



M-PRESS™ COAXIAL RELOADING PRESS

Product #1097879

Instructions #1108001 Rev. A

CARE & USAGE INSTRUCTIONS



Reloading die
not included

STOP!



1800 North Route Z
Columbia, MO 65202

If you have problem with this product, **DON'T USE IT OR RETURN IT TO THE STORE WHERE YOU PURCHASED IT.**

Have an issue with this product? Please contact customer service by filling out the form on the contact page of our website at www.BTlbrands.com/ or call us at: 1-877-509-9160

NOT WARRANTED AGAINST MISUSE, ABUSE, OR COMMERCIAL USE.

Limited Warranty

For complete warranty terms and conditions please visit www.btibrands.com/warranty, or contact customer service at 1-877-509-9160.



WARNING: BEFORE USING THIS PRODUCT, READ AND FOLLOW THESE INSTRUCTIONS CAREFULLY. FAILURE TO DO SO COULD RESULT IN INJURY, DEATH, OR PROPERTY DAMAGE.

This instruction manual contains important safety and operating information. Retain it as part of your reloading reference materials. If lost, contact us for a replacement.

BECAUSE BTI HAS NO CONTROL OVER THE CHOICE, ASSEMBLY OR USE OF COMPONENTS OR OTHER RELOADING EQUIPMENT, BTI ASSUMES NO LIABILITY, EXPRESS OR IMPLIED, FOR THE USE OF AMMUNITION RELOADED WITH THIS PRODUCT.

RELOADING SAFETY

Proper and safe reloading requires knowledge and experience regarding the interactions and effects of projectile design, (weight, construction, shape), propellant performance, cartridge case condition, primer function and assembled ammunition size, lengths and dimensions. This process should be undertaken only after significant study through reputable industry reloading publications and manuals and after hands-on teaching from an experienced reloader.

There are no small mistakes when reloading. Any variation from a recommended loading method or cartridge assembly recipe can destroy a firearm or result in the death or serious injury to the shooter or any by-standers.



DANGER: RELOADING ERRORS CAUSE DEATH AND PROPERTY DAMAGE.

- Always wear safety glasses.
- Read and understand all warnings and instructions accompanying your equipment and components. If you do not have written instructions, request a copy from the manufacturer.
- Don't rush or take short cuts.
- Keep complete records of reloads. Label each box showing the date produced, and type of primer, powder (type and amount) and bullet (maker, weight and design).
- Do not smoke while reloading, or reload near sources of heat, sparks or flame.
- Observe good housekeeping in the reloading area. Keep tools and components neat, clean and orderly. Promptly and completely pick up spilled powder or primers. Powder or primers outside of the manufacturers approved container can be a source of fire or detonation. Treat spills seriously and with care.
- Stay alert. Reload only when you can devote undivided attention to your efforts.
- Do not reload when tired, ill, rushed or under the influence of drugs or alcohol.



KEEP AWAY FROM CHILDREN. STORE THIS PRODUCT AND RELOADING COMPONENTS OUT OF THE REACH OF CHILDREN.

LOADING DATA

Use only factory tested reloading data. We highly recommend using a component manufacturer's published reloading manual.



DANGER: OBSERVE ALL WARNINGS ABOUT THE USE OF MAXIMUM LISTED LOADS.

WORKING WITH CARTRIDGE CASES

- Only use empty cartridge cases in good condition. Any damage, deformity or corrosion in a casing may result in a dangerous pressure release. Reloading damaged, worn or old cartridge casings can destroy your firearm and cause injury or death.
- Do not store cartridge cases or ammunition near chemicals such as gasoline or cleaning products. Likewise, exposure to animal urine or urine fumes can damage cartridge casings and ammunition.
- Do not clean cases with chemicals other than those specifically designed for the purpose.
- Never apply cleaning products to loaded ammunition or primed cases. These products can cause corrosion, case weakness, or damage primers resulting in misfire/hang fire.
- Ammunition or primed cartridges that have been submerged or soaked in water must be disposed or properly. Attempting

to fire ammunition that has been wet can result in misfires, hang fires and barrel obstructions. Each of these hazards presents potential for injury, death or destruction of your firearm.

- Ensure cases have correct primer pocket sizes; remove primer staking/crimp if necessary. Attempting to seat a primer into a previously primed pocket, an undersized pocket or pocket with staking/crimping can result in detonation.
- Do not ream out or enlarge flash holes of cartridge cases. This may change the ignition rate and result in dangerous pressures.
- Resize and trim fired cases to ensure reliable chambering and obtain proper bullet tension and crimp.



WARNING: DO NOT ATTEMPT TO RESIZE A PRIMED CASE WITH DE-CAPPING PIN INSTALLED.

PRIMER WARNINGS



WARNING: PRIMER DETONATION CAN OCCUR IF MISUSED. TO AVOID SERIOUS INJURY, ALWAYS FOLLOW THESE PRECAUTIONS:

- Always wear safety glasses when using this or any other reloading tool.
- Never attempt to seat or reseat a primer in a loaded cartridge. Prime empty cases only.
- Before priming, ensure the case's primer pocket is properly sized.
- Completely remove pocket crimp from brass/case with crimped/staked primer pockets (e.g., mil spec brass).
- Never force primer into a case primer pocket. Apply slow, steady, gentle pressure and STOP if you encounter resistance.
- Make sure all reloading tools are in good condition and used in accordance with the manufacturer's instructions.
- Before each use, ensure device is clear of primer dust, spilled propellant powder and other foreign objects.
- Seat primers flush with or below the case head to avoid inadvertent detonation by shearing or crushing. A "high-primer" may fire in a magazine, on closing an action or under other unexpected conditions and can cause injury or death. Follow proper primer seating procedures.



DANGER: IF MISUSED, PRIMERS CAN EXPLODE AND CAUSE SERIOUS INJURY OR DEATH. ALWAYS FOLLOW THESE PRECAUTIONS:

- Handle primers with extreme care. Do not drop or subject to heat, flame, friction, electricity, percussion (e.g., hammering, pounding, dropping) or other impact. Never smoke or have open sources of flame around primers.
- Always wear safety glasses when working with or around primers.
- To avoid the risk of multiple primers detonating, handle and use primers individually unless with a reloading tool specifically designed to safely handle multiple primers.
- Do not use primers of unknown identity or that have signs of wetness, corrosion, damage, or deformation.
- Never decap live primers.



DANGER: TO AVOID DEATH, SERIOUS INJURY OR PROPERTY DAMAGE, FOLLOW THESE STORAGE PRECAUTIONS:

- Store primers in a cool, dry environment free from wide temperature variations and under 150°F. Do not store primers in a building without temperature control (e.g., garage, shed) or where they can be exposed to direct sunlight.
- Never store primers near heat sources, electricity sources, electrical equipment or other ignition sources.
- Never store primers near gunpowder, gasoline, chemicals or other flammable or explosive material.
- To reduce the chance of multiple primers detonating, never store primers in direct contact with one another. Store primers only in the original factory container, which is specifically designed to reduce the chance of multiple primers detonating. Return unused primers to the same factory packaging for safety and to preserve their identity.
- Storage cabinets containing only primers are recommended. These cabinets should be ruggedly constructed of lumber at least 1" nominal thickness to delay or minimize the transmission of heat in the event of fire. SAAMI recommends against storing primers in sealed or pressurized containers.
- Dispose of unused primers in accordance with applicable regulations for hazardous materials.



DANGER: PRIMER DUST ACCUMULATION CAN DETONATE AND CAUSE DEATH OR SERIOUS INJURY. BEFORE EACH USE, INSPECT ALL RELOADING EQUIPMENT AND CLEAN REGULARLY WITH A DAMP CLOTH OR SPONGE; ALLOW SURFACE TO DRY BEFORE USE; THOROUGHLY CLEAN AND RINSE CLOTH AFTER USE. NEVER CLEAN PRIMER DUST WITH A VACUUM CLEANER.

GUNPOWDER WARNINGS



WARNING: KEEP OUT OF REACH OF CHILDREN.

- Store powders in their original package in a cool, dry environment free from wide temperature variations.
- Keep containers tightly sealed and labels intact.
- Mark date of purchase on container for future reference. Use older stock first.
- Never use glass as a storage container. This may cause a “greenhouse effect” raising the temperature in the container and degrade the powder.
- Check container and powder for signs of degradation. Many powders will exhibit a fine red-brown dust on the granules and/or inside the container when degraded. If it does, do not use propellant; dispose of it properly in compliance with local regulations.
- DO NOT have more than one canister of powder on the bench at one time. Powder containers should be stored away from the bench to avoid picking up the wrong one.
- DO NOT use any powder unless its identity is positively known. The only positive identification is the manufacturer’s label on the original canister. Properly discard all mixed powders and those of uncertain identity in compliance with local regulations.
- If you use a powder measure, after the powder hopper has been filled, replace the lids on both the powder hopper and powder container.
- When using a powder measure, settle the powder in the powder hopper before charging any cases. Throw and check the weight of at least ten (10) charges. This will assure you that the correct powder charge is being thrown.
- When you finish a reloading session, discard any remaining powder to avoid placing powder in the wrong cannister which will create a dangerous mixed powder. Loading cartridges with mixed powder will result in dangerous pressure which will destroy your firearm and cause injury and death.

MACHINERY



WARNING: AVOID WEARING LOOSE CLOTHING AND JEWELRY WHICH CAN BECOME CAUGHT IN THE RELOADING PRESS.



CAUTION: AVOID PINCH POINTS ON TOOL; KEEP FINGERS CLEAR OF MOVING PARTS. KEEP CHILDREN AND OTHERS AWAY FROM MACHINERY.

CONTENTS

THIS PRESS HAS BEEN DESIGNED FOR OPTIMAL CASE TO BULLET ALIGNMENT TO HELP PROVIDE THE MOST PRECISE AND ACCURATE AMMUNITION.

2 meter USB/Micro USB cable

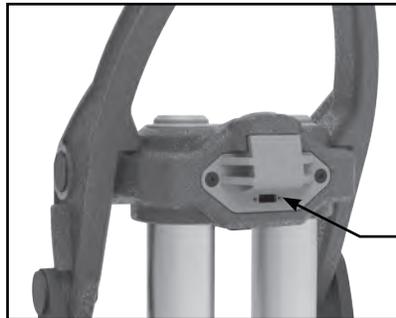


110/120v
Wall Adapter



Hex wrench

Backside of M-Press



M-Press Reloading Press

Micro USB
port

1. Connect the Micro USB end of the cable into the port at the back of the M-Press.
2. Connect the USB end of the cable into the 110/120v adapter
3. Connect 110/120v adapter into wall outlet.



3 pack floating die
blocks with storage case

OPTIONAL:
Additional 3 Pack Floating
Die Blocks Set sold
separately. #1097880



Reloading dies not included

Reloading dies
not included



SET UP INSTRUCTIONS



WARNING: Avoid possible pinch points. Keep hands and fingers away from press when in operation. Failure to comply with these instructions could result in serious injury.

Wear safety glasses when using this press to prevent eye injury.

SET UP THE M-PRESS™ RELOADING PRESS

The base plate on the M-Press™ has 4 holes for you to mount the press to a secure work surface. **SEE PAGE 9 FOR TEMPLATE**



WARNING: Failure to securely mount the press may result in personal injury or damage to the press.

Using the included Hex Wrench, insert the shaft end of the handle into the top arm of the M-Press™ and tighten the screw.

Using the provided USB power cord and wall adapter, plug the press into a 110/120v outlet.

NOTE: A battery pack may be used in place of the converter if you wish.

SET UP THE DIE BLOCKS

The die blocks for the press were designed to help optimize bullet to case alignment. More die blocks may be purchased so you do not have to continue to switch them out.

The die blocks are designed to work with 7/8"-14 threaded reloading dies.

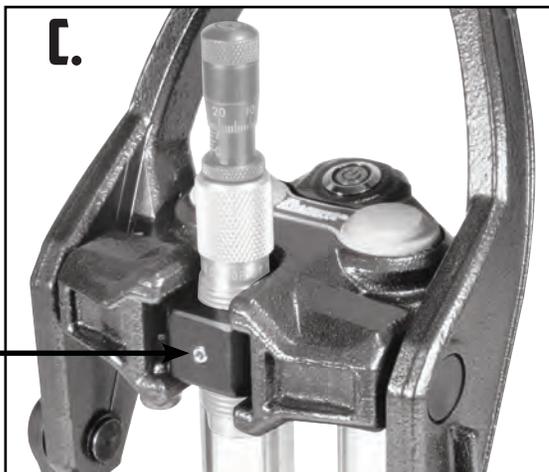
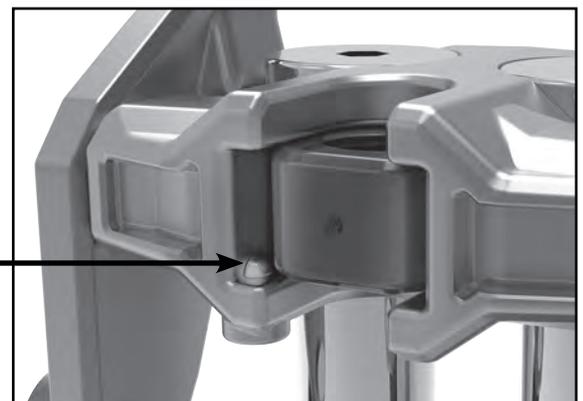
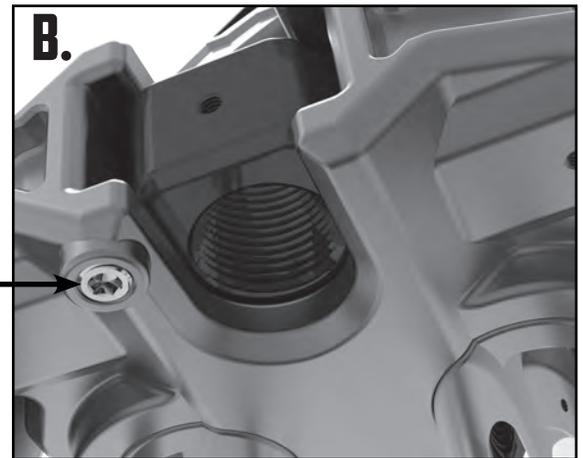
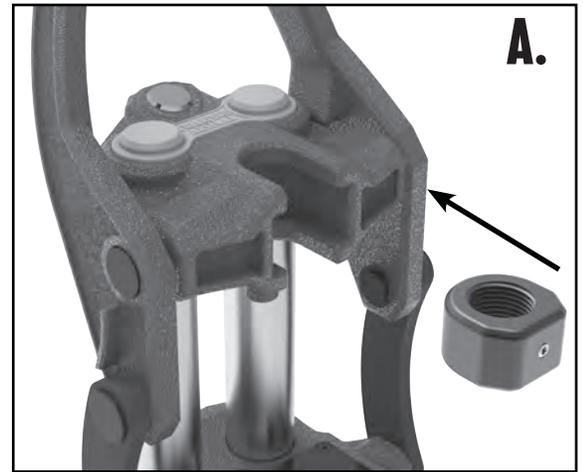
The die block will slide into the cutout in the front of the press. There is a ball point set screw that will hold the die into the channel and allow it to float. (A.)

To adjust the tension required to slide in/out the die block, adjust the set screw beneath the top of the press. (B.)

Once the die block is set in the press you can screw in your reloading die and set to the correct depth.

After setting the reloading die to the correct depth, use the hex wrench to tighten the set screw on the die block. (C.)

Your die is now set to correct depth and you can change out pre-set dies quickly and easily.



Die block set screw

Ball point set screw

Ball Point Tension

SHELL HOLDER SHIM ADJUSTMENTS

The M-Press™ shellholder system comes pre-assembled. This PATENT PENDING design is able to grip the rim of a case without the need for individual caliber shell holders.

Each Holder is spring loaded with 4 markings on it: Small, Large, .308 and .223
Choose the correct Holder setting for your desired case.

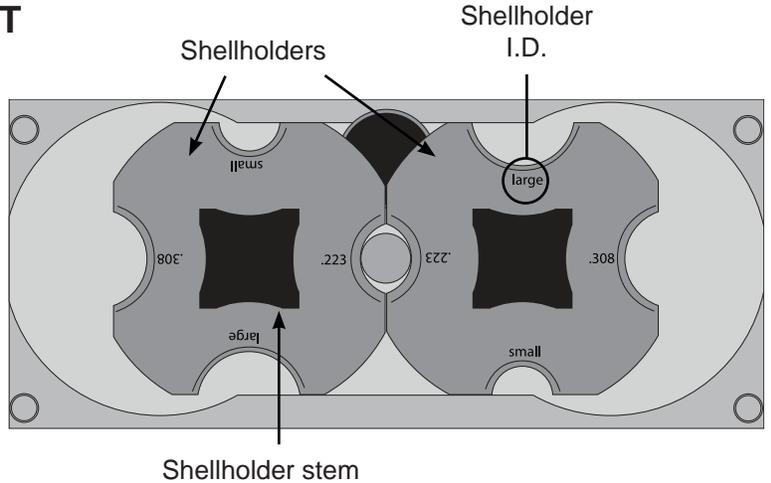
CALIBER EACH HOLDER SETTING WILL FIT

SMALL - .22 hornet, .25 ACP, and Rim Diameters between .315" and .370"

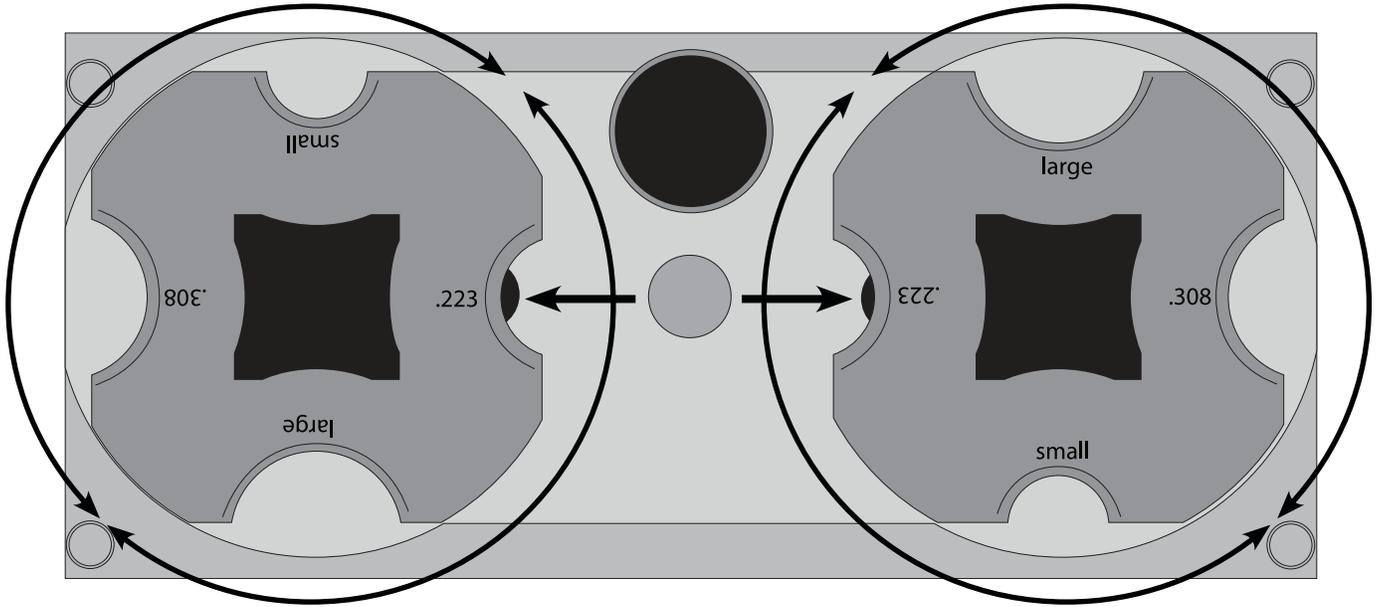
.223 - .223/ 5.56, .204 Ruger, 9mm, .40, and Rim Diameters between .345" and .425"

.308 - .308, 6.5 Creedmoor, .30-06, .300 Win Mag, .45ACP and Rim Diameters between .470" – .565"

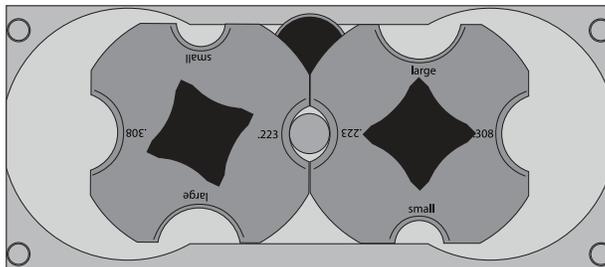
LARGE - .45-70, .338 Lapua Mag, and Rim Diameters between .530" and .630"



With the press securely mounted, slide each holder to the side and then rotate it until the correct setting is in the center of the press. The holders will spring back into their home positions when aligned correctly.



CAUTION: Make sure the holder stems are properly oriented. If not the stem may contact your die causing damage. The stem may be turned back into the proper position by hand.



BEFORE EACH USE CHECK THE FOLLOWING

Before use of the M-Press™ Coaxial Press please check the following items.

1. Verify that your reloading press is secured to a stable work surface.
2. Clean and oil the Guide rods of the press with a standard 3-n-1 oil or gun grease. We recommend you use Tipton® brand grease or oil.
3. Verify that your primer catch tray is secured into the moving platform.
NOTE: Empty the primer tray after every 100 primers.
5. Verify that the appropriate shellholder setting is showing.
6. Verify that your reloading die is secured in the provided die block.
7. Verify that your reloading die is set to the proper depth



PRESS OPERATION

Once you have verified all of the above you are now ready to begin using the M-Press™.

1. Place your case into the opening that the holders provide.
 - A. When the platform is in its lowest position a post will separate the shellholders allowing you to add or remove a case.
 - B. When the platform is lifted the shellholders will grab the case.
2. Pull the handle to elevate the platform so that the case is inserted into your die.
 - A. The handle and connectors are designed to contact each other and stop at the end of the stroke.
3. Lower your handle so that the platform moves to the bottom most position and remove your case.

CAM OVER OR NO CAM OVER FEATURE

This press was designed so that you may have it cam over center if you choose to do so, or have it stop at top dead center. The M-Press™ Coaxial press is set default to Cam over center. To change from this default setting follow the instructions below.

If you would like to Stop NO CAM over, the “C” shaped connectors must have the wide profile end on TOP.

To do so:

1. Remove the e-clip connecting the pivot pin to the “C” connector on each side.
2. Raise the platform and using the included Hex wrench, remove the set screw on the underside for each bottom base pin.
3. Lower the platform all the way back down
4. Remove the top pivot pins from each side allowing the “C” connectors to swing down
5. Remove the base pins to free the “C” Connectors

NOTE: Default for the press is to CAM OVER. This means the NARROW profile end will be on the top of each “C” connection

6. To switch to a Hard Stop configuration flip each “C” connector so that the WIDE profile end is on top.
7. Making sure the WIDE profile is on top of each “C” connector, put all 4 pins through the holes to reassemble.
8. Raise the platform and reseal the Hex Screws and hand tighten snugly.
9. Lower platform and reseal the e-clips on the insides of the top connections.

CAUTION: The “C” Connectors should ALWAYS face with the mouth towards the user. NEVER rotate the connectors in a “D” configuration as this may damage the press.

“C” Connector
Narrow Profile

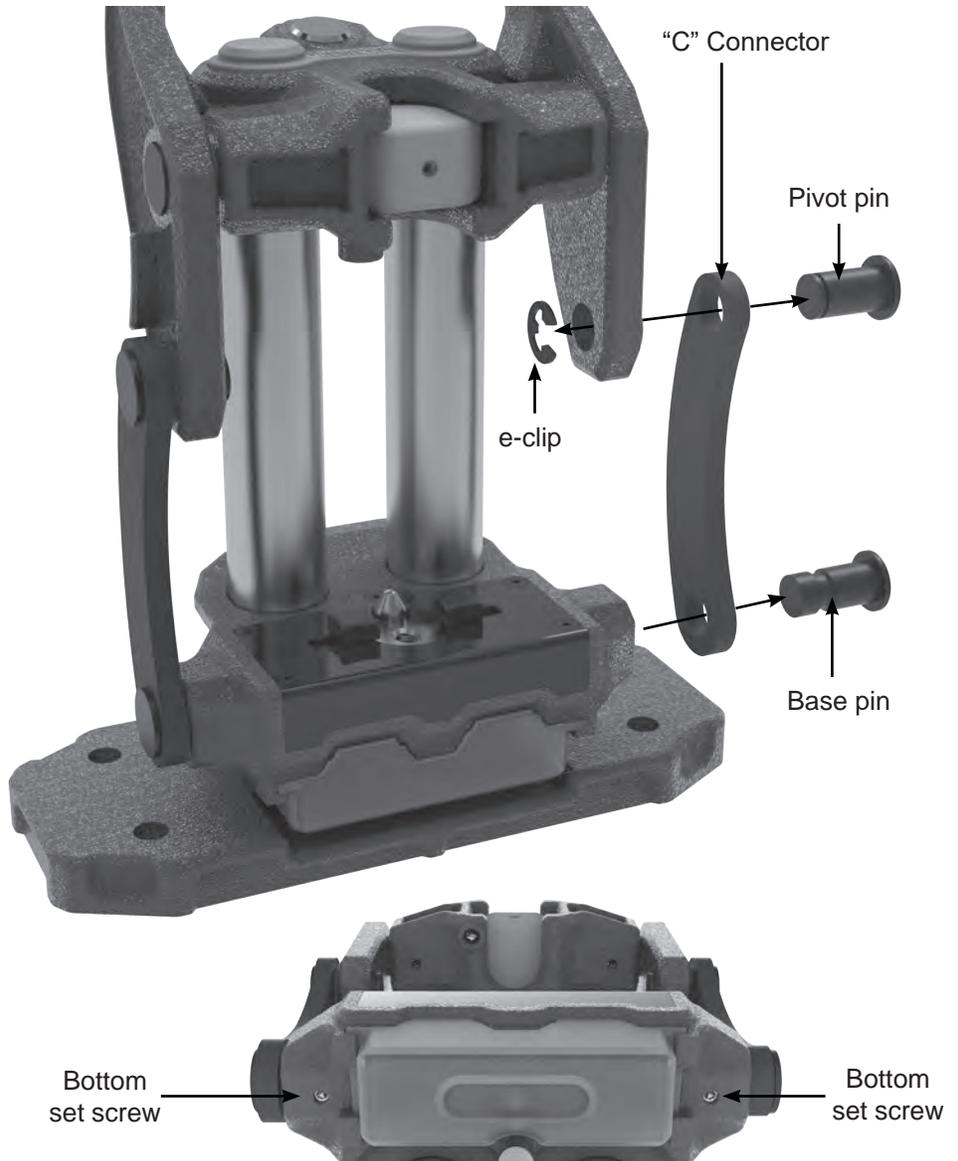


“C” Connector
Wide Profile



Narrow Profile

Wide Profile



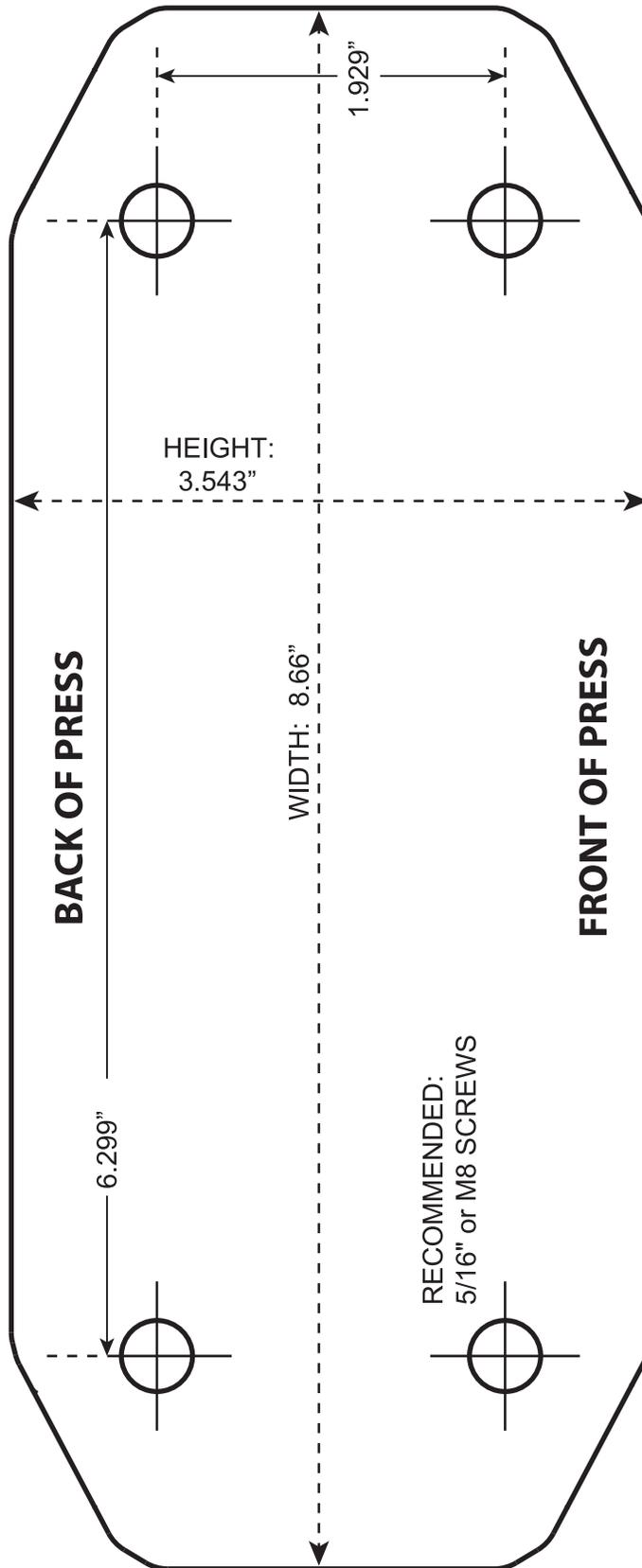


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Base Plate Diagram





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