



**FORSTER  
PRODUCTS™**  
Straight shooters

## Reloading & Gunsmithing Tools



**Catalog #82**



**ISO 9001:2008**

Forster adheres to ISO 9001:2008  
Quality Management System Standards.  
Forster Products' certificate  
CERT-05793-2006-AQ-HOU-RvA is  
accredited by independent auditor DNV.

# Forster Products™

## Straight Shooters™ since 1935

Forster Products has been making some of the world's most popular precision reloading and gunsmithing tools for almost 80 years. Many of our products are recognized as industry leaders such as the one-of-a-kind Co-Ax™ Press, our precisely made Headspace Gages, our versatile Universal Sight Mounting Fixtures, and our quality-manufactured and time-tested Case Trimmers. Discriminating shooters appreciate the quality construction and attention to detail, and Forster wouldn't do it any other way.

Today, Forster Products remains the reloading leader and the brand that serious gunsmiths trust. We make over 2,000 product listings to help you enjoy better shooting performance. Each one is:

- Designed to exacting specifications – some precise to within .0003" tolerance.
- Manufactured with an uncompromising focus on quality and reliability.
- Made in rural America by people who care about your shooting success.
- Distributed as quickly as possible amid high demand; we guarantee it is worth the wait.

**Need help picking the right product?** Call our knowledgeable Distributors (see our website for a complete listing) or our customer service staff. With so many choices, they can guide you through the selection process and provide insight as you review alternatives. They have a stellar reputation for helping customers select the best solution for their specific needs...chances are they can help you, too.



Look for these symbols to find helpful information throughout the catalog:



Custom  
Machining  
Services



Customer  
Comments



Product  
Tips



Web  
Information







## TABLE OF CONTENTS

### Reloading Tools

Case Conditioning System.....	4
Case Trimmers .....	6
Case Trimmer Accessories.....	12
Stand Alone Case Conditioning Accessories.....	17
Co-Ax™ Press and Accessories.....	18
Co-Ax™ Case and Cartridge Inspector.....	23
Datum Dial™ Ammunition Measurement System .....	24
Bench Rest™ Rifle Reloading Dies .....	26
Co-Ax™ Primer Seater and Case Neck Graphiter .....	34
Bullet Pullers and Collets .....	35

### Gunsmithing Tools

Universal Sight Mounting Fixture, Gunscrew Assortment.....	37
Headspace Gages.....	38
Screwdrivers and Screws.....	43
Other Tools .....	45

<b>Ordering Information.....</b>	<b>46</b>
----------------------------------	-----------

## The Forster Products™ Case Conditioning System

**WE MAKE CASE TRIMMING AND CONDITIONING EASY AND ACCURATE** with our popular and versatile Case Trimmer System.

Control your own reloading variables and keep ammunition costs down – there's no better way to ensure your reconditioned cases will chamber properly and perform with consistency than by using our modular system.

You can start small and add accessories as your reloading needs progress.



### STEP 1. Choose the Forster Products Case Trimmer that meets your caliber range.

Our Case Trimmer System begins with three quality-manufactured and time-tested miniature lathes that trim most calibers (see page 6).

#### Web



**Case Trimming Tools and Accessories Search:** To find the Case Trimmer model, Collets, Pilots, Trimmer Accessories, and Shell Holder Jaws for Co-Ax™ Press that work with your particular caliber, please use our handy online [search.forsterproducts.com](http://search.forsterproducts.com).



**Original**  
Trims most standard calibers from 17 cal. (.171") to 460 cal. (.459")



**Classic**  
Trims larger and classic black powder calibers



**50 BMG**  
Trims 50 BMG and Barrett calibers

### Our Case Trimmers share these superior features:

- Four staggered-tooth cutting edges made of high alloy steel provide fast, smooth, chatterless cutting for perfectly square case mouths. Cuts are bright and uniform.
- Bearing is hand-honed to fit the cutter shaft for a precision fit.
- Fine adjustment screw allows fine-tuning of case lengths to .001" or less.
- Extruded aluminum, I-beam-style base resists lathe torques.
- Original, Classic and Power Case Trimmers accommodate our range of specialized case conditioning accessories.

#### Want to skip the deburring so necessary after trimming cases to length?

You can do just that by using our 3-in-1 Case Mouth Cutter with long-lasting carbide blades.



This innovative product combines case trimming, inside deburring and outside deburring into one easy step. You can trim 250 to 400 cases per hour. The 3-in-1 mounts on the Original or Power Case Trimmer.

We also offer a power Original Case Trimmer that works with your drill press. The Power Case Trimmer provides a fast way to trim cases while still maintaining accuracy and integrity.



#### Need to trim a lot of cases fast?

Our Power Adapter for Case Trimmers provides a quick and affordable way to turn any of our miniature lathe Case Trimmers into a power Case Trimmer that lets you trim up to 200 cases per hour. Simply remove the handle from your Case Trimmer and replace it with this Power Adapter. Any power screwdriver or drill provides the power.







## STEP 2. Choose the Case Trimmer Collet and Pilot based on your specific case.



### Collets

Our range of eight Brown & Sharpe-style Collets is one of the secrets to precise and repeatable case trimming. After all, if the case isn't properly inserted and securely held in the case trimmer, any

subsequent conditioning or bullet seating operation will not be accurate, no matter the quality of the tool or the experience of the operator.

- The internal Collet steps ensure that the case head is firmly seated in the Collet, even when there is case rim diameter variation, unlike one-size-fits-all universal chuckheads or multi-piece shell holders.
- The tapered design ensures that the Collet securely closes on the case rim without pulling the case back. When you

lock a case in one of our Case Trimmers, it stays exactly where you put it.

- All Collets may be purchased individually. Several common sizes may be ordered in kit form, along with a selection of Pilots, with the Original and Classic Case Trimmers.

### Pilots

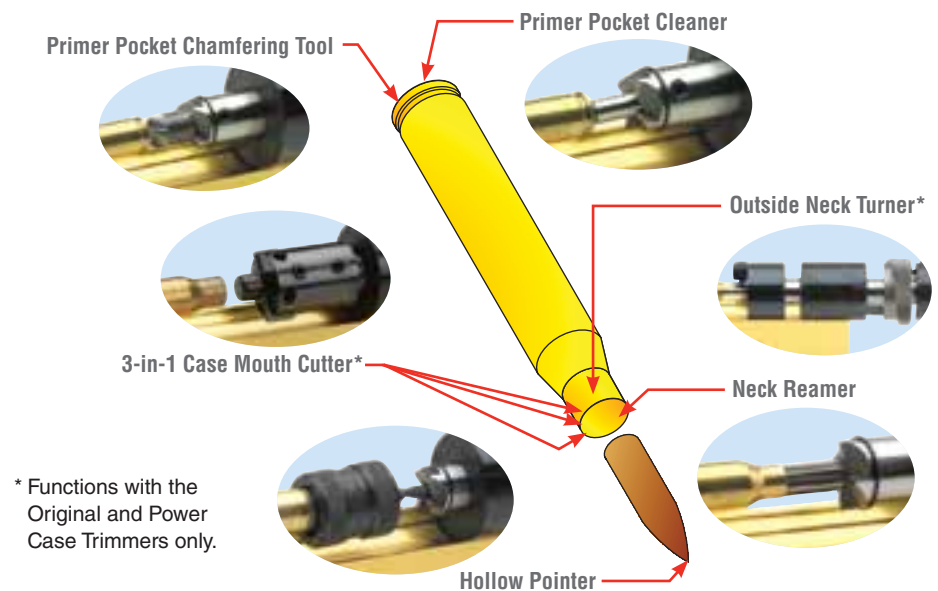
The Pilot functions as a mandrel that guides the cutter for precise case trimming. We offer 36 different Pilot sizes.



## STEP 3. Add any or all of our six specialized case conditioning accessories to meet your needs.

After trimming your cases to length, you can properly prepare them for priming and bullet seating. Our system easily expands to perform a variety of important case preparation functions. These accessories are fully functional with Original, Classic or Power Case Trimmers.

**Installation is easy.** Depending on the accessory, just slide it into the Pilot hole or over the Cutter Shaft, and secure with a set screw adjustment.



\* Functions with the Original and Power Case Trimmers only.

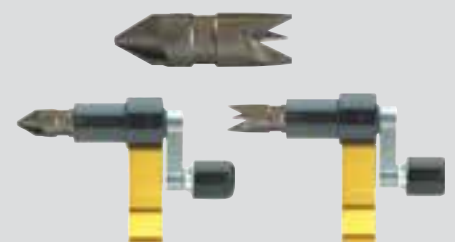
### HAND HELD ACCESSORIES

We also manufacture hand held accessories to cover larger caliber needs and provide versatility in the field.

Our Hand Held Outside Neck Turner is the industry's only hand held carbide neck wall thickness cutter.



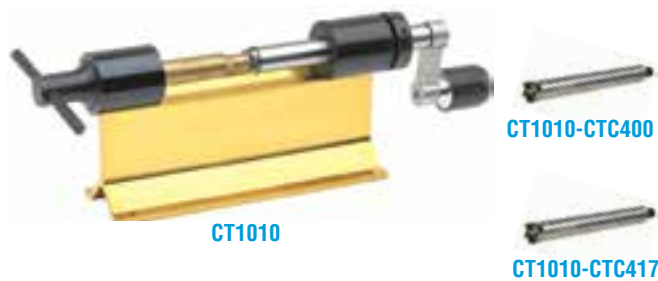
Our Deburring Tool is available with or without the Deburring Tool Base and may be used with the Power Adapter.



**Need a special size Collet, Pilot or Reamer?** We custom machine to your exact specifications. We also offer replacement parts for any component in the Case Trimmer and accessory line, as well as our hand held accessories. See page 46 for details.

## Original Case Trimmer

The old standby for most calibers.



### Features

- Trims most standard calibers from .171" to .459".
- .490" diameter Cutter Shaft (17 cal. Cutter Shaft required for 17 cal.).
- 5 3/8" long Base.
- Uses Collets #1 through #4.
- Collets and Pilots ordered separately (see pages 9-11).
- Accommodates all six case trimmer accessories (see pages 12-16).

Order No.	Description
CT1010	Original Case Trimmer
CT1010-CTC400	Replacement .490" Cutter Shaft
CT1010-CTC417	17 cal. Cutter Shaft (required for 17 cal.)

**Note:** 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.

## Classic Case Trimmer

Suitable for more than 300 big bore calibers.



### Features

- Trims larger and classic black powder calibers.
- Trims case lengths from 1 7/8" through 4 1/8".
- Use the Standard Base (CT1010-CTB101, see page 7) to trim shorter cases.
- .552" diameter Cutter Shaft.
- 6 1/2" long Base.
- Uses Collets #5 through #8.
- Collets and Pilots ordered separately (see pages 9-11).

Order No.	Description
CLCT00	Classic Case Trimmer
CLCT00-CTC400	Replacement .552" Cutter Shaft

## 50 BMG Case Trimmer

Designed specifically for the reloading needs of 50 BMG and Barrett cartridges.



### Features

- Trims .50 BMG and Barrett cases.
- .615" diameter Cutter Shaft.
- 7" long Base.
- Includes 510 Pilot and case rim holder (no Collet required).
- Variations in case brass thickness may require a 505 Pilot (order separately).

Order No.	Description
50BMGCT	50 BMG Case Trimmer (includes 510 pilot)
50BMGCT-CTC400	Replacement .615" Cutter Shaft
CT1505	505 pilot (optional)

### Our Customers Say

I have one original Case Trimmer. I asked some friends about it, and the serious reloaders are unanimous: Forster's are the Rolls Royce of Trimmers. That's the right choice.

Minot, ND

### Custom Machining Services

Years of use can dull your Cutter Shaft. We offer resharpener at our factory. See page 46 for details.



## Original and Classic Case Trimmer Kits

Each kit includes a Case Trimmer and a selection of Collets and Pilots to satisfy the needs of most rifle handloaders.

### Original

CTK100



Order No.	Description
CTK100	Original Case Trimmer Kit. includes Original Case Trimmer; Collets #1, #2, #3; Pilots 22, 24, 25, 27, 28, 30

### Classic

CTK300



Order No.	Description
CTK300	Classic Case Trimmer Kit. includes Classic Case Trimmer; Collets #5, #6, #7; Pilots 458, 505, 510

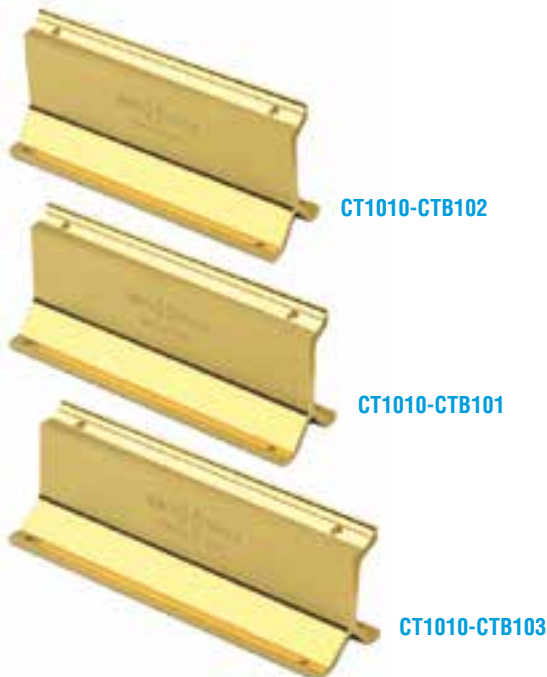
#### Tip



To add an extra 1/2" of adjustment (in two, 1/4" increments), use the outer set of holes on the Case Trimmer Collet Housing and Bearing to re-mount them to the Base.

## Case Trimmer Bases

Optional bases for the Original and Classic Case Trimmers.



#### Description

- **Short Base (4 5/8" long):** used with the Original Case Trimmer for trimming 9mm Luger or shorter.
- **Standard Base (5 3/8" long):** used with the Classic Case Trimmer to trim shorter cases, already included with the Original Case Trimmer.
- **Long Base (6 1/2" long):** used with the Original Case Trimmer for outside neck turning cases and hollow pointing cartridges longer than 2.80", already included with the Classic Case Trimmer.

Case Trimmer Base Style	Case Trimmer Type and Base Length	MIN Case Length	MAX Case Length
Original Case Trimmer (CT1010)	4 5/8" base	0.00"	2.375"
	5 3/8" base (std)	.750"	3.125"
	6 1/2" base	1.875"	4.250"
Classic Case Trimmer (CLCT00)	4 5/8" base	.125"	2.250"
	5 3/8" base	.875"	3.00"
	6 1/2" base (std)	2.00"	4.125"

#### Tip



An adjustment of 1/2" (in 1/4" increments) is built into the Original Case Trimmer, allowing its capacity to be widened before it becomes necessary to use a Long Base (6 1/2"). To adjust, use the outer set of holes on the Collet Housing and Bearing to mount them to the Base.

Power Case Trimmer

This Case Trimmer fits on most standard drill presses and provides a very fast way to trim cases while still maintaining accuracy.



Features

- Specifications are the same as the Original Case Trimmer.
- The stop on your drill press spindle controls the case length. The Line-up Bar helps guarantee simple, accurate alignment of your Case Trimmer and the drill press spindle.
- Collets and Pilots are interchangeable with the Original Case Trimmer. See Collet and Pilot ordering information on pages 9-11.
- Accommodates all six case trimmer accessories (see pages 12-16).

Order No.	Description
PT1010	Power Case Trimmer (includes Line-up Bar, Base and .490 Cutter Shaft)
PT1010-PCT400	Replacement .490" Power Cutter Shaft
PT1010-PCT417	17 cal. Cutter Shaft (required for 17 cal.)

Power Adapter for Case Trimmers

An easy and affordable way to turn any of your Forster Products miniature lathe Case Trimmers into a powered Case Trimmer.



Features

- To operate, simply remove the handle from your Case Trimmer and replace it with this adapter.
- The Case Trimmer cutter shaft and stop collar are unchanged, so accurate case length settings are maintained.
- Your power screwdriver or drill provides the power.

Order No.	Description
PA1000	Power Adapter for Case Trimmers

Our Customers Say

I am in disbelief over the precision and accuracy of your products. I trimmed 40 cases, and there was not one variation.

Avondale, AZ



## How to Order Collets and Pilots

### Collet

Determine your case diameter at its rim. See Table 4 or 5 (pages 10 and 11) and choose the Collet that will accept your case rim. (Tables 1 and 2 are given for reference and show the actual step dimensions of each Collet.)

**Note:** Original and Classic Case Trimmer Collets **are not** interchangeable.

**Table 1. Original (CT1010) and Power (PT1010) Case Trimmer Collet Step Dimensions**

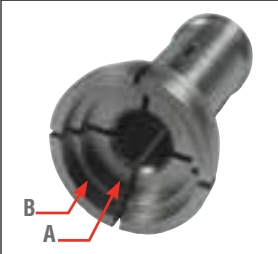
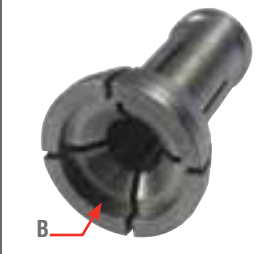
Diagram of Original Case Trimmer Collet (CT1010) showing steps A, B, and C. Red arrows point to the internal components: A points to the central pin, B points to the inner sleeve, and C points to the outer sleeve.

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

Diagram of Original Case Trimmer Collet (CT2004) showing steps A and B. Red arrows point to the internal components: A points to the central pin, and B points to the inner sleeve.

Order No. (Collet No.)	A	B
CT2004 (#4)	.310"	.605"

**Table 2. Classic (CLCT00) Case Trimmer Collet Step Dimensions**

	Order No. (Collet No.)	A	B
	CT2005 (#5)	.584"	.675"
	CT2006 (#6)	.545"	.660"
	Order No. (Collet No.)	A	B
	CT2007 (#7)	—	.640"
	CT2008 (#8)	—	.610"

**Notes:**

- 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.
- #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".

### Pilot

Determine your bullet diameter and order the Pilot that 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 Wby. Mag.

**Note:** Original and Classic Case Trimmer Pilots **are** interchangeable.

**Table 3. Sequential Listing of Available Case Trimmer Pilots (all pilots below fit the Original, Classic, 50 BMG or Power Case Trimmers)**

Order Number	Number Stamped on Individual Pilot	Pilot Dia.
CT1017	17 <sup>(1)</sup>	.171"
CT1020	20	.1995"
CT102-	2-	.2185"
CT1022	22	.2195"
CT1024	24	.2385"
CT1025	25	.2525"
CT1026	26	.2580"
CT1027	27	.2730"
CT1028	28	.2790"
CT1030	30	.3035"
CT1031	31	.3060"
CT1032	32	.3180"
CT1033	33	.328"
CT103-	3-	.333"
CT1034	34	.343"
CT1351	351	.351"
CT1035	35	.353"
CT1368	368	.3625"
CT1375	375	.3705"
CT1400	400	.3955"
CT1405	405	.4015"
CT1410	410	.4050"
CT1416	416	.4100"
CT1422	422	.4185"
CT1432	432	.424"
CT1452	452	.447"
CT1455	455	.450"
CT1458	458	.453"
CT1468	468	.4645"
CT1474	474	.4705"
CT1483	483	.4795"
CT1489	489	.4855"
CT1500	500	.4965"
CT1505	505	.5015"
CT1510	510	.5065"
CT1513	513	.5085"

**Note (1):** Requires 17 cal. Cutter Shaft.

### Web



Use our Case Trimming Tools and Accessories Search to help you determine which Pilots and Collets are right for the job. See page 46 for details, or go to [search.forsterproducts.com](http://search.forsterproducts.com).

**Table 4. Order Guide for Original (CT1010) and Power (PT1010) Case Trimmer Pilots and Collets (listed from smallest to largest bullet diameter)**

Cartridge Name	Bullet Diameter	Pilot Order Number	Collet Order Number
17 Rem.(1)	.172"	CT1017 <sup>(1)</sup>	CT2001
204 Ruger	.204"	CT1020	CT2001
22 Hornet, 22 K Hornet	.224"	CT102-(2)	CT2002 or CT2003
222 Rem., 222 Rem. Mag., 223 Rem., 225 Win., 22-250, 220 Swift, 221 Fireball, 22 PPC, 22 B.R. Rem.	.224"	CT1022	CT2001
218 Bee, 218 Mashburn, 219 Zipper, 219 Wasp	.224"	CT1022	CT2002
228 Krag, 22 Jet C.F. Mag., 224 Varminter, 224 Wby.	.224"	CT1022	CT2003
243 Win., 6mm Dasher, 6x47 Lapua, 244 Rem., 6mm B.R. Rem.	.243"	CT1024	CT2001
6mm PPC, 6mm Krag, 6mm Krag Long	.243"	CT1024	CT2003
257, 250 Ackley, 25 Souper, 25-06	.257"	CT1025	CT2001
25-20 Repeater, 25-35	.257"	CT1025	CT2002
25 Krag Imp., 256 Win.	.257"	CT1025	CT2003
250 Sav., 250-3000	.258"	CT1025	CT2001
25 Rem.	.259"	CT1025	CT2002
6.5x257 Jap., 256 Newton, 260 A.A.R., 264 Win. Mag., 260 Rem., 6.5x47 Lapua, 6.5x57 Mauser, 6.5mm Win.	.264"	CT1026	CT2001
6.5 Jap Mauser, 6.5x55 Swede, 6.5x55 SKAN	.264"	CT1026	CT2001
270 Win., 270 Sav., 270 Gibbs, 270 Wby., 270 Ackley, 257 H&H	.277"	CT1027	CT2001
7x57 Mauser, 7mm Wby., 7mm-08, 280 Rem., 284 Win., 7mm Rem. Mag., 7mm B.R. Rem.	.284"	CT1028	CT2001
7x64	.285"	CT1028	CT2001
30 Rem.	.307"	CT1030	CT2002
30-06, 308 Win., 300 Mag., 7.62 NATO, 300 Sav., 300 AAC BLK	.308"	CT1030	CT2001
30-30, 30 WCF, 7.5x55 Swiss	.308"	CT1030	CT2002
30-40 Krag, 30 Carbine, 30-40 Imp., 300 Rem. Ultra Mag., 300 Win. SHORT Mag. (300 WSM)	.308"	CT1030	CT2003
300 Norma Mag.	.308"	CT1030	CT2004 <sup>(3)</sup>
7.62x39	.311"	CT1030	CT2003
7.7mm Jap.	.311"	CT1031	CT2001
303 British, .65 Mauser	.312"	CT1031	CT2001
32-20	.312"	CT1031	CT2002
32 Rem., 32-40	.322"	CT1032	CT2002

Cartridge Name	Bullet Diameter	Pilot Order Number	Collet Order Number
8x57 Mauser K, 8x57JS, 8x57 Rimmed, 8x60, 7.92x57, 8mm-06, 8mm Mauser	.323"	CT1032	CT2001
32 Win. Spec.	.323"	CT1032	CT2002
333 Win., 33 Ackley	.333"	CT1033	CT2001
338 Win., 338 Win. Mag., 338 Gibbs, 340 Wby. Mag.	.338"	CT103-	CT2001
33 Win., 338 Norma Mag., 338 Lapua Mag.	.338"	CT103-	CT2004 <sup>(3)</sup>
348 Win.	.348"	CT1034	CT2004 <sup>(3)</sup>
9mm Luger	.355"	CT1351	CT2002
380 Auto	.356"	CT1351	CT2001
35 Rem., 358 Win., 358 Norma Mag.	.358"	CT1035	CT2001
38 Colt Super	.358"	CT1035	CT2002
38 Special, 357 Mag., 35 Win.	.358"	CT1035	CT2003
9.3mmx74R, 9.3mmx62	.366"	CT1368	CT2001
375 Mag., 375-06, 375 Barnes, 375 Wby., 375 Ackley, 375 H&H, 375 Ruger	.375"	CT1375	CT2001
375 Win.	.375"	CT1375	CT2002
38-50, 378 Wby.	.375"	CT1375	CT2004 <sup>(3)</sup>
38-40	.400"	CT1400	CT2001
10mm Auto Pistol, 40 S&W	.400"	CT1400	CT2003
41 Colt, 401 Win., 41 S&W	.401"	CT1400	CT2001
41 Rem Mag.	.410"	CT1410	CT2002
416 Wby., 416 Rigby	.416"	CT1416	CT2004 <sup>(3)</sup>
44-40	.429"	CT1432	CT2001
44 S&W Spec., 44 Rem Mag., 44 Marlin Mag.	.430"	CT1432	CT2001
45-90 Sharps Straight	.451"	CT1452	CT2004 <sup>(3)</sup>
45 ACP, 45 Auto Rim., 45 Win. Mag.	.452"	CT1452	CT2001
45 Long Colt	.452"	CT1452	CT2001 or CT2002
450 Watts, 458 Win., 450 Ackley Mag., 460 Wby.	.458"	CT1458	CT2001
45-70	.458"	CT1458	CT2004 <sup>(3)</sup>

**Notes:**

- (1) Requires 17 cal. Cutter Shaft.
- (2) Valid when using a .223" dia. bullet.
- (3) 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.

**Custom Machining Services**



We can manufacture any custom Case Trimmer Pilot within the size range of .171" to .508" or Case Trimmer Collet within the size range of .275" to .600"  
See page 46 for details.

**Web**



Tables 4 and 5 do not show every cartridge that may be trimmed with our Case Trimmers. Use our Case Trimming Tools and Accessories Search if your cartridge is not listed here. See page 46 for details, or go to [search.forsterproducts.com](http://search.forsterproducts.com).



**Table 5. Order Guide for Classic (CLCT00) Case Trimmer Pilots and Collets**  
(listed from smallest to largest bullet diameter)

Cartridge Name	Bullet Diameter	Pilot Order Number	Collet Order Number
280 Halger Mag.	.284"	CT1028	CT2005
208 Jefferey, 280 Ross HDS Cyl.	.287"	custom <sup>(2)</sup>	CT2006
280 Nitro Express Rimmed Flanged	.287"	custom <sup>(2)</sup>	CT2008
7.62x54 Russian, 30 Holland Super 30 Mag. Flanged	.308"	CT1030	CT2005
7.7x60 R	.308"	CT1030	CT2008
303 Mag.	.311"	CT1031	CT2005
333 Jefferey Flanged, 333 Rimmed Jefferey Flanged	.333"	CT1033	CT2007
33 Win.	.338"	CT103-	CT2008
35 Newton	.357"	CT1035	CT2006
35 Win.	.358"	CT1035	CT2006
360 Nitro Express #2	.367"	CT1368	CT2007
9.5x47 R <sup>(1)</sup> , 375 Mag. Flanged, 378 Wby.	.375"	CT1375	CT2005
9.5x73 Miller Greiss Mag.	.375"	CT1375	CT2006
369 Nitro Express Purdy	.375"	CT1375	CT2007
38-56 Win.	.375"	CT1375	CT2008
38-90 Win. Express	.376"	CT1375	CT2005
38-72 Win.	.376"	CT1375	CT2006
38-70 Win.	.376"	CT1375	CT2008
40-90 Sharps Straight	.403"	CT1400	CT2005
40-60 Marlin, 40-90 Sharps Bottle Neck, 40-70 Sharps Bottle Neck	.403"	CT1400	CT2008
40-50 Sharps Straight	.403"	CT1400	custom <sup>(2)</sup>
40-60 Win. <sup>(1)</sup>	.404"	CT1405	CT2007
10.25x69 R, 450-400 Nitro Express for Black Powder 2 3/8"	.405"	CT1405	CT2007
40-70 Win.	.405"	CT1405	CT2008
40-65 Win.	.406"	CT1405	CT2008
40-82 Win.	.408"	CT1405	CT2008
450-400 Nitro Express Birmingham Proof	.410"	CT1410	CT2007
40-75 Ballard	.410"	CT1410	CT2008
405 Win.	.411"	CT1410	CT2006
416 Rigby	.416"	CT1416	CT2005
10.3x60 Swiss	.416"	CT1416	CT2007
33-70 Maynard 1882	.416"	CT1416	CT2008

Cartridge Name	Bullet Diameter	Pilot Order Number	Collet Order Number
11mm German Service Revolver <sup>(1)</sup> , 404 Jefferey Rimless Nitro Express	.422"	CT1422	CT2006
11mm Belgian Albini, 11mm Belgian Comblain	.432"	CT1432	CT2005
11mm Murata	.432"	CT1432	CT2007
43 Rem. Spanish	.440"	custom <sup>(2)</sup>	CT2007
44-100 Sharps, 44-77 Sharps Rem., 44-90 Sharps Win., 44-105 Sharps Win., 44-100 Sharps Win.	.446"	custom <sup>(2)</sup>	CT2007
45-100 Sharps Straight	.451"	CT1452	CT2008
500-450 Mag. Nitro Express 3 1/4"	.454"	CT1455	CT2006
45-60 Win.	.454"	CT1455	CT2007
45-100 Ballard	.454"	CT1455	CT2008
45-82 Win., 45-90 Win.	.457"	CT1458	CT2008
11mm Beaumont M/71	.458"	CT1458	CT2005
458 Lott	.458"	CT1458	CT2006
450 Nitro Express Straight 3 1/4", 460 Guns and Ammo Mag.	.458"	CT1458	CT2007
45-120 Sharps Straight, 45-70 Gov.	.458"	CT1458	CT2008
500-465 Nitro Express	.468"	CT1468	CT2006
44-60 Sharps Rim <sup>(1)</sup>	.468"	CT1468	CT2007
470 Nitro Express	.474"	CT1474	CT2006
470 Capstick	.475"	CT1474	CT2006
476 Nitro Express	.476"	CT1474	CT2006
474 #2 Nitro Express 3 1/2"	.483"	CT1483	CT2005
50 Action Express <sup>(1)</sup>	.502"	CT1500	CT2006
505 Gibbs Mag.	.505"	CT1505	CT2007
500 Nitro Express 3 1/4", 500 Nitro Express 3"	.510"	CT1505 or CT1510	CT2006
50-140 Sharps 3 1/4", 50-90 Sharps	.510"	CT1510	CT2005
50-115 Ballard	.510"	CT1510	CT2007
50-70 Gov. <sup>(1)</sup>	.513"	CT1513	CT2005
50-95 Win. <sup>(1)</sup>	.513"	CT1513	CT2007

**Notes:**

- (1) Requires Standard Case Trimmer Base (CT1010-CTB101, see page 7).  
 (2) Requires Custom Machining Services. See page 46.

**Our Customers Say**

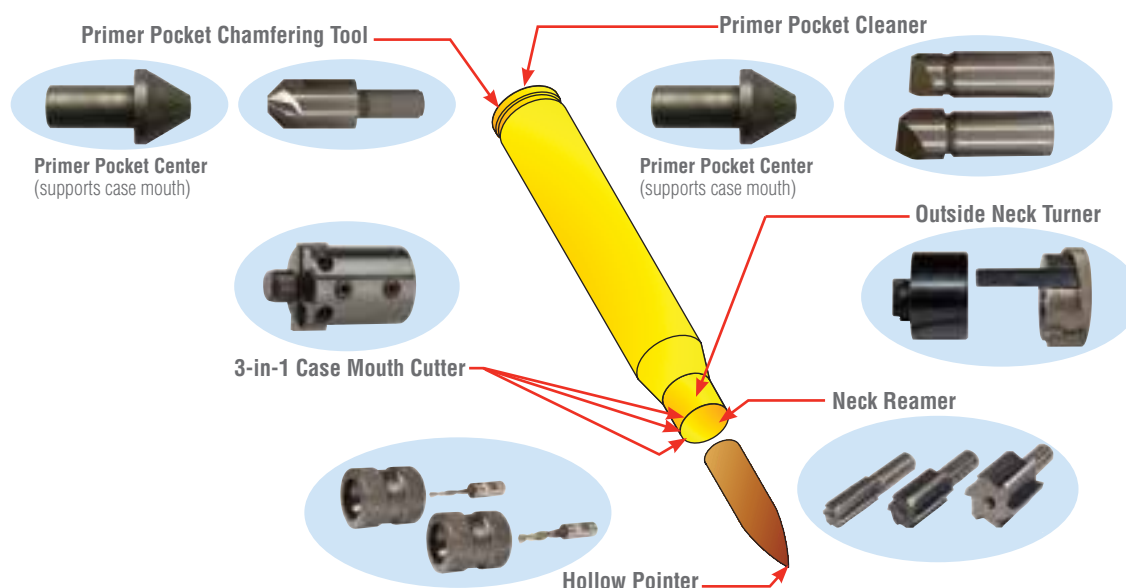


I wanted to express how much I love your products. Because of the great quality of your products, I would change out all of my equipment – even if my rifles didn't perform better. Thanks for making wonderful equipment.

*Farmington, NY*



## An Accessory for Every Stage of the Case Conditioning Process



Accessory Name	Requirement	Function	Used on the Original Case Trimmer (CT1010) and the Power Case Trimmer (PT1010)	Used on the Classic Case Trimmer (CLCT00)
<b>Outside Neck Turner</b>	In terms of improved accuracy, no single reloading function provides a greater return on your time investment than turning eccentric case necks to a consistent wall thickness. If the brass is thicker on one side of the case than the other, the thin side releases the bullet first and causes a slight bullet-to-bore misalignment that can seriously impair accuracy. Note: We also offer a Hand Held Outside Neck Turner (see page 17).	The Outside Neck Turner 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
<b>Neck Reamer</b>	At the point of ignition, brass must expand properly to release the bullet. Failure to have adequate clearance can ruin rifles and may even cause injury.	The Neck Reamer 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 case sizing.	yes	yes
<b>3-in-1 Case Mouth Cutter</b>	One-step case trimming and deburring.	The 3-in-1 Case Mouth Cutter simultaneously chamfers the case neck inside and outside diameters and trims the case to length, all in one fast, easy step.	yes	no
<b>Primer Pocket Cleaner</b> (Used with the Primer Pocket Center)	Spent primer and powder residue must be removed after each firing to ensure consistent ignition and reduction of misfires.	The Primer Pocket Cleaner easily and quickly removes primer and powder residue.	yes	yes
<b>Primer Pocket Chamfering Tool</b> (Used with the Primer Pocket Center)	Crimp must be removed after firing to ensure proper seating of new primers.	The Primer Pocket Chamfering Tool chamfers military primer pockets, removing most, if not all, of the crimp from military cases.	yes	yes
<b>Hollow Pointer</b>	Precision shooters want to fine-tune bullet weight, which may improve ballistics, particularly when adjusting for different barrel twist. Hunters want to substantially increase bullet expansion on impact while using either factory cartridges or reloads.	The Hollow Pointer drills a cavity in the nose of cast or jacketed softnose bullets.	yes	yes



## Outside Neck Turner

Turns your case neck concentric to its true axis, unlike hand-held neck turners which are centered only on the pilot. Use after the case neck has been resized and expanded.



### Features

- Adjustable, circular carbide cutter provides years of reliable use.
- Installs over the Case Trimmer Cutter Shaft.
- To operate, you control the rate of feed by rotating the feeder cam while a cam follower controls the length of the cut.
- To change calibers (any diameter from .204" to .375"), simply insert the correct Pilot and make the necessary adjustments to the carbide cutter.
- Properly adjusted, will turn necks to within a tolerance of  $\pm .0001$ ".
- Cases longer than .375 Magnum (2.94") require a Long Case Trimmer Base (CT1010-CTB103, see page 7).

Order No.	Description
OT1010	Outside Neck Turner
OT1010-012 Reg	Replacement Carbide Cutter
OT1010-012 .17(1)	17 cal. Carbide Cutter

**Note (1):** Requires a 17 cal. Cutter Shaft.

## Outside Neck Turner Pilots



### Custom Machining Services



Custom Pilots can be machined to your specifications. See page 46 for details.

### Features

- This longer, hardened and ground Pilot of the desired caliber replaces the Pilot used when case trimming.
- Pilots are .0020" to .0025" smaller than bullet diameter.
- Outside Neck Turner Pilots **are not** interchangeable with the Hand Held Outside Neck Turner Pilots on page 17.

Order No.	Bullet Dia.	Pilot Dia.	Order No.	Bullet Dia.	Pilot Dia.
OT2017 <sup>(1)</sup>	.172"	.1685"	OT2308	.308"	.3055"
OT2204	.204"	.2015"	OT2311	.311"	.3085"
OT2224	.224"	.2215"	OT2323	.323"	.3205"
OT2243	.243"	.2405"	OT2333	.333"	.3305"
OT2257	.257"	.2545"	OT2338	.338"	.3355"
OT2264	.264"	.2615"	OT2358	.358"	.3545"
OT2277	.277"	.2745"	OT2375	.375"	.3725"
OT2284	.284"	.2815"			

**Note (1):** Requires a 17 cal. Cutter Shaft and a 17 cal. Carbide Cutter.

## Neck Reamers

Removes excess brass from inside the case neck wall. Use after the cases have been fired with a full load and before the neck or full-length sizing operation.



### Features

- Manufactured from high-grade, wear-resistant tool steel.
- Staggered tooth design cuts brass smoothly without chattering.
- Installs in the Case Trimmer Cutter Shaft in place of the Pilot.
- Machined .0025" to .003" larger than bullet diameter.

### Custom Machining Services



Neck Reamers can be machined to your specifications. Wildcaters often require custom-sized Neck Reamers when converting brass from one caliber to another. See page 46 for details.

Order No.	Bullet Dia.	Neck Reamer Dia.	Order No.	Bullet Dia.	Neck Reamer Dia.
NR1017 <sup>(1)</sup>	.172"	.1730"	NR1323	.323"	.3255"
NR1204	.204"	.2065"	NR1338	.338"	.3405"
NR1224	.224"	.2265"	NR1355	.355"	.3575"
NR1243	.243"	.2455"	NR1358	.358"	.3605"
NR1257	.257"	.2595"	NR1375	.375"	.3780"
NR1264	.264"	.2665"	NR1400	.400"	.4025"
NR1277	.277"	.2795"	NR1410	.410"	.4125"
NR1284	.284"	.2865"	NR1432	.429"	.4325"
NR1308	.308"	.3110"	NR1452	.452"	.4545"
NR1311	.311"	.3135"	NR1458	.458"	.4605"

**Note (1):** Requires a 17 cal. Cutter Shaft.

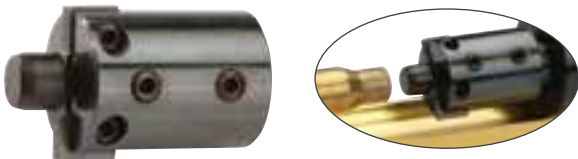
Wildcat conversions are so popular with the .224" and .243" bullet diameters that Forster Products offers Neck Reamers for these sizes as standard, off-the-shelf products. Use after the sizing operation.

Order No.	Bullet Dia.	Neck Reamer Dia.
NR1220	.224"	.2200"
NR1239	.243"	.2390"



3-in-1 Case Mouth Cutter

Carbide blades simultaneously perform three functions in one simple step to save time and improve consistency (see Fig. 1).



3CUT-XXX

- Trims the case to length.
- Chamfers the inside case mouth to an angle of 14°.
- Chamfers the outside case mouth to an angle of 30°.

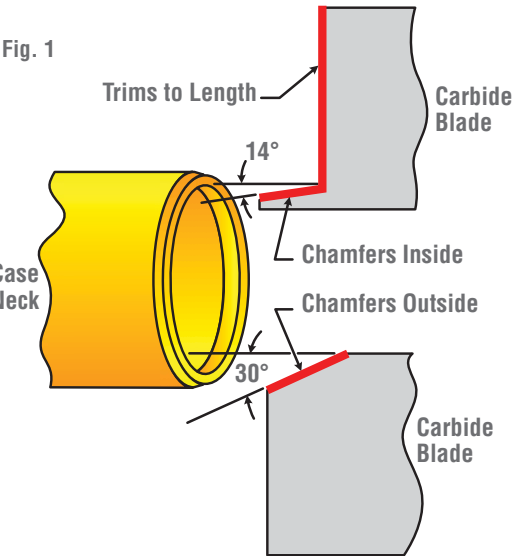
Features

- First three-in-one cutter on the market to use high-quality blades made from US-manufactured carbide steel. If used exclusively on brass cases, these blades should never need sharpening.
- Carbide cutter blades are factory adjusted on the blade holder, ensuring precise cutting.
- Installs by sliding over the Case Trimmer Cutter Shaft and secures with one set screw.

Order No.	Description
3CUT-224	3-in-1 Case Mouth Cutter for 224, (includes Pilot)
3CUT-243	3-in-1 Case Mouth Cutter for 243 (6mm), (includes Pilot)
3CUT-264	3-in-1 Case Mouth Cutter for 264 (6.5mm), (includes Pilot)
3CUT-284	3-in-1 Case Mouth Cutter for 284 (7mm), (includes Pilot)
3CUT-308	3-in-1 Case Mouth Cutter for 308 (includes Pilot)

**Tip**

For cases up to 2.20" long, use the base that comes with the Original Case Trimmer. For cases longer than 2.20", use a Long Base (CT1010-CTB103, see p. 7), which can handle cases from 1.0" to 3.30" when used with the 3-in-1 Case Mouth Cutter.



## Primer Pocket Center

Supports the case mouth when used with the Primer Pocket Cleaner and the Primer Pocket Chamfering Tool.

PPCE02



Order No.	Description
PPCE02	Primer Pocket Center

## Primer Pocket Cleaner

Quickly and easily removes powder and primer residue without cutting into the primer pocket web.

PPC175



PPC210



### Features

- Manufactured from high alloy steel.
- Installs in the Case Trimmer Cutter Shaft in place of the Pilot.
- Used with the Primer Pocket Center (PPCE02, above) to support the case mouth.
- Hold the case mouth over the Primer Pocket Center with one hand and turn the Case Trimmer handle with the other.

Order No.	Description
PPC175	Small Primer Pocket Cleaner for .175" Primers (Primer Pocket Center sold separately)
PPC210	Large Primer Pocket Cleaner for .210" Primers (Primer Pocket Center sold separately)

## Primer Pocket Chamfering Tool

A quick and accurate method to remove military primer pocket crimp.

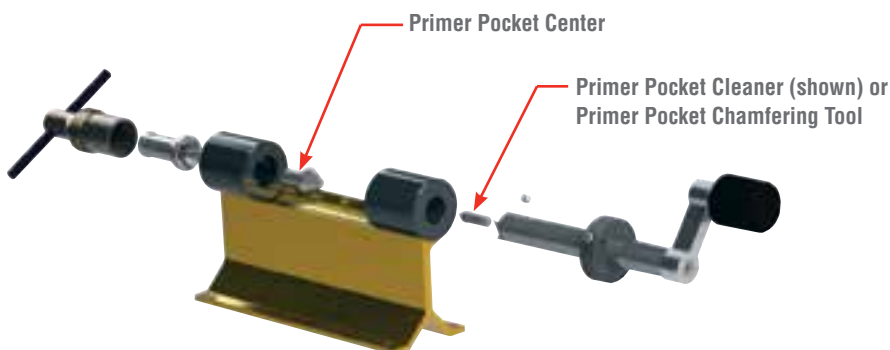
PPCT01



### Features

- Manufactured from tool steel.
- Staggered tooth cutter design cuts brass smoothly without chattering.
- Installs in the Case Trimmer Cutter Shaft in place of the Pilot.
- Used with the Primer Pocket Center (PPCE02, shown on this page) to support the case mouth.
- Hold the case mouth over the Primer Pocket Center with one hand and turn the Case Trimmer handle with the other. Control the depth and uniformity of the cut by setting the stop collar on the Case Trimmer.

Order No.	Description
PPCT01	Primer Pocket Chamfering Tool (Primer Pocket Center sold separately)



Product in Use



### Our Customers Say



I recently bought a .308 Case Mouth Trimmer, and wanted you to know it worked great and saved so much time.

Grand Junction, CO



Hollow Pointer

Improve performance and save money by making your own hollow-pointed rounds. Control the hollow point size and depth to fit your own requirements.

HP1008



HP1016



Features

- Only tool of its kind on the market.
- Available in either 1/8" (usually used for handgun rounds) or 1/16" (usually used for rifle rounds) drill sizes.
- Installs in the Case Trimmer Cutter Shaft in place of the Pilot.
- Install the Hollow Pointer drill into the Cutter Shaft. Place a loaded cartridge in the Case Trimmer Collet. The bushing centers the drill's tip against the nose of the bullet as the cartridge is locked in place. Control the hollow point depth by setting the stop collar of your trimmer.
- May require either a Short (CT1010-CTB102) or Long (CT1010-CTB103) Case Trimmer Base for very short or very long rounds (see page 7).

Order No.	Description
HP1008	Hollow Pointer (1/8" drill size)
HP1016	Hollow Pointer (1/16" drill size)

Our Customers Say

I am so pleased with your products. My handloads have improved significantly, and it shows on the range!

Memphis, TN

Accessory Case for Case Trimmer Parts

The perfect solution for keeping your Case Trimmer accessories organized and protected.

AC5000



Features

- Storage holes for:
  - Collets #1 through #4 (Original Case Trimmer Collets only)
  - 12 Pilots or Neck Reamers (any combination)
  - One Outside Neck Turner
  - One Primer Pocket Chamfering Tool with one Primer Pocket Center
  - Two Primer Pocket Cleaners
- Measures just 9" X 5"
- Made of tough, lightweight plastic that won't crack, peel or break, even under adverse conditions.

Notes:

- Sold separately without the accessories shown.
- Does not accommodate Classic Case Trimmer Collets (#5 through #8).

Order No.	Description
AC5000	Accessory Case for Case Trimmer Parts

## Hand Held Outside Neck Turner

A carbide cutter in 29 caliber offerings.



### Features

- The industry's only carbide neck thickness cutter – no sharpening required.
- Precision machined with special angles and reliefs designed specifically for neck turning; cutter approach angle allows turning right up to the case shoulder.
- Micrometer adjustment knob allows fine adjustments in either direction; easily adjustable to .0005". Index marks at increments of .001" are clearly stamped on the tool body.

Order No.	Description
HOT100	Hand Held Outside Neck Turner (for cases up to .592" at base; includes standard case holder, Pilot sold separately)
HOT100-102	Optional Large Case Holder (for cases from .593" to .812")

## Hand Held Outside Neck Turner Pilots



### Features

- Widest range of sizes in the industry.
- Precision machined, dedicated Pilots are .002" to .0025" smaller than the bullet diameter.
- Hand Held Outside Neck Turner Pilots **are not** interchangeable with Outside Neck Turner Pilots on page 13.

### Custom Machining Services



Variation in brass hardness, wall thickness, or in other manufacturers' expander ball dimensions may require a custom-machined Pilot to fit your specific circumstances. See page 46 for details.

Order No.	Bullet Dia.	Pilot Dia.	Order No.	Bullet Dia.	Pilot Dia.
HOT2017	.172"	.1685"	HOT2400	.400"	.397"
HOT2204	.204"	.2015"	HOT2405	.405"	.402"
HOT2224	.224"	.2215"	HOT2410	.410"	.407"
HOT2243	.243"	.2405"	HOT2416	.416"	.413"
HOT2257	.257"	.2545"	HOT2422	.422"	.419"
HOT2264	.264"	.2615"	HOT2432	.429" or .430"	.427"
HOT2277	.277"	.2745"	HOT2452	.452"	.449"
HOT2284	.284"	.2815"	HOT2455	.455"	.452"
HOT2308	.308"	.3055"	HOT2458	.458"	.455"
HOT2311	.311"	.3085"	HOT2474	.474"	.471"
HOT2323	.323"	.3205"	HOT2483	.483"	.480"
HOT2333	.333"	.3305"	HOT2505	.505"	.5015"
HOT2338	.338"	.3355"	HOT2510	.510"	.5065"
HOT2358	.358"	.3545"	HOT2513	.513"	.5095"
HOT2375	.375"	.3725"			

## Inside-Outside Deburring Tool

Deburring is a "must do" operation. This dual-ended, dual-purpose tool chamfers case mouths to remove burrs from new cases or sharp corners resulting from case trimming.



### Features

- Precision-machined and hardened cutting edges.
- May be used by hand, lathe or installed in the Deburring Tool Base (DB2000) shown below.
- Handles all cases from 17 cal. to 45 cal.
- Insert the pointed end to chamfer the inside of the case mouth;
- fit the open end over the case mouth to remove sharp corners.

Order No.	Description
DB1000	Inside-Outside Deburring Tool

## Deburring Tool Base

Make deburring faster and easier on your hands by using our Inside-Outside Deburring Tool, especially when chamfering large quantities of cases.



### Features

- Either end of the Inside-Outside Deburring Tool can be inserted into the base. Secures with a single set screw.
- Hardened bearing and shaft.
- May be used with the Power Adapter (PA1000, see page 8).
- Easily installed on your loading bench.

Order No.	Description
DB2000	Deburring Tool Base



## Our one-of-a-kind press is the most powerful and accurate press on the market.

If you want famous Forster Products precision, the Co-Ax™ Press delivers. It keeps the process simple and includes several unique features, such as snap-in, snap-out die changing that takes all of two seconds! A self-contained spent-primer catcher system helps keep all working parts free of dirt and abrasives, and dual floating guide rods help ensure perfect alignment.



"I am continually impressed by your Co-Ax Press. It is just so darn handy, fast, and easy to use, and is truly a quality item. I honestly believe that no one, absolutely no one, produces a finer quality single stage press."

~Columbia, MO





### Features

- **Perfect alignment of the die and the case.** The Shell Holder Jaws are designed to float with the die, which allows the case to center precisely in the die. The top of the stroke comes to a rock-solid stop for consistency of headspace and bullet seating dimensions.
- **Requires very little force to use.** With three times the mechanical advantage of an ordinary "C" press, the Co-Ax™ Press is so effortless that full-length sizing can actually be accomplished by operating the handle with just one finger.
- **Versatile.** Requires no heavy mounting, which means that it could even be used on your kitchen table; or for use at the range, mount the press to a board, then clamp the assembly to a truck gate or a portable bench.
- **Compatible.** Accepts any standard 7/8"-14 reloading die. Locking rings need to have a thickness of .311" to .317" with an outer diameter of 1 3/8". We highly recommend our Cross Bolt Die Lock Rings (see page 31).
- **Quick die changing.** You can actually change from a sizing die to a seater die in two seconds. This "slide-in-slide-out" die changing also maintains the integrity of your die's setting.
- **Long life.** There is absolutely no torque on the die holding portion of the Co-Ax™ Press due to the unique linkage and pivots design. All forces are in equilibrium whether the press is at maximum work load or at rest.
- **Unique top priming device seats primers to factory specifications.** The seater is always at right angles to the case head. Primers will not flip or tip; they will be seated straight, level and at a uniform distance below the case head. Primers cannot be crushed, nor will they protrude from the case head and cause premature firing.
- **Heavy-duty.** Rugged, automotive-grade, ductile iron has less porosity than other types of castings.
- **Durable.** Baked on powder coat finish prevents corrosion and is easy to clean.
- **Easy housekeeping.** A self-contained spent primer catcher system passes all primers, ground glass and dirty carbon through a tube and into a cup, keeping all working parts, as well as the floor, free of dirt and abrasives. The drop tube, which is threaded into the guide block below the shell holder, directs all residue into the cup below the press. The tube and cup follow the guide block during the sizing and seating process. Simply unscrew the cup to empty it.
- **Plenty of working room.** There are no frame supports or swinging primer arms to interfere or cause an obstruction. It works the same for either right- or left-handed operators.
- **No shell holders required.** "S" (Standard) Shell Holder Jaws hold 90% of commercial cartridges, and the Optional "LS" (Large/Small) Shell Holder Jaws cover most of the remaining 10%. To handle those cartridges that are not covered by the "S" or "LS" Shell Holder Jaws, see our Shell Holder Adapter Plate on page 21.
- **Quality.** Manufactured in the US.

Order No.	Description
028271	Co-Ax™ Press (Model B3) (includes "S" Shell Holder Jaws)

### Web

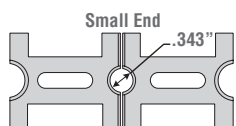


Go to our Video Library to view a video of the CoAx Press in use. See page 46 for details.

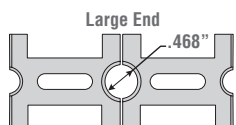
## Shell Holder Jaws for Co-Ax™ Press

Your assurance of perfect alignment. The jaws actually float to permit the cartridge to find its exact center in the die.

### "S" Shell Holder Jaws 001231

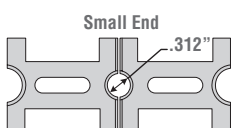


Small end holds:  
.343" to .422" rim

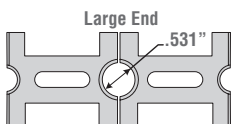


Large end holds:  
.468" to .562" rim

### "LS" Shell Holder Jaws 001251



Small end holds:  
.312" to .375" rim



Large end holds:  
.531" to .625" rim

## Features

- Spring-loaded Shell Holder Jaws automatically open and close on the cartridge case head when the case is inserted in the die and forced home for full length resizing. When the operating lever is reversed and the case is extracted from the die, the Shell Holder Jaws automatically open and release the cartridge.
- "S" (Standard) jaws are factory installed and ready for reloading; Optional "LS" (Large/Small) jaws, available separately, accommodate a wide range of very large and small case heads. See **Tables 5 and 6** for a partial list of popular calibers for both pistols and rifles.

Order No.	Description
001231	"S" Shell Holder Jaws for Co-Ax™ Press (replacement)
001251	"LS" Shell Holder Jaws for Co-Ax™ Press

**Table 5. Shell Holder Jaw Reference for Popular\* Rifle Calibers** (some calibers in this chart can be used with the small or large end of the jaws).

Caliber	Shell Holder Jaws	End to Use
17 Rem.	"S"	Small
22 Hornet	"LS"	Small
220 Swift	"S"	Large
22-250 Rem. (22 Varminter)	"S"	Large
223 Rem.	"S"	Small
243 Win.	"S"	Large
25-06	"S"	Large
257 Roberts	"S"	Large
6.5 Swedish	"S"	Large
270 WSM	"S"	Large
284 Win.	"S"	Large
7x57 Mauser	"S"	Large
7mm Rem. Mag.	"S"	Large
7mmx08 Rem.	"S"	Large
300 Rem. Ultra Mag.	"S"	Large
300 Win. Mag.	"S"	Large
300 WSM	"S"	Large
30-06 Spring.	"S"	Large
300 SAUM	"S"	Large
308 Win.	"S"	Large
8x57 (8mm. Mauser)	"S"	Large
45-70 Gov./Sharps	"LS"	Large

**Table 6. Shell Holder Jaw Reference for Popular\* Pistol Calibers**

Caliber	Shell Holder Jaws	End to Use
6mm BR	"S"	Large
6x47 Lapua	"S"	Large
6.5 Grendel	"S"	Small
9mm	"S"	Small
10mm Automatic	"S"	Large
22-250	"S"	Large
204 Ruger	"S"	Small
300 AAC BLK	"S"	Small
300 AAC BLK	"S"	Small
338 Lapua	"LS"	Large
357 Mag. (357 S & W) Mag.	"S"	Large
375 H&H	"S"	Large
38 Special	"S"	Large
40 Smith and Wesson	"S"	Large
44 Smith & Wesson Special	"S"	Large
44 Automatic (45 ACP)	"S"	Large
45 Colt	"S"	Large
470 Nitro express	Use adapter plate	

\* **Only a few are listed here:** To find the Co-Ax™ Press Shell Holder Jaws that work with your particular caliber, please go to [search.forsterproducts.com](http://search.forsterproducts.com).

### Shell Holder Adapter Plate for Co-Ax™ Press

Use with those few calibers that the “S” or “LS” Shell Holder Jaws do not handle.



AP1000

#### Features

- Makes reloading nonstandard cartridges easy.
- High alloy steel.

**Note:** Use of the Shell Holder Adapter Plate does not allow a cartridge to “float” as with our “S” and “LS” Shell Holder Jaws.

Order No.	Description
AP1000	Shell Holder Adapter Plate for Co-Ax™ Press

### Short Handle for Co-Ax™ Press

Use when less leverage is needed such as for short rifle cartridges, most handgun calibers, and seating and priming operations.



SH1000



Shown Assembled

#### Features

- Easily mounts in the Co-Ax™ Press with a single set screw.
- Half the length of the standard handle.
- 2" diameter ball handle.
- Steel shaft.

Order No.	Description
SH1000	Short Handle for Co-Ax™ Press (4" long)

### Protective Cover for Co-Ax™ Press

Specifically designed to protect your investment.



028271-300

Co-Ax™ Press  
Sold Separately

#### Features

- Made of breathable nylon to help prevent moisture buildup.
- Top closure is a draw cord with a cord lock; bottom has a snug fitting elastic closure.

Order No.	Description
028271-300	Protective Cover for Co-Ax™ Press

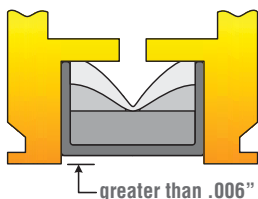
#### Our Customers Say

The Co-Ax Press has been absolutely flawless for all of my reloading needs.

Richmond, VA

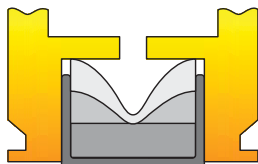
## A Primer on Primer Seating

**INCORRECT:** This primer cup doesn't rest solidly on the bottom of the primer.



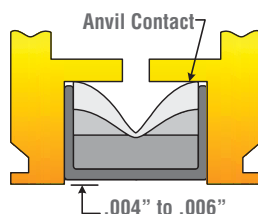
Since some primer cups are .120" high, seating the crown more than .006" below the case head will force the anvil through the crown, rendering the primer useless.

**INCORRECT:** This primer cup is seated too high.



A high primer is erratic in performance. It is also dangerous and could explode in the chamber of a rifle when the breech block closes before it is locked.

**CORRECT:** This primer cup is seated exactly as it would be with our Co-Ax™ Press.



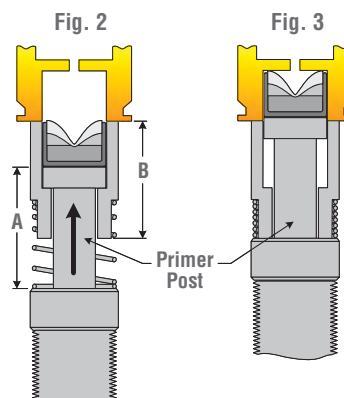
The crown is .004" to .006" below the surface of the case head, the anvils are on the bottom of the primer well and the primer mix is properly stressed by the anvil for sensitivity. It is also safer than either of the two seated primers shown above.

## Our Unique Co-Ax™ Press Priming System Helps Guarantee Consistent Performance

Proper priming is one of the most critical operations in the reloading process. In order for your ammunition to perform efficiently, consistent ignition is absolutely mandatory. For that reason, we paid special attention to the priming function in the design of our Co-Ax™ Press.

This primer seater design is engineered with such precision that no excessive tolerance, or "slop," is required in any of the mating parts. It moves freely in its channel with only .001" radial clearance, as opposed to the customary 0.0625" (1/16") clearance required by most other presses. As illustrated in the enlarged views of our primer post in **Figs. 2 and 3**, this extremely tight tolerance delivers remarkably consistent seating depth, time after time.

Regardless of the variation in the dimension of the case rim or the amount of force used in seating the primer, with the Forster Products Co-Ax™ Press, it is impossible to crush a primer pellet or vary the seating depth.



**Fig. 2** shows Dimension "A" greater than dimension "B" by .004" to .006".

**Fig. 3** shows that when force is applied to the guide block of the press, the bottom of the primer cup stops against the base of the primer post. The top of the primer cup stops against the case head. Because the primer post is longer than the cup by .004" to .006", the primer will always be seated .004" to .006" below the case head.



## Co-Ax™ Case and Cartridge Inspector

Improve your shooting accuracy by fine-tuning the uniformity of your cases and cartridges.



### Features

- Measures “accuracy-critical” dimensions:
  - Neck wall thickness.
  - Case and cartridge runout (concentricity).
- Uniquely supports case/cartridge to check both bullet and case alignment in relation to the centerline (long axis) of the case/cartridge.
- Measurements are in increments of .001".
- Accommodates cartridges from 204 Ruger to 45-70.
- Includes precision dial indicator, accurate to .001".
- Inspects overall case lengths up to 3.50".
- Quality manufactured from precision-engineered automotive-type castings.
- Uses the same Pilots as our Case Trimmers, sold separately (see pages 9-11).

Order No.	Description
010482	Co-Ax™ Case and Cartridge Inspector (Pilots sold separately)

**Note:** 17 cal. Pilot is not compatible with this tool.

### Case Neck Wall Thickness

A case neck with irregular thickness can add inconsistent tension to the bullet and ruin your precision. Unfortunately, even newly produced brass can vary in thickness from one lot to another.

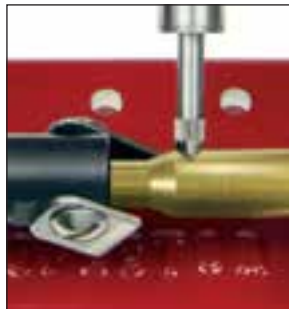
A variation of at least .0015" indicates the need to resize (see our Bench Rest™ Sizing Dies on pages 28-29) and outside turn the case neck (see our Outside Neck Turners on pages 13 and 17).



### Case and Cartridge Runout (Concentricity)

The outside of the cartridge is ideally aligned in a concentric circle around the axis. Using the wrong shell holder or improperly indexing can alter the “concentricity” of a case. Concentricity is used to identify a number of issues that affect ammunition loaded for accuracy.

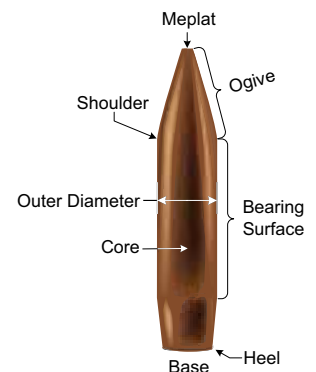
Variations of .0015" and greater in the case's neck, shoulder and body indicate correction by fire forming to your rifle chamber, resizing or outside neck turning to ensure the most consistent performance. Upgrading to our Bench Rest™ Seater Dies (see page 30) may also improve concentricity.



### Bullet Runout (TIR)

The angle and position at which the bullet enters the bore, commonly known as total indicated (bullet) runout, or TIR, is ideally zero. Most shooters limit their TIR to no more than .002" to .005", depending on where you measure along the cartridge. “Tipped” bullets – with high TIR – are certain to shoot off-target.

Variations of at least .004" generally also call for correction by fire forming to your rifle chamber, resizing or outside neck turning to ensure the most consistent performance. Upgrading to our Bench Rest™ Seater Dies (see page 30) may also lower TIR.



### Tip



Although concentricity measuring tools may also be used to correct runout at the point of measurement, Forster Products does not recommend this use of its Co-Ax™ Case and Cartridge Inspector because:

- Pushing on any point of the cartridge will move eccentricity somewhere else.
- Pushing on the cartridge in the neck area changes bullet tension, which should be kept as consistent as possible.

Rather than waiting until the rounds are loaded and then attempting to correct, we believe you can obtain better results by using a Forster Products Seater Die or checking and refining your cases at each step of the reloading process.



## Refine case sizing and bullet seating operations with the dynamic Datum Dial™ Ammunition Measurement System.

The easy-to-use and versatile patented Datum Dial™ system is a groundbreaking tool designed to gather the data you need to refine case sizing and bullet seating operations. Core components include a body and three dials that reliably measure relative distances between selected points on cases, bullets, and cartridges. Your payoff? Precise information that helps you increase accuracy, improve safety, maximize consistency, and boost your reloading capability.



"I'm a new reloader and wanted to tell you how much I appreciate your equipment! I spoke with a competitor's tech and even he had great things to say about your equipment."

~Hemet, CA

### Provides the data you need to refine your case sizing and bullet seating operations


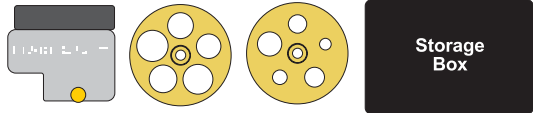

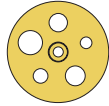
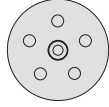
- **Better accuracy** because your ammunition's headspace is tailored to your firearms' chamber.
- **Safer shooting** because excessive headspace, which may lead to dangerous case separation, can be avoided.
- **Quick sorting** of batches of cases, bullets and cartridges to effectively remove variation to provide relative consistency.
- **More reloads possible** because of reduced work hardening of brass.

### Product Features

- **Easily interchangeable dials:** case and bullet/cartridge dials provide quick measurement of different calibers.
- **Consists of only four components:** provides the same caliber coverage as other products with many more components.
- **Covers multiple calibers:** competitive products can require the purchase of a separate kit for each caliber needed.
- **Measurement is exact variation:** no need to subtract body plus bushing/insert length from each measurement.
- **Durable plastic storage box:** room for extra setup, keeps all components together and protected.

## Easy-to-use and versatile tool for shooting accuracy

The core components of the patented Datum Dial™ Ammunition Measurement System are a body and three interchangeable dials. Purchase the entire kit or only the components you need for your specific reloading requirements.

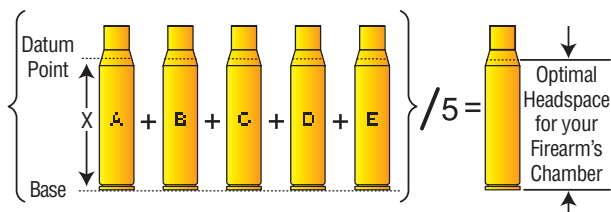
Order No.	Description	Function
DD1010	Datum Dial™ (Body with Case Dial already mounted), Storage Box 	Relative Case Measurement Provides a relative measurement between the base of a case to a datum point on its shoulder angle. May be used: <ul style="list-style-type: none"> <li>• <b>Before</b> sizing operations to find the optimal headspace for your firearm.</li> <li>• <b>After</b> sizing operations to check the setup and consistency of your reloading process.</li> </ul>
DDKIT	Kit: Datum Dial™ (Body with Case Dial already mounted), Bullet/Cartridge Dials #1 and #2, Storage Box. 	Measures the relative distance between: <ul style="list-style-type: none"> <li>• The base of a case to a datum point on its shoulder angle.</li> <li>• The base of a bullet or a cartridge to a point on the bullet's ogive.</li> </ul>
DD1111	Bullet/Cartridge Dial #1  224 Cal (5.56mm) 243 Cal (6mm) 264 Cal (6.5mm) 284 Cal (7mm) 308 Cal (7.62mm)	Relative Bullet or Cartridge Measurement Provides a relative measurement from the base of a bullet/cartridge to a point on the bullet's ogive, very close to the bullet's major diameter. May be used: <ul style="list-style-type: none"> <li>• <b>Before</b> seating operations to check factory bullet/cartridge consistency.</li> <li>• <b>After</b> seating operations to check the setup and consistency of your reloading process.</li> <li>• Case and bullet/cartridge dials are <b>interchangeable</b> and provide quick measurement of different calibers.</li> </ul>
DD2222	Bullet/Cartridge Dial #2  172 Cal 204 Cal 257 Cal 277 Cal 338 Cal	
DD7777	Blank Dial with five starter holes 	Allows you to drill custom holes for diameters not covered by the Case Dial or the two Bullet/Cartridge Dials.

### Cases

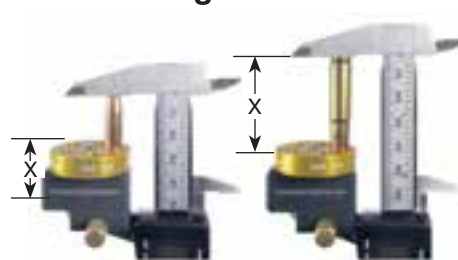


X = relative measurement between the base of a case to a datum point on its shoulder angle.

Using the average relative measurement taken from several cases that have been fire-formed from the same firearm, you can then adjust your sizing die to produce cartridges with a headspace tailored to your firearm's chamber.



### Bullets and Cartridges



X = relative measurement from the base of a bullet/cartridge to a point on the bullet's ogive, very close to the bullet's major diameter.

You can also adjust your seater die to achieve the optimum distance from the bullet ogive to the lands of the rifle. Obtaining the best bullet seating depth for a specific bullet used in a specific firearm significantly improves the accuracy of your loaded rounds.





## Five types of world-class reloading dies for shooters with this mission: **to increase precision.**

Pinpoint accuracy and uncompromising performance begin with quality reloading equipment from Forster Products. That's why it is the first choice of some of the world's most particular reloaders: U.S. Marines, Navy Seals, Army Rangers, U.S. Secret Service members, and High Power and Benchrest competitors. At Forster Products, you get precision choices for every reloading preference...and get closer to accomplishing your *own* personal mission.



"The competition Dies are unbelievable with accuracy so precise that when someone claims to have shot a one hole group, a Forster product must be involved."


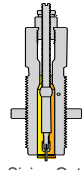
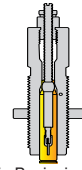







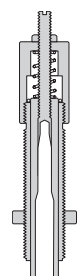
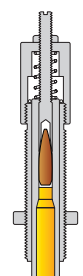
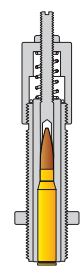

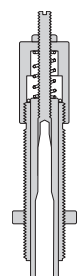
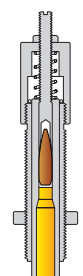
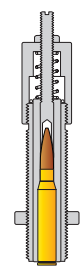
~Grandview, WA

### Features for All Forster Products Reloading Dies

- Choose from three Sizing Die styles and two Seater Die styles.
- A superior locking ring with an easy-to-use crossbolt that clamps the ring around the entire die, resulting in a more precise mating of the lock ring threads to the die threads, with no misalignment and no thread damage.
- All individual components available separately from Forster Products, unlike other dies which require replacement of the complete unit.
- All Dies are individually packaged; we also offer a double-wall Deluxe Die Box (see page 34) specifically designed to allow you to maintain your ideal settings, even on our longest Ultra Micrometer Seater Die.
- Compatible with any standard 7/8"-14 thread reloading press, as well as our Co-Ax™ Press shown on page 18.
- Even the best reloaders have stuck cases in their Sizing Dies. See page 31 for our easy-to-use Stuck Case Remover.



## Individual Dies

Bench Rest™ Reloading Die	Features	Reloader Experience Level
<b>Sizing Dies</b>		
<b>Full Length Sizing Die</b> 	<ul style="list-style-type: none"> <li>Sizes the case neck, shoulder and body, deprimers and expands the case neck.</li> <li>Used with any rifle of a specific cartridge (for example: any 220 Swift Die works for any 220 Swift rifle).</li> <li>Allows the case to be re-chambered in any SAAMI minimum size rifle chamber with minimal play.</li> <li>Available individually or as a set with a Bench Rest™ Seater Die.</li> <li>Machined with one-piece reamers to achieve phenomenal concentricity.</li> </ul>	  Die Sizing Outside of Case and Removing Spent Primer      Die Beginning to Expand Case Neck  All
<b>Bushing Bump Neck Sizing Die</b> 	<ul style="list-style-type: none"> <li>Sizes case neck for bullet tension, sizes shoulder to set headspace and deprimers</li> <li>Prevents overworking of case brass.</li> <li>Best for fine-tuning brass for use with a specific rifle.</li> <li>Uses .001" increment Bushings to fine-tune neck tension and bullet grip.</li> <li>Available individually or as a Kit with 3 pre-selected Bushings.</li> <li>Machined with one-piece reamers to achieve phenomenal concentricity.</li> <li>Custom size your cases to your rifle's chamber.</li> </ul>	  Before Sizing      After Sizing <i>View exaggerated for clarity.</i> Optimal Neck Diameter Optimal Headspace  Intermediate to advanced
<b>Neck Sizing Die</b> 	<ul style="list-style-type: none"> <li>Sizes and expands the case neck and deprimers.</li> <li>Machined with one-piece reamers to achieve phenomenal concentricity.</li> <li>Extends the life of the case by working only the neck.</li> </ul>	  Before Sizing      After Sizing <i>View exaggerated for clarity.</i> Optimal Neck Diameter  All
<b>Seater Dies</b>		
<b>Seater Die</b> 	<ul style="list-style-type: none"> <li>Our innovative, caliber-specific sliding die chamber holds the bullet, case and seating stem in perfect alignment while the bullet is seated.</li> <li>Available individually or as a set with a Full Length Sizing Die.</li> <li>Non-crimping style provides accuracy, consistency, and virtually flawless alignment.</li> </ul>	   Empty Die Chamber      Everything Aligned, Ready to Seat Bullet      Seated Bullet  All
<b>Ultra Micrometer Seater Die</b> 	<ul style="list-style-type: none"> <li>Our innovative, caliber-specific sliding Die chamber holds the bullet, case and seating stem in perfect alignment while the bullet is seated.</li> <li>Micrometer fine tunes your precise seating depth requirements.</li> <li>Use if you like to experiment with various bullets and loads for many different shooting applications.</li> <li>Non-crimping style provides accuracy, consistency and virtually flawless alignment.</li> </ul>	   Empty Die Chamber      Everything Aligned, Ready to Seat Bullet      Seated Bullet <i>*Bench Rest™ Seater Die is shown.</i>  All

## Introducing our Bench Rest™ Die Set

One Full Length Sizing Die and one Bench Rest™ Seater Die



For every rifle caliber you own, we recommend that you have a Full Length Sizing Die and a Bench Rest™ Seater Die. The Bench Rest™ Die Set includes one Full Length Sizing Die and one Bench Rest™ Seater Die, all packaged in our Deluxe Die Box. See listings on pages 32-33.

## Custom Machining Services



We can manufacture custom versions of any of five Reloading Dies to your specifications. See page 46 for details.

## Tip



Keep complete, chronological records of all reloads. This load data is useful for future load development.

- Primer (manufacturer, type, lot).
- Case (manufacturer, overall length, neck wall thickness, number of times fired, comments).
- Powder (manufacturer, type, lot, charge).
- Bullet (manufacturer, type, weight, lot).
- Cartridge (overall length, comments).

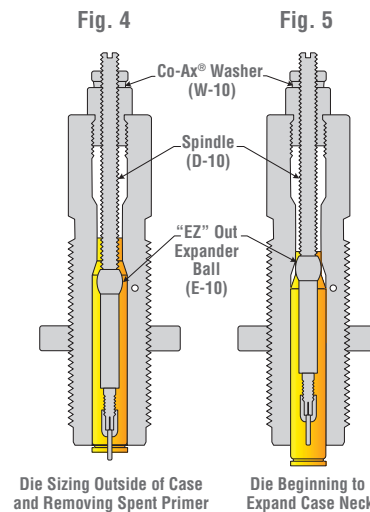
## BENCH REST™ SIZING DIES

### Features

- Manufactured from the finest quality steel.
- Carefully machined on super precision™ chucking lathes to very tight tolerances.
- Manufactured with one-piece reamers to help guarantee concentricity between all machined diameters.
- Heat treated and oil quenched in atmospherically controlled furnaces to an extremely tough Rockwell hardness.
- Hand polished in a high-speed lathe both before and after heat treating guarantee an extra-fine finish.
- Equipped with our exclusive “E-Z” Out™ Expander Ball, which helps solve the problem of keeping case necks concentric during the neck expanding operation.

The combination of our elevated “E-Z” Out™ Expander Ball and butyl rubber Co-Ax™ Washer corrects misalignment of the Decapping/Expander Assembly and prevents the case neck from pulling off center during the expanding procedure.

Our design also reduces the effort required to draw the “E-Z” Out™ Expander Ball through the case neck because it takes full mechanical advantage of the power developed in the linkage of your press. The elevated position of the Expander Ball means that the expanding operation happens with the press handle near the bottom, where it produces the most leverage. The expanding operation is hardly felt, making sizing much less laborious.



**Fig. 4** shows the “E-Z” Out™ Expander Ball placed high on the Spindle in the Decapping/Expander Assembly, near the neck of the case.

**Fig. 5** shows the case being withdrawn from the Die. Note how the elevated position of the “E-Z” Out™ Expander Ball supports the case neck in the neck sizing portion of the Die, keeping the axis of the neck and the case in perfect alignment.

### Web



The “E-Z” Out Expander Ball system requires that the Decapping/Expander Assembly be adjusted properly at all times. The Decapping/Expander Assembly is set at the factory; however, if the “E-Z” Out Expander Ball is readjusted and set too high in the die, case neck and spindle damage will result. Our website has complete user instructions. See page 46.

## Full Length Sizing Die

**Produces ammunition that has a “glove fit” to your chamber. Use after each firing or after several firings, when the resulting brass flow will require the case to be full-length sized.**



### Features

- Sizes the case neck, shoulder, and body. Deprimes and expands the case neck. Allows the case to be re-chambered in a SAAMI minimum size rifle chamber.
- Precisely positioned vent hole located in the threaded or recessed portion of the die body prevents excessive, trapped air and lubrications from damaging the die's components or your cases.

**Note:** When using military brass with crimped primers, use a decapping die first to remove spent crimped primers (not available from Forster Products).

### Ordering Information

Full Length Sizing Dies are available in more than 70 calibers, either individually or as part of the Bench Rest™ Die Set with a Bench Rest™ Seater Die. **Die ordering information begins on page 32.**

### Custom Machining Services



We can custom hone up to .008" the inside neck diameter of our Full Length Sizing Dies and Neck Sizing Dies. Custom honing is a diamond stoning process that enlarges the inside diameter of the Die and will prevent over-sizing of the case neck due to thick neck walls. You may need this service:

- If you use some brands of brass cases, such as Norma or Lapua, that have thicker neck walls.
- If you do not intend to outside neck turn case necks that have thickened after repeated firings.

See page 46 for details.

## Bushing Bump Neck Sizing Die

Developed with input from some of the world's most discriminating reloaders and competitive shooters, our unique design allows precise case neck and shoulder sizing in one easy step.

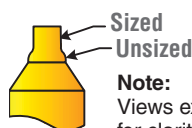
### Features

- Sizes the case neck and shoulder to set headspace and deprimers.
- One-step bushing reduction/bump operation sets the shoulder back to keep your case neck in better alignment with the case's center line.
- Prevents overworking of case necks, as well as controls the amount of neck tension for your bullet seating operation.
- Over 90 available bushings allow case necks to be sized to your exact requirements.
- Versatility allows you to custom size your cases to your specifications.



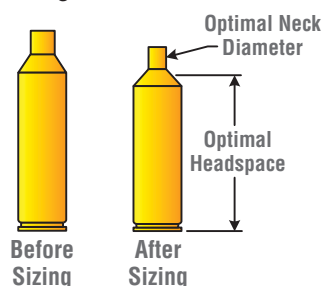
### Partial Neck Sizing

You can adjust the bushing to allow partial case neck sizing, allowing the unsized section to better align the cartridge in the rifle chamber.



### Bump the Shoulder without Changing the Case Neck Diameter

By removing the neck bushing, you can use the Bushing Bump Neck Sizing Die to bump just the case shoulder without changing the neck diameter. This action maintains proper headspace in any chamber, custom or factory setting.



**Table 7. Order Guide for Bushing Bump Neck Sizing Die Bushings**

Bush-222	Bush-284
Bush-223	Bush-285
Bush-224	Bush-286
Bush-225	Bush-287
Bush-226	Bush-288
Bush-227	Bush-289
Bush-228	Bush-290
Bush-229	Bush-291
Bush-230	Bush-292
Bush-240	Bush-293
Bush-241	Bush-294
Bush-242	Bush-295
Bush-243	Bush-296
Bush-244	Bush-297
Bush-245	Bush-298
Bush-246	Bush-299
Bush-247	Bush-300
Bush-248	Bush-301
Bush-249	Bush-302
Bush-250	Bush-303
Bush-251	Bush-304
Bush-252	Bush-305
Bush-253	Bush-306
Bush-256	Bush-307
Bush-257	Bush-308
Bush-258	Bush-309
Bush-259	Bush-310
Bush-260	Bush-311
Bush-261	Bush-312
Bush-262	Bush-323
Bush-263	Bush-324
Bush-264	Bush-325
Bush-265	Bush-326
Bush-266	Bush-327
Bush-267	Bush-328
Bush-268	Bush-329
Bush-269	Bush-330
Bush-270	Bush-331
Bush-271	Bush-332
Bush-272	Bush-333
Bush-273	Bush-334
Bush-274	Bush-335
Bush-275	Bush-336
Bush-278	Bush-337
Bush-279	Bush-338
Bush-280	Bush-339
Bush-281	Bush-340
Bush-282	Bush-341
Bush-283	Bush-342
	Bush-343

Order number equals inside diameter of Bushing.

**Example:** Order Number Bush-230 is a Bushing with an inside diameter of .230".

### Ordering Information

Bushing Bump Neck Sizing Dies are available either individually or in a kit with three pre-selected bushings most likely needed to produce accurate ammunition with proper neck tension. The kit also includes our Deluxe Die Box (see page 34).



Die ordering information begins on page 32.

Bushings are available separately. If you're making cartridges for a tight chambered rifle, you might need smaller bushings. Alternatively, you might need larger bushings if you are not outside neck turning and are using brass cases with thick neck walls. Most sizes are available in .001" increments; just order by the inside diameter desired.

See Table 7 for Bushing ordering information.

## Neck Sizing Dies

For reloaders who opt to retain the fire-formed dimensions of their cases and minimize excess headspace.

### Features

- Sizes the case neck only to a fixed dimension and deprimers; does not size the shoulder or body.
- Extends the life of the case by working only the neck.
- Helps ensure a very snug fit in the rifle chamber.

**Note:** We recommend that Neck Sizing Dies be used only for bolt action or single shot rifles. Cartridges for autoloaders and lever action and pump rifles should be full-length sized.



### Ordering Information

Neck Sizing Dies are available in more than 70 calibers.

Die ordering information begins on page 32.



## BENCH REST™ SEATER DIES

### Features

- Innovative, caliber-specific Die Chamber (Fig. 6) holds the case, the bullet, and the seating stem all in perfect alignment; supporting the entire outside diameter of the sized case rather than just the bullet and case neck. (Most competitors' products support only the case rim.)
- Non-crimping style provides accuracy, consistency, and perfect alignment. (Exception: 30-30 caliber Die does crimp.)
- Seating stems supplied with our standard seaters match even special bullet needs such as those encountered during the loading of most Very Low Drag (VLD) bullets.

The secret to perfect alignment is holding the bullet, case and seating stem in the same close fitting chamber for the entire seating operation.

## Bench Rest™ Seater Die

First die of its kind on the market and is still the best straight line Seater Die available.

### Feature

- Holds both the bullet, case and seating stem in perfect alignment while the bullet is seated.

### Ordering Information

Bench Rest™ Seater Dies are available in more than 70 calibers or as part of the Bench Rest™ Die Set with a Full Length Sizing Die.

Ordering information begins on page 32.



Fig. 6 shows how both the bullet and the entire case are held in perfect alignment while the bullet is seated.

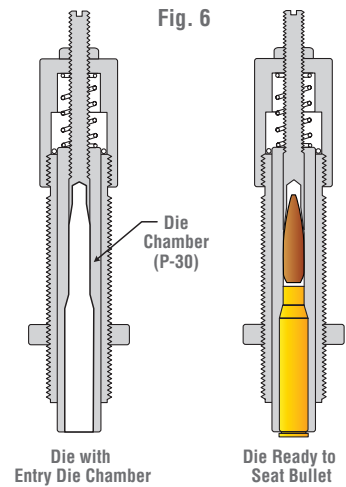
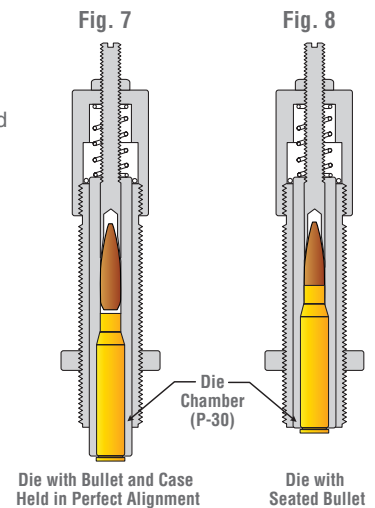


Fig. 7 shows how the bullet is held in the same close-fitting chamber for its entire length.

Fig. 8 shows the position of the sliding Die chamber (P-30) after the bullet has been seated.



## Bench Rest™ Ultra Micrometer Seater Die

Fine adjustments for precise seating measurements the very first time.

### Ordering Information

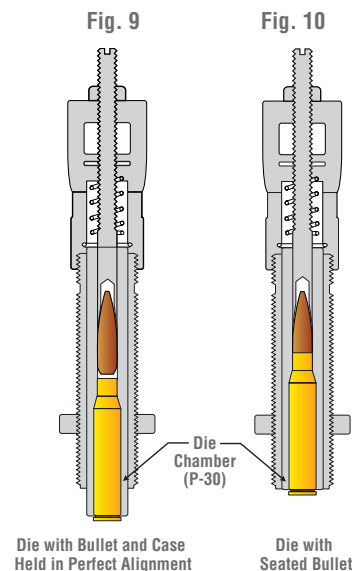
Ultra Micrometer Bench Rest™ Seater Dies are available in more than 70 calibers.

Ordering information begins on page 32.



Fig. 9 shows how the bullet is held in the same close-fitting chamber for its entire length.

Fig. 10 shows the position of the sliding Die chamber (P-30) after the bullet has been seated.



### Features

- Includes all the popular straight line seating features of our original Bench Rest™ Seater Die plus an ultra accurate micrometer for adjusting bullet seating depth.
- Micrometer allows fine adjustments in either direction; easily adjustable to .0005". Index marks at increments of .001" are clearly marked.
- After you have seated your bullet close to the desired depth and measured it, simply adjust the micrometer stem down to the desired depth and the cartridge will be exactly the length you need.
- Eliminates much of the trial and error that was once associated with seating accurate rounds.
- Bright, white markings make micrometer easy to read.

## Cross Bolt Die Lock Ring

Clamps around the entire die, resulting in a more precise mating of the lock ring threads to the die threads.



DIE-G-10

### Features

- Easy-to-use cross bolt connects the two ends of the ring instead of a traditional screw design that tightens directly into the threads of the die, resulting in a more precise mating of the lock ring threads to the die threads.
- Provides a more reliable alignment with no canting, and no damage to the die threads, which remain undamaged.
- Standard equipment on all Forster Products high-quality Sizing and Seater Dies.
- Tightening or loosening the steel cross bolt screw requires only a 7/64" hex key (Allen wrench).
- Fits standard 7/8"-14 thread dies from most manufacturers.

Order No.	Description
DIE-G-10	Cross Bolt Die Lock Ring (single ring)
DIE-G-10-DOZEN	Cross Bolt Die Lock Ring (pack of one dozen)

## Stuck Case Remover

The easy way to remove the Decapping Rod and Expander Ball when a case is stuck in the Die.



SC1000



Product in Use

### Features

- Designed for use with Forster Sizing Dies which feature the elevated "E-Z" Out™ Expander Ball in the Decapping/Expander Assembly.
- May also be used with sizing dies that use 1/4"-28 or 10-32 thread spindles.
- All components hardened for long life.
- Washer protects the top of your die.

Order No.	Description
SC1000	Stuck Case Remover

## Oversize "E-Z" Out™ Expander Balls for our Bench Rest™ Sizing Dies

Oversize "E-Z" Out™ Expander Ball shown on Spindle (not included)



Oversize "E-Z" Out™ Expander Ball

6-40 internal thread		
.204" Bullet Dia.	.224" Bullet Dia.	.243" Bullet Dia.
Order No.	Order No.	Order No.
E-10-2040	E-10-2240	E-10-2430
E-10-2045	E-10-2245	E-10-2435
E-10-2050	E-10-2250	E-10-2440
10-32 internal thread		
.264" Bullet Dia.	.284" Bullet Dia.	.308" Bullet Dia.
Order No.	Order No.	Order No.
E-10-2640	E-10-2840	E-10-3080
E-10-2645	E-10-2845	E-10-3085
E-10-2650	E-10-2850	E-10-3090

Order No. is actual diameter. For example, Order No. E-10-2045 is an Oversize "E-Z" Out Expander Ball with a diameter of .2045".

### Tip



To keep the inside of your Dies scratch-free, ensure that the outside and inside of your cases are free of powder residue and other debris, case necks are deburred, and the Die itself is kept clean. This precaution also applies to the "E-Z" Out Expander Ball on the Decapping/Expander Assembly (see Figs. 4 and 5 on page 28), where brass chips and other debris may inadvertently be transferred to the case and Die neck. Chips that result from trimming and deburring, or a case that has not been deburred, are especially damaging to Die interiors. These chips can become embedded in the Die interior. The resulting brass against brass effect "galls," or wears away, minute pieces of brass on the case and gets worse with each use of the Die.

**Table 8. Bench Rest™ Sizing and Seater Dies Order Guide for Single Dies**  
(listed from smallest to largest bullet diameter)

Cartridge Name	Sizing Dies				Seater Dies		Die Sets
	Full Length Sizing Die	Neck Sizing Die	Bushing Bump Neck Sizing Die	Bushing Bump Neck Sizing Die Kit (includes one die and three pre-selected bushings)	Bench Rest™ Seater Die	Ultra Micrometer Seater Die	
17 Rem.	005091	—	—	—	005771	—	004011
204 Ruger	004271	—	BBD3101	BBK2101 (.228", .226", .224")	005121	U00002	004021
22 Hornet	007941	—	—	—	005801	U00004	004041
22 BR	018101	—	—	—	018141	U00007	004051
22 PPC	005131	—	—	—	005821	U00010	004061
221 Fireball	005141	—	—	—	018151	U00013	004071
222 Rem.	005161	006391	—	—	005841	U00016	004081
222 Rem. Mag.	005171	—	—	—	005851	U00019	004091
223 Rem.	005181	006411	BBD3141	BBK2141 (.247", .245", .243")	005861	U00022	004101
223 WSSM	005198	006418	BBD3171	BBK2171 (.266", .264", .262")	005871	U00023	004111
224 Wby. Mag.	005191	—	—	—	008671	U00200	006921
5.6x50 Rimmed	005201	—	—	—	005881	U00025	004121
220 Swift	005211	006421	—	—	005891	U00028	004131
22-250 Rem. (22 Varminter)	005221	006431	BBD3191	BBK2191 (.251", .249", .247")	005901	U00031	004141
240 Wby. Mag.	005241	—	—	—	008681	U00201	006931
243 Win.	005251	006441	BBD3221	BBK2221 (.272", .270", .268")	005931	U00034	004171
243 WSSM	005261	006448	BBD3241	BBK2241 (.284", .282", .280")	005941	U00035	004175
6mm BR	018121	006451	BBD3301	BBK2301 (.268", .266", .264")	018161	U00037	004181
6mm Dasher	005266	—	—	—	005946	U00038	004186
6mm PPC	005271	006461	BBD3351	BBK2351 (.260", .258", .256")	005951	U00040	004191
6mm Rem. (244)	005281	006471	—	—	005961	U00043	004201
6mm XC	005291	—	—	—	005971	U00044	004261
6mmx45 (6x223 Rem.)	005295	—	—	—	005975	U00045	004265
6x47 Lapua	005265	—	BBD3251	BBK2251 (.270", .268", .266")	005945	U00036	004176
25-06 Rem.	005301	006491	BBD3861	BBK2861 (.284", .282", .280")	005981	U00046	004221
25 WSSM	005321	—	BBD3401	BBK2401 (.298", .296", .294")	005911	U00050	004211
257 Wby. Mag.	005341	—	—	—	008791	U00202	007071
257 Ackley (40°)	023711	—	—	—	023921	U00052	022431
257 Roberts	005331	006501	—	—	006001	U00055	004241
260 Rem. (6.5—08)	005345	—	BBD3131	BBK2131 (.292", .290", .288")	006011	U00056	004251
6.5x47 Lapua	005346	—	BBD3261	BBK2261 (.291", .289", .287")	006015	U00057	004255
6.5 Creedmoor	005348	—	—	—	006020	U00062	004253
6.5 Grendel	005347	—	—	—	006017	U00059	004256
6.5-284	005371	—	BBD3410	BBK2410 (.293", .291", .289")	006061	U00060	004281
6.5x57 Mauser	005381	—	—	—	018181	U00061	004291
6.5x55 Swedish	005401	028961	BBD3420	BBK2420 (.293", .291", .289")	006071	U00064	004311
6.5x55 SKAN	005621	028961	—	—	006071	U00064	004612
6.8 SPC	005391	—	—	—	006051	U00068	004622
270 Win.	005421	006531	BBD3501	BBK2501 (.303", .301", .299")	006091	U00070	004331
270 Win. Short Mag. (WSM)	005411	006541	—	—	006085	U00071	004321
270 Wby. Mag.	005431	—	—	—	008841	U00203	007161
7x64 Brenneke	007971	—	—	—	008101	U00073	004351
7mm-08	007981	024021	BBD3541	BBK2541 (.308", .306", .304")	008111	U00076	004361
7x57 Mauser	005471	—	—	—	006141	U00079	004381
7mm BR Rem.	018231	018251	—	—	018241	U00082	018211
7mm Rem. Mag.	005491	—	BBD3551	BBK2551 (.308", .306", .304")	006151	U00085	004401

**Notes:** Only Die Sets come in the Deluxe Die Box.  
Die Boxes can be ordered separately.

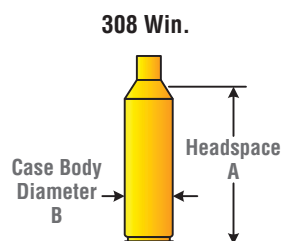


**Table 8. Bench Rest™ Sizing and Seater Dies Order Guide for Single Dies**  
(listed from smallest to largest bullet diameter) (continued)

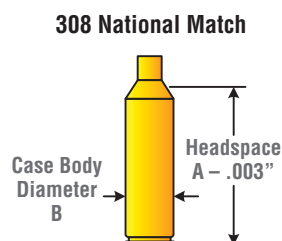
Cartridge Name	Sizing Dies				Seater Dies		Die Sets
	Full Length Sizing Die	Neck Sizing Die	Bushing Bump Neck Sizing Die	Bushing Bump Neck Sizing Die Kit (includes one die and three pre-selected bushings)	Bench Rest™ Seater Die	Ultra Micrometer Seater Die	
7mm Rem. Ultra Mag.	005515	—	—	—	006115	U00086	004415
7mm Rem. SA Ultra Mag.	005518	—	—	—	006118	U00087	004418
7mm Win. Short Mag. (WSM)	005520	006566	—	—	006120	U00090	004420
7mm Wby. Mag.	005501	—	—	—	008881	U00204	007231
7mm STW	005521	—	—	—	007011	U00072	004341
280 Rem. (7mm Exp. Rem.)	005511	006581	—	—	006171	U00088	004421
284 Win.	005531	—	—	—	006181	U00089	004425
7.62x54 R.	005481	—	—	—	006161	U00080	004391
30-30 Win.	005541	—	—	—	006201	U00097	004451
300 AAC Blackout	005545	—	—	—	006205	U00099	004453
300 Rem. Ultra Mag.	005551	—	—	—	006211	U00098	004461
300 Rem. SA Ultra Mag.	005565	—	—	—	006215	U00095	004465
300 Norma Mag.	005548	—	—	—	006206	U00096	004455
300 Win. Mag.	005561	006641	BBD3651	BBK2651 (.334", .332", .330")	006221	U00100	004471
300 Win. Short Mag. (WSM)	005571	006651	BBD3701	BBK2701 (.337", .335", .333")	006231	U00101	004481
300 Wby. Mag.	005631	—	—	—	009011	U00205	007361
30-378 Wby. Mag.	005681	—	—	—	009031	U00207	007381
303 British	005581	—	—	—	006241	U00103	004491
308 Win. <sup>(1)</sup>	005591	006621	BBD3751	BBK2751 (.336", .334", .332")	006251	U00107	004501
308 National Match <sup>(1)</sup>	018311	—	—	—	006251	U00107	018331
308 Small Base <sup>(1)</sup>	SIZER308SB	—	—	—	—	—	018335
30-06	005611	006631	BBD3851	BBK2851 (.334", .332", .330")	006281	U00113	004521
325 Win. Short Mag. (WSM)	005721	—	—	—	006301	U00126	004531
8x57 Mauser	005651	—	—	—	006321	U00122	004561
8x68S	023541	—	—	—	023791	U00125	022291
338 Norma Mag.	005665	—	—	—	006345	U00129	004575
338 Win. Mag.	005671	006711	—	—	006331	U00128	004581
340 Wby Mag.	005691	—	—	—	009021	U00206	007371
338 Lapua Mag.	005661	—	—	—	006341	U00127	004571
375 H&H	005741	—	—	—	006361	U00134	004651
375 Rem. Ultra Mag.	005731	—	—	—	006351	U00133	004641

**Note (1):** See Fig. 11.

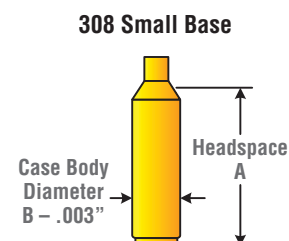
**Fig. 11 Differences between our .308 Caliber Full Length Sizing Dies**



308 Win. meets most reloading needs for this caliber.  
(Order No. 005591)



308 National Match "bumps" or sets back the case shoulder, thereby reducing headspace A by .003" from the 308 Win. Case body diameter B is the same as the 308 Win. Intended for use in bolt-action target rifles.  
(Order No. 018311)



308 Small Base retains same headspace A as the 308 Win.; however, it reduces case body diameter B by .003" from the 308 Win. This sizing is sometimes required for the proper action of ammunition intended for use in automatic, semi-automatic, slide, pump and some lever-action rifles.  
(Order No. Sizer 30853)

## Deluxe Die Box

The same Die Box that comes with all Bench Rest™ Die Sets is available separately.

DIE0002



Sold separately without the Dies shown.

### Features

- Oversized box accommodates any combination of up to three Forster Products Dies.
- Made of tough, lightweight plastic that won't crack, peel, or break, even under adverse conditions.
- Blow-molded, double-wall construction protects dies during shipment and from accidental dropping at the reloading bench.
- Measures 8 1/2" x 5 1/2" x 2 1/2".
- Dies can be safely stored without losing perfect settings.
- Holds our Dies, as well as those of other manufacturers.

Order No.	Description
DIE0002	Deluxe Die Box

## Co-Ax™ Primer Seater

Fast, easy way to seat primers.

011521



### Features

- Unique design allows the operator to eliminate all slop when working with a specific cartridge, translating into perfect seating, reliable ignition, and reduced misfires.
- Requires no additional shell holders; the jaws close to securely grip most modern rifle and pistol cases with a rim thickness of .045" to .072".
- Built-in primer flipper tray; tubes fill easily from tray.
- Large and small primer tubes have an open slot.
- Primers stack sideways for added measure of safety.
- Includes large and small primer tubes.

Order No.	Description
011521	Co-Ax™ Primer Seater

## Case Neck Graphiter

Use instead of oil lubricant when sizing the inside diameter of a fired case to prevent the possibility of gunpowder contamination.

011341



### Features

- Base is drilled to allow permanent mounting to a board or loading bench.
- Three base-mounted brushes accommodate all calibers from 22 to 35.
- Comes with enough white mica to process 2,000 to 3,000 cases.
- Includes cover to prevent contamination from dust and grit.

Order No.	Description
011341	Case Neck Graphiter
011341-012	Extra Powdered White Mica

## High Pressure Case Sizing Lubricant

Makes sizing easy.

011071



### Features

- Adheres to the case when it's forced into the Die for effortless sizing.
- Available in a single 2 oz. plastic bottle.
- Apply with a lube pad or by hand.
- Our proprietary formula contains industrial cold forming fluid.

Order No.	Description
011071	High Pressure Case Sizing Lubricant, 2 oz. bottle

## Standard and Universal Bullet Pullers

Tough, rugged, and dependable. Pulls bullets as a result of a reloading problem or because standard ammunition requires alteration.



### Features

- Two versions for use on most reloading presses:
  - Standard.** For use with standard loading presses with a 7/8"-14 thread and bullets from 17 cal. to 458 cal. Not intended for use with the Forster Products Co-Ax™ Press (see page 18).
  - Universal.** For use with the Co-Ax™ Press. Also works with standard loading presses with a 7/8"-14 thread and bullets from 17 cal. to 458 cal.
- Will not slip; the loading press pull actually tightens the grip on the bullet as it is removed.
- Sure grip reduces chance of damage, meaning the reloader can salvage more components and save money.
- Solid steel collets are sold separately.

Order No.	Description
BP1010	Standard Bullet Puller (Collets sold separately)
UP1010	Universal Bullet Puller (Collets sold separately)

## Standard and Universal Bullet Puller Collets



### Features

- Solid steel.
- Heat treated.
- Hand polished for smooth operation.
- Collets fit both Standard and Universal Bullet Pullers.

Order No.	Pulls Bullet Dia.	Order No.	Pulls Bullet Dia.
BP2017	.172"	BP2333	.333"
BP2204	.204"	BP2338	.338"
BP2224	.224"	BP2348	.348"
BP2243	.243"	BP2357 <sup>(1)</sup>	.357"
BP2257	.257"	BP2358 <sup>(2)</sup>	.358"
BP2264	.264"	BP2375	.375"
BP2277	.277"	BP2400	.400"
BP2284	.284"	BP2410	.410"
BP2308	.308"	BP2432	.429" to .432"
BP2311	.311"	BP2452 <sup>(2)</sup>	.452"
BP2323	.323"	BP2458	.458"

### Notes:

- (1) Straight bored for rifle bullets.  
 (2) Tapered and serrated ID for pistol bullets.

## Powder Funnel with Long Drop Tube

Add more powder for a full load capacity.



### Features

- Combination of funnel and 5 1/4" long drop tube.
- Can add from three to eight more grains of powder to your load.
- Momentum of powder dropping down the tube results in a larger volume by weight, so it's not necessary to compress the charge.
- Works best with 4831™ powder and other slow-burning powders when full load capacities are desired.

Order No.	Description
011021	Powder Funnel with Long Drop Tube

### Our Customers Say



I received my Bullet Puller last night, set it up, and pulled about 40, .45 caliber rounds apart in no time. What a dream to use. Thanks for making a great product.

Pretoria, South Africa



## Gunsmithing is an art. Forster helps you be a better artist.

Whether it is your hobby, your profession, or truly your passion, gunsmithing tools from Forster Products let you up your game. These products not only help you repair, modify, or customize your firearms, they help keep your guns in safe and top-notch condition. The result? Better potential, better performance, and bragging rights for your excellent workmanship.



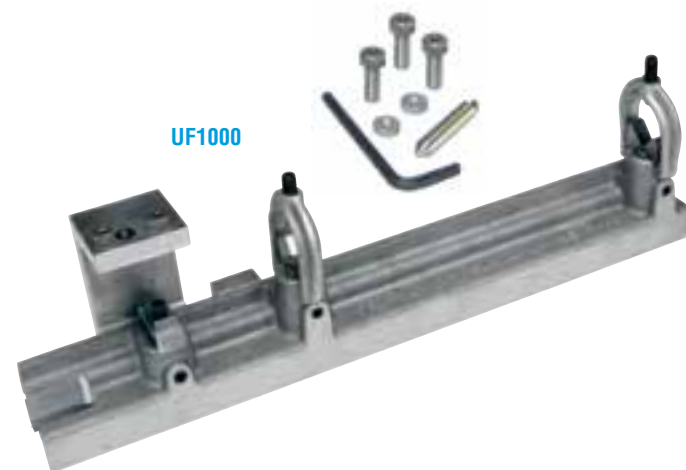
"A good friend of mine helped me get into gunsmithing and convinced me to get nothing but the best in the way of equipment, right from the start. Naturally Forster Products was what he told me to get, and I have loved every minute of my gunsmithing experience since."

~Appleton, WI



## Universal Sight Mounting Fixture

Guarantees true spacing and alignment of scope mount, receiver sight and shotgun bead holes.



UF1000



UF1000-UB0356



UF1000-UB0648  
UF1000-UB0840  
UF1000-UB1032



Mauser Barreled  
Action Clamped  
in Fixture



Mauser Action  
Ready to Be Drilled

### Features

- Precision machining from solid aluminum casting ensures all components are perfectly aligned.
- Accommodates any single barrel long gun including bolt actions, lever actions, and pump actions, as long as the barrel can be laid into the fixture's "V" blocks. The two hardened steel "V" blocks are accurately ground on the "V" as well as the shaft and are independently adjustable for height.
- Movable fixture arm locates the holes to a standard spacing determined by the over-arm, which has standard, built-in spacing increments of .500" and .860" between centers.
- Nonstandard spacing is also possible by sliding the over-arm in either direction. The over-arm is "keyed" and slides in a "T" slot. It's always in true alignment with the exact center of the gun barrel.
- Stop block provides infinite spacing.
- Drill "runout" is minimized because the drill is guided in a hardened and ground drill bushing. When you're ready to tap the hole, another bushing of the correct size is substituted for the drill bushing to help guide the tap straight and true. This prevents tap breakage.

Order No.	Description
UF1000	Universal Sight Mounting Fixture with 6-48 Bushing Set (see Order No. UF1000-UB0648 for sizes)
UF1000-UB0356	3-56 Bushing Set (2 Bushings), Marked #45 (drill), #36 (tap)
UF1000-UB0648	6-48 Bushing Set (3 Bushings), Marked #7/64 (pre-drill), #31 (drill), #27 (tap)
UF1000-UB0840	8-40 Bushing Set (3 Bushings), Marked #30 (pre-drill), #28 (drill), #18 (tap)
UF1000-UB1032	10-32 Bushing Set (3 Bushings), Marked #25 (pre-drill), #21 (drill), #9 (tap)

### Web



Go to our Video Library to view our Universal Sight Mounting Fixture video. See page 46 for details.

## Gun Screw Assortment

A great way to be sure you have what you need, when you need it.

GSA200



### Features

- Use for mounting receiver sights, scope mounts, etc.
- Heat treated and blued.
- Includes 12 each of 23 of the most popular sizes and types (see Table 9).
- Priced substantially lower than the cost of buying the same screws individually.

Order No.	Description
GSA200	Gun Screw Assortment

Table 9. Standard Gun Screws Reference Chart  
(lengths given are under the screw head)

Thread Size	Fillister Head (Type A)	Oval Head (Type B)	Plug Screw (Headless) (Type C) Not heat treated.
6-48 (.200" Head O.D.)	1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2"	1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2"	1/8"
8-40 (.240" Head O.D.)	3/16", 1/4", 3/8"	3/16", 1/4", 3/8"	1/8"
10-32	—	—	1/8"

## Headspace Gages

The proper use of a Headspace Gage is the most reliable way to test rifle chamber length.



Safety and performance are on the line. Improper headspace may be dangerous to the shooter as well as an impairment to accuracy.

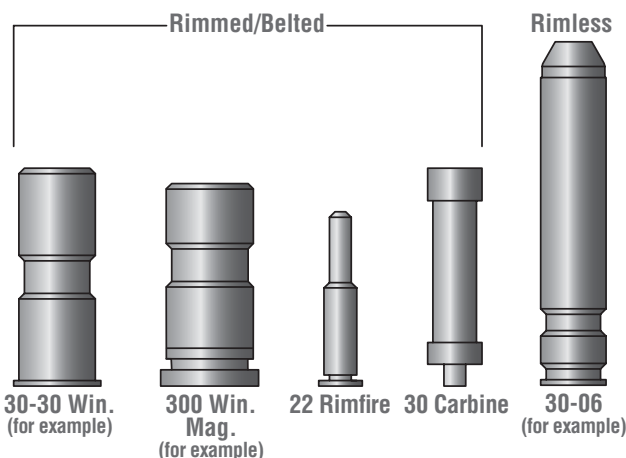
Excessive headspace may lead to gas leakage around the case or head separation and the sudden release of high pressure gas. Insufficient or excessively tight headspace may cause malfunctions such as failure to lock. It often makes extraction difficult and may cause dangerous stresses on the mechanism, which may, in turn, shorten component life expectancy or lead to failure.

### Features

- Large caliber selection of both rimmed/belted and rimless gages.
- Three lengths of Headspace Gages for most rifle calibers offered (GO, NO-GO, FIELD).
- Manufactured from top-quality, hardened steel and precision ground to ANSI and SAAMI tolerances.
- Headspace tolerance ground to a very exacting  $\pm .00015$ ".
- Each Headspace Gage thoroughly inspected with NIST-certified measurement tools.

### Ordering Information

Headspace Gages are available to fit a wide variety of rifle chambers. Ordering information is on page 40-41.



## Headspace Gage Sets

Available for 223, 308, and 30-06 calibers.



### Features

- Each set includes 11 Headspace Gages.
- Each Headspace Gage clearly marked in .001" increments.
- Enjoy significant price savings over purchasing the 11 Headspace Gages separately.

Caliber	Shortest Length (SAAMI Min.)	Longest Length (SAAMI Max.)	Order No.
223	1.4636"	1.4736"	HG223MST
308 (243 Win., 7mm-08 Win., 358 Win.)	1.6300"	1.6400"	HG308MST
30-06 (25-06, 270 Win., 35 Whelen, 6.5-06, 8mm-06)	2.0487"	2.0587"	HG3006MST

### Web



Our Website provides extensive information about how to choose the correct Headspace Gage. Go to [forsterproducts.com](http://forsterproducts.com) and click Headspace Gages.

## 5.56 NATO and 7.62 NATO Headspace Gages

Specifically designed and manufactured to check slightly longer NATO chambers.



The 5.56 NATO chambering requires a slightly longer headspace than the commercial 223 REM cal. The 7.62 NATO chambering requires a longer headspace than the commercial 308 Win.

Two Headspace Gages (minimum and maximum chambers) are available for each NATO chambering. There is not a mid-range NO-GO gage available.

### Features

- Minimum rifle chamber gage checks to ensure that the rifle will accept the longest (headspace dimension) NATO ammunition cases that are currently manufactured.
- Maximum rifle chamber gage checks to ensure that the rifle does not have excessive headspace.

Order Number	Description	Length
<b>5.56 NATO Headspace Gage</b>		
HG556NATOMin	Minimum chamber	1.4636"
HG556NATOMax	Maximum chamber	1.4736"
<b>7.62 NATO Headspace Gage</b>		
HG762NATOMin	Minimum chamber	1.6355"
HG762NATOMax	Maximum chamber	1.6455"

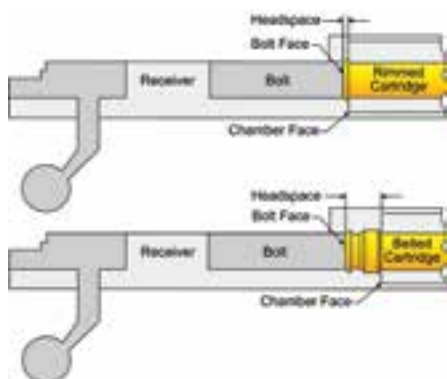
## What is Headspace?

According to SAAMI (Sporting Arms and Ammunition Manufacturers' Institute), who set product standards for firearms and ammunition, headspace is "the distance from the face of the closed breech of a firearm to the surface in the chamber on which the cartridge case seats." Some shooters are under the misconception that headspace is fixed over the life of the firearm. Headspace can increase after repeated use of ammunition that causes too much pressure. Handloaders should routinely check rifle chamber headspace every thousand rounds.

Headspace is measured differently depending on whether the firearm's caliber uses rimmed, belted, or rimless cartridges.

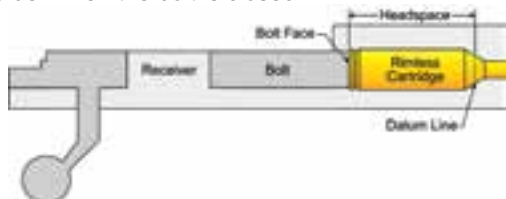
### Rimmed and Belted Cartridges

Headspace = distance between the bolt face and the top of the rim (chamber face) when the bolt is closed.



### Rimless Cartridge

Headspace = distance between the bolt face and a datum line (determined by SAAMI) where the front of the cartridge rests on its shoulder when the bolt is closed.



## Choosing the Correct Headspace Gage

Forster Products offers three lengths of headspace gages per rifle caliber. In order from the shortest to longest, they are **GO**, **NO-GO**, and **FIELD**:

- 1. GO:** Corresponds to the minimum chamber dimensions. If a rifle closes on a GO gage, the chamber will accept ammunition that is made to SAAMI's maximum specifications. The GO gage is essential for checking a newly reamed chamber in order to ensure a tight, accurate, and safe chamber that will accept SAAMI maximum ammo. Although the GO gage is necessary for a gunsmith or armorer, it usually has fewer applications for the collector or surplus firearms purchaser.
- 2. NO-GO:** Corresponds to the maximum headspace we recommend for gunsmiths' chambering new bolt-action rifles. This is NOT a SAAMI-maximum measurement. If a rifle closes on a NO-GO gage, it may still be within SAAMI specifications or it may have excessive headspace. To determine if there is excessive headspace, the chamber should then be checked with a FIELD gage. The NO-GO gage is a valuable tool for checking a newly-reamed chamber in order to ensure a tight and accurate chamber.
- 3. FIELD:** Corresponds to the longest safe headspace. If a rifle closes on a FIELD gage, its chamber is dangerously close to, or longer than, SAAMI's specified maximum chamber size. If chamber headspace is excessive, the gun should be taken out of service until it has been inspected and repaired by a competent gunsmith. FIELD gages are slightly shorter than the SAAMI maximum in order to give a small safety margin.

**Table 10. Headspace Gage Order Guide**

Cartridge's Rifle Chamber	Headspace Gage	GO Order No.	NO GO Order No.	FIELD Order No.
219 Donaldson Wasp	30-30 WCF	BG3030G	BG3030N	BG3030F
219 Zipper	30-30 WCF	BG3030G	BG3030N	BG3030F
22 Short	22LR (Rimfire)	HG22RimG	HG22RimN	HG22RimF
22 Long	22LR (Rimfire)	HG22RimG	HG22RimN	HG22RimF
22LR Match	22LR (Rimfire)	HG22RimG	HG22RimN	HG22RimF
204 Ruger	204 Ruger	HG0204G	HG0204N	HG0204F
22 PPC	PPC	HG0PPCG	HG0PPCN	HG0PPCF
22 Savage Hi Pwr.	30-30 WCF	BG3030G	BG3030N	BG3030F
22-250	22-250	HG2225G	HG2225N	HG2225F
22-284	284 Win.	HG0284G	HG0284N	HG0284F
220 Swift	220 Swift	HG0220G	HG0220N	HG0220F
222 Rem.	222 Rem.	HG0222G	HG0222N	HG0222F
222 Rem. Mag.	222 Rem. Mag.	HG222MG	HG222MN	HG222MF
223 Rem.	223 Rem.	HG0223G	HG0223N	HG0223F
243 Win.	243 Win.	HG0243G	HG0243N	HG0243F
6mm-284	284 Win.	HG0284G	HG0284N	HG0284F
6mm PPC	PPC	HG0PPCG	HG0PPCN	HG0PPCF
6mm Rem. 244	244 Rem.	HG0244G	HG0244N	HG0244F
6x45	223 Rem.	HG0223G	HG0223N	HG0223F
6x47	222 Rem. Mag.	HG222MG	HG222MN	HG222MF
244 Rem.	244 Rem.	HG0244G	HG0244N	HG0244F
25-06	30-06 Spring.	HG3006G	HG3006N	HG3006F
25-35 WCF	30-30 WCF	BG3030G	BG3030N	BG3030F
25-284	284 Win.	HG0284G	HG0284N	HG0284F
257 Roberts	257 Roberts	HG0257G	HG0257N	HG0257F
257 STW	Std. Belted Mag. .535" O.D.	BG300MG	BG300MN	BG300MF
257 Wby.	Std. Belted Mag. .535" O.D.	BG300MG	BG300MN	BG300MF
260 Rem.	243 Win.	HG0243G	HG0243N	HG0243F
264 Win.	Std. Belted Mag. .535" O.D.	BG300MG	BG300MN	BG300MF
6.5-06	30-06 Spring.	HG3006G	HG3006N	HG3006F
6.5-284	284 Win.	HG0284G	HG0284N	HG0284F
6.5 Rem. Mag.	Std. Belted Mag. .535" O.D.	BG300MG	BG300MN	BG300MF
6.5 SKAN	6.5 SKAN	HGSKANG	HGSKANN	—
6.5 STW	Std. Belted Mag. .535" O.D.	BG300MG	BG300MN	BG300MF
6.5x55 Swede	6.5x55 Swede	HG6555G	HG6555N	HG6555F
6.5 Creedmoor	6.5 Creedmoor	HG65CRG	HG65CRN	HG65CRF
6.5x257 Roberts	257 Roberts	HG0257G	HG0257N	HG0257F
270 Wby.	Std. Belted Mag. .535" O.D.	BG300MG	BG300MN	BG300MF
270 Win.	30-06 Spring.	HG3006G	HG3006N	HG3006F
270-284	284 Win.	HG0284G	HG0284N	HG0284F
275 H&H	Std. Belted Mag. .535" O.D.	BG300MG	BG300MN	BG300MF
280 Rem.	280 Rem.	HG0280G	HG0280N	HG0280F
284 Win.	284 Win.	HG0284G	HG0284N	HG0284F
7mm-08	243 Win.	HG0243G	HG0243N	HG0243F
7mm-Int. R	30-30 WCF	BG3030G	BG3030N	BG3030F
7mm Mauser (7x57)	257 Roberts	HG0257G	HG0257N	HG0257F
7mm Rem. Mag.	Std. Belted Mag. .535" O.D.	BG300MG	BG300MN	BG300MF
7mm Wby. Mag.	Std. Belted Mag. .535" O.D.	BG300MG	BG300MN	BG300MF
7-30 Waters	30-30 WCF	BG3030G	BG3030N	BG3030F
30 Carbine	30 Carbine	HG0030G	HG0030N	HG0030F



**Table 10. Headspace Gage Order Guide (continued)**

Cartridge's Rifle Chamber	Headspace Gage	GO Order No.	NO GO Order No.	FIELD Order No.
30 Herrett	30-30 WCF	BG3030G	BG3030N	BG3030F
308 Norma Mag.	Std. Belted Mag. .535" O.D.	BG300MG	BG300MN	BG300MF
307 Win.	30-30 WCF	BG3030G	BG3030N	BG3030F
308 Win.	243 Win.	HG0243G	HG0243N	HG0243F
7.62x54 Russian	7.62 x 54 Russian	—	BG762RN	BG762RF
300 Blackout	300 Blackout	HG0300G	HG0300N	HG0300F
30-06	30-06 Spring.	HG3006G	HG3006N	HG3006F
30-284	284 Win.	HG0284G	HG0284N	HG0284F
30-30	30-30 WCF	BG3030G	BG3030N	BG3030F
30-338 Win. Mag.	Std. Belted Mag. .535" O.D.	BG300MG	BG300MN	BG300MF
30-378 Wby.	Large Wby. Mag. .603" O.D.	BGWBYG	—	BGWBYF
30-40 Krag	30-40	BG3040G	BG3040N	BG3040F
300 H&H	Std. Belted Mag. .535" O.D.	BG300MG	BG300MN	BG300MF
300 Win. Mag.	Std. Belted Mag. .535" O.D.	BG300MG	BG300MN	BG300MF
300 Wby.	Std. Belted Mag. .535" O.D.	BG300MG	BG300MN	BG300MF
303 British	303 British	BG303G	BG303N	BG303F
303 Savage	30-30 WCF	BG3030G	BG3030N	BG3030F
32 Win. Sp.	30-30 WCF	BG3030G	BG3030N	BG3030F
32-40	30-30 WCF	BG3030G	BG3030N	BG3030F
8mm Mauser (8x57) <sup>(1)</sup>	8x57 Mauser	HG8X57G	HG8X57N	HG8X57F
8mm Mauser (8x57) <sup>(2)</sup>	8x57 Mauser	HG8MMOLDG	HG8MMOLDN	HG8MMOLDF
8mm Rem. Mag.	Std. Belted Mag. .535" O.D.	BG300MG	BG300MN	BG300MF
338 Federal	243 Win.	HG0243G	HG0243N	HG0243F
338 Win. Mag.	Std. Belted Mag. .535" O.D.	BG300MG	BG300MN	BG300MF
338-06	30-06 Spring.	HG3006G	HG3006N	HG3006F
340 Wby.	Std. Belted Mag. .535" O.D.	BG300MG	BG300MN	BG300MF
35 Whelen	30-06 Spring.	HG3006G	HG3006N	HG3006F
35-284	284 Win.	HG0284G	HG0284N	HG0284F
350 Rem. Mag.	Std. Belted Mag. .535" O.D.	BG300MG	BG300MN	BG300MF
356 Win.	30-30 WCF	BG3030G	BG3030N	BG3030F
358 STA	Std. Belted Mag. .535" O.D.	BG300MG	BG300MN	BG300MF
358 Win.	243 Win.	HG0243G	HG0243N	HG0243F
375 H&H	Std. Belted Mag. .535" O.D.	BG300MG	BG300MN	BG300MF
375 Win.	30-30 WCF	BG3030G	BG3030N	BG3030F
378 Wby.	Large Wby. Mag. .603" O.D.	BGWBYG	—	BGWBYF
38-55 WCF	30-30 WCF	BG3030G	BG3030N	BG3030F
416 Rem.	Std. Belted Mag. .535" O.D.	BG300MG	BG300MN	BG300MF
416 Wby.	Large Wby. Mag. .603" O.D.	BGWBYG	—	BGWBYF
458 Win. Mag.	Std. Belted Mag. .535" O.D.	BG300MG	BG300MN	BG300MF
460 Wby.	Large Wby. Mag. .603" O.D.	BGWBYG	—	BGWBYF

**Notes:**

- (1) Used for checking the current SAAMI-specified 19° shoulder angle.  
(2) Used for checking the 20° 48' shoulder angle. This chamber is no longer manufactured.

**Tip**


- GO:** Corresponds to the minimum chamber dimensions.
- NO-GO:** Corresponds to the maximum headspace recommended for gunsmiths chambering new bolt action rifles.
- FIELD:** Corresponds to the longest safe headspace.

Go to [forsterproducts.com](http://forsterproducts.com) and click Headspace Gages for more information about these three Headspace Gage lengths.

**Table 11. Caliber Interchangeability for Rimmed/Belted Headspace Gages**

Use This Headspace Gage	To Check These Cartridges' Rifle Chambers
22 Rimfire	22 Short 22 Long, 22 LR Match
30-30 WCF	219 Donaldson Wasp 219 Zipper 22 Savage Hi Pwr. 25-35 WCF 7-30 Waters 7mm Int. R 30 Herrett 303 Savage 32 Win. Sp. 307 Win. 32-40, 356 Win. 375 Win. 38-55 WCF
Std. Belted Mag. .535" O.D.	257 Wby. 257 STW 264 Win. 6.5 STW 6.5 Rem. Mag. 270 Wby. 275 H&H 7mm Rem. Mag. 7mm Wby. Mag. 300 H&H 300 Wby. 300 Win. Mag. 30-338 Win. Mag. 308 Norma Mag. 338 Win. Mag. 8mm Rem. Mag. 340 Wby. 350 Rem. Mag. 358 STA 375 H&H, 416 Rem. 458 Win. Mag.
Large Wby. Mag. .603" O.D.	30-378 Wby. 378 Wby. 416 Wby. 460 Wby.

**Table 12. Caliber Interchangeability for Rimless Headspace Gages**

Use This Headspace Gage	To Check These Cartridges' Rifle Chambers
PPC	22 PPC 6mm PPC
223 Rem.	223 Rem. 6x45
243 Win.	243 Win. 260 Rem. 7mm-08 308 Win. 338 Fed 358 Win.
244 Rem.	244 Rem. 6mm Rem-244
257 Roberts	257 Roberts 6.5x257 Roberts 7mm Mauser (7x57)
284 Win.	284 Win. 22-284 6mm-284 25-284 6.5-284 270-284 30-284 35-284
30-06 Spring.	25-06 6.5-06 270 Win. 30-06 8mm-06 338-06 35 Whelen

## Web



Go to our Video Library to view our Headspace Gage video. See page 46 for details.

## Gunsmith Screwdriver Set

Most commonly used sizes in a convenient storage pouch.



001201

### Features

- Includes eight commonly used screwdriver sizes.
- Handy, durable storage pouch may be hung near work area for easy access.

Order No.	Description
001201	Gunsmith Screwdriver Set (Includes Nos. 1, 2, 3, 4, 5, 14, 15, 16)

## Gunsmith Screwdrivers

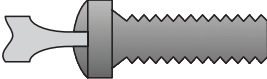
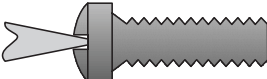
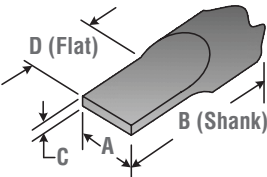
The right tool and the right quality for the job.



### Features

- Hollow ground blades with square faces accurately fit screw slot for optimal torque, will not damage screw or chamfer work (see Fig. 12 in Table 13).
- Made of high-quality steel and carefully heat treated.
- Each screwdriver is an individual unit, no sloppy inserts to slip in and out.

Table 13. Gunsmith Screwdriver Order Guide

<p>Fig. 12</p> <p>Forster Products Screwdriver Blade</p>  <p>Other Screwdriver Blade</p> 			 <p>Dimensions</p>			
			A	B	C	D
001051	1	Rem., Win., etc., plug screws, S&W side plate screws	1/8"	4"	0.023"	0.048"
001061	2	Lyman, Leupold, Redfield scope screws, backstrap six gun	3/16"	4"	0.032"	0.046"
001071	3	B&L, Weaver, Buehler scope mount screws	3/16"	4"	0.037"	0.046"
001081	4	Williams 10-32 screws	1/4"	4"	0.041"	0.062"
001091	5	Rem., Win., Sako, Savage, etc., guard screws	5/16"	4"	0.040"	0.062"
001101	6	Special for butt stock screws	3/8"	12"	0.065"	0.062"
001131	10	Win., O/U butt, Browning trigger guard	3/8"	4"	0.021"	0.062"
001161	13	Browning automatic receiver screws	1/4"	4"	0.024"	0.062"
001171	14	Guard screws, general purpose	5/16"	4"	0.034"	0.062"
001181	15	Guard screws, general purpose	5/16"	4"	0.037"	0.062"
001191	16	Redfield streamlined scope mount rings	11/64"	4"	0.031"	0.046"
018001	17	Small screws, general purpose	1/8"	4"	0.035"	0.048"

### Web



Go to our Video Library to view the Gunsmith Screws and Screwdrivers video. See page 46 for details.

## Trigger Guard Screws

An inexpensive way to replace damaged guard screws to upgrade the appearance of your firearm.

### Features

- Superior, hot salts blued finish.
- Machine-turned heads for tighter tolerances and better fit.
- Provided in sets of two, three, and four, depending on gun model.



Order No.	Model	No. of Screws in Set
GD2ENF	Enfield reg.	2
GD2ENS	Enfield straightened	2
GD2J65	6.5 Jap	2
GD2J77	7.7 Jap	2
GD2MNL	Mauser, non-locking	2
GD2SAK	Sako (except Model 75)	2
GD2SPK	Spring Krag	2
GD2SVG	Savage 99	2
GD2SXL	Spring. XLong Rear Tang (03A3)	2
GD3REM	Rem.	3
GD3WIN	Win. 70	3
GD3WIN54	Win. 54	3
GD4MLK	Mauser, locking type	4

## Stockmakers Hand Screws

Tough enough for repeated trial fittings.

### Features

- Used in the final, accurate fitting of stock to action.
- Precision manufacture and hardening allow repeated trial fittings.
- Provided in sets of two.



Order No.	Model	Order No.	Model
SMENFI	Enfield	SMWINC	Win. 70
SMJAP6	6.5 Jap	SMREMI	Rem. 700/721/722 Sav. 110, Wby. MK V Dakota
SMJAP7	7.7 Jap		
SMMAUS	Mauser 98		
SMSAKO	Sako (except Model 75)		
SMSPRI	Spring./Krag	SMRUGR	Ruger 77

## Stock Inletting Guide Screws

Keeps action square during the stock inletting process.

### Features

- Extra long, headless, and free of threads in the fitting area.
- Allow repeated removal of barreled action in and out of stock without removing screws.
- Provided in sets of two.



Order No.	Model	Order No.	Model
SIENFI	Enfield	SISAKO	Sako Howa Vanguard Wby
SIJAP6	6.5 Jap	SISPKR	Spring./Krag
SIJAP7	7.7 Jap & CZ550	SIWINC	Win. 70
SIM AUS	Mauser		
SIREMI	Rem.700/721/722 Sav. 110 Wby. MK V Dakota		



## Swiv-O-Ling Vise

The most versatile, hassle-free vise for any workbench.



### Features

- Fully rotatable jaws tilt to your best working angle and securely lock in place – no need to unclamp, turn, and reclamp work.
- Case hardened jaws open to 1".
- Removable jaw tightening handle keeps handle from interfering with work.
- Overall height is 5 1/4".
- Gold anodized cast aluminum base drilled for mounting.

Order No.	Description
SV1000	Swiv-O-Ling Vise

## Universal Drift Punch

A versatile tool for all semi-auto and pump long guns.



### Features

- Use to remove the cross pin that retains the trigger group to the receiver in virtually all semi-automatic and pump long guns.
- 3/16" solid brass shaft protects your firearm.

Order No.	Description
UDP100	Universal Drift Punch

## "Gold" Inlay Filling Kit

Adds a touch of elegance to any engraved firearm.



001001

001041-021

### Features

- Fills engraving and lettering on firearms.
- Enhances value of new or used guns.
- Includes enough material (vials of fine bronze powder, cleaner, sealant and application patches) for five to ten guns.
- "Silver" (vial of fine aluminum powder) available separately for use with the contents of the "Gold" Inlay Filling Kit.
- Ideal for other hobbies such as model railroad engines.

Order No.	Description
001001	"Gold" Inlay Filling Kit
018271	"Gold" Inlay Filling Kit (pack of 1 dozen)
001041-021	"Silver" Vial of Fine Aluminum Powder

## Kwik-Fill Sandbag Filler

Helps get the sand in the bag instead of around it.



### Features

- Durable, compact funnel with a long drop tube.
- Easily fits into a range bag.

Order No.	Description
KF1000	Kwik-Fill Sandbag Filler

### Web



Go to our Video Library to see videos of the "Gold" Inlay Filling Kit, Universal Punch, Swiv-O-ling Vise, and the Polishing Roll. See page 46 for details.

# ORDERING INFORMATION

We recommend using our Distributors when ordering. 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 Distributor go to [forsterproducts.com](http://forsterproducts.com), then click **Locate a Distributor**. If your Distributor cannot supply you, please contact Forster Products directly either **online** or by **phone** or **fax**.



## Online

Once you have located the products you would like to buy in the catalog, use our website for secure, online ordering.

**All orders placed require a MasterCard, Visa, or Discover credit or debit card.**

- Go to [forsterproducts.com](http://forsterproducts.com).
- Click **Search** on the menu bar (upper left corner of the homepage).
- Two searches will appear. Go to the second search called **SEARCH WEBSITE BY KEY WORD** and follow the instructions, using the catalog order number as the keyword.
- For order review and checkout, click **View Shopping Cart** on the menu bar and follow the instructions.

**Phone:** 815-493-6360, Monday–Friday, 8:00 am–4:00 pm, Central Time.

**Fax:** Fax purchase orders 24 hours a day to 815-493-2371.

## Other Information Available from Our Homepage

**Case Trimming Tools and Accessories Search:** To find the Case Trimmer model, Collets, Pilots, Trimmer Accessories, and Shell Holder Jaws for Co-Ax™ Press that work with your particular caliber, please use our handy online search.

- Go to [forsterproducts.com](http://forsterproducts.com).
- Click **Search**.
- Two searches will appear. Go to the first search called **SEARCH BY CALIBER/CARTRIDGE** and enter your caliber or cartridge.
- The final search results will be a table similar to that shown to the right.

### Custom Machining Services

We machine to customers' exact specifications, including some custom Dies, Collets, and Pilots, as well as provide such services as Die repolishing, Case Trimmer Cutter shaft resharpener, and even stuck case removal. A complete list of services, including prices and approximate lead times, is available at [Custom Machining Services](#).

### Replacement Parts

If you lose a die seating stem or accidentally damage a decapping assembly spindle, don't worry. Every product component is available individually. A complete list of component order numbers and prices is available at [Components/Parts List](#).

### Documentation Library and Video Library

Detailed user instructions are available to help you understand how to correctly use our products. A complete list of user instructions is available at [PDF Library/Instructions](#). Some products have videos at [Video Library](#).

**Payment, Shipping and Product Return Information**  
Available at [Customer Service](#).

#### FORSTER PRODUCTS TOOL SEARCH BY CARTRIDGE RESULTS

For the selected cartridges, please reference the Forster products below. Please click on the part numbers for product and ordering information.

<b>220 Swift</b>	
Case Trimmer	Original, CT1010 or CT1010
Model:	
Trimmer Collet:	#1, CT1001
Trimmer Pilot:	#22, CT1022
Neck Reamer:	#224, NR1224
3-in-1 Case Mouth	CM10224
Cutter:	
Trimmer Mounted	CT2224
Neck Turner Pilot:	
(for CT1010)	
Hand Held	HD2224
Neck Turner Pilot:	
(for HD2224)	
Notes:	Use factory 220 Swift boxes.
Shell Holder Jaws	SH (use large end)
for Co-Ax™ Press:	
Full Length Sizing	005111
Die:	
Neck Sizing Die:	006421
Bushing Bump	Not available for this cartridge
Neck Sizing Die:	
Bushing Bump	Not available for this cartridge
Neck Sizing Die	
Kill:	
Bench Rest®	003801
Seater Die:	
Ultra Micrometer	UD0028
Seater Die:	
Bench Rest Die	001111 — includes one Full Length Sizing Die and one Bench Rest Seater Die
Set:	

### Our Customers Say



Thank you all for the time you have taken to answer my questions and to address my concerns. I've contacted you many times over the years, and you have always gotten back to me quickly and courteously. You make great stuff, but you're great folks, too!

River Falls, WI



## Our Quality Policy.

At Forster Products it is our goal to furnish high-quality products that meet customer specifications and exceed expectations at a price that represents value to our customers.

**All products are proudly made in the U.S.A.**

### Our Customers Say



Thank you so much for something "manufactured in America" that I can have so much fun with and be proud of.

*San Antonio, TX*

### Warranty

Forster Products warrants goods of its manufacture against defects in materials and workmanship for the life of the product. Parts excluded from the warranty are those that, by nature of their function, are subject to normal wear (such as springs, pins, etc.) or that have been altered, abused, or neglected. 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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## Forster ProStaff

Whether you are a hunter or competitive shooter, Forster Products focuses on your needs and listens to your requests. We team with our ProStaff members – a special advisory panel of accomplished shooters, reloaders, and gunsmiths – whose input helps us improve upon current products and develop new ones, all so you can excel in the sport you love.

Count on the professionals at Forster Products, along with our ProStaff experts, to help you enhance your reloading and gunsmithing skills.



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