

User Instructions for the Power Case Trimmer

Issue 4

1.0 GENERAL INFORMATION

- Fits on most standard drill presses (see Fig. 1).
- Specifications are the same as our **Original Case Trimmer**.
- The staggered tooth, high alloy steel cutter shaft provides fast, smooth, chatterless cutting.
- Superior shell holder design is based on a Brown & Sharpe-type collet that provides consistent length, case after case.
- Collets and Pilots are interchangeable with the **Original Case Trimmer**. Use our online database to determine which Pilots and Collets are right for the job. Go to www.forsterproducts.com and click on the **Search** tab. Pilots and Collets are available separately (see Section 6.0).
- Accommodates all six case trimmer accessories (see Section 8.0).

Figure 1. Power Case Trimmer Assembled and In Use on Your Drill Press



2.0 SAFETY INFORMATION

Always wear safety glasses.

3.0 PREPARATION (See Fig. 2)

- The Collet Screw and Collet Housing come out of the box fully assembled onto the Base (PT1010-013). In order to insert a Collet into the Collet Screw, these components need to be disassembled. Use the provided 5/32 Allen Wrench on the 10-32x3/4 Socket Head Cap Screw to remove the Collet Housing/Collet Screw assembly.

Figure 2. Power Case Trimmer Unassembled



- Have handy the following items:
 - Reliable manual to consult for correct case lengths.
 - Caliper for checking case lengths.
 - Grease.

NOTICE

DRILL PRESS PRECISION

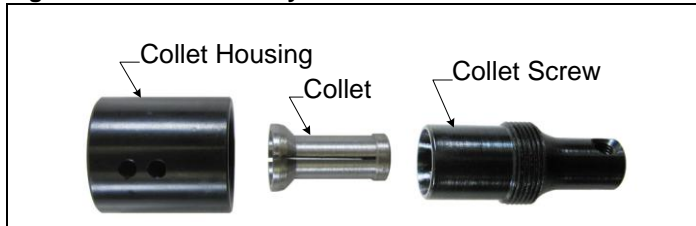
Ensure you periodically check and adjust your drill press for excessive vibration, play and wobble (runout), three factors that can negatively affect the performance of your drill press, and ultimately, the precision of the trimmed cases.

4.0 PROCEDURE

4.1 Assemble Collet (See Fig. 3)

1. Select the correct Collet for the case to be trimmed (see Section 1.0).
2. Apply a very small amount of grease to the front face and tapered portion of the Collet.
3. Place the Collet in the Collet Screw, then place the Collet Housing over the Collet Screw.
4. Turn the Collet Screw by hand until the Collet just touches the Collet Housing.
5. Re-fasten the Collet Screw/Collet Housing assembly to the Base using the 10-32x3/4 Socket Head Cap Screw.
6. Screw the Collet Locking Handle into the hole at the bottom of the Collet Screw.

Figure 3. Collet Assembly



4.2 Line Up Power Case Trimmer with Drill Press Spindle (See Fig. 4)

1. Place one end of the Line-Up Bar in the Collet and lock it in place by turning the Collet Locking Handle counter clockwise.
2. Place the other end of the Line-Up bar in the drill press chuck and lock it in place.

Figure 4. Line-up Bar in Use



4.3 Fasten Power Case Trimmer Base Assembly to Drill Press

- For drill presses with a center hole: Use the 3/8"-16 hole in the center of the Base to attach it to the drill press.
- For drill presses without center holes: Use the outer three holes in the Base and your own mounting screws to securely fasten it to a hardwood board, which may then be held by C-clamps on the drill press table.

4.4 Assemble Pilot in Cutter Shaft

Insert the correct Pilot in the Cutter Shaft. While holding the Pilot firmly against the Cutter Shaft teeth, lock it in place by tightening the Pilot Lock Screw with the provided 5/64" Allen Wrench.

4.5 Insert Case and Adjust for Length

1. With tension on the Collet released, insert the base of the case to be trimmed into the Collet.
2. Using the drill press quill feed, lower the Pilot into the neck of the case, gently pushing the base of the case against the bottom of the Collet. Ensure the base of the case is held firmly against the bottom of the Collet and the Pilot is supporting the inside case neck, then use the Collet Locking Handle to tighten the Collet Screw.

4.6 Make Trial Cut to Check Case Length

NOTICE

CHIP BUILDUP IN THE COLLET

Ensure the collet is cleaned with canned air or a compressor after trimming each case. Chip buildup in the collet will affect the precision of the trimmed cases.

1. Set the drill press speed to its lowest setting.
2. Lower the drill press quill feed to make a trial cut.
3. Remove the case and use a caliper to check its length.
4. Use the drill press spindle stop to control desired case length.
5. Consult a reliable manual for correct case length.

4.7 Trim Batch of Cases

1. The Case Trimmer is now set up to trim a batch of cases to the exact same length.
2. Label and save a master setup case that is trimmed to the correct length for each caliber. This will save setup time in future trimming operations.

5.0 AFTER USE

1. After trimming, a sharp edge will be evident on the case mouth. The inside and outside of this edge should be chamfered with our **Inside-Outside Deburring Tool (DB1000)**.
2. Store the Power Case Trimmer in a cool, dry location.

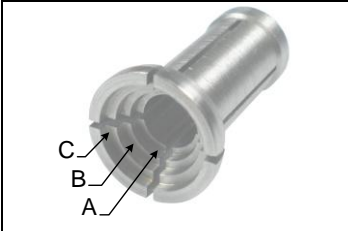
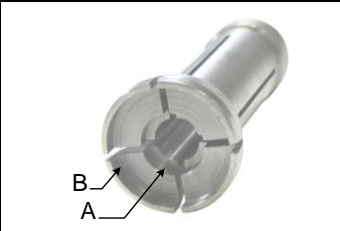
6.0 ORDERING INFORMATION

6.1 Collets and Pilots

Collet: Determine your case diameter at its rim. See Table 1 and choose the Collet that will accept your case rim.

Pilot: Determine your bullet diameter and order the Pilot which is most appropriate. For example, Pilot #30 (CT1030) will handle all rounds that use a .308" diameter bullet, meaning that one Pilot will work for a variety of calibers, including the 30-06, 308, 30 Carbine, 7.62 NATO and 300 Weatherby Mag. Note: Original and Classic Pilots are interchangeable.

Table 1. Power and Original Case Trimmer Collet Step Dimensions

						
Collet No.	A	B	C	Collet No.	A	B
CT2001 (#1)	.379"	.473"	.532"	CT2004 (#4)	.310"	.605"
CT2002 (#2)	.350"	.418"	.506"			
CT2003 (#3)	.356"	.440"	.545"			

Notes:

- Power and Original Case Trimmers manufactured before June 1, 2010, required a Collet Housing enlargement to .610" when using the #4 Collet; those manufactured after this date already have this modification (see section 7.0).
- #4 Collets manufactured after January 1, 2010, have two steps as shown in Table 1; those manufactured before this date have one step of .605".

6.2 Power Case Trimmer

Table 2. Complete Product

Order Number	Description
PT1010	Power Case Trimmer (includes Base, .490" dia Cutter Shaft and Line-up Bar)

6.3 Replacement Parts

Every product component is available individually. A complete list of component order numbers and prices is available on our website. Go to forsterproducts.com, then click on **Components/Parts List**.

7.0 MACHINING SERVICES

A complete list of services, including prices and lead times, is available on our website. Go to forsterproducts.com, then click on **Custom Machining Services**.

7.1 Power and Original Case Trimmer Collet Housing Enlargement (for trimmers manufactured before June 1, 2010)

Use of the #4 Collet requires that the Power and Original Case Trimmer Collet Housing opening be enlarged to .610". This will not affect the use of the #1, #2, or #3 Collet. The Collet Housing can be opened at the factory at no charge. Please return the Collet Housing only. Do not send the entire Case Trimmer.

7.2 Cutter Shaft Resharpener

If the cutter shaft does become dull after years of use, or after trimming several thousand cases, it can be resharpened at the factory. Please return the Cutter Shaft Only. Do not send the entire Case Trimmer.

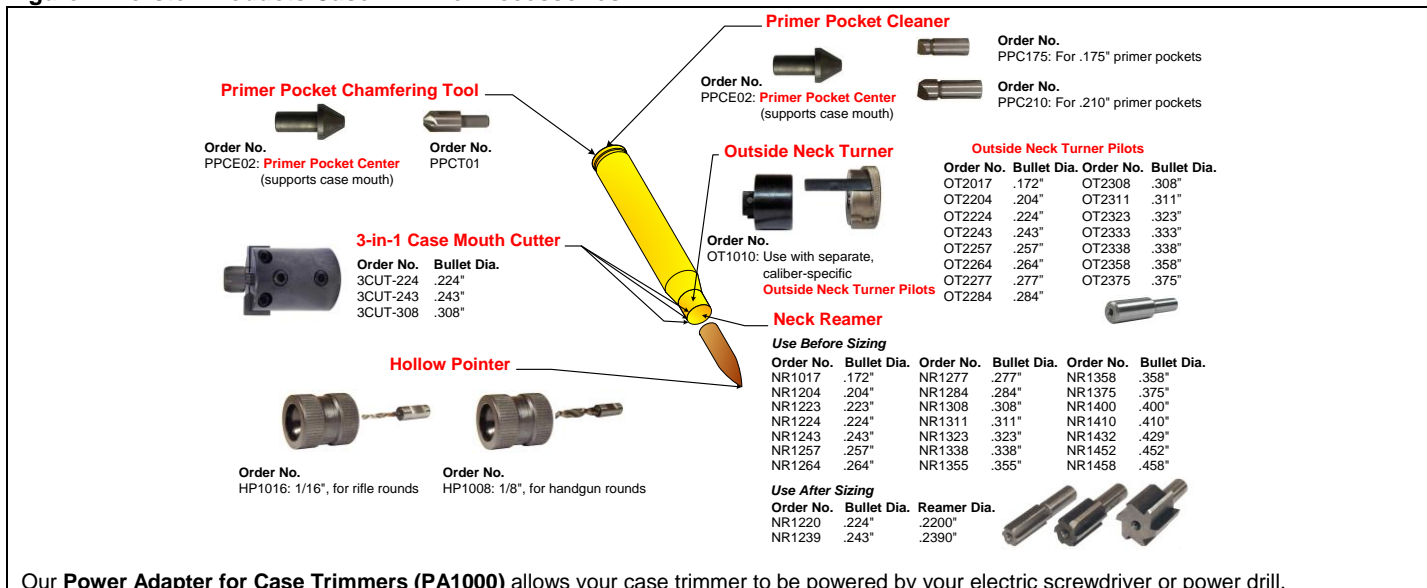
7.3 Special Case Trimmer Pilots

Any special size Case Trimmer Pilot within our size range can be ordered through our Resellers or directly through Forster Products. Please specify the exact diameter desired.

8.0 FORSTER PRODUCTS CASE TRIMMER ACCESSORIES

Your Case Trimmer is a versatile tool which can be expanded with the accessories shown in Fig. 4 to perform a variety of case conditioning operations.

Figure 4. Forster Products Case Trimmer Accessories



Our **Power Adapter for Case Trimmers (PA1000)** allows your case trimmer to be powered by your electric screwdriver or power drill.

Accessory Name	Function	Used on the Original Case Trimmer (CT1010) and the Power Case Trimmer (PT1010)	Used on the Classic Case Trimmer (CLCT100)
Outside Neck Turner (OT1010)	Removes excess brass from the outside neck wall. When used after case sizing, this process produces neck walls of uniform thickness and exact outside neck diameter. Used after case sizing.	yes	no
Neck Reamer (NR1###)	Removes excess brass from the inside case neck wall, as well as the "dreaded donut" of material that can accumulate after repeated firings. Used before sizing.	yes	yes
3-in-1 Case Mouth Cutter (3CUT-224, 3CUT-243, 3CUT-308)	Simultaneously chamfers the case neck inside and outside diameters, and trims case to length, all in one fast, easy step.	yes	no
Primer Pocket Cleaner (PPC175: for small primer pockets, PPC21: for large primer pockets)	Easily and quickly removes primer and powder residue. Used with the Primer Pocket Center .	yes	yes
Primer Pocket Chamfering Tool (PPCT010)	Chamfers military primer pockets, removing most, if not all, the crimp from military cases. Used with the Primer Pocket Center .	yes	yes
Hollow Pointer (HP1016, HP1018)	Hollow points most calibers of rifle and pistol cartridges in 1/16" and 1/8" size drills. Long and short case trimmer bases are available for hollow pointing long and short cartridges.	yes	yes

We recommend using our Resellers when ordering our products. Their experience and knowledge will help you select the best products that meet your specific requirements. In addition, they usually offer the best prices and convenient delivery options.

To find a Reseller, go to forsterproducts.com, then click on **Locate a Reseller**. If your Reseller cannot supply you, please contact Forster Products directly.

WARRANTY

Forster Products warrants goods of its manufacture against defects in materials and workmanship for the life of the product. Parts which, by nature of their function, are subject to normal wear (such as springs, pins, etc.) and parts which have been altered, abused or neglected, are excluded from the warranty. If the product is deemed defective by workmanship or materials, it will be repaired, reconditioned or replaced (at Forster Products' option). This warranty supersedes all other warranties for Forster Products whether written or oral.

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