut above rail with 7/16” wrench.

5. When you secure the nut, hold and orientate the tube support so it does not interfere with the press handle during operation as shown.

6. Install clear feed tube for the appropriate size hole in tube support.

**Note:** due to the large manufacturer’s tolerance on these tubes, some may fit loosely in the tube support. This does not affect anything, you can tighten the fit with a round or two of clear tape.

7. Lower handle. Re-attach spring to case inserter actuator. Cycle a few cases. If the cases drop too soon, they may rest on top of feed fingers. Rotate the feed tube support farther away (clockwise) from the press to delay the dropping. Because of the wide range of diameters and rim configurations, you will have to fine tune this position to provide reliable feeding.

**Note:** while decapping mixed range brass, you may encounter cases with damaged rims that won’t feed into shell holder. Remove this case and discard or repair rim damage to allow easy entry.
INSTALLING UNIVERSAL CASE FEEDER (ACCESSORY # 90242)

Works well with most handgun cartridges and small rifle cases like the 223. Can be fitted with optional collator bowl # 90667, fills 4 tube feeder with handgun cases in about 10 seconds. **This feeder will not work for bullet feeding.** You must use the case inserter supplied with the APP. The case slider included in the universal case feeder will not function correctly, it will not center the cases in the X-PRESS shell holder and there is no attach for the feed spring.

1. With the spring unhooked from case actuator hook. Insert case into jaws of slider base. Place a coin on top of the case mouth. (See setting for bottleneck cases)

2. Slide the feed plate assembly into the base casting hole, and adjust the top nut so that the bottom of the feed plate assembly rests on top of the coin. Tighten the top nut so that the feed plate assembly clears the frame using a 7/16” wrench.

3. Re-attach the spring to the case actuator and test operation on a few cases. If the cases drop too soon, they may rest on top of feed fingers. Rotate the feed tube support farther away (clockwise) from the press to delay the dropping. Because of the wide range of diameters and rim configurations, you will have to fine tune this position to provide reliable feeding.

INSTALL SPRING & TEST SETUP

If you took off spring to setup riser/tube supports, install open end of spring into tab of upper App press casting.

Slide case inserter “jaws” first on to slide rail.

Lower press handle to the ½ stroke position (2”) and install spring on to case inserter actuator hook as shown. If the closed loop on the spring does not align with hook, twist the spring towards the press.

Cycle the press handle, stop to stop, to ensure smooth operation back and forth. Notice how the jaws open and close when the direction of the slider changes.

OPTIONAL CASE COLLATOR
product # 90667

PART # DESCRIPTION PART # DESCRIPTION
PA4342A Slider Top Rail PA4342G 22 cal. Outer Jaw
PA4342B Actuator Screw PA4342H 22 cal. Inner Jaw
PA4342C Actuator PA4384A 0.53” Riser
PA4342D Slider Base PA4384B 0.75” Riser
PA4342E Large Outer Jaw PA4384C 1.0” Riser
PA4342F Large Inner Jaw PA4384D 0.53” Dual Riser
PA4342G 1.3” Riser
CONFIGURING APP FOR BREECH LOCK BULLET SIZING KIT

Breech Lock Bullet Sizer Kit
Product 91532

Bullet Sizer & Punch

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Diameter not listed?
Custom service available factory-direct:
leeprecision.com/custom-breech-lock-bullet-sizer-punch

1. Roll mark in first
2. Bottle adapter
3. Install bottle adapter on to bullet sizer insert.
4. Install aluminum bottle adapter into red bottle adapter.
5. Insert roll marked end of bullet sizer in first into the Breech Lock insert.
6. Install shell holder adapter and appropriate sized punch in upper APP casting.

The clear bottle or an empty powder container can be used to catch sized bullets.

Note:
If you applied too much Lee Liquid Alox® on your bullets, you will have feeding problems as the bullets may stick to the tube or fail to fall from the fingers. If this happens, dust with powdered mica.
If powdered mica isn’t available, you can use powdered graphite, but it’s messy.

Have a Bullet Sizing Kit and want to install on APP press?

SEE INSTRUCTIONS HERE:
leeprecision.com/files/instruct/InstallBulletSizingKitIntoAPPpress.pdf
**CONFIGURING APP FOR BULGE BUSTING**

**APP Bulge Buster Kit product # 91572** restores free function of rimless cases that have low base bulges. Low base bulges usually occur from chambers that do not fully support the cartridge or cases resized in carbide dies from manufacturers other than Lee. These show a noticeable stop ring near the base. You will most likely find cases with these problems in mixed range brass.

**Please note:** if you have automation kit installed, insure the jaws are backed out (maximum jaw opening).


1. Remove crimp sleeve and adjusting screw from carbide factory crimp die.
2. Select appropriate intake funnel and insert into Breech Lock Bulge Buster insert holder. Intake funnel. Roll mark in first.
3. Spline drive lock ring must be used
4. Insert cases into feed tube (case mouth down first) with case inserter assembly underneath.
5. Push case through. BUSTED!
6. Bulge busted cases conveniently collect in catch container, or use your empty powder container for even more capacity.

<table>
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<th>CARBIDE FACTORY CRIMP</th>
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