



EYE
PROTECTION
MUST BE WORN

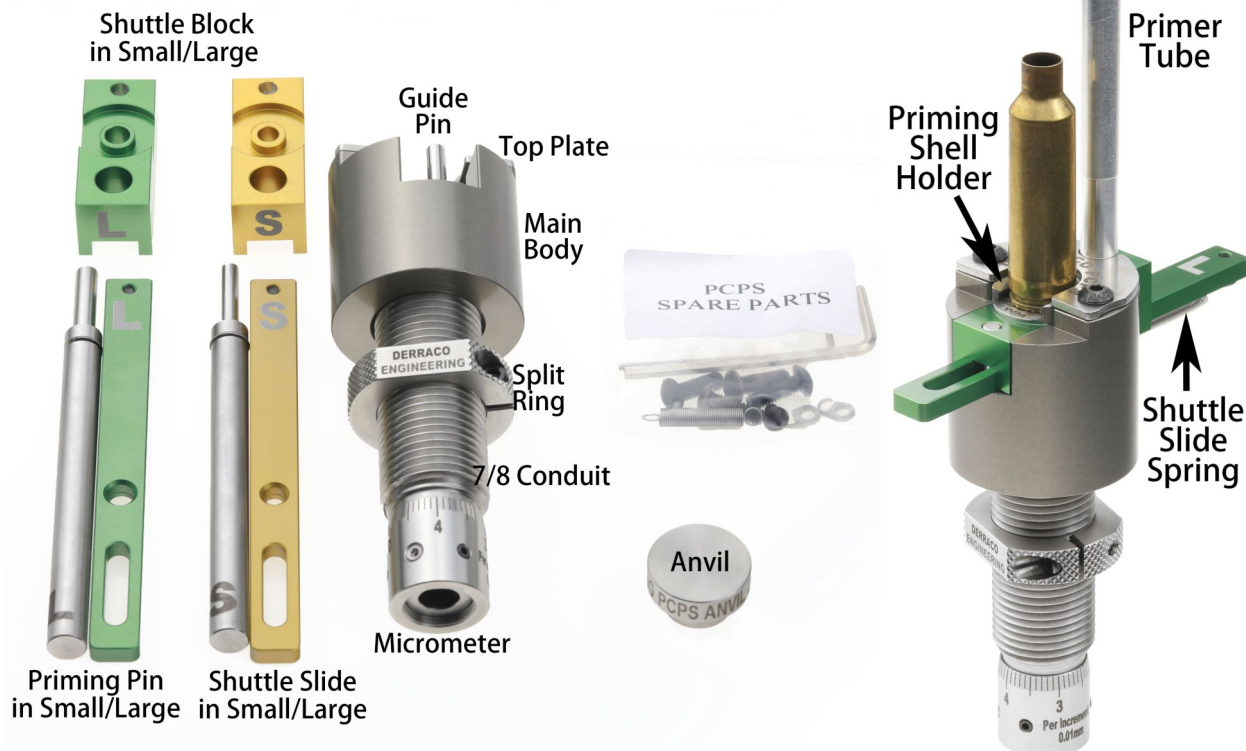
WARNING:

Eye protection must be worn as Primers are Explosive!

Thank you for choosing "PCPS Precision Priming Die".
Please read these instructions before priming your brass.



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How to install your PCPS

1. Un-Screw the Main Body from 7/8 Conduit. Drop the Priming Pin of appropriate size from above. Hand tighten and screw back the Main Body.
2. Remove one of the two bolts above the Top Plate. Loosen the other bolt until the Top Plate can rotate freely.
3. Place the appropriate Shuttle Slide with S/L engraving facing Upwards. The Main Body's Guide Pin must go through the oval hole on the Shuttle Slide.
4. Position the appropriate Shuttle Block on top of the Shuttle Slide. The Shuttle Slide should slide freely in the bottom groove of the block, as shown in the photo.
5. Rotate the Top Plate to the side; a recess on the Top Plate will allow the installation of the priming shell holder. Securely lock the two bolts on the Top Plate.
6. Connect the Shuttle Slide Spring to the hook located at the bottom of the Shuttle Slide.
7. Install and lock the PCPS onto your press, similar to a regular 7/8-14 reloading die. Aim to expose more of the Micrometer below for easier adjustment.
8. Install the Anvil onto the ram rod of your press, following the same procedure as installing a shell holder.

Warning: It is crucial that you DO NOT Mix and Match any Small primer parts with any Large primer parts. Mix and match installations in this manner will result in damage that is not covered by the warranty. Make sure to use parts with "S" engraving for Small primers and "L" engraved parts for Large Primers.

How to set and use your PCPS

1. Rotate the Micrometer counterclockwise to its highest position. Place a brass into the shell holder. Carefully lower the press lever, allowing the press ram to rise gently with just the gravity of the press lever. Slowly adjust the Micrometer clockwise downward until the priming pin reaches a position where you can barely pull out the brass from the shell holder.
2. Inspect the filled primers to ensure correct orientation. Insert the filled Primer Tube into the designated 8mm hole on the Main Body. Release the primers into the PCPS by pulling the clip pins.
3. Press the Shuttle Slide to test-load a primer. Operate your press lever and confirm whether you see a primer elevated with the Priming Pin.
4. Seat a primer into the brass and check for proper seating. Adjust the Micrometer as needed until you are satisfied with the priming depth.
5. The detent-locked Micrometer should remain stationary during primer seating operations. However, for added assurance, you have the option to lock one or all three of the black grub screws. These grub screws are brass-tipped, and it is crucial to apply gentle force when locking. Excessive tightening may result in the accumulation of brass shavings in the grooves and could potentially damage the smooth operation of the detent clicks.

Warning: Use gentle force when tightening the black brass-tipped grub screws on the Micrometer. Excessive force may result in brass shavings accumulation, potentially damaging the detent clicks. This damage is not covered by the warranty.

Useful Tips:

1. Avoid using fluid/grease lubricants in the 7/8 conduit bore. Clean the 7/8 conduit bore if Priming Pin can not gravity-drop freely, clean the bore similarly to cleaning a barrel, using a cloth patch or bronze brush with or without solvent. If needed, apply a small amount of graphite using a solvent-wetted Q-tip.
2. If you accidentally drop the priming pin on a hard floor, causing it to no longer drop freely with gravity, you can fix this by carefully lapping off the dents or scratches with #1000 sandpaper. Ensure that you wipe off any residue grits on the pin before reinstalling it back into the conduit.
3. Do not attempt to unscrew the Torx Detent Screw on the Micrometer, as doing so may cause permanent damage not covered by the warranty. In the unlikely event that you want to remove the detent screw, you must heat up the Micrometer to release the high-strength thread Loctite. Please note that this action is at your own risk. When reinstalling the detent screw, partially screw it in first, then apply high-strength thread Loctite to the exposed threads. Applying Loctite into the hole threads before screwing in the detent screw can permanently damage the delicate detent screw. Screw in the detent screw until it reaches the end and then back it off 1/4 to 1/3 of a rotation.

Deraco Engineering Competition Priming Shell Holders are available in five sizes and their families (223Rem, 308Win, 7.62*39mm, 300Win Mag, 338Lapua Mag), stand out for their tighter tolerance. Unlike some competitors, our shell holders exhibit minimal wobble and sloppiness. These holders are CNC turned and milled from 420 stainless steel, Hardened to HRC45-50. They are also designed to fit Lee, Frankford Arsenal, and other priming tools using Lee Standard priming shell holders.

Main Body, Shuttle Slide, Shuttle Block:

Main Body, Shuttle Slide, Shuttle Block are precision CNC milled from 6061-T6 Aircraft Grade Aluminium Alloy (USA made round stock and billets). Their surfaces undergo hard anodic oxidation, providing a color-coded finish for enhanced wear resistance and easy identification.

Top Plate and Split Ring

Top Plate is made from 304 Stainless Steel, 7/8-14 Split Ring is CNC milled from 416 stainless steel. Yes! We do sell them separately if you want to use them on your other reloading dies.

7/8 Conduit, Priming Pin, Micrometer

The 7/8 Conduit, Priming Pins, and Micrometer are crafted through CNC lathe turning using 303 Stainless Steel. The 50 tiny grooves are milled, delivering unparalleled detent clicking performance. The priming pin hole is bore-cut and hand-lapped individually, ensuring a smooth and precise gravity-drop fit.

Detent Screw

We've uniquely designed an ultra-short profile detent screw, incorporating a small ball bearing and a spring crimped and integrated into a tiny grub screw body. This detent screw pushed the limits, creating a compact-sized micrometer smaller than the 7/8-14 die hole while preserving the delightful clicking sensations.

The PCPS Precision Priming Die stands out as a revolutionary product, surpassing the performance of some products priced 3-4 times higher. Our team dedicated months to its development and manufacturing processes, and we take pride in delivering this remarkable and affordable product.

The PCPS Precision Priming Die is made in China with globally sourced parts. Engineered in Canberra, Australia by Derraco Engineering.

Visit www.derraco.com.au for more information
Email: derracoppc@gmail.com

Thank you for purchasing our amazing PCPS. We hope you were astonished by the quality for the price, and enjoy the ease of use.

Cheng Fei (studied Civil Engineering in University of Tasmania)