

LOADING KITS

Premium Muzzle Loading Hunters/Shooters Kit

ORDER#	CALIBER
01028	.45 cal. (.440 round balls)
01026	.50 cal. (.490 round balls)
01027	.54 cal. (.530 round balls)

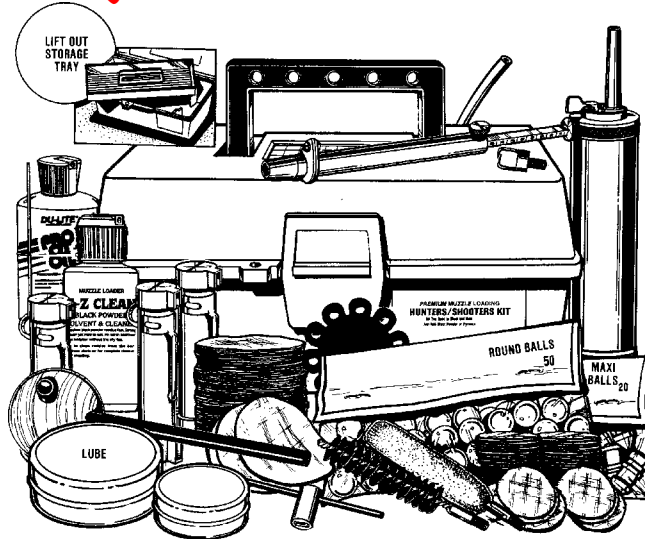
ALL YOU NEED TO START SHOOTING AND HUNTING EXCEPT THE PROPELLENT POWDER AND PERCUSSION CAPS!

Included is a very handy shooting and storage box with a convenient lift out tray. The shooting box is especially designed so that a lock can be added if desired.

This kit is intended for the beginner who needs everything to shoot and hunt and who wants top quality shooting accessories. There are also cleaning and maintenance supplies included so you can clean and protect your gun. Available in percussion only.

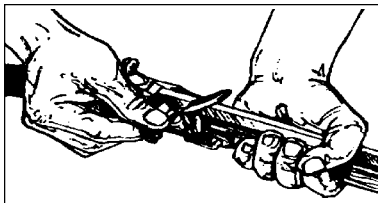
Premium Hunters/Shooters Kit includes: 50 round balls; shooting patches; adjustable powder measure; solvent; nipple wrench; bore swab; bore brush; cleaning tube; 20 maxi balls; cleaning patches; ball starter; bullet or patch lube; silent hunting capper; powder flask; oil; patch worm; bullet puller; lightening loaders; loading, shooting, and cleaning instruction book, *Welcome to Muzzle Loading... The Way We Do It.*

Not exactly as pictured.



Premium Muzzle
Loading
Hunters/
Shooters Kit

Welcome to Muzzleloading The Way We Do It! Booklet



ORDER#
302109

A beginners HOW TO illustrated booklet for basic loading, shooting, cleaning and caring for muzzle loaders. A newcomer to the sport of muzzleloading is usually faced with the dilemma or confusion of what to do, how to do it, where to begin, etc.

"Welcome To Muzzleloading" will attempt to get you started out on the right foot. It's a brief summary of the

whats, whys, and hows of the black powder sport.

Subjects covered are safety, propellants, patching, projectiles, percussion caps, loading, cleaning and maintenance, and gun care.

This booklet is just a "primer" of terms and procedures but it's the basic fundamentals you will use throughout your journey of the sport of muzzleloading.

Welcome to
Muzzleloading
The Way We
Do It!
Booklet



POWDER MEASURES

Adjustable Black Powder Measure



Basic adjustable powder measure. Part # 16361 is adjustable from 0 to 120 grains and Part # 16362 is

adjustable from 30 to 150 grains. Graduated in 10 grain increments, but can be set at any point between graduations. Constructed of brass as originals were. Measure is calibrated for FFFG black powder. Equally suitable for Pyrodex.

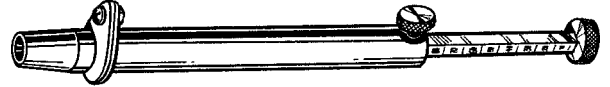
Measure most used by shooters for its simplicity, safety, economy and dependability.

ORDER#	DESCRIPTION
16361	0 to 120 grains <i>Our most popular powder measure.</i>
16362	30 to 150 grains <i>(will work with Black Canyon Powder)</i>

Adjustable
Black Powder
Measure

Powder Measure with cutoff spout

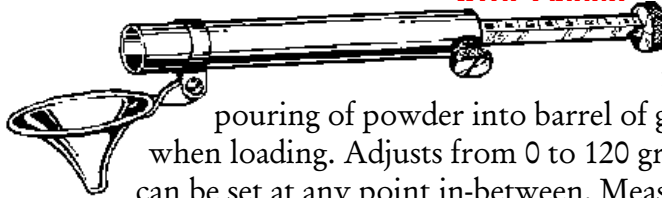
An accurate and safe measure for black powder shooting. Made of solid brass, this accessory measures exact loads from 10 to 120 grains. Non-spill spout design makes pouring convenient. **Made in USA.**



ORDER#
16359

Powder
Measure with
cutoff spout

Adjustable Black Powder Measure with Funnel



Adjustable powder measure with pivot funnel attached. Funnel allows easy pouring of powder into barrel of gun, preventing the spilling of powder when loading. Adjusts from 0 to 120 grains, marked in 10 grain graduations but can be set at any point in-between. Measure is made of brass. For .32 caliber and larger. Like most powder measures for black powder it is calibrated for FFFG black powder or RS Pyrodex.

ORDER#
16375

Adjustable
Black Powder
Measure
with Funnel

Fixed Powder Measure

ORDER#	SIZE	ORDER#	SIZE
16715	15 grains	16719	70 grains
16363	20 grains	16370	75 grains
16716	25 grains	16720	80 grains
16364	30 grains	16721	90 grains
16717	35 grains	16371	100 grains
16365	40 grains	16722	110 grains
16366	50 grains	16372	125 grains
16718	60 grains		



A fixed powder measure made from polished brass. Measures are provided with a hole for tying to horn or hunting bag. These measures can be reduced in length for exact charge wanted. **Made in USA.**

Fixed Powder
Measure

FLASKS

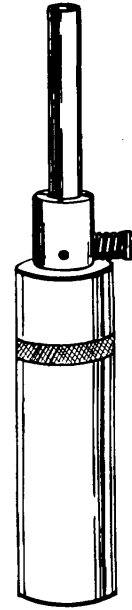
Tube Flask

Round powder flask. Constructed of all safe spark proof brass. Ideal container to store and measure black powder or Pyrodex. Filling of the flask is made easier thru a larger 1/2" hole in the flask end. Simply remove the valve to fill flask. Powder will flow more freely thru the enlarged hole in the improved powder cutoff valve. Solid flat end will sit upright on shooting bench or table. Flask body is 5" long by 1 1/4" in diameter. Flask will hold about 4 ounces of black powder. Comes with an 80 grain spout.

Never pour black powder or Pyrodex directly from flask spout into gun bore or barrel.

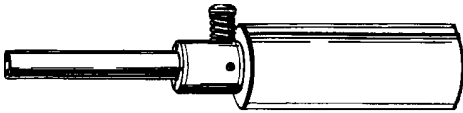
Made in USA.

ORDER#
06138



Tube Flask

Carbine Tube Flask



ORDER #
06142

Carbine Tube Flask has the same great features as our original tube flask. The only difference is the body length has been shortened for more convenient carrying in the field. Carbine flask holds approx. 2 ounces of black powder. Comes with an 80 grain spout.

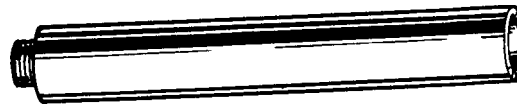
Carbine Tube
Flask

Flask Spouts

These replacement flask spouts will fit most Italian made powder flasks except the small .31 caliber flask. Spouts are made of brass and can be reduced in length by filing to adjust for exact charge wanted.

Spouts also fit the MSM Tube Flasks..

Made in USA.

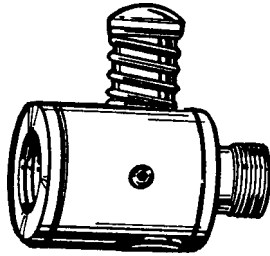


Flask Spouts

ORDER#	APPROX. WT. OF CHARGE	ORDER#	APPROX. WT. OF CHARGE
06018	15 grains	06025	60 grains
06019	20 grains	06135	70 grains
06020	25 grains	06026	75 grains
06021	30 grains	06136	80 grains
06022	35 grains	06027	90 grains
06023	40 grains	06028	100 grains
06024	50 grains	06029	110 grains



Powder Cut Off Valve



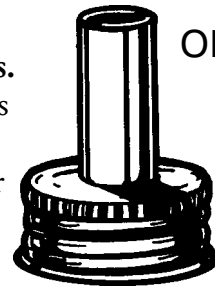
ORDER#
16712

Powder Cut Off Valve

An improved powder horn valve that works efficiently with 2F and 3F granulations of black powder as well as Pyrodex. These powders will flow freely thru this valve due to its improved design. Standard 3/8 x 24 threads on the base to fit all standard flasks or powder horn bushings. **Made in USA.**

Powder Can Spout

Pour Spout for Black Powder and Smokeless Powder Cans. Spout fits Gearhart-Owen Black Powder cans, DuPont Smokeless Powder cans, MEC Shotgun reloading bottles, etc. It can be used to directly fill your black powder measure, powder horn, or fill your smokeless powder measure hopper. Non-sparking brass spout.



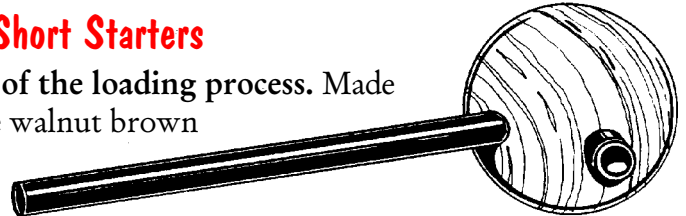
ORDER#
02426

Powder Can Spout

BULLET/BALL STARTERS

Ball Starters or Short Starters

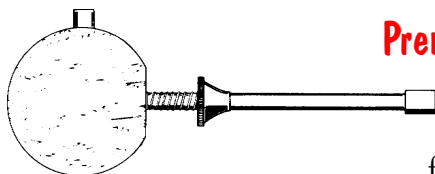
A short starter is an essential part of the loading process. Made with a hardwood ball and the same type walnut brown synthetic rod that we use to make our SUPER-ROD. They are nonabrasive and will withstand a lot of use. The seater and starter rods on the #19070 Short Starter are 3/8" in diameter and concave on the end - which centers them on the round ball or bullet. Fits .40 caliber and .45 caliber. The #19071 is smaller, only 5/16" in diameter for .32 thru .38 caliber. The #19594 is larger, 7/16" in diameter for .50 .54 and .58 caliber.



ORDER#	DESCRIPTION
19070	3/8" diameter for .40 Cal. and up
19071	5/16" diameter for .32 thru .38 Cal..
19594	7/16" diameter for .50, .54 and .58 Cal. (<i>Our best seller</i>)

Ball Starters or Short Starters

Premium Ball Starter



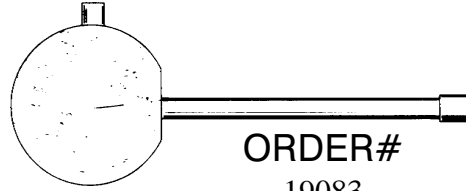
ORDER#
19681

Solid brass seater and starter shaft. Cupped concave for centering on ball or bullet. Large solid 2" hardwood ball. Solid tapered brass bore guide to keep shaft centered in bore. Fits all calibers from 40 thru 58. **Made in USA**

Premium Ball Starter

Deluxe Ball Starter

Solid brass shaft, finished hardwood ball with brass ball nub. Large 2" ball. For .40 caliber and larger. Concave seater and starter for centering on ball or bullet.
Made in USA.



ORDER#
19083

Deluxe Ball
Starter

Sabot Bullet Starter



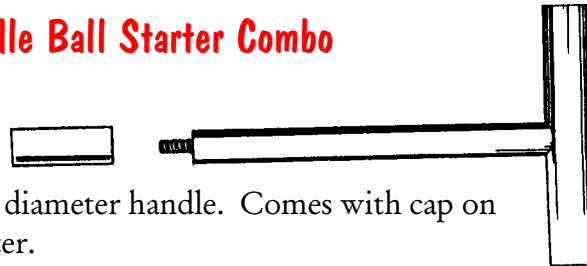
ORDER #
302413

Specially designed starter for sabot with bullets, maxi bullets, buffalo bullets, maxi-hunter bullets, great plains bullets, knight, and other conical bullets. Its unique tip design protects hollow points of soft lead from damage caused by standard round ball starters. Results are improved performance and easier loading. Made of black 7/16" diameter heavy durable nonabrasive modern synthetic polymer with a 1 3/4" solid wood ball handle. Made for a lifetime of service.

Sabot Bullet
Starter

Ramrod T-Handle Ball Starter Combo

Ramrod T-handle made of solid brass. Converts standard rod to a utility rod. Shaft extension is 3" long by 3/8" in diameter permanently fastened into the 1/2" diameter handle. Comes with cap on extension that is cupped for use as a ball starter. Fits all popular ramrods with 8 x 32 or 10 x 32 female threads.
Made in USA.



ORDER#

THREAD SIZE

318231

8 x 32

318232

10 x 32, fits T/C, CVA, Traditions, Lyman, etc.

Ramrod T-
Handle Ball
Starter
Combo

Mallet Ball Seater



ORDER# CALIBER

19582 .32 caliber

19583 .36 caliber

19584 .40 caliber

19585 .45 caliber

19586 .50 caliber

19587 .54 caliber

A ball starter preferred by target shooters on the rifle range for seating those extra snug fitting balls used when target shooting.

This ball seater is made primarily to be struck with a leather or plastic mallet or brass hammer to seat the ball.

Precision machined from high impact resistant plastic for longer life.

Features:

Concave ball seater for seating ball or bullet without deforming it.

Precision machined for each caliber for proper ball seating. Grooved handle for positive grip.

Mallet Ball
Seater



Hand Saver Ball Starter



HAND SAVER helps prevent hand injury and improves ball or bullet seating capabilities. A ball starter of modern concept and design. Start ball in barrel with the short concave starter using your hand, a leather or plastic mallet or a small brass hammer. Push ball farther down the barrel with the long part of Hand Saver. Then, using the ramrod, push the ball down the barrel onto the powder. Now use the main feature of Hand Saver, the handle recess. The handle recess aids in seating a round ball or bullet on powder charge. Simply place the recess in the handle over the end of the ramrod and push down firmly to seat the ball or bullet firmly on the powder charge. Precision machined of high impact resistant synthetic for durability. Small, convenient size to fit into shooting pouch or shooting box. Proven on the range by serious target shooters.

Features:

- Grooved handle for better grip.
- Recess in handle aids in seating ramrod on ball or bullet.
- Concave ball seater to fit the curvature of ball or bullet.
- Precision machined for proper seating of ball or bullet.

ORDER#	DESCRIPTION
19588	.32 and .36 caliber
19590	.40 and .45 caliber
19592	.50 and .54 caliber

E-Z Lube 1000+

E-Z Lube 1000+

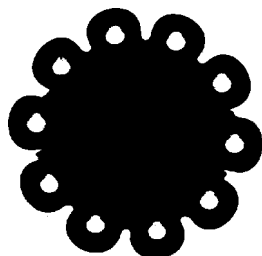
Shoot all day without cleaning.
Proven to lessen fouling and improves accuracy. Lube will safeguard metal against rusting and can be used to waterproof stocks. Hunters lube in a traditional reusable 2 oz. size tin. Convenient size for pocket or pouch. Made in USA.



ORDER# 12302

Silent Hunting Capper

Silent Hunting Capper

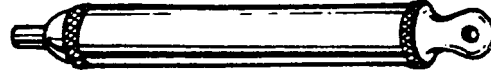


ORDER# 03129

Round capper, made of synthetic rubber. Its resiliency allows it to hold all sizes of percussion caps easily. Keep your caps organized or stored in one small easy to use capper. You'll know where they are when you need them. Caps fit snugly in the 1 3/4" small convenient circular capper. The superior round design allows much easier cap dispensing or installing on nipple. Attach to pouch with leather thong. Will not work with revolvers. Superior economy capper. Material not affected by any weather conditions.

Pan Primer/Nipple Charger

A precision made flintlock pan primer with unique features all its own. The large dispensing tube prevents clogging due to moisture or residue, this assures that the priming powder will freely flow into the pan. Will dispense about a 2 grain charge by simply pushing the spring loaded tube of the primer down on the center of the pan of a flintlock and raising primer. The slim 4" long by 1/2" diameter primer hangs easily from pouch or around one's neck by leather thong for easy access. Holds about 40 grains of priming powder. Ends are knurled for easy removal to fill. Also **doubles as a nipple charger for percussion rifles**. Due to the barrel size and special design this primer can also be used as a nipple charger. *Safe non-sparking all brass construction.*
Made in USA.



Pan Primer/
Nipple
Charger

ORDER#
16711

Rain Coat

Keeps Priming Powder Dry!



ORDER#
18001

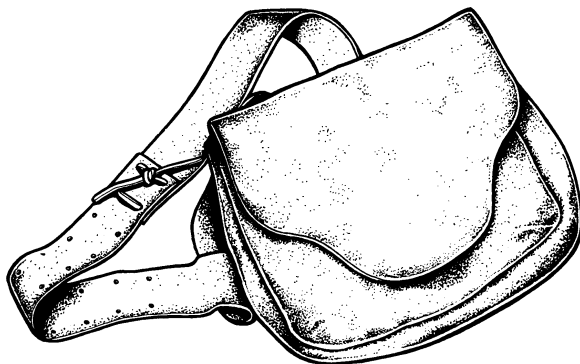
RAIN COAT is an additive for flintlock priming powder, to help keep it dry. It coats the powder with a thin moisture shield which prevents the powder from getting wet, thus preventing misfires caused by rain, condensation, dew or other moisture. It's a flintlock hunter's dream come true. Mix 6 parts priming powder with one part RAIN COAT. RAIN COAT also improves the flow properties of black powder into and from pan primers or pan priming valves. May also be applied directly to the pan, frizzen and flint to help prevent moisture collecting on them. *Also works great on arrow fletchings*

Rain Coat

LEATHER GOODS

Mountaineer Possible Bag

Large heavy leather possible bag that measures 9 1/2" x 9 1/2" with a wide gusset. Has a traditional beavertail style flap closure. Inside there is a large three sectioned pocket sewn to the back side of the pouch for accessories and tools. In addition, another 3" x 4" ball pocket is also sewn into the back of the pouch. The strap is a generous 1 3/4" wide for this large brown bag. A top quality possible bag with plenty of room for necessities and accessories.



Mountaineer
Possible Bag

ORDER#	DESCRIPTION
16528	Heavy Suede
16622	Top Grain



Bullet Bag with Wood Plug

Bullet Bag with Wood Plug



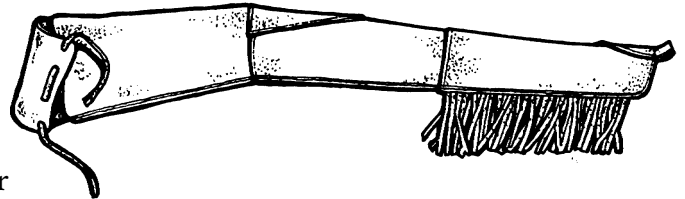
ORDER#
302039

An original style bullet bag made of traditional soft, supple deer skin with a wood nozzle to dispense round balls up to .54 caliber. Dispenses balls one at a time as you need them. About 6" long by 3" wide. Holds between 30 to 40 balls in the larger calibers. Ideally suited for hunting pouch or pocket.

Leather Gun Cases

Leather Gun Cases

Early authentically designed heavy suede leather gun cases. Fringed on fore-end. Loop on fore-end for hanging case. Heavy reinforcing in front end and along breech and hammer areas. Double stitched to hold up under heavy use. Made in 2 sizes that will fit nearly all guns. Has an offset flap closure with tie for foldover closing.



ORDER#

DESCRIPTION

07040

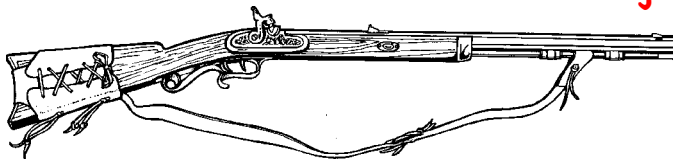
57" Long for Guns with up to 42" Barrels

07041

51" Long for Hawken Size Guns

Gun Boot Sling

Gun Boot Sling



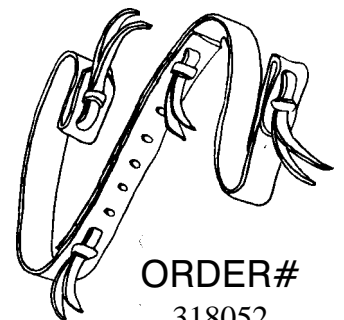
ORDER#
318053

Lace-on the butt Gun Boot Sling that will work on nearly all firearms but designed especially for muzzle loaders. With this type of sling the use of swivels is not necessary. Simply lace the soft boot over the butt stock securely and slide the tension loop over the end of the barrel and pull tight. Adjustable for length. Made of soft quiet split cowhide suede. Take off at the end of hunting season and you still have that original looking gun. Complete installation instructions included.

Gun Carry Strap

Gun Carry Strap

A two piece gun carrying strap that laces to the swivels on each end and laces together in the middle. Length adjusts from 30" to 46" in 1" increments by simply moving the easy to use laces in the middle of the strap. Made of heavy suede cowhide. Comes with complete installation instructions. Carry the weight of your gun on your shoulder instead of your arms.

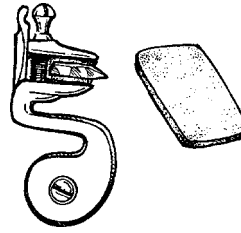


ORDER#
318052

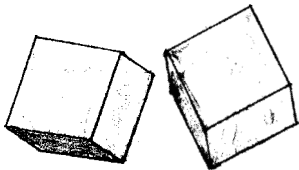
Flintlock Jaw Leather

Indispensable item needed for all flintlock rifles. Suede leather, cut approximately 1 5/16" x 13/16", used to secure the flint in the hammer. Size to fit most any lock. Packaged three to a bag.

ORDER #
06140



Flintlock Jaw
Leather



ORDER #
06126

Cut Agate Gunflint

Agate gunflints cut and precision milled to traditional standards with two sharp edges for twice the usage. Agates deliver a much stronger shower of sparks to the priming powder, and has a longer usable life than knapped flints. Each flint is milled 5/8" W x 7/8" L x 7/32" T to fit most standard locks.

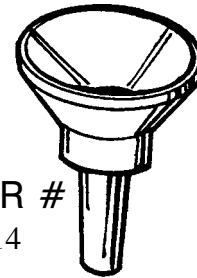
Cut Agate
Gunflint

Powder Funnel

Small brass funnel, designed to fill powder horns and powder flasks. Ideal size to fit in the hunting pouch, coat pocket, or just leave it in the shooting box.

Machined from solid brass for years of service. Pattern for this funnel was taken from an antique powder horn funnel. Size- 1" diameter by 1 1/4" high.

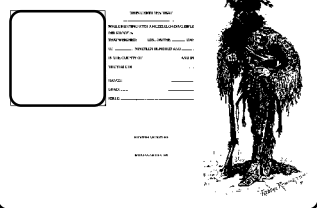
ORDER #
06114



Powder
Funnel

CERTIFICATES

I MADE MEAT



ORDER#
03034

I Made Meat Certificate

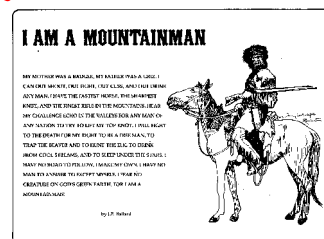
If you made meat this year or in past years with your smoke pole, let people know with this handsome certificate! Printed in black ink on heavy weight antique gold parchment type stock. Measures 9" x 12".

Looks impressive in a den or office. There is a 3 1/2" x 3 1/2" area provided for your full color photo of you and your trophy. Simply trim your photo to the above size and glue in place. A great gift or shoot prize.

I Made Meat
Certificate

I Am A Mountainman Certificate

The mountainmen were a special breed and so is today's modern counterpart. If this is your area of interest, then show your stuff by displaying this certificate on your wall! Beautifully reproduced in black on heavy weight antique gold parchment type stock. Large 9x12 size. We recommend this certificate be placed in a masculine frame of wood. A pilgrim will not appreciate the contents of this certificate! 'Keep yer nose to the wind and watch yer top knot.'



ORDER#
03035

I Am A
Mountainman
Certificate



SUPER-RODS

"The Ultimate Ramrod"

Lifetime Guarantee Against Breakage!

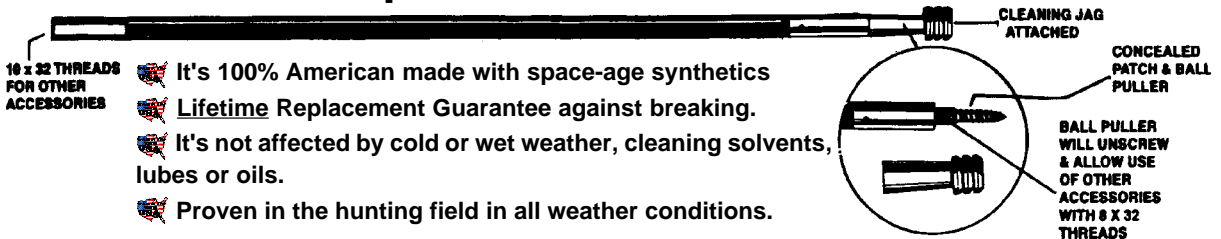


*Designed by
Muzzle Loaders for Muzzle
Loaders*



The All in 1 Replacement Ramrod

SAFE - WON'T BREAK - NOT ABRASIVE - Discover the safest, most reliable and versatile ramrod. Proven in international competition by the United States International Muzzleloading Shooting Team. It's not affected by cold or wet weather, gun cleaning solvents, lubes or oils. The solid rod is a walnut brown color which looks natural in any black powder gun. Super-Rod has a **LIFE-TIME REPLACEMENT GUARANTEE** against breakage. **100% AMERICAN MADE!**



"HUNTER" Super-Rod is a combination loading and cleaning replacement ramrod that fits and stays in the rifle while hunting or shooting. "Hunter" Super-Rod has a concave loading end with a grooved cleaning jag to hold patches. Concealed under the jag tip is an 8 x 32 threaded patch and ball puller. The other end of the "Hunter" rod has a 10 x 32 threaded tip installed for use of one of our HAND-EZE ramrod handles and other accessories. Length may vary + or - 1/8". Walnut brown color.



32" long, fits CVA Mountain Rifle, Traditions Hawken, Roughrider and Highlander, 23/64" diameter.

ORDER#	CALIBER
18953	.50 caliber
18954	.54 caliber

28 3/4" long, for T/C Hawken, Investarms Hawken, (Italian model) Charles Daly Hawken, Lyman Trade Rifle, and Green Mountain Long Range Hunter (LRH) Barrels. 3/8" diameter.

ORDER#	CALIBER
18895	.45 caliber
18812	.50 caliber
18896	.54 caliber

26 5/8" long, for T/C Renegade, T/C Big Boar. CVA Blazer, 3/8" diameter.

ORDER#	CALIBER
18955	.50 caliber
18956	.54 caliber
318118	.58 caliber

27 1/2" long, for CVA Hawken, St. Louis Hawken, Missouri Ranger, Frontier, Hawken Hunter. Traditions Hawken, Woodsman, Hunter, Frontier, Pioneer, Trophy, 23/64" diameter.

ORDER#	CALIBER
18957	.45 caliber
18958	.50 caliber
18959	.54 caliber
18935	.58 caliber

More Hunter Super-Rods

33" long, for Lyman Great Plains,
Green Mountain Drop-In Barrels for T/C
.45, .50, and .54 calibers, 3/8" diameter.

ORDER#	CALIBER
18960	.45 caliber
18961	.50 caliber
18962	.54 caliber

41 1/8" long, for Dixie Tennessee .50
caliber, 3/8" diameter.

ORDER#	CALIBER
18963	.50 caliber

31 1/2" long, for T/C Pennsylvania,
and 15/16" T/C round ball replacement
barrels, 3/8" diameter.

ORDER#	CALIBER
18987	.50 caliber
18988	.54 caliber

21 1/2" long, for T/C White Mountain
Carbine, and Lyman Deerstalker Carbine,
3/8" diameter.

ORDER#	CALIBER
318117	.45 caliber
318012	.50 caliber
318094	.54 caliber

24 7/8" long, for Lyman Deerstalker.
T/C New Englander with Rynite stock
and Gonc Arms rifles, 3/8" diameter.

ORDER#	CALIBER
318095	.50 caliber
318096	.54 caliber

23 3/4" long for Traditions Frontier
Carbine. CVA Hawken Hunter Carbine,
CVA Frontier Hunter Carbine, 23/64"
diameter.

ORDER#	CALIBER
318099	.45 caliber
318100	.50 caliber

32" long for Cheney Rifle Works
(CRW) Prairie and Plains Rifles, Mowery
Plains Rifles and Hatfield Mountain Rifle,
and CRW Elkhunter, 3/8" diameter.

ORDER#	CALIBER
318133	.45 caliber
318103	.50 caliber
318104	.54 caliber

27" long for Thompson/Center New
Englander Rifles, 3/8" diameter.

ORDER#	CALIBER
318109	.50 caliber
318110	.54 caliber

22 7/8" long, for Italian Investarms
Hawken Carbine, 3/8" diameter.

ORDER#	CALIBER
318114	.50 caliber
318116	.54 caliber

20 1/4" long for Traditions
Buckskinner Carbine, 23/64" diameter.

ORDER#	CALIBER
318123	.50 caliber

32 3/4" long for Traditions Kentucky
Rifles and CVA Kentucky Rifles, 23/64"
diameter.

ORDER#	CALIBER
318125	.45 caliber
318126	.50 caliber

38 1/2" long for Hatfield Squirrel
Rifles, 23/64" diameter.

ORDER#	CALIBER
318127	.45 caliber
318128	.50 caliber

24" long for the Modern Muzzle
Loading Knight Rifles. Fits MK-85, Black
Legend, Wolverine. 23/64" diameter.

ORDER#	CALIBER
318320	.50 caliber





More Hunter Super-Rods

23 3/8" long, for Traditions Deerhunter 23/64" diameter.

ORDER#	CALIBER
318297	.50 caliber
318302	.54 caliber

30" long for Cheney Rifle Works (CRW) Summit Rifles, 3/8" diameter.

ORDER#	CALIBER
318131	.50 caliber
318132	.54 caliber

20 3/4" long for T/C Scout, 3/8" diameter.

ORDER#	CALIBER
318135	.50 caliber
318136	.54 caliber

30 1/2" long for 1" diameter Thompson/Center drop in barrels by T/C, 3/8" diameter.

ORDER#	CALIBER
318137	.50 caliber
318138	.54 caliber

27 3/4" long for Mowrey Rocky Mountain Hunter and Squirrel Rifles, 3/8" diameter.

ORDER#	CALIBER
318177	.45 caliber
318175	.50 caliber
318176	.54 caliber

32" long for Mowrey 12 gauge shotgun, 3/8" diameter.

ORDER#	GAUGE
318179	12 gauge

28 1/8" for CVA 12 gauge shotgun, 23/64" diameter.

ORDER#	GAUGE
318105	12 gauge

29" long, for T/C 12 gauge New Englander shotgun, 3/8" diameter.

ORDER#	GAUGE
18964	12 gauge



The "Original", Modern Replacement Ramrod for Muzzleloaders Lifetime Guarantee Against Breaking!

FOR MOST BLACK POWDER GUNS . . . Replacement Super-Rod ramrods are made to the same sizes as the original equipment ramrods plus the added feature of brass tips pinned to each end and both tips are threaded. One end is threaded 10 x 32 like most original equipment rods. The other end is threaded 8 x 32. Threaded in this combination they will accept about all accessories. Replacement Super-Rods are available for nearly all black powder guns. Length may vary + or - 1/8".



ORDER#	DESCRIPTION
18074	32", CVA Mt. Rifle, Big Bore, Traditions Hawken, CRW Highlander and Roughrider, 23/64" diameter.

ORDER#	DESCRIPTION
18075	28 3/4", T/C Hawken. Investarms Hawken. Charles Daly Hawken. Lyman Trade Rifle, Green Mountain Long Range Hunter (LRH) Barrels, 3/8" diameter.



More Replacement Super-Rods

ORDER#	DESCRIPTION	ORDER#	DESCRIPTION
18076	28 1/8" , CVA Express Rifle, 23/64" diameter	18892	38 1/2" , CRW Mountaineer .36 Cal., and Hatfield 23/64" dia.
18077	26 5/8" , T/C Renegade and Big Boar, 3/8" diameter	18893	25 5/8" , Traditions Frontier Scout, CVA Bushwhacker, CVA Plainsman, 23/64" diameter
18078	27 1/2" , CVA Hawken, St. Louis Hawken, Missouri Ranger, Frontier, Hawken Hunter, Tradition Hawken, Woodsman, Hunter, Frontier, Pioneer, Trophy, 23/64" diameter	18894	31 1/2" , T/C Round Ball Replacement Barrel- 15/16only , T/C Pennsylvania Hunter, 3/8" diameter
18079	27 1/2" , T/C Seneca .36 and .45 caliber, 5/16" diameter	318050	22 7/8" , Italian Hawken Carbine, 3/8" dia.
18080	32 3/4" , CVA Kentucky. Traditions Kentucky and Shenandoah, 23/64" diameter	318112	24 7/8" , Lyman Deerstalker. Gonic Arms and T/C New Englander with Rynite Stock, 3/8" diameter
18081	33" , Lyman Great Plains. Green Mountain Drop-in Barrels for T/C .45, .50, .54, and .58 caliber, 3/8" diameter	318011	21 1/2" , T/C White Mountain Carbine, 3/8" diameter
18083	41 1/8" , Dixie Tennessee .50 Caliber, 3/8" diameter	318106	42" , McCoy .45cal. Rifle, 5/16" dia.
18084	41 1/8" , Dixie Tennessee .32 caliber Squirrel Rifle, 5/16" dia.	318111	27" , Thompson/Center New Englander Rifles, 3/8" diameter
18085	39 1/2" , CVA Pennsylvania, Traditions Pennsylvania 23/64" dia.	318119	20 3/4" , T/C Scout, 3/8" diameter
18087	24 1/2" , T/C Cherokee, 5/16" diameter	318124	20 1/4" , Traditions Buckskinner Carbine, 23/64" diameter
18089	28 1/2" , Green Mountain Drop In Barrels for T/C in .32, .36, .40 caliber, 5/16" diameter	318129	32" , Cheney Rifle Works (CRW) Plains and Prairie Rifles .40 thru .54 calibers, Elkhunter and Hatfield Mountain Rifles, 3/8" diameter
18093	23 3/4" , Traditions Frontier Carb., CVA Frontier Carb., CVA Frontier Hunter Carbine and CVA Hawken Hunter Carbine, 23/64" dia.	318160	21 1/2" , Lyman Deer Stalker Carbine, 3/8" diameter
		318178	27 3/4" , Mowrey Squirrel Rifle and Mowrey Rocky Mountain Hunter, 3/8" diameter
		318298	23 3/8" , Traditions Deerhunter 23/64" diameter

Replacement



The "Original",
Modern
Replacement
Ramrod for
Muzzleloaders

Lifetime
Guarantee Against
Breaking!



A safe dependable spare ramrod for loading and cleaning black powder guns, at home, on the range, or in the field. On one end is our IMPROVED brass jag tip, securely fastened by a heavy duty pin. The jag tip is longer in total length, has an extended tapered area and an improved cleaning jag. The longer tapered area lets the cleaning patch spread out and clean fouling or residue better on its way out of the bore. The new jag end grips the cleaning patch better, preventing lost patches and provides more cleaning patch area against the bore of the barrel. The jag tip is concave on the end to fit over the round ball. A super tip for Super-Rod. Beneath the removable tapered section is a combination patch and ball puller to remove lost patches or stuck balls. The end opposite the combination jag tip is left blank so they can be cut to a shorter length if desired.



The ORIGINAL
"ALL IN 1"
Ramrod for Muzzleloaders



Lifetime
Guarantee



ORDER#	SIZE	CAL.	ORDER#	SIZE	CAL.
18042	3/8" X 48"	.40	18058	3/8" X 36"	.40
18043	3/8" X 48"	.45	18059	3/8" X 36"	.45
18044	3/8" X 48"	.50	18060	3/8" X 36"	.50
18045	3/8" X 48"	.54	18061	3/8" X 36"	.54
18046	3/8" X 48"	.58	18062	3/8" X 36"	.58
18052	5/16" X 48"	.32	18068	5/16" X 36"	.32
18053	5/16" X 48"	.36	18069	5/16" X 36"	.36
18054	5/16" X 48"	.40	18070	5/16" X 36"	.40

Heavy Duty 7/16" Range Rods

36" Heavy duty Super-Rod ramrod, 7/16" diameter. Combination loading and cleaning ramrod. The larger size makes this rod stiffer than the others. Available in .50 and .54 calibers only. Threaded tip on the other end is 10 x 32.

ORDER#	SIZE	CAL.
18091	7/16" X 36"	.50
18092	7/16" X 36"	.54

Heavy Duty
7/16" Range
Rods

Range Rods with Handle



A combination loading and cleaning Super-Rod ramrod with a handle. Made in the two most popular lengths. It has the same features as our regular combination loading and cleaning Super-Rod ramrods. Handle is made of top quality synthetic, like the rods. The 3/4" x 3" handle is grooved to give a superior grip for loading and cleaning.

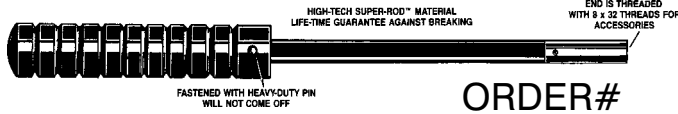
ORDER#	SIZE	CAL.	ORDER#	SIZE	CAL.
18967	3/8" X 48"	.40	18975	3/8" X 36"	.54
18968	3/8" X 48"	.45	18976	3/8" X 36"	.58
18969	3/8" X 48"	.50	18977	5/16" X 48"	.32
18970	3/8" X 48"	.54	18978	5/16" X 48"	.36
18971	3/8" X 48"	.58	18979	5/16" X 48"	.40
18972	3/8" X 36"	.40	18980	5/16" X 36"	.32
18973	3/8" X 36"	.45	18981	5/16" X 36"	.36
18974	3/8" X 36"	.50	18982	5/16" X 36"	.40

RANGE ROD
SUPER-ROD
With Handle

Pistol Super-Rod

With Handle

Premium quality pistol cleaning rod for all types of handguns, either black powder or cartridge. A versatile pistol rod for all around use, for loading and cleaning of muzzleloading pistols and revolvers or for cleaning cartridge guns, too. Made of the same high-tech material as our rifle and shotgun Super-Rods. The 3" x 3/4" handle is made of the same material as the rod and it is pinned to the rod with a heavy duty pin. On the other end of the rod is a brass tip, threaded 8 x 32, fastened to the rod with a heavy duty pin. Length of the cleaning rod is 10" plus the handle. Jags or other accessories must be ordered separate. This product has a Life-Time Guarantee against breaking.



ORDER#
18985

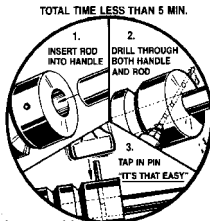
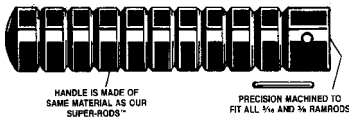


High-Tech Super-Rod
Material
Lifetime Guarantee
Against Breaking

Pistol
Super-Rod
With Handle

Ramrod Handle Kit

Handle your spare ramrod with ease using our



ORDER# RAMROD SIZE
18983 Fits 5/16" Ramrods
18984 Fits 3/8" Ramrods

easy to install Ramrod Handle Kit. The handle is precision machined to fit standard 5/16" or 3/8" ramrods. Its grooves give you a more positive grip when using. Installs easily on any synthetic material or wood. Made of the same high-tech materials as our Super-Rods, and permanently attaches to your ramrod. Kit comes complete with a predrilled ready to install handle, attaching pin and instructions. All you need for installation is a drill and a 1/16" drill bit. It's quick and easy!

Ramrod
Handle Kit

Range Rod, Super-Rod Jag System



Hunter and Range Rod Combination Base

Brass base is machined from solid stock and contains a steel screw for pulling bullets, balls, or patches lost in the bore. The steel screw can be unscrewed from the base and a bore brush, mop, etc., can be installed in its place. Steel screw has 8 x 32 threads. The tapered center section is screwed onto the base over the steel screw puller, concealing it. Select the proper caliber long jag and screw onto the threaded end of the center section.



ORDER# SIZE
18114 5/16"
18118 3/8"
18194 7/16"

Hunter and
Range Rod
Combination
Base



Range Rod Combination Long Center Section



The longer tapered area of the long center section allows the cleaning patch to spread out, and clean residue or fouling better on its way out of the bore.

ORDER#	SIZE	FITS	BASE NO.
18702	5/16"	18114	
18119	3/8"	18118	

Range Rod Long Jag Cleaning Tip for Long Center Section Only



FITS CENTER

ORDER#	CAL.	SIZE	NO.
18115	.32	5/16"	18702
18116	.36	5/16"	18702
18117	.40	5/16"	18702
18120	.40	3/8"	18119
18121	.45	3/8"	18119
18122	.50	3/8"	18119
18123	.54	3/8"	18119
18124	.58	3/8"	18119

Range Rod Combination Long Center Section

Range Rod Long Jag Cleaning Tip for Long Center Section Only

Combination Jag for Hunter Super-Rods

Combination Jag for Hunter Super-Rods



ORDER#	DESCRIPTION
18195	.45 caliber, for 3/8" base size
18196	.50 caliber, for 3/8" base size
18198	.54 caliber, for 3/8" base size
18200	.58 caliber, for 3/8" base size

Patch or Ball Puller Screw

Patch or Ball Puller Screw

Blued steel 8 x 32 screw that is used in the Combination Base. 10 x 32 screw is the same one used to make the bullet pullers #18224 & #18230.



ORDER#	THREAD SIZE
18234	8 x 32
18235	10 x 32

Super-Rod System Adapter

Super-Rod System Adapter

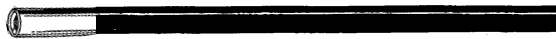


ORDER#
18703

An adapter designed to use the Range Rod Long Center Section and Long Jag with your stock ramrod. The 10 x 32 male threads screw into your ramrod. Long center section fits onto the other male threads giving you an extension on your rod.

PLASTIC UTILITY RAMRODS

Plastic Utility Ramrods With Tip



Plastic loading and cleaning rods with a brass tip pinned to one end. Rods are 45+ " long and may be cut to any length. Tips are available in 8 x 32 or 10 x 32 thread. See right for dia. and color.

ORDER #	DIA.	THREAD	COLOR
18025	5/16"	8 x 32	Black
18027	3/8"	8 x 32	Black
18029	7/16"	8 x 32	Black
18031	5/16"	10 x 32	Brown
18032	3/8"	10 x 32	Brown
318140	5/16"	10 x 32	Black
318141	3/8"	10 x 32	Black
318142	7/16"	10 x 32	Black

Plastic Utility Ramrods With Tip

Blank Plastic Utility Ramrods

Blank Plastic loading and cleaning rods. Rods are 48" long and may be cut to any length. Rods are black in color and may be turned down to fit any tips.

ORDER #	DIA.
18036	5/16"
18038	3/8"
18040	7/16"



Blank Plastic
Utility
Ramrods

STAINLESS STEEL RAMRODS

Stainless Steel Ramrod



Standard gun maintenance rod. Constructed of solid .250" diameter one piece rigid stainless steel for strength and durability. Grooved handle for superior gripping. Handle and bore protector/rod guide are precision machined from high impact resistant plastic. Both are impervious to all normal oils, solvents, water, etc. Bore protector/rod guide centers the rod in the barrel and protects it from excessive wear. For use in all types of firearms; cartridge guns and muzzle loaders. Tip is threaded 8 x 32 to accept accessories.

Available in four standard lengths.

ORDER#	DESCRIPTION
18110	12" Pistol Rod.
18111	30" Rifle Rod.

Jag not furnished with these rods.

ORDER#	DESCRIPTION
18112	36" Rifle Rod.
18113	44" Rifle Rod.

See below for button jags.

Stainless
Steel Ramrod

Button Jags

ORDER #	CALIBER	THREAD SIZE	Designed especially for small diameter ramrods, like our Stainless Steel Ramrods
18132	.45	8/32"	
18133	.50	8/32"	
18134	.54	8/32"	



Button Jags

Big Bore Stainless Steel Ramrod

Superior gun maintenance rod. Constructed of rigid high tensile 5/16" solid stainless steel. High impact resistant plastic handle with grooves to give superior grip. Rod is of one piece construction for more strength and durability. Handle and bore protector/rod guide are precision machined from high impact resistant plastic. Both are impervious to all normal oils, solvents, water, etc. Bore protector/rod guide centers the rod in the barrel and protects it from wear. For use in all types of firearms that need a hefty rod, whether it be a cartridge gun or muzzle loader. Tip end is threaded 10 x 32 to accept accessories. Available in three standard lengths.



Big Bore
Stainless
Steel Ramrod

ORDER#	DESCRIPTION	Button Jags Designed especially for small diameter ramrods, like our Stainless Steel Ramrods.	ORDER #	CAL..	THREAD SIZE
318035	30" long by 5/16" dia.		18143	.45	10/32"
318036	36" long by 5/16" dia.		18144	.50	10/32"
318037	44" long by 5/16" dia.		18145	.54	10/32"

See right for button jags.



Button Jags



Stainless Steel Shotgun Ramrod

Stainless Steel Shotgun Ramrod

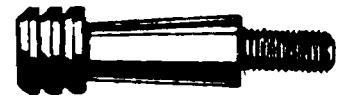


ORDER#	LENGTH
18923	36"
18924	42"

Stainless steel shotgun ramrod, 3/8" in diameter. Comes with heavy duty handle and muzzle protector/rod guide. A 12 gauge plastic loading button is included. Threads 5/16 x 27 for standard shotgun accessories. Two lengths available.

LOADING & CLEANING JAGS

Ramrod Jags with Steel Studs



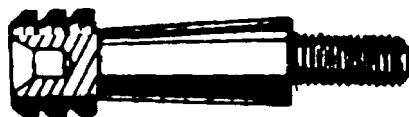
Ramrod Jags with Steel Studs

ORDER#	CAL.	RAMROD SIZE	THREAD SIZE
18930	.40 (NEW'96)	5/16"	10/32"
18931	.45	3/8"	10/32"
18932	.50	3/8"	10/32"
18933	.54	3/8"	10/32"
18169	.45	3/8"	8/32"
18170	.50	3/8"	8/32"
18172	.54	3/8"	8/32"

Jags are made from solid brass with steel threaded shanks and designed for positive gripping of the patch. These jags also feature a spherically cupped end allowing the user to load without removing the jag from the ramrod. Available in both 8/32" and 10/32" **Made in USA.**

Sabot Loading And Cleaning Jags

Sabot Loading And Cleaning Jags



ORDER #	CAL.
18940	.50
18941	.54

A specially designed adaptor for loading and cleaning of rifles that shoot sabots with bullets, maxi bullets, Buffalo bullets, maxi-hunter, Great Plains Bullets, Knight, White, or other conical bullets. Its unique tip design protects the hollow points of soft lead from damage caused by standard loading tips. Results are improved performance and easier loading. Jags are made from solid brass with steel threaded shanks and designed for positive gripping of the patch. Available in 10/32 thread size.

Button Jags

Button Jags

Designed especially for small diameter ramrods, like our Stainless Steel Ramrods, where a tapered shank is not necessary for patch clearance. Button Jags are made with the same design as our popular Ramrod Jags above. Jags are available with steel 8/32" and 10/32" threaded studs. The 8/32" will fit Stainless Steel rod # 18110-113 and 10/32" will fit rods # 318035-037. See at right for caliber and thread size.



ORDER #	CAL.	THREAD SIZE
18132	.45	8/32"
18133	.50	8/32"
18134	.54	8/32"
18143	.45	10/32"
18144	.50	10/32"
18145	.54	10/32"

Hunter Shotgun Jags

These Shotgun jags will quickly turn our Hunter and Range Rods into loading and cleaning rods for your shotgun. Jags are made to fit our # 18118 Combo Tip or the # 18703 Super-Rod System Adapter.

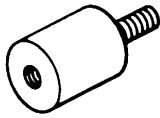
ORDER #	GAUGE
18202	20 Ga.
18966	12 Ga.



Hunter
Shotgun Jags

RAMROD ACCESSORY ADAPTERS

Shotgun Accessory Adapters



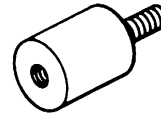
ORDER #	DESCRIPTION
18236	8 x 32 male thread
18237	10 x 32 male thread

With this adapter the shooter is able to use the large bore cleaning accessories with 5/16" x 27 thread in standard 8 x 32 threaded rods. A model is also available with 10 x 32 threads for use with T/C, Knight, and Traditions rods.

Shotgun
Accessory
Adapters

Conversion Adapters

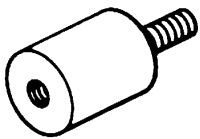
These adapters allow the shooter to interchange the various 8 x 32 and 10 x 32 thread cleaning and loading accessories with rods of one thread size to the other. The adapters are made from brass with steel threads. Body size is 3/8" diameter.



ORDER #	DESCRIPTION
18238	8 x 32 male to 10 x 32 female
18239	10 x 32 male to 8 x 32 female

Conversion
Adapters

Shotgun Rod Adapter



ORDER #	THREAD SIZE
18925	8 x 32 female thread
18926	10 x 32 female thread

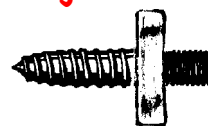
Conversion adapter for a standard shotgun cleaning rod with 5/16 x 27 threads to accept 8 x 32 or 10 x 32 thread size accessories.

Shotgun Rod
Adapter

BULLET PULLERS

Bullet Puller with Centering Bushing

Blued steel screw with a solid brass bushing used to insure that the puller is directly centered on the nose of the bullet so as not to damage the rifling of the bore. Available in 8 x 32 or 10 x 32 thread sizes. *Made to fit all Super-Rods*, as well as all T/C guns and similar rifles with 8 x 32 or 10 x 32 threads.



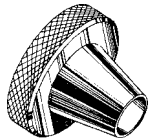
ORDER #	CALIBER	THREAD SIZE
18224	.50 / .54	10 x 32
18230	.50 / .54	8 x 32

Bullet Puller
with Centering
Bushing



RAMROD BORE GUIDES

RamRod Bore Guides



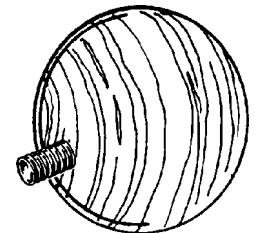
RamRod Bore Guides

Never again will you have to worry about ruining the crown of the barrel, with this solid brass ramrod bore guide. By centering the ramrod in the bore, it prevents the rod from rubbing against the barrel and wearing down the rifling. The guides tapered design allows them to work in all calibers.

ORDER #	DESCR.
18699	1/4" rod dia.
18700	5/16" rod dia.
18701	3/8" rod dia.

Hand-Eze Ramrod Handle for Muzzle Loaders

Hand-Eze Ramrod Handle for Muzzle Loaders



A handle for ramrods to help ease the loading and cleaning of black powder guns. You get a better grip on your rod to seat the ball or while cleaning. Fits easily into hunting bag or pouch. The 18240 fits ramrod tips with 8 x 32 threads. The 18241 fits ramrod tips with 10 x 32 threads.

ORDER#	DESCR.
18240	8 x 32
18241	10 x 32

BORE BRUSHES

Black Powder Bore Brushes

Black Powder Bore Brushes

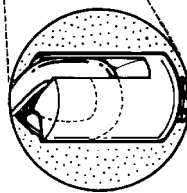
Sizes to Fit All Popular Calibers and Gauges... .32 to .75 Calibers.

Thread Sizes to Fit All Popular Ramrods & Cleaning Rods. No Adapters Needed.



Safe Fine Phosphorus Bronze Wire Brush For Better Cleaning and Long Life. Reverses Easily.

Heavy Brass Wire Body Made Thru the Base Coupling Prevents Losing It In The Bore



Bore cleaning brushes designed especially for muzzle loading firearms. The brass bases are threaded in the two standard sizes of 8x32 and 10x32 which will fit nearly all standard ramrods and cleaning rods without using an adapter. The solid bases are drilled, then the brass wire stem is inserted thru the base and assembled with the wire bristles. This prevents the brush from pulling off the base and becoming lost in the barrel. The fine phosphorus bronze wire bristles reverse easily in the bore. They set into the rifling grooves better giving the bore a thorough cleaning. They may also be used in cartridge guns. Top quality brushes for all bore cleaning.

ORDER#	CALIBER	THREAD SIZE
02773	.32	8x32
02774	.36	8x32
02775	.40	8x32
02776	.45	8x32
02777	.50	8x32
02778	.54	8x32
02779	.58	8x32
02797	.62(20 ga.)	8x32
02798	.69(12 ga.)	8x32
02799	.75(12ga.)	8x32
02780	.32	10x32
02781	.36	10x32
02782	.40	10x32
02783	.45	10x32
02784	.50	10x32
02785	.54	10x32
02786	.58	10x32
02800	.62(20 ga.)	10x32
02801	.69(12 ga.)	10x32
02802	.75(10 ga.)	10x32

Black Powder Cotton Bore Swabs

ORDER#	CALIBER	THREAD SIZE
02982	.32	8x32
02983	.36	8x32
02984	.40	8x32
02985	.45	8x32
02986	.50	8x32
02987	.54	8x32
02988	.58	8x32
02989	.62(20 ga.)	8x32
02990	.69(12 ga.)	8x32
02991	.75(10 ga.)	8x32
02992	.32	10x32
02993	.36	10x32
02994	.40	10x32
02995	.45	10x32
02996	.50	10x32
02997	.54	10x32
02998	.58	10x32
02999	.62(20 ga.)	10x32
302000	.69(12 ga.)	10x32
302001	.75(10 ga.)	10x32

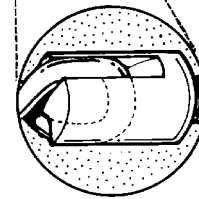
Sizes to Fit All Popular Calibers and Gauges... .32 to .75 Calibers.

Thread Sizes to Fit All Popular Ramrods & Cleaning Rods. No Adapters Needed.

Thread Sizes 8x32 & 10x32



Heavy Brass Wire Body Made Thru the Base Coupling Prevents Losing It In The Bore



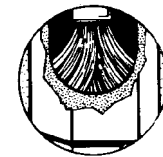
Bore cleaning swabs designed especially for muzzle loading firearms. The brass bases are threaded in the two standard sizes of 8x32 and 10x32 which will fit nearly all standard ramrods and cleaning rods without using an adapter. The solid bases are drilled, then the brass wire stem is inserted thru the base and assembled. This prevents the swab from pulling off the base and becoming lost in the barrel. They may also be used in cartridge guns. Top quality swabs for all bore cleaning. Made of washable natural cotton. Can be used over and over again. Use swabs instead of cleaning patches. Also use one for oiling the bore.

Black Powder Cotton Bore Swabs



Breech Brush

"Better than a bottom scraper." A ramrod accessory used to clean the fouling on the breech plug of muzzle loaders. The long phosphorus bronze stiff wire bristles will spread out when rotated and clean all the styles of breech plugs. Works in nearly all calibers from .32 up. Comes in the two standard thread sizes to fit nearly all ramrods and black powder cleaning rods.



Breech Brush

Utility, Lock & Pan Brush

A heavy duty general purpose utility cleaning brush. The phosphorus bronze wire bristles won't harm the metal and are non-sparking. Excellent for cleaning those hard to reach areas of locks, frizzens, pans, hammers, around nipples and flash cups, barrel around lock, etc.



ORDER#
02794

Utility, Lock & Pan Brush

PATCH WORMS

Heavy Duty Patch Worm

ORDER#	SIZE
18827	8 x 32
18828	10 x 32

A heavy duty patch worm made to hold up under heavy use. Solid brass base with heavy duty spring steel worm. This is one of those necessary accessories needed to retrieve a lost cleaning patch when you lose one in the bore. One of these tools is about the only way you have of getting that patch out.

Heavy Duty Patch Worm



Corkscrew Patch Worm

Corkscrew Patch Worm

The ultimate tool to retrieve those lost patches in the bore when cleaning. Heavy metal corkscrew permanently fastened to brass base. Two thread sizes available to fit most female threaded rod tips. Will work on rifles .32 caliber and larger. Excellent for pulling shotgun wads too. Simply screw or thread it into the card or fiber wad and pull it out.



ORDER#	SIZE
18210	8 x 32 thread
18211	10 x 32 thread

Muzzleloader E-Z Clean

Muzzleloader E-Z Clean



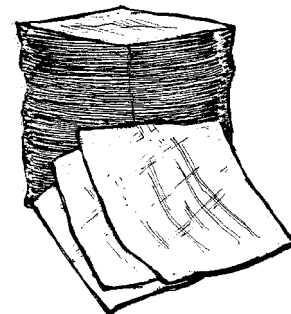
Black Powder Solvent and Cleaner, E-Z Clean is a specially formulated premium solvent and cleaner for muzzle loading guns. It immediately dissolves all black powder residue. A very strong solvent/cleaner, yet it's mild to use because it has no harsh additives or detergents. Contains rust inhibitors to protect the barrel and metal parts. Does not leave an oily feeling on your hands or parts when used. Use as a solvent to clean residue from the bore between shots or for complete cleanup after shooting. Comes in a convenient size for pouch or shooting box. The four ounce bottle has a convenient dispensing cap with positive shut-off. Due to its superior quality only a small amount is needed.

ORDER# 18989

Premium Cleaning Patches

Premium Cleaning Patches

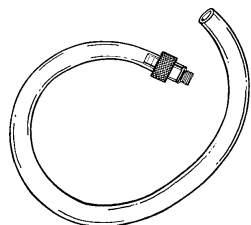
ORDER #	GAL.	SIZE	QUANTITY
03237	.36-.45	2" sq.	100
03238	.36-.45	2" sq.	1000
03239	.50-.75	2 1/2" sq.	100
03240	.50-.75	2 1/2" sq.	1000
03205	.50-.75	2 1/2" rd	10,000
03312	.50-.75	3" rd	10,000



Premium cleaning patches of soft white 100 % natural cotton flannel. These are the better quality cleaning patches with a double nap or the soft flannel on both sides for better absorbency that will give you better cleaning of the bore.

Cleaning Tube Assembly

Cleaning Tube Assembly



ORDER#	SIZE	FITS
03123	1/4x28	Standard Rifles
03124	5/16x24	Muskets
03125	6-1 mm	CVA, Traditions
03209	6-.75 mm	Italian, Cabelas

A fast and easy way to clean muzzle loading guns without taking the barrel out of the stock. The out and in motion of the ramrod siphons the cleaning liquid through the barrel to clean it. Assembly body is made of brass with an "o" ring for positive water seal. Simply remove the nipple and install the cleaning assembly with the 15" tube attached. Large hole for easier cleaning.

REPLACEMENT NIPPLES



SPITFIRE - The Magnum Nipple for black powder muzzle loading guns.

SPITFIRE is a revolutionary new design and concept for percussion nipples. We took the best features of two top quality products and combined them into one for a superior product.

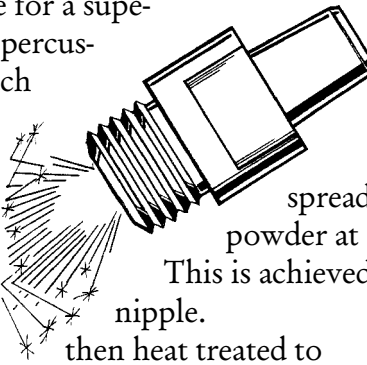
Combined were the best features of a standard percussion nipple and the best features of the coned or recessed touch hole liner used in flintlock guns. By doing this we are able to give you the best of two ignition systems.

SPITFIRE will give improved powder ignition with a wide of sparks to the powder chamber. More sparks reaching the the base of the nipple means quicker ignition of powder. by the design concept of the coned or recessed base of the Precision made of stainless steel to exact specifications and harden it to make it last longer.

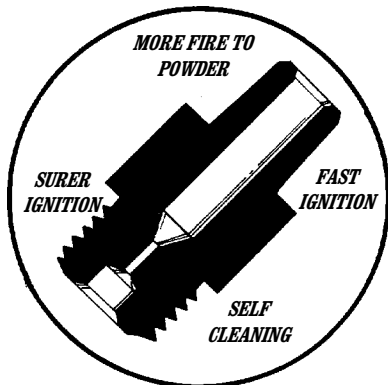
Cap detonation is easier and more reliable as a result of the sharp anvil shape to the top of the SPITFIRE. Both inside and outside of the top is chamfered or beveled to form the improved firing anvil.

Works well with all No. 11 percussion caps.

The small fire channel is 0.031" in diameter. This small hole along with the rest of the designed features, helps prevent excess gas from escaping and still allows sure fire ignition. All this adds up to a more dependable and faster ignition. Whether you're hunting or shooting on the firing range, a dependable quality product is what you count on.



- *Stainless Steel
- *Heat Treated to Last Longer
- *Standard size for #11 Caps
- *Anvil Cap Seat for Easier Cap Detonation



PART #	SIZE	DESCRIPTION
14126	.250 x 28	Standard size that fits nearly all rifles and shotguns.
14127	6 x 1 mm	Metric size that fits CVA and Traditions, Inc. guns.
14128	6 x .75mm	Metric size fits European made rifles by Lyman and Italian Hawken rifles.
14134	12 x 28	T/C Cherokee, Seneca & Scout
14135	.255 x 28	Oversize
14136	.260 x 28	Oversize
14137	.265 x 28	Oversize
14138	.270 x 28	Oversize
14139	.275 x 28	Oversize
14140	5/16 x 24	Musket



Replacement Nipples



Traditional nipple design made of both steel and stainless steel for longer life. Nipples are made to fit standard no. 11 percussion caps

Rifle/Pistol Nipples

ORDER#	SIZE	MATERIAL	ORDER#	SIZE	MATERIAL
14001	.250 x 28	Steel (standard size)	14016	.250 x 28	Stainless(Standard size)
14002	.255 x 28	Steel	14152	6 x 1mm	Stainless(CVA, Trad.)
14003	.260 x 28	Steel	14162	.255 x 28	Stainless
14004	.265 x 28	Steel	14164	.260 x 28	Stainless
14005	.270 x 28	Steel	14166	.265 x 28	Stainless
14006	.275 x 28	Steel	14168	.270 x 28	Stainless
14007	.285 x 28	Steel	14170	.275 x 28	Stainless
14008	.245 x 32	Steel	14172	.285 x 28	Stainless
14175	6 x 1mm	Steel (CVA ,Trad.)	<i>All steel nipples have a blued finish, and all stainless are bright polished.</i>		
14176	6 x .75mm	Steel (Lyman, Cabelas)			
14183	7 x 1mm	Steel			

Revolver Nipples

Revolver Nipples

ORDER #	DESCRIPTION
14009	.230 x 34 steel
14145	.225 x 32 steel
14146	.215 x 28 (12 x 28) steel
14179	.245 x 28 steel
14180	.225 x 32 stainless steel



Revolver Nipples are made to fit most all original and replica revolvers. Made from traditional steel with a blued finish.

Musket Nipples

Musket Nipples



Musket Nipples are made to fit most original and replica muskets. Musket Nipples have the traditional four square sides to fit the standard musket nipple wrench for easy installation and removal.

ORDER #	DESCRIPTION	ORDER #	DESCRIPTION
14010	.315 x 24 steel for Musket caps	14011	.315 x 24 steel for No. 11 caps
14013	.308 x 18 steel for Musket caps	14151	.310 x 24 steel for No. 11 caps
14153	.310 x 24 steel for Musket caps	14155	.312 x 18 steel for No. 11 caps
14157	.312 x 18 steel for Musket caps	<i>Made from traditional steel with a blued finish.</i>	
14159	.315 x 24 steel for Musket caps		
14185	.250 x 28 steel for Musket caps		

Flash Cups

Flash Cups

A must for a percussion rifle or pistol with a drum and nipple.

Helps protect the stock, barrel, lock, and shooter from cap fragments and powder burns.

Made of sheet brass, size- 7/8" diameter by 1/4" deep.



ORDER #
06002

NIPPLE WRENCHES

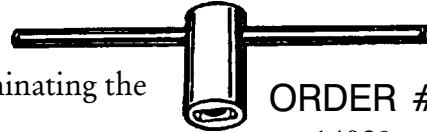
Deluxe Rifle Nipple Wrench

Short Sliding T-Handle

Short, top quality nipple wrench with a sliding T-handle. Handle is knurled on the ends to keep it in the wrench. The wrench end is solid with a hole to insert over the nipple which makes for a much stronger wrench.

Short wrench body fits easily over nipple, between hammer and drum or breech location of nipple, thus eliminating the need to remove the lock on most guns.

Sliding T-handle provides appropriate leverage to supply the extra strength sometimes needed to install or remove a nipple. Fits standard size rifle nipples. *Our most popular wrench.*

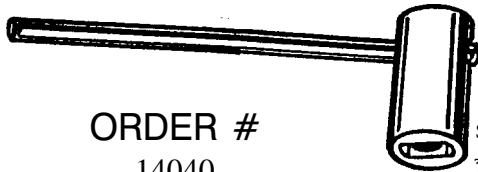


ORDER #
14039

Deluxe Rifle
Nipple Wrench
Sliding
T-Handle

Deluxe Mid-Size Nipple Wrench

Short Sliding T-Handle



ORDER #
14040

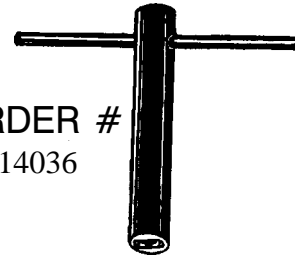
Midsized Nipple Wrench is made the same as the short rifle wrench # 14039, except it is designed to fit the nipples of Traditions, Inc. rifles and pistols, CVA rifles and pistols, and older T/C Seneca, Cherokee Rifles, and Patriot Pistol which are a little smaller in body size.

Deluxe Mid-
Size Nipple
Wrench Sliding
T-Handle

Deluxe Rifle Nipple Wrench

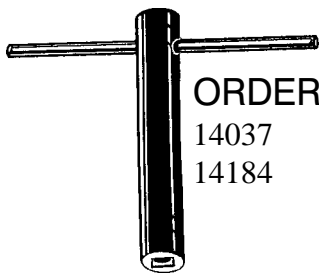
Top quality rifle nipple wrench. The wrench end is solid with hole to insert over nipple. It is a much stronger wrench than most conventional wrenches. Body of wrench is 2 1/2" long with a solid T-handle

ORDER #
14036



Deluxe Rifle
Nipple
Wrench

Musket Nipple Wrench



ORDER #	STYLE
14037	Traditional Square
14184	Late Style Oval

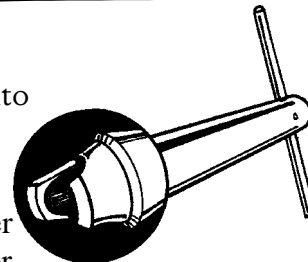
Top quality musket nipple wrench for musket style nipples. It has a solid T-handle. Body is 2 1/2" long. Part # 14037 fits traditional square shouldered nipples and part # 14184 fits late style oval shouldered nipples.

Musket
Nipple
Wrench

Revolver Nipple Wrench

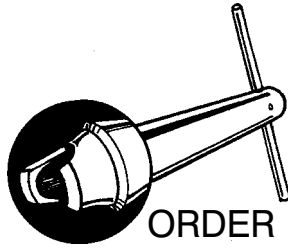
Top quality standard revolver nipple wrenches made to fit into the small recesses of a revolver cylinder. Large size fits full size or standard size revolvers. Small sizes fits Baby Dragoons, Wells Fargo, and other similar size models.

ORDER #	STYLE
14035	Small Revolver
14038	Large Revolver



Revolver
Nipple
Wrench

**Ruger Nipple
 Wrench**



ORDER #
 14113

Ruger Nipple Wrench

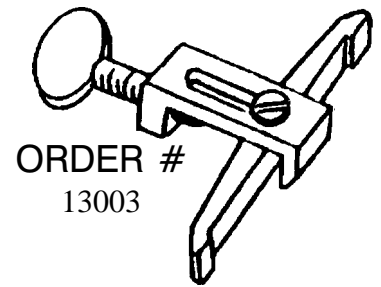
Ideally suited to fit the hex shaped heads on all Ruger Old Army revolvers. Machined from carbon steel and heat treated for strength and durability. Blackened like our standard nipple wrenches for a beautiful finish.

GUNSMITH TOOLS

Mainspring Vice

**Mainspring
 Vice**

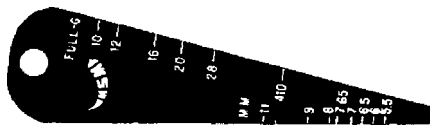
A Mainspring Vice is almost a necessity to install and remove mainsprings from locks easily and properly. Using one of these tools helps prevent the breakage of springs or having one fly across the room after slipping out of the pliers. It can be used on most flint and percussion locks with v-type mainsprings. Jaws are reversible for right or left handed locks.



ORDER #
 13003

Bore Gauge

Bore Gauge

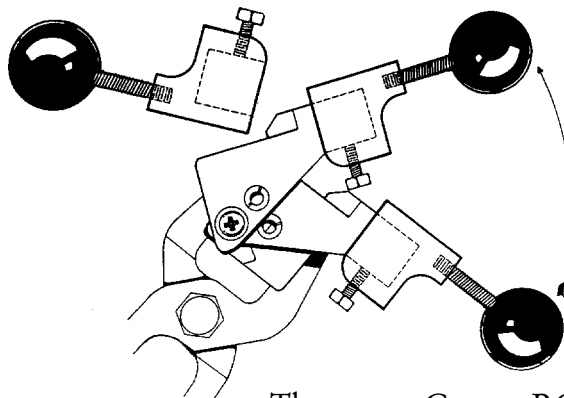


ORDER#
 302107

A bore gauge to measure the bore diameter of most sporting firearms from 15 caliber to 10 gauge. Takes the guesswork out of checking the bore size. Made of bore-safe brass. Graduated in thousandths from .015" to .800" and in gauges from .410 to 10 gauge and in millimeters from 5.5 to 11 mm. A handy item for pocket, shooting box, gunsmithing bench, etc. Punched for key ring, chain or thong.

E-Z Mold Handle

**E-Z Mold
 Handle**



ORDER #
 13189

Thompson Center, RCBS, etc. Works with iron melting pots and dippers and electric melting pots.

Proven in years of use by the manufacturers who finally decided to share their secret.

E-Z Mold Handle Makes it easier to cut off the sprue when molding bullets or round balls. E-Z Mold Handle is made to fit on the sprue cutter of bullet and round ball molds.

Faster molding is achieved with the elimination of wasted motions. You don't have to use a wooden mallet on the sprue cutter.

Fits nearly all popular single and/or double cavity molds with 5/8" or smaller sprue cutters.

They've been used on molds by Lyman, Lee,

Brass Nipple or Touch Hole Pick

The ideal tool for clearing a plugged nipple or touch hole liner.



Crafted from solid brass with a sharp stainless steel needle pick. A brass case encompasses the pick for safety and is knurled for a surer grip. Pick is 2 1/4" long and is light and easy to carry in a hunting pouch or shooting box.

ORDER #
20630

Brass Nipple
or Touch Hole
Pick

Nipple or Touch Hole Pick



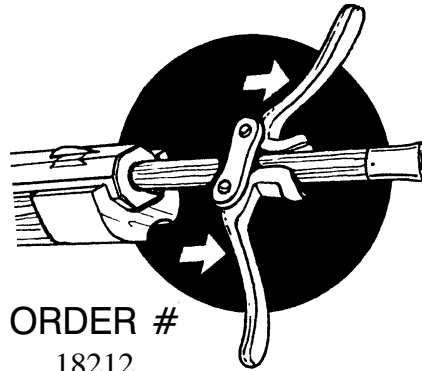
ORDER #
20629

Nipple or touch hole pick body is made of solid 5/16" hex shaped aluminum about 1 1/4" long. Pick wire is made with standard spring wire about 1 3/8" long by .035" diameter. Total length of pick is about 2 5/8". Light and easy to carry in hunting pouch or shooting box.

Nipple or
Touch Hole
Pick

Ramrod Puller

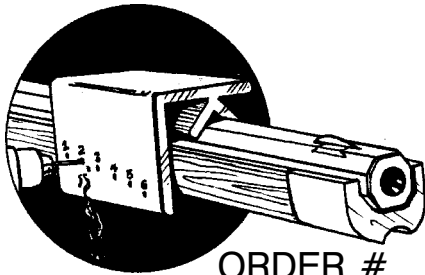
Finally, no longer will you have a scratched tip or broken ramrod by trying to pull a stuck rod with a pair of pliers. Ramrod puller is cast of solid bronze with a soft suede leather lining the jaws. Works great on wood, metal, plastic, and synthetic ramrod. This two-handed puller will remove just about any stuck ramrod.



ORDER #
18212

Ramrod
Puller

Drill Jig



ORDER #
04018

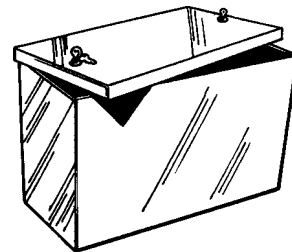
A precision made Drilling Jig for accurately locating the barrel pin holes in a muzzleloading stock or any gun that uses an octagonal barrel. For use with 3/4", 13/16", 7/8", 15/16", 1", 1 1/16" barrels. Very easy to use.

Drill Jig

Black Powder Storage Magazine

Safe storage facility for black powder that meets or exceeds BATF regulations and specifications. Large enough to hold up to 50 one pound cans of black powder. Metal construction, lined with spark proof material, two locks to secure lid. Comes painted ready to use.

Approved for use in Canada.
Standard model comes with four (4) legs.
Also available with casters - add \$25.00

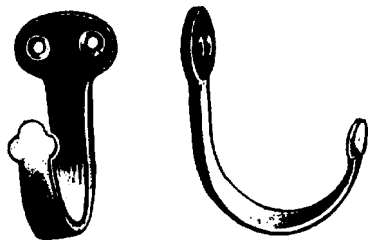


Black Powder
Storage
Magazine

ORDER#	DESCRIPTION
02981	Storage Magazine
02981W	Set of 4 wheels w/screws for 02981 Magazine



Deluxe Colonial Gun Cradles



ORDER#
07019

Deluxe Colonial Gun Cradles

Traditional Colonial Style Gun Cradles of heavy solid brass construction. Modified fleur de lis tip decoration. May be bent for width adjustment. Comes with lining for inner surface to prevent scratching. Mounting screws included. **Made in USA.**

POWDER DRUMS

Replacement Powder Drums

Steel Powder Drums for the custom rifle builder.

Each drum has a clean-out screw installed for easier cleaning, and is drilled and tapped for a standard 1/4" x 28 thread nipple.

For Spanish made rifles (Traditions, CVA) use #04022 which is drilled for a 6 x 1mm nipple. Two flats are milled on the end for easy installation or removal with a wrench.



Replacement Powder Drums

ORDER #	BODY SIZE	THREAD	ORDER #	BODY SIZE	THREAD
04032	1/2"	1/4" x 28	04009	7/16"	1/4" x 28
04003	1/2"	5/16" x 18	04023	7/16"	5/16" x 18
04004	1/2"	5/16" x 24	04010	7/16"	5/16" x 24
04005	1/2"	3/8" x 24	04024	7/16"	3/8" x 16
04006	1/2"	7/16" x 14(SAE)	04025	7/16"	3/8" x 24
04007	1/2"	7/16" x 20			
04008	1/2"	1/2" x 20			
04022	1/2"	10mm x 1.25 (6mm x 1 nipple)			
04017	1/2"	3/8" x 16			
04034	1/2"	10mm x 1.25 (1/4 x 28 nipple)			

Blank Powder Drums



Steel Powder Drums made the same as our standard drums, except they are left blank so the custom rifle builder may drill their own nipple hole.

ORDER #	DIA.	THREAD	ORDER #	DIA.	THREAD
04011	7/16"	1/4" x 28	04031	1/2"	1/4" x 28
04026	7/16"	5/16" x 18	04013	1/2"	5/16" x 18
04012	7/16"	5/16" x 24	04014	1/2"	5/16" x 24
04027	7/16"	3/8" x 16	04015	1/2"	3/8" x 16
04028	7/16"	3/8" x 24	04016	1/2"	3/8" x 24
			04030	1/2"	7/16" x 14
			04029	1/2"	7/16" x 20
			04035	1/2"	10mm x 1.25

Drum Replacement Screws

Replacement clean-out screws for the above drums.

ORDER #	THREAD
632316	6-32 x 3/16" (for all 1/4 x 28 threaded drums)
16254	10-32 x 3/16" (ALL other drums)

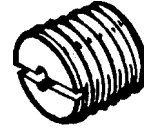
Drum Replacement Screws

TOUCH HOLE LINERS

Standard Touch Hole Liners

Touch Hole Liner for flintlock ignition rifles and pistols. Liners are coned on the inside to allow the powder charge to sit closer to the priming powder for a quicker ignition time. Machined from #303 stainless steel with a screwdriver slot for easy installation and removal.

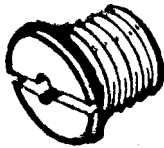
Hole diameter 1/16".



ORDER # THREAD SIZE

20243	1/4" x 28
20245	5/16" x 24
20247	3/8" x 24

Standard
Touch Hole
Liner



Tapered Touch Hole Liner

Stainless steel touch hole liner coned on the inside for fast ignition. Made with a tapered head to fit a standard counter sink so as to shoulder up flush with the barrel.

Hole diameter 1/16".

ORDER # THREAD SIZE

20250	1/4" x 28
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Tapered
Touch Hole
Liner

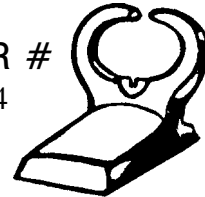
SIGHTS

Buckhorn Sights

Traditional full Buckhorn rear sight made of wax cast steel with a 5/8" long dovetail base. Height is 1/4" from top of base to bottom of notch. Notch may be filed to your desired shape and size.

ORDER

19194



Buckhorn
Sights

Buckhorn Sights



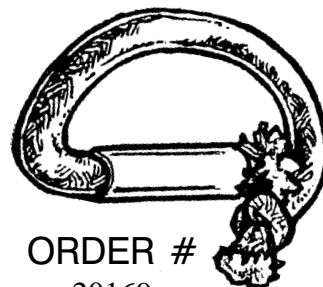
ORDER

19195

Same traditional design as the sight above, except that it has a standard 3/8" dovetail base to fit most conventional rifles.

Tinder Tube

Tinder Tubes have been used for centuries as a fire starting tool. To use, simply ignite the charred end of the cord with flint and steel striker, then use as you would char cloth to start a fire or light a pipe. To extinguish simply pull cord back into tube.



ORDER

20169

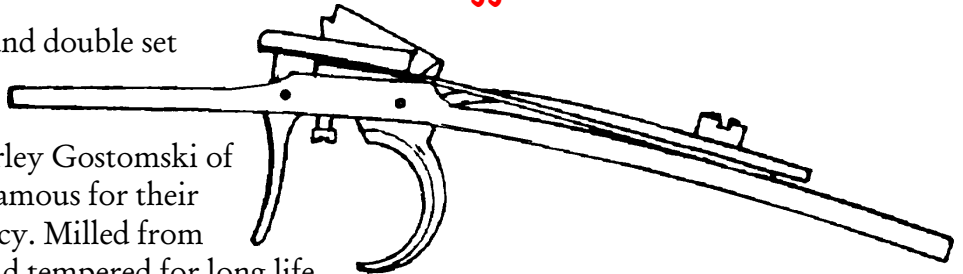
Tinder
Tube



★ **NORTH STAR BRAND TRIGGERS** ★

Double Set Double Action Triggers

North Star brand double set double action triggers, originally made by Curley Gostomski of Dayton OH, are famous for their quality and accuracy. Milled from 1018 grade steel and tempered for long life.



Double action triggers can be used either as a double set trigger or as a single trigger by using just the front trigger. The trigger bar is 5 7/8" long and 3/8" wide. Triggers have two adjustment screws one on the main spring and one on the front trigger to lighten the pull.

Double Set
Double Action
Trigger

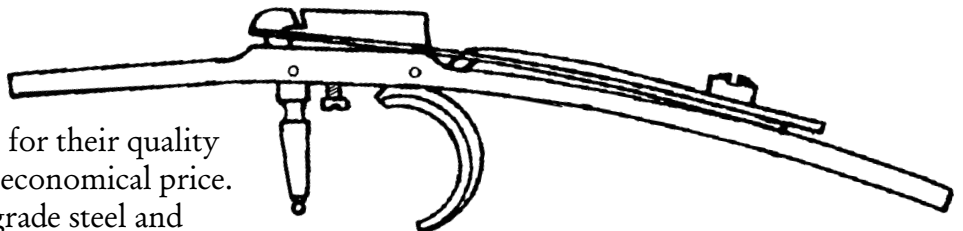
ORDER #	MODEL #	DESCRIPTION
20375	# 520	Double Set, Double Action

Replacement parts for # 20375 triggers

ORDER #	DESCR.	ORDER #	DESCRIPTION
20500	Trigger Plate	20504	Front Trigger Spring
20501	Rear Set Trigger	20505	Trigger Pivot Pin
20502	Hair Trigger Adj. Screw (3-56 x 3/8")	20506	Set Trigger Mainspring
		20507	Trigger Mainspring Screw (8-32 x 1/4")
20503	Front Trigger	SET4	Mainspring Adj. Screw (4-40 x 3/16")

Double Set Single Action Triggers

North Star Brand Double Set triggers are known for their quality and accuracy at an economical price. Milled from 1018 grade steel and tempered for long life. Rear trigger has a deep curve for ease of setting. Front trigger is straight and tapered. Trigger bar is 5 7/8" long and 3/8" wide. Match quality triggers that are ready to install.



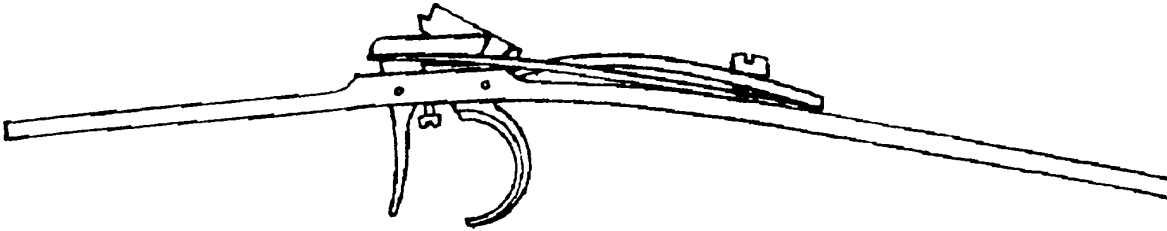
Double Set
Single Action
Triggers

ORDER #	MODEL #	DESCRIPTION
20376	# 500	Double Set Single Action

Replacement parts for # 20376 triggers

ORDER #	DESCRIPTION	ORDER #	DESCRIPTION
20500	Trigger Plate	20504	Front Trigger Spring
20541	Rear Set Trigger	20505	Trigger Pivot Pin
20502	Hair Trigger Adj. screw (3-56 x 5/16")	20506	Set Trigger Mainspring
		20507	Trigger Mainspring Screw (8-32 x 1/4")
20508	Front Trigger	SET4	Mainspring Adj. Screw (4-40 x 3/16")

Hawken Style Triggers



Hawken Style Triggers combining the same features found on the model # 520 triggers with a Hawken style long trigger bar that is ready to be shaped and cut to size for installation. These double set double action triggers are 9 7/8" long and 3/8" wide.

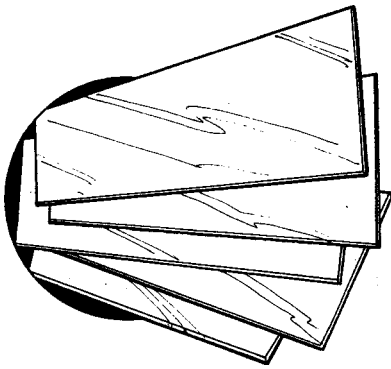
ORDER #	MODEL #	DESC.
20377	# 530	Hawken Style Double Set Double Action

Replacement parts for # 20377 triggers

ORDER #	DESCR.	ORDER #	DESCR.
20510	Trigger Plate	20504	Front Trigger Spring
20501	Rear Set Trigger	20505	Trigger Pivot Pin
20502	Hair Trigger Adj. Screw (3-56 x 3/8")	20506	Set Trigger Mainspring
20503	Front Trigger	20507	Trigger Mainspring Screw (8-32 x 1/4")
		SET4	Mainspring Adj. Screw (4-40 x 3/16")

BRASS STOCK

Sheet Brass

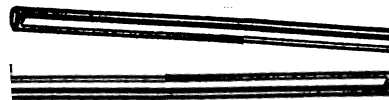


Sheet Brass in a variety of thicknesses for bending and cutting to make patchboxes, inlays, or any other project that needs a touch of brass.

ORDER #	THICKNESS	SIZE
02623	.032"	4" x 8"
02624	.050"	4" x 8"
02625	.062"	4" x 8"
02454	.040"	4" x 8"

Cutlers Pins

Solid brass cutlers pins for attaching knife handles, hinges, or any other pinning application. Pins are 2" long and 1/8" diameter. 10 pins per pack.



ORDER #
11100

Brass Pin Stock

ORDER #	DESCRIPTION	DESCRIPTION
16224	1/16" x 6"	Brass pin stock are used to secure the thimbles, the trigger and the barrel to the gunstock. We recommend the 3/32" size for pinning the barrel and the 1/16" size for the triggers and thimbles. Supplied in 6" pieces.
16225	3/32" x 6"	

Hawken Style
Triggers

Sheet Brass

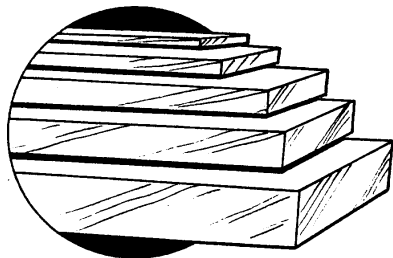
Cutlers Pins

Brass Pin
Stock

Brass Barstock

Solid Brass Barstock, ideal for making knife hilts, pommels, guards, spacers, inlays, butt plates, or any project that needs a heavier hunk of brass. Barstock is available in a variety of thicknesses and widths to suit most any need.

Brass Barstock

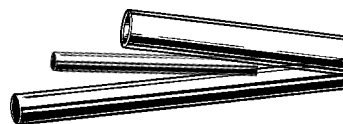


ORDER #	THICKNESS	SIZE
11151	1/16"	1 1/2" x 12"
11152	1/8"	1" x 6"
11153	1/4"	3/4" x 4"
11154	3/8"	1" x 4"
11155	1/2"	1 1/4" x 4"

Brass Rods

Brass Rods

ORDER #	DIA.	ORDER #	DIA.
BR4	1/4"	BR10	5/8"
BR5	5/16"	BR12	3/4"
BR6	3/8"	BR14	7/8"
BR7	7/16"	BR16	1"
BR8	1/2"	BR125	1 1/4"
BR9	9/16"		



Solid Brass Rods in a variety of diameters for making tips, jags, thimbles, adapters, starters, or any other project that needs a little brass. *Order by the inch.*

SIDE PLATES/PATCHBOXES

Rifle/Pistol Side Plates

Side Plates for percussion and flintlock rifles and pistols. Stamped from .092" sheet brass. Measurements given are the distance between centers of the lock bolt holes.

Rifle Side Plates



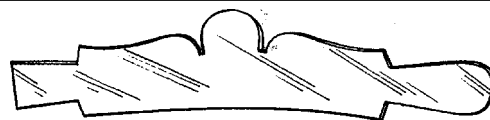
ORDER #	LENGTH	BOLT HOLES
19086	4 5/8"	2 1/2"

ORDER #	LENGTH	BOLT HOLES
19088	4 1/2"	2 1/2"



ORDER #	LENGTH	BOLT HOLES
19094	4 3/8"	2 1/2"

ORDER #	LENGTH	BOLT HOLES
19096	4 5/8"	2 3/8"



ORDER #	LENGTH	BOLT HOLES
19098	4 1/4"	2 1/2"

ORDER #	LENGTH
19104	3 7/8"



Pistol Side Plates



ORDER #
19117

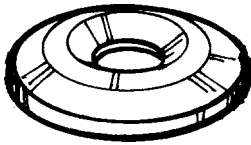


ORDER #
19119



ORDER #
19123

Pistol Side
Plates



ORDER # DESC.
27036 Brass
27037 Iron

Lock Bolt Washer

Lock Bolt Washers made of brass and iron with counter sunk holes for the tapered heads of standard lock and tang bolts. Washer is 5/8" diameter with a 3/16" hole.

Lock Bolt
Washer

Toe Plates

Original style Toe Plates for percussion or flintlock rifles. Stamped from .093" thick sheet stock. Ready to be installed and engraved. Available in Brass and Silver.

ORDER# DIMENSIONS
20176 5" long by 5/8" wide Brass
20177 5" long by 5/8" wide Silver



ORDER# DIMENSIONS
20178 4" long by 7/8" wide Brass
20179 4" long by 7/8" wide Silver



Toe Plates

Patchbox Kits

Patchboxes, more than anything else, will add grace, beauty, style and individuality to an otherwise ordinary rifle. These patchbox kits are left plain so that the builder can bend, drill, and engrave to fit his style.

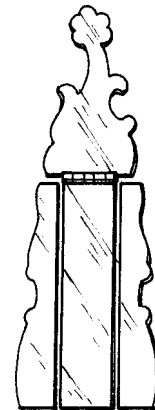
Patchbox kits are available in two styles.

Stamped from 0.40" sheet brass

Assembly required

ORDER # STYLE
16120 Bedford Co., PA

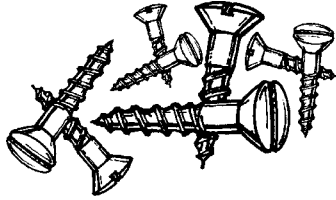
ORDER # STYLE
16121 Lancaster Co., PA



Patchbox Kits

SCREWS/BOLTS

Wood Screws

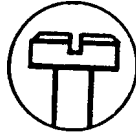


Wood Screws

ORDER #	SIZE
23035	#3 X 1/2"
23037	#5 X 3/4"
23090	#6 X 3/4"
23039	#8 X 1"
23041	#10 X 7/8"

Slotted oval headed Wood Screws, available in non-plated steel so that they may be browned or blued. Same style screw as that found on most original guns. Ideal for butt plates, toe plates, patchboxes, trigger guards, inlays, etc. Packages of 100.

Lock Bolts



Lock Bolts



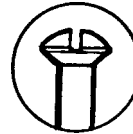
ORDER #	THREAD SIZE
12233	#8 x 32
12470	#8 blank
12234	#10 x 32
12468	#10 x 24
12469	#10 blank

Steel Lock Bolts 1 3/4" in length for securing the lock to the stock. Lock bolts may be shortened to individual length. Bolts are in the white and may be browned or blued. 3/8" dia. head. See left for thread sizes. Pkg. of 100

Tang Bolts



Tang Bolts



Steel oval headed Tang Bolts 2" in length for securing the barrel tang to the stock. Tang bolts may be shortened to individual length. 5/16" & 3/8" dia. head with a slight oval shape. See right for thread sizes. Pkg. of 100

ORDER #	THREAD SIZE
12235	#8 x 32 w/5/16" head
12471	#8 x 32 w/3/8" head
12472	#8 blank w/3/8" head
12236	#10 x 32 w/5/16" head
12473	#10 x 32 w/3/8" head
12474	#10 x 24 w/3/8" head
12475	#10 blank w/3/8" head

Hammer Screws

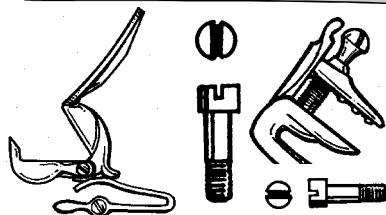
Hammer Screws made of cold roll steel with a fancy domed head. Finished in the white ready to be browned or blued. Head dia. 3/8". See right for thread sizes. Pkg. of 100



Hammer Screws

ORDER #	THREAD SIZE
12237	#4 x 40
12238	#5 x 40
12239	#6 x 40
12266	#6 x 32
12240	#8 x 32

Internal Lock Screw



Internal Lock Screw

Philister head steel screws for assembling or repairing of internal lock parts. Pkg of 100

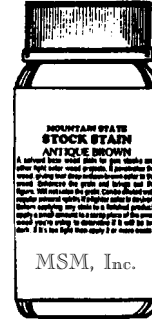
ORDER #	DESCR.	THREAD
27068	Sear Spring Screw	#6 x 32
27069	Bridle & Sear Screw	#8 x 32
27075	Top Jaw Screw	#10 x 24
27077	Pan Screw	#6 x 32
27079	Frizzen Screw	#8 x 32
27081	Frizzen Spring Screw	#6 x 32

FINISHING SOLUTIONS

Solvent base Stock Stain ready to use. Doesn't raise the grain of the wood like water base stains. Rich brown or reddish brown color on maple or light woods. Brings out the figure in curly maple wood. Instructions included. 2 oz.

Stock Stain

ORDER #	DESCRIPTION
19274	Antique Brown
19680	Antique Mahogany



Stock Stain



ORDER #
02661

A good old-time recipe, gives that old look to new guns. If left on metals long enough it will slightly pit the metal giving it that old antique look. Browning takes several days to cure. Easy to use. Instructions included. Enough for 3-5 rifles. 2 oz. bottle.

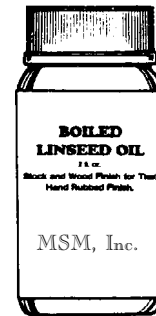
Barrel Browning

Barrel Browning

Boiled Linseed Oil

An ideal preservative coating for gun stocks. Linseed Oil gives wood a time honored hand rubbed finish. May be used on wood stocks, furniture, tool handles, etc. 2oz. bottle.

ORDER #
19275



Boiled Linseed Oil

HICKORY RAMRODS

Hickory Ramrod Blanks



Straight grain Hickory
Ramrod Blanks. 48" in length.
Available in sizes: 5/16", 3/8", 7/16", 1/2".

ORDER #	DIA.
18005	5/16"
18008	3/8"
18011	7/16"
18014	1/2"

Hickory
Ramrod
Blanks

Hickory Ramrods With Tips

ORDER #	DIA.	THREAD
18017	5/16"	8 x 32
18019	3/8"	8 x 32
18021	7/16"	8 x 32
18023	1/2"	8 x 32
318089	5/16"	10 x 32
318090	3/8"	10 x 32
318091	7/16"	10 x 32

Same straight grain
hickory ramrods as above only with the tip installed.
Tips are made of brass and available in 8 x 32 or 10 x 32 thread. Tips are securely pinned to the rods.



Hickory
Ramrods
With Tips

RAMROD TIPS

Straight Ramrod Tips



Straight Ramrod Tips

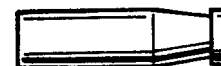
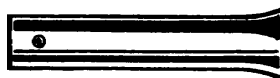
Ramrod Tips are machined out of solid brass with a concave end to center the ramrod over the ball, preventing damage to the ball or barrel. Tips are available in either 8x32 or 10x32 thread to accept most standard jags, brushes, or other accessories. See right for sizes and lengths.

ORDER #	DIA.	THREAD	LENGTH
18155	1/4" brass	8 x 32	1 1/4"
18156	5/16" brass	8 x 32	1 1/4"
18157	5/16" steel	8 x 32	1 3/8"
18159	3/8" brass	8 x 32	1 3/8"
18160	3/8" steel	8 x 32	1 3/8"
18162	7/16" brass	8 x 32	1 3/8"
18163	1/2" brass	8 x 32	1 3/8"
18927	5/16" brass	10 x 32	1 1/4"
18928	3/8" brass	10 x 32	1 3/8"
18929	7/16" brass	10 x 32	1 3/8"

Replacement Tips

Replacement Tips

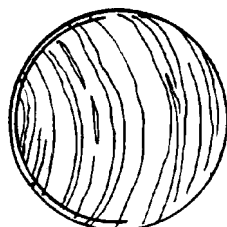
These are the tips used on all our Replacement Super Rods. Machined out of solid brass, each tip is drilled and tapped for standard jags and accessories. 3/8" dia. tips fits all T/C and similar rods. 23/64" dia. tips are a metric size for CVA, Traditions and similar metric size rods.



ORDER #	DESCR.	THREAD
318233	3/8" jag adapter tip	10 x 32
318234	3/8" flared pushing tip	8 x 32
318235	23/64" jag adapter tip	10 x 32
318236	23/64" flared pushing tip	8 x 32

Hardwood Balls

Hardwood Balls



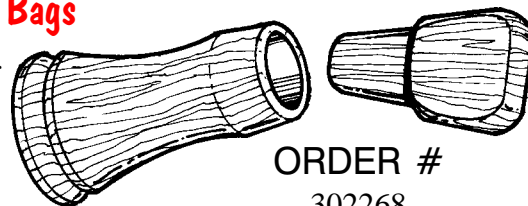
ORDER #	DIA.
23001	1 3/4"
23002	2 1/4"

Round hardwood balls, available in 1 3/4" and 2 1/4" dia. Used to make short starters or as a handle on the end of a loading and cleaning rod. May be stained and/or finished.

Neck & Stopper For Ball Bags

Neck & Stopper For Ball Bags

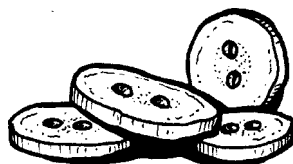
Ball bag nozzle with a friction fit plug, made for dispensing round balls up to .54 caliber in size. Turned out of hardwood and stained medium walnut. Ready to make into a traditional style ball bag.



ORDER #
302268

Antler Buttons

Antler Buttons



ORDER #	SIZE
02947	1/2"-3/4"
302371	7/8"-1"+

Buttons sawed from deer antlers, for use in the making of shirts, pants, coats, and pouches. Drilled with two holes for sewing to garments. Packaged 12 per bag. No two are alike.