

E.R. Shaw Inc.



Makers of Precision  
Gun Barrels





## CREATING A FINE INSTRUMENT

You'll find E.R. Shaw gun barrels all over the world – utilized by some of the biggest firearms manufacturers as well as individuals who want only the best.

E.R. Shaw engineers only Premier Grade barrels made by skilled craftsmen with years of barrel-making experience and utilizing the latest technology and metals.

When you need a gun barrel, precision engineered to very exacting specifications, you need E.R. Shaw. Their years of research and hands-on experience combine to provide you with a fine finished product.

Our engineering & Design Department is at your service. Whether it's a large quantity run of rifle, pistol, or shotgun barrels, or a single custom order, we will engineer it precisely to your requirements. Contact them with the details of your requirements.



**E.R. SHAW INC.**

MAKERS OF PRECISION  
GUN BARRELS



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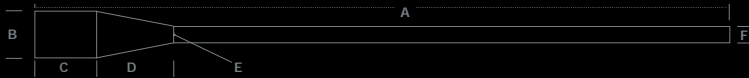
More information regarding these and other products and services are available on our website at [www.ershawbarrels.com](http://www.ershawbarrels.com).

# Twist Rates

Use the chart at right to select the standard twist rate for your custom rifle. Twist rates must correspond to the calibers below. Only two calibers have the option of multiple twist rates (.224 and .458).

Please refer to the  icons in the caliber list (at right) to determine which twist rate must be used in your custom barrel. The number in the box corresponds to the number of inches per complete right-hand twist. For example:  would mean that your barrel caliber requires a twist rate of 1 per 14 inches.

# Barrel Contours and Weights



	A	B	C	D	E	F	Weight	Calibers
Contour 1 Lightweight Sporter	24"	1.140"	2.000"	2.000"	.850"	.550"	2lbs., 11oz.	.22 to .30
Contour 1½ Magnum Sporter	24"	1.150"	2.250"	2.250"	.850"	.600"	3lbs., 2oz.	.22 to .30
Contour 2 Medium Sporter	24"	1.250"	2.250"	2.250"	.770"	.600"	3lbs., 2oz.	.22 to .30
Contour 2½ Heavy Sporter	26"	1.200"	2.250"	2.250"	.820"	.625"	3lbs., 9oz.	.22 to .375
Contour 3 Varmint Weight	26"	1.250"	2.750"	2.250"	.900"	.700"	4lbs., 3oz.	.22 to .45
Contour 4 Bull Barrel	24"		1.125" entire diameter				7lbs.	.22 to .45
Contour 5 Heavy Bull	26"		1.250" entire diameter				9lbs.	.22 to .45

# Available Calibers

 .221 Rem.	6mmx47
.222 Rem.	.250 Savage
.223 Rem.	.257 Roberts
.222 Rem. Mag.	.257 Ackley (40°)
.225 Win.	.25-284
.22 Rem. BR	.25-06 Rem.
.22-250 Rem.	.257 Wby.
.220 Swift.	 .260 Rem.
.22 Hornet	6.5mmx55
.22 K Hornet	6.5mm-06
.22 PPC	6.5mm Rem. Mag.
.224 Wby.	6.5mmx.284
 6mm Rem. BR	.264 Win. Mag.
6mm PPC	 .270 Win.
.243 Win.	.270-300 Wsm.
6mm Rem.	 7mmx57 Mauser
.240 Wby.	7mm-08
6mm-284	

.280 Rem.  
(7mm Express Rem.)

.280 Ackley (40°)

7mm JRS

.284 Win.

7mm Rem. Mag.

7mm BR

7mm S.T.W.

7mm Ultra Mag.

7mm-300 Wsm.

7mm Rem. SM

**10** .30-30 Win.

.30 Rem. SM

.300 Savage

.308 Win.

.30-06

.308 Norma Mag.

.30-338

.300 H&H

.300 Win. Mag.

.300 Wby.

.300 Rem. Ultra Mag.

.300 Wsm.

.300 Win. Mag.

**9.5** 8mm Mauser (8x57)

8mm-06

8mm Rem. Mag.

**10** .338-06

.338 Win. Mag.

.338 Ultra Mag.

**14** .35 Rem.

.358 Win.

.35 Whelen

.35 Whelen Imp.

.350 Rem. Mag.

.358 Norma

**12** .375x8mm Mag.

.375 JRS

.375-338 Mag.

.375 Ultra

.375 H&H

**15** .416 Rem. Mag.

.416 Taylor

**14 & 22** .458x2" American

.450 Marlin

.45-70 Gov't.

.458 Win. Mag.

**\* Please note:**

We are always adding  
new calibers to our list.

Please call for availability  
of calibers.

Short chambering also  
available on all barrels.





## Gunsmithing Services

Our gunsmithing department can drill and tap military actions for scope mount bases, alter feed rails, open bolt faces for standard magnum cartridges, modify bolt handles for scope clearance or install new, custom bolt handles. We provide barrel installation and finishing services,

action modifications, and we will also drill and tap for and install Williams front and rear sights. Contact us, refer to our pricelist (pg. 13), or see our website for our complete gunsmithing services list.

\* Notice: All barrels must be fitted by a competent Gunsmith

# Barrel Installation

Let our Gunsmithing Department fit an E.R. Shaw barrel to your bolt action. We can handle just about any turnbolt - Mausers (military, commercial and Siamese); Springfields, Enfields (P-14 and P17 only); all Remington 700 series, Winchester Model 70, Savage 110 series, Weatherby Mark V and Vanguard, Ruger 77, etc. Unfortunately, we do not

install .22 rimfire, semi-autos, single shots, or levers. The only pistol that we rebarrel is the Remington XP-100.

We do not alter commercial actions from Standard to Magnum caliber; for example: Remington, Ruger, Savage, and Winchester.

\* Notice: All barrels must be fitted by a competent Gunsmith





## Fluted Barrels

We offer two different types of fluting for you to choose from for your gun barrel. Straight fluting adds quicker heat dissipation, less weight, and a more rigid barrel.

The concept of our trademarked helical fluting (U.S. Patents DES. 426,611 & USG. 324,780B1) on our barrels is to provide more flutes per inch on the barrel than conventional straight fluting.

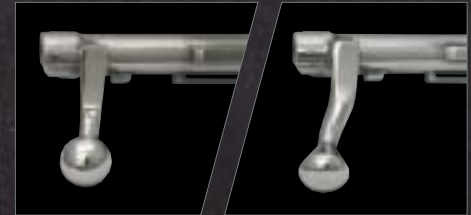
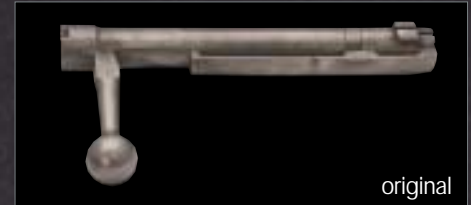


That gives the shooter a barrel up to 30% more rigid than a straight fluted barrel. Helical fluting also provides more cooling than a conventional

straight fluted barrel and improved barrel harmonics. Most importantly, it counteracts rotational torque, resulting in a more comfortable shot and greater consistency.

# Bolt Handle Modifications and Action Modifications

Let us alter your existing military bolt action handle for scope clearance. We can expertly install custom bolt handles on your action, or we can alter your existing bolt handle. Shown at right: Standard military bolt handle. Below at right: Altered existing bolt handle (left), New E.R. Shaw custom bolt handle (right)



Action modifications are for military actions only. The following alterations can be done.

- Drill and Tap for scope
- Lap Locking Lugs
- Install Timney Low Scope Safety
- Install Timney Adjustable Trigger
- Alter for Standard Magnum Calibers
- True Up Receiver
- True Up Bolt Face



# Finishes and Bluing Services

Our premium-grade bluing is second to none. We use an exclusive blue-black process which results in a rich, deep luster, not the chrome-like finish that is so impractical on a hunting rifle.

For those wishing that added custom touch, we offer a bead-blast matte finish which is glare-free and lends an understated elegance to any rifle, especially those stocked in the classic style.

Our bead-blast matte finish is also available on our 416 Stainless Steel barrel. Please note that our action bluing services are available only on rifle barreled actions that we have installed on one of our barrels.

Premium Grade Bluing on  
Bead-Blast Matte Finish



Premium Grade Bluing  
on Polished Finish



Bead-Blast Matte  
Stainless Finish



Polished Stainless Finish



# Rifled Shotgun Barrels

## *Rifle Performance from a shotgun?*

For years we've been one of the nation's largest rifle and shotgun barrel manufacturers, supplying the gunsmithing trade as well as many OEM's both here and abroad.

We will fit our rifled shotgun barrels to solid-frame receivers, High-Standard/J.C. Higgins, Winchester Model 25, and some bolt actions.



## *Rifling in a shotgun!*

We will supply contoured blanks, 25½ inches long (will clean up at 24 inches).

The breech end is cylindrical for four inches at 1.225, then straight-tapers to .925 at the muzzle.

Rifling is 1-28 RH; nominal bore and groove diameters are .719 and .729, respectively.

Steel is AISI-4140 with Rockwells 24-28 on the "C" scale.



Use our simple online ordering system to create your very own custom barrel for your rifle. Just follow our four step process.

**STEP 1**

Go to our custom barrel page, click begin and start by choosing the type of bolt action for your gun. From the available choices, choose your desired contour, then caliber.

Click to continue to step 2. Review your choices and click to continue or go back to make changes.

**STEP 2**

Choose your desired metal type, barrel length, twist rate. These options will be determined by your previous selections. Click to continue to step 3.

**STEP 3**

Select from additional options such as fluting or other gunsmithing services such as finishing, barrel installation, and bolt handle or action modifications. Click to finish and to review your barrel order.

**FINISH**

Review your order and click to place your order. Fill in all the information and click to order now. We will review your order and email you to instruct you on what we need to complete your order. It's that simple.

# PRICE LIST

## E.R. Shaw Rifle Barrels

Shaw Contours 1 thru 5, chambered and threaded for your action

4140 Chrome Moly Steel	\$ 155.00
416 Stainless Steel	\$ 225.00

## Barrel Blanks

Contoured Blank, 4140S Chrome Moly	\$ 125.00
Contoured Blank, 416SS	\$ 200.00

## Remington 700 Factory Contours\*

Direct replacement barrels (minimal stock work may be needed). Threaded and Short Chambered.

#1 Sporter Contour, #2 Magnum Contour & #3 Varmint Contour available at the same price	
4140 Chrome Moly Steel	\$ 170.00
416 Stainless Steel	\$ 240.00

## Savage 10/110 Factory Contoured Barrels\*

Direct replacement barrels (Minimal stock work may be required) threaded and chambered for your action.

Available in Standard, Magnum, Heavy Magnum & Varmint Contours at the same price.	
4140 Chrome Moly Steel	\$155.00
416 Stainless Steel	\$225.00

## Fluting on Rifle Barrels

(Add cost to price of barrel)

Straight	\$ 105.00
Helical	\$ 130.00

(Available only on barrels manu. by E.R. Shaw)

## Ruger 10/22 Barrels

"Drop-in" barrels for the Ruger 10/22 & 10/22 Magnum Rifles Available in 18" Factory Contour & 18" or 20" .920 Target Bull Contour in either 4140 Chrome Moly Steel or 416 Stainless Steel. These barrels are offered in .22 L.R., .22 WMR, .17 HMR, .17 HM2 (with bolt handle conversion kit) & the new .17 PMC.

Call or visit our web site for specific pricing

## Fluting for 10/22 Barrels

Straight Fluting	\$ 80.00
Our Patented Helical Fluting	\$105.00

## Rifled Shotgun Barrels

Rifled Shotgun Barrels	\$ 155.00
(available only with barrel installation)	

Rifled Shotgun Blanks	\$ 125.00
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## Bluing

On rebarreled actions:

Premium polish and blue	\$ 105.00
Bead blast matte finish	\$ 95.00

Other bluing services available, Priced on Request

## Gunsmithing

Fit and testfire barrel to Bolt Actions	\$ 75.00
Alter actions for standard mag. cartridges	\$ 65.00

Drill and tap action for Redfield or Weaver bases	\$ 45.00
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Alter Siamese Mauser actions for .45-70 cal.	\$ 75.00
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Forge and polish bolt handle for scope	\$ 60.00
Supply and install new bolt handle for scope	\$ 75.00

True bolt face	\$ 40.00
True face of receiver	\$ 40.00

Lap Locking Lugs	\$ 55.00
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Supply and install muzzle brake	
4140 Chrome Moly	\$155.00
416 Stainless Steel	\$160.00

Supply and install Bold Trigger

Optima	\$85.00
Premium	\$ 60.00

Supply and install Timney Low Safety

Supply and install Commercial Mauser Shroud	\$65.00
	\$55.00

Recoil Lugs for Remington 700, Savage 110 .250"

Blued Stainless Steel	\$40.00
	\$45.00

Shipping, Handling and Insurance Barrel	\$20.00
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Barreled Actions	\$30.00
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Additional for Return of Old Barrel**	\$10.00
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\*\* Letter must state return of barrel

## Shipping, Handling and Insurance to Alaska and Hawaii

Priced on Request based on current rates\*\*

**Note:** All barrels must be installed by a competent gunsmith.

**\*Note:** .17 and .20 caliber center fire barrels are \$25.00 additional.

## Ordering Instructions

When ordering an item or service from E.R. Shaw Inc., we will need your name, address, your phone number with area code, and a letter of instruction. All of this is possible through [www.ershawbarrels.com](http://www.ershawbarrels.com), as well as through a written letter as stated above. Dealer discounts are available with a signed copy of your FFL.

Please do not send stocks or scopes. If you are going to have your barreled action blued and would like to have the ring and bases or any miscellaneous metal (steel, not cast/aluminum) items blued to match, you may send them to us.

We do not alter commercial actions from Standard to Magnum caliber; for example: Remington, Ruger, Savage, and Winchester.

Please include your street address for shipping, we cannot ship to Post Office boxes. We accept Visa and MasterCard, or you may pay in advance with a check.

If you have any other questions or concerns, please call us at 412.221.3636, email us at [sales@ershawbarrels.com](mailto:sales@ershawbarrels.com), or contact us through our website at [www.ershawbarrels.com](http://www.ershawbarrels.com).

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