

the

Blue Press

August 2017
\$2.95 U.S./\$3.95 Canada

*Which
Dillon
is
Right
for
YOU?
Page 6*



RUGER SILENT-SR[®]



TOP-TIER SOUND REDUCTION

REDUCES SOUND PRESSURE LEVELS OF .22 LR, .22 WMR, .17 HMR AND 5.7x28MM PISTOLS AND RIFLES BY UP TO 40 dB

The **Ruger® Silent-SR[®]** sound suppressor* features best-in-class materials and advanced design, resulting in a lightweight, compact size and top-tier sound reduction. It was designed and built by Ruger utilizing the very latest in fluid dynamic simulation and computer numeric controlled (CNC) machining equipment. The Ruger® Silent-SR[®] is easy to disassemble and clean. Each piece snaps together to seal the baffles and keep the byproducts of combustion away from the tube and end caps. It is also strong and light, utilizing a titanium tube, aluminum rear cap, and stainless steel threaded mount, baffles and front cap. Ruger has selected the best material for each part to maximize strength and minimize weight without sacrificing durability.



Compact and Lightweight
for Balance and Portability



Easy Disassembly for Cleaning



Compatible with a Host
of Ruger® Firearms

*Sound suppressors are not available in all states and locales due to laws restricting their ownership and use. Prior to purchasing, please check your state and local regulations to verify that you may legally possess a suppressor.

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Find Ruger:    

 **RUGER**

Dillon's RF 100 Automatic Primer Filler

3

Eliminates the need for primer pick-up tubes!

Fills the primer tube while you reload!

Clear polycarbonate shield and protective housing

Dillon's RF 100 Automatic Primer Filler eliminates the task of filling primer pick up tubes. Now you simply pour your primers from their box into the top, press the blue button and watch it run!

In about two minutes the primers are inside the protective metal housing. That's about 30 rounds you can load while the RF 100 is doing your work for you!

The RF 100 is available for either large or small primers, and conversion kits are available at one low price of \$48.95 each.

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Sm. Primer Filler	N90-97111	334.95
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Sm. (Euro. 220v)	N90-97113	344.95
Sm. Conversion	N90-17903	48.95
Lg. Conversion	N90-17902	48.95
Nylon Packcloth Dust Cover	N90-11143	14.95



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ETM 10RD 9MM |

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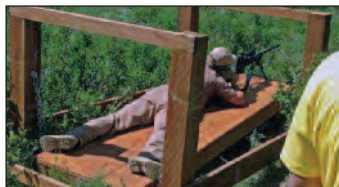
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We READ Our Mail!

Just finished the informative article about loading plated bullets (June 2017 issue). Maybe you could have a similar article about the new [polymer] coated bullets. There's not much info available and the major bullet manufacturers have a standard answer when asked about the coated bullets: "We have no data" (most likely lawyer driven). Also, any information about load data would be very helpful.

Jack Coughlin – jcoughli@aol.com

Regarding the rise of pistol-caliber carbines, while the AR platform is THE gun there ARE other options. The Beretta Cx4 Storm in 9mm is 30.5" OAL with a 16.6" barrel, weighs 5.7 lbs., and uses pistol magazines inserted in the grip with capacity between 15 and 30 rounds. The short OAL is accomplished with the heavy bolt (blowback action) telescoping the barrel. Ejection port and charging handle can work either side. Its shortcomings are a not-so-great trigger and some plastic parts that could fail under extreme use. There is a company that makes steel replacements. I shoot for fun but its basic purpose is defensive. TruGlo red/green sight is aligned with fold-down iron sights for 50 yds., but it obviously is effective beyond 100 yds. I'm way too old for gun games, but interesting article, anyway.

Carson Lemmon – Savannah, GA

My fiancé and I have been reloading for about six months. We bought the Dillon XL 650 when he started. We came across the Dillon Case Lube about a week ago and with the directions stating, "Place one layer of empty cartridge cases into an open box or on a cookie sheet, stolen from your spouse." We died laughing because when he first started he took all my cake pans and cookie sheets as well as my Tupperware containers. This is what got me into reloading because I was surprised when I went to bake brownies and I had no containers to do so. Thank you for the laugh and the case lube is also an excellent product.

Kelly Kacevicius – kaceviciusk@yahoo.com



Dillon Precision Products, Inc. now offers a smartphone app for both Apple and Android phone systems. Search for "Dillon Precision" at either the iPhone App Store or Google play.

THE BLUE PRESS

Stephen M. Dillon - Publisher
Mark G. Pixler - Editor
mpixler@dillonprecision.com

Gary Kieft - Technical Editor

Contributors:
Peter Caroline Duane Thomas
Brian Dillon, Ph.D. Barrett Tillman
John Marshall J.B. Wood

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August
2017

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All the electrical and/or electronic components of Dillon equipment and all Dillon textiles are covered by a one-year warranty from date of purchase. Any modifications performed to Dillon machines, or the addition of any unapproved equipment, including automated or mechanical add-ons from other manufacturers, is expressly not recommended and will void the Dillon warranty.

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Which Dillon is Right for YOU?



Page 8

SQUARE DEAL B

Our automatic-indexing progressive reloader designed to load moderate quantities of common handgun calibers from .32 S&W to .45 Colt. It comes to you from the factory set up to load one caliber.



Page 14

RL 550C

The most versatile reloader available, capable of loading over 160 calibers. An automatic casefeeder is available for handgun calibers. Manual indexing and an optional magnum powder bar allow you to load magnum rifle calibers.



Page 20

XL 650

Truly the state of the art, our XL 650 features automatic indexing, an optional automatic casefeeder and a separate station for an optional powder-level sensor. Available in all popular pistol and rifle calibers.



Page 30

SUPER 1050

Our highest production rate reloader includes a swager to remove the crimp from military primer pockets, and is capable of reloading all the common handgun calibers and several popular rifle calibers.

Dillon Progressive Loading Machines: Facts & Figures

	SQUARE DEAL B	RL 550C	XL 650	SUPER 1050
COST				
Base price	\$404.95	\$459.95	\$579.95	\$1799.95
Caliber Conversion price range	\$88.95-98.95	\$46.95-56.95	\$78.95-88.95	\$126.95-279.95
RATE				
Cyclic rate (Rounds per hour)	300-500	400-600	500-800**	1000-1200
One hour production rate	350	500	800**	1000
Caliber change time	10 min	5 min	10 min	20 min
FEATURES				
Number of stations	4	4	5	8
Auto index	yes	no	yes	yes
Auto Casefeeder	no	optional	optional	standard
Uses standard (7/8" x 14) dies	no	yes	yes	yes
Powdercheck System	no	no	optional	optional
Primer Early Warning System	standard	standard	standard	standard
Failsafe Powder System	standard	standard	standard	standard
Separate Crimp Station	yes	yes	yes	yes
SPECIFICATIONS				
Primer magazine capacity	100	100	100	100
Casefeed capacity (.38/.223)	N/A	N/A	600/500	600/500
Powder measure capacity	3/4 lb	3/4 lb	3/4 lb	3/4 lb
Shipping weight	17 lbs.	25 lbs.	36 lbs.*	66 lbs.
Height required above bench***	34 in.	35 in.	44 in.	43 in.
Benchtop overhang required***	1-3/4 in.	3/4 in.	3/4 in.	None
CALIBERS				
Pistol	.32 S&W - .45 Colt	All common	All common	All common
Rifle	N/A	All common	All common	.223 - .30-06

*XL 650 weighs 47 lbs. with optional Casefeeder. **With optional Casefeeder. ***Without optional Strong Mount.

DILLON

HP1 Electronic Hearing Protector

- Protection Rating NRR 21
- External battery compartment
- Auto shut off extends battery life
- Extra-deep, replaceable ear pads
- Separate volume controls for each ear
- TRUE stereophonic sound
- Collapsible for ease of storage
- One-year warranty on electronics



Dillon's HP1 Electronic Hearing Protector amplifies weak sounds while at the same time blocking out loud, harmful noise. During loud noises, the HP1 maintains a comfortable level of sound transmission – HP1 Hearing Protectors are designed to never completely shut off. The Dillon HP2 Folding Hearing Protector is comfortable to wear for extended periods and folds for easy storage when not in use.

HP2 Non-Electronic Hearing Protector



Hearing
Protector
Belt Clip

Dillon Hearing Protectors

HP1 (NRR 21) Electronic Hearing Protector, Blue	N90-10157	\$135.00
HP1 Electronic Hearing Protector, Black	N90-10156	135.00
HP2 (NRR 21) Non-Electronic Hearing Protector, Blue	N90-10361	19.95
HP2 Hearing Protector, Black	N90-10360	19.95
HP1/HP2 Replacement Ear Cushions	N90-19022	10.00
Hearing Protector Belt Clip	N90-13020	3.29

8 SQUARE DEAL 'B'

STANDARD FEATURES:

- Automatic Indexing
- Available in 18 Handgun Calibers
- Loading Rate: 300-500 Rds./Hr.
- Comes With One Caliber Conversion
- Automatic Powder Measure
- Automatic Primer System
- Comes Complete With Dies
- Factory Adjusted, Ready-to-Use
- Lifetime "No-B.S." Warranty
- **RISK FREE 30-Day Trial!**

All for ONLY...

\$404^{95*}



**SDB DVD
Instruction Manual
N90-19482 \$19.95**

"SDB" Stock Numbers

.32 S&W Long/H&R Magnum*	N90-16815	\$434.95
.380 ACP	N90-20053	
.38 Special	N90-20102	
.357 Magnum	N90-20103	
.38 Super	N90-20099	
.38 Super Comp	N90-20115	
9mm	N90-20104	
.40 S&W	N90-20787	
10mm	N90-20643	
.41 Magnum	N90-20054	
.44 Special	N90-20105	
.44 Magnum	N90-20052	
.44-40 Winchester	N90-21036	
.45 ACP	N90-20101	
.45 Colt	N90-20051	
.45 GAP	N90-20098	
.45 S&W Schofield	N90-20418	

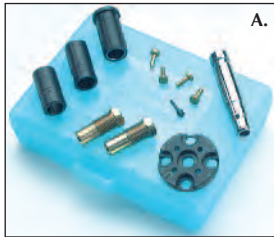
Total price as pictured here
with optional accessories: **\$609.70**

SDB Strong Mount	N90-22223	\$65.95
Low Powder Sensor	N90-16306	\$41.95
Bullet Tray	N90-22214	\$42.95
Tool Holder w/Wrench Set	N90-19441	\$27.95
Ctg. Case Bin & Bracket	N90-11672	\$25.95

SQUARE DEAL 'B' ACCESSORIES

A. SQUARE DEAL 'B' CONVERSION KITS

Change from one caliber to another in minutes. Conversion includes carbide size die (except .44-40), expander/ powder funnel, seat die, crimp die, shellplate and locator buttons.



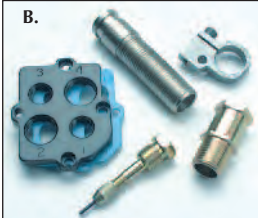
.32 S&W Long/H&R Mag	N90-16774	\$98.95
(.32 S&W Requires X-Small Powder Bar N90-20780 \$31.95)		
.380 ACP	N90-20246	88.95
.38 Special	N90-20240	88.95
.357 Magnum	N90-20240	88.95
.38 Super	N90-20229	88.95
.38 Super Comp	N90-20275	88.95
9mm	N90-20241	88.95
.40 S&W	N90-20469	88.95
10mm	N90-20469	88.95
.41 Magnum	N90-20247	88.95
.44 Special	N90-20242	88.95
.44 Magnum	N90-20242	88.95
.44-40 Winchester	N90-21035	88.95
.45 ACP/.45 GAP	N90-20123	88.95
.45 Colt	N90-20248	88.95
.45 S&W Schofield	N90-20417	88.95

SQUARE DEAL 'B' DELUXE QUICK CHANGE (Not Pictured) Includes toolhead, powder measure and SDB Toolhead Stand.

N90-62256, \$127.95

'SDB' POWDER MEASURE N90-20001, \$81.95

B.



B. SQUARE DEAL 'B' TOOLHEAD

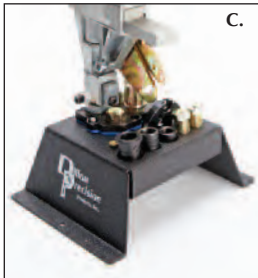
Extra toolheads keep all your adjustments the way you left them.

N90-20113, \$32.95

C. SQUARE DEAL 'B' TOOLHEAD STAND

Holds your SDB toolhead, powder measure, dies and caliber conversion components (not included) in an orderly manner.

N90-62225, \$25.95



C.

D.

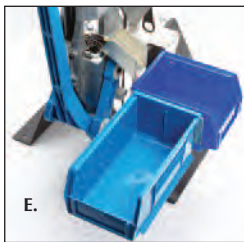


D. SQUARE DEAL 'B' BENCH WRENCH

The Square Deal Bench Wrench has the correct sizes for Square Deal "B" die adjustments.

N90-19970, \$8.95 each.

Buy two or more, \$8.10 each.



E.

E. CARTRIDGE CASE BIN & BRACKET

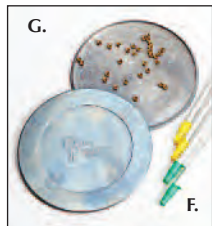
Ergonomically designed to cut your workload through economy of motion! Attaches to all Strong-Mount-equipped SDBs.

N90-11672, \$25.95

F. PRIMER PICKUP TUBES

Used to transfer primers from flip tray to priming system.

1 Lg.	N90-22029	\$7.99
1 Sm.	N90-22028	7.99
2 Sm., 2 Lg.	N90-20056	24.95
4 Lg.	N90-20050	24.95
4 Sm.	N90-20049	24.95



G.

F.

G. PRIMER FLIP TRAY

A heavy, high-quality tray large enough for the Federal primer package. **N90-13606, \$21.95 ea.**

H. MACHINE COVER

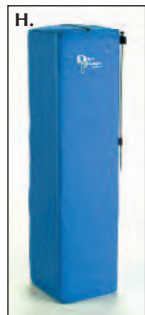
This great looking nylon cover adds security to your loading bench. Your reloader will be protected against more than dust as these covers come with a D-ring that allows the heavy duty zipper to be locked.

Machine Cover, **N90-13795, \$23.95**

(L.) Master lock, **N90-13083, \$3.95**



I.



H.



J.

J. MACHINE MAINTENANCE KIT

Everything you need to keep your Dillon loader cleaned and lubricated up to factory specifications. Available in combination with a spare parts kit for your machine.

Maint. Kit/SDB Spare Parts Kit N90-97015, \$36.95

K. SDB SPARE PARTS KIT

- 1 SD Shellplate Bolt
- 1 SD Ejection Wire
- 4 SD Wave Bearings
- 1 Toolhead Friction Plate
- 2 Pistol Decapping Pins
- 1 Small Primer Seat Punch
- 1 SD Slide Return Spring
- 1 #10 Tinnerman Insert
- 1 Bellcrank Cube
- 4 Locator Pins (#1, #2, #3, #4)
- 1 Indexer Return Spring
- 1 Large Primer Seat Punch
- 1 Primer Seat Punch Spring
- 2 Pickup Tube, Small, Yellow Tips
- 2 Magazine Orifices, Large



- 2 Pickup Tube, Large, Green Tips
 - 1 3/16" Index Ball
 - 2 Magazine Orifices, Small
 - 2 Retaining Clips
 - 1 SD Index Lever Assembly
 - 2 Dispensing Tips, Large
 - 2 Dispensing Tips, Small
- N90-20778, \$22.95**

DON'T FORGET ONE OF THESE!

Universal Mounting Hardware Kit

N90-14355 \$5.49

Brighten Your Day



CZ 75 B

Polished Stainless 9mm



Reviewed by Peter Caroline

Your first gun is always pregnant, or so they say. In fact, all of them are, to a greater or lesser degree. Two hyper-gravid examples might be the 1911 pistol and the AR-type rifle. If you buy one, you will most likely buy a slightly different one to keep it company. A third example makes you a collector. And it just goes downhill from there. I know this from personal experience. Back in 2005, a friend of mine brought a standard, blued CZ 75 to the range. I tried it out, and I was hooked. The gun felt just right in my hand, and was pleasant to shoot and quite accurate. The magazine held 16 rounds of 9mm Luger. Unlike most DA/SA pistols, it could be carried in Condition 1. When I was at the 2006 SHOT Show, CZ-USA was selling off their leftover 30th Anniversary CZ 75s, complete with high-polish

blue finish, gold inlays and specially inscribed birch grips. I bought one, along with a .22 LR conversion unit. In both calibers, the gun was and still is a tackdriver.

I was curious as to why the CZ 75, a pistol developed in a Combloc country in 1975, would be chambered in NATO-standard 9mm Luger. Actually, it was developed for civilian sport shooters, not for the military, which used the 7.62x25mm Tokarev cartridge, a round that is 1/4" longer overall than the 9mm Luger. It wasn't until after the Evil Empire broke up in 1989, that the Czech military adopted the 9mm CZ 75.

Given the advantages of modern bullet technology, 9mm Luger is a perfectly adequate choice for everyday carry. Still, I was curious to see how a CZ 75 would perform in a higher caliber. The 10mm Bren Ten, a CZ 75 derivative de-

sign, was out of production, and magazines were even more rare than the gun itself. A more practical (and far less expensive) answer was the CZ 97 B, a scaled-up .45 ACP version of the CZ 75. It weighs about a quarter pound more than the CZ 75, and the magazine holds 10 rounds. Like its 9mm counterpart, it is a joy to shoot, but somewhat less of a joy to carry.

A Tri-Star T-120, a CZ 75 clone made by Canik in Turkey, followed the CZ 97 B into my collection. Featuring a Desert Tan aluminum frame and steel slide, it weighs about half a pound less than the Czech original, and sells for about \$200 less.

Its performance at the range was close, if not equal, to the original, and it's definitely a bargain at the price.

At the 2017 SHOT Show, I spotted a CZ 75 in bright, polished stainless, with black rubber grips. I have an unfortunate weakness for shiny things. And, to put extra frosting on the cake, there was an ambidextrous safety, a major selling point for those of us of the lefthanded persuasion. Although the checkered rubber grips were comfortable, I could envision the pistol with fancy mammoth ivory or flame-grained exotic wood grips as an impressive barbecue gun... whatever the Czech equivalent of a barbecue might be. Needless to say, I ordered one.

One of the first things you notice when shooting the CZ 75 is, there's not much metal to grab onto when you're cycling the slide, which rides inside the frame rails, much like the Sig 210. The good news is, this results in a lower bore axis and consequently better recoil control. Fully loaded, the CZ 75 weighs a bit more than 43 ounces, so recoil isn't much of a problem anyway. The single-action trigger pull is approximately 5 lbs., with about a

1/4" of slack, which seems to be quite consistent among all the CZ 75s I've handled. There is no checkering on the front or rear of the grip, but the front of the trigger guard is checkered, which is nice if you're into that sort of thing.

The CZ 75 functioned smoothly and accurately with a wide assortment of loads...Agua 124-gr. FMJ, Winchester PDX-1 Defender 147-gr. JHP, HPR 115-gr. TMJ, Corbon +P 125-gr. JHP, Ruger +P 80-gr. copper/polymer, Blazer Brass 115-gr. FMJ, and some unusual G2 Civic Duty and R.I.P. rounds purported to convert human protein into its basic elements.



The polished stainless CZ 75 is a shining (literally) example of classic DA/SA all-steel design. It is accurate, reliable and eminently presentable. It comes in a black hard case, along with two 16-round magazines, bore brush, cleaning rod, multi-lingual manual, the inevitable cable lock and a test target.

The sights are your basic black, square, 3-dot, with the rear sight drift-adjustable for windage. Adjustment wasn't needed; the gun shot where it was pointed. Takedown is intuitive, if you've had any experience with a 1911 or Browning HP: remove magazine, clear chamber, move slide back about 1/4" until the marks on the frame and slide align, push out the slide stop, pull slide and barrel forward off the frame, remove the recoil spring and guide and barrel. Nothing exotic here; this is 1970s technology, simple and utterly reliable.

To sum up, the polished stainless CZ 75 is a shining (literally) example of classic DA/SA all-steel design. It is accurate, reliable and eminently presentable. It comes in a black hard case, along with two 16-round magazines, bore brush, cleaning rod, multi-lingual manual, the inevitable cable lock and a test target. MSRP is \$783.

CZ-USA
3341 N. 7th St.
Kansas City, KS 66115
913-321-1811 www.cz-usa.com

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3-Lens Pkg., Smoke Grey, Clear,
Light Rust **N90-12104**



WX Valor \$95

3-Lens Pkg., Smoke Grey, Clear,
Light Rust **N90-12105**



WX Saint \$95

3-Lens Pkg., Smoke Grey, Clear,
Light Rust **N90-12102**

WILEY X PROTECTIVE EYEWEAR MEETS ANSI, EN166 AND MILITARY VO BALLISTIC STANDARDS



\$9⁹⁹

Bomber Glasses

Bomber Glasses' lenses and frames are made from High-Index Polycarbonate that is durable, flexible and impact resistant. All colors provide UV protection.

Clear	N90-10513
Smoke	N90-10514
Light Blue	N90-10515
Yellow	N90-10516
Amber	N90-10517
Smoke Mirror	N90-10518

Bifocal Shooting Glasses



Clear, Bottom Bifocal

Clear Bifocal 1.5	N90-11820	\$19.95
Clear Bifocal 2.0	N90-11821	19.95
Clear Bifocal 2.5	N90-11822	19.95

Smoke, Bottom Bifocal

Smoke Bifocal 1.5	N90-11825	\$19.95
Smoke Bifocal 2.0	N90-11829	19.95
Smoke Bifocal 2.5	N90-11831	19.95

Top Bifocal, Clear or Smoke

Top Bifocal Clear, 1.25	N90-62262	\$35.00
Top Bifocal Smoke, 1.25	N90-62263	35.00
Top Bifocal Clear, 1.5	N90-62264	35.00
Top Bifocal Smoke, 1.5	N90-62265	35.00
Top Bifocal Clear, 2.0	N90-62266	35.00
Top Bifocal Smoke, 2.0	N90-62280	35.00
Top Bifocal Clear, 2.5	N90-62267	35.00
Top Bifocal Smoke, 2.5	N90-62268	35.00

Ear Pro EP3 Sonic Defenders® by SureFire®

protect you against loud, harmful noises, yet allow normal conversations to be heard; and the soft, hypoallergenic polymer provides all-day comfort. **NRR 24**

Small	N90-25340	\$12.95
Medium (Fit Most People)	N90-25341	12.95
Large	N90-25342	12.95



FLUGZ

Advanced hearing protection that's easy to custom fit for all-day comfort. Comes with everything you need to fit to your ears.

NRR 21

N90-43384 \$19.95



BL 550 Dillon's Basic Loader



\$274⁹⁵

N90-15399

Reloading Dies and Caliber
Conversions sold separately
(see the back of the order blank
in the center of *The Blue Press*).

Pictured with optional accessories:
Strong Mount N90-22051 \$49.95

Dillon's RL 550 has long worn the title of "The World's Most Versatile Progressive Reloader," and stripping it down to its most basic form – Dillon's BL (Basic Loader) 550 – adds a whole new dimension of versatility for the shooter/hunter who needs to feed several rifles.

The BL 550 is essentially an RL 550 without the automatic priming and powder systems. Capable of loading over 160 calibers – just like the RL 550 – it uses any manufacturer's standard 7/8" x 14 reloading dies. It's priced comparably with other manufacturers' turret presses; yet unlike them, it's fully upgradeable to Dillon's Progressive RL 550 loader!

The interchangeable toolhead (*Page 15*) makes it quick, easy and inexpensive to change calibers. For example, if you load .30-06 for elk, .243 for deer and .22-250 for coyotes, you don't even have to change the shellplate. You simply pull two pins and swap the toolhead with your .30-06 dies to another toolhead with your .22-250 or .243 dies in less than 30 seconds! The additional toolheads are \$22.95 each, or \$20.95 each if you buy three or more – if you load for several rifles it's a no-brainer! Once you get your dies adjusted, you'll never have to re-set them.

A powder measure adapter (*bottom right photo*) is available if you want to use a manual measure that you already own. Or, if you want to weigh every powder charge you load, it's easy – you can use a powder trickler with the powder die/funnel assembly that comes with the BL 550.

Spares, Accessories & Upgrades for AT 500s, BL 550s & RL 550s

AUTO PRIME SYSTEM

Includes:

Primer Housing /Shield
Primer Slides, Large/Small
Pickup Tubes, Large/Small
Pickup Tube Tips, Large/Small
Magazine Tubes, Large/Small
Mag. Orifices, Large/Small
Operating Rod
Primer Track Bearing
Housing Screws
Ret. Spring Retaining Pin

N90-16627, \$84.95



PRIMER SYSTEM EARLY WARNING KIT

Allows you to focus on loading instead of worrying about failing to seat a primer, and is an easy slip-on attachment to the auto prime system.

N90-20302, \$25.95

AUTO POWDER SYSTEM

Accurate to within 0.1 grain, our Automatic Powder Measure is world renowned for its charge-to-charge consistency.

N90-20251, \$92.95

OPTIONAL MAGNUM RIFLE POWDER BAR

N90-21353, \$31.95



AUTO EJECT SYSTEM

Greatly increases your ammo production capabilities and adds a Cartridge Chute/Bracket and a Cartridge Bin to your reloader.

N90-22120, \$31.95

AT 500 POWDER DIE

Extra powder dies allow you to move your powder measure from toolhead to toolhead without changing the "belling" adjustment.

Powder Die: N90-16629, \$19.95

Oversize Die: N90-16626, \$19.95

Plastic Funnel: N90-16617, \$5.95



POWDER MEASURE ADAPTER

If you load rifle cartridges with long-grain extruded powder, you can now use any manufacturer's powder measure with 7/8" x 14 threads on your RL 450, AT 500, BL 550 or RL 550. (*Requires the use of an RL 450 powder die – see below.*)

N90-20029, \$23.95

RL 450 Powder Die:

N90-20308, \$21.95

RL 550C

STANDARD FEATURES:

- Accommodates Over 160 Calibers
- Uses Standard 7/8" x 14 Dies
- Loading Rate: 400-600 Rds./Hr.
- Comes With One Caliber Conversion
- Interchangeable Toolhead Assembly
- Automatic Powder Measure
- Automatic Primer System
- Lifetime "No-B.S." Warranty
- **RISK FREE 30-Day Trial!**

All for ONLY...

\$459^{95*}

N90-14261

Reloading dies sold separately.

*Prices vary on exotic-caliber machines.



RL 550 DVD
Instruction Manual
 N90-19483 \$19.95



Total Price as pictured here
 with optional accessories: **\$764.60**

.45 ACP Die Set	N90-14404	\$66.95
Strong Mount	N90-22051	\$49.95
Roller Handle	N90-17950	\$46.95
Low Powder Sensor	N90-16306	\$41.95
Bullet Tray	N90-22214	\$42.95
Toolholder w/Wrench Set		
	N90-11541	\$29.95
Cartridge Case Bin/Bracket		
	N90-11185	\$25.95

RL 550C ACCESSORIES



A. RL 550 CALIBER CONVERSION KITS

Contains: Shellplate, powder funnel and locator buttons. Available in all calibers; please specify caliber desired.

N90-RL550 CONVERSION \$46.95 (Exotic calibers, \$56.95)

B. AUTO POWDER MEASURE SYSTEMS

Additional powder measures stay on the toolhead. Never change powder measurements again! RL 550 Powder Measure **N90-20782, \$81.95 ea.** Magnum Rifle Powder Bar **N90-21353, \$31.95 each** X-Small Powder Bar **N90-20780, \$31.95 each**



C. DELUXE QUICK CHANGE ASSEMBLY

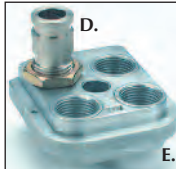
With a quick change assembly and a caliber conversion kit (SOLD SEPARATELY), you can convert in less than a minute. Complete with:

- Toolhead
- Powder Measure
- Powder Die
- Toolhead Stand

Price without Dies, **N90-22058, \$108.95**
Loading dies sold separately on Pages 34, 35 & 52.

D. POWDER DIES

Extra powder dies allow you to move your powder measure from toolhead to toolhead without changing the "bellling" adjustment.



N90-20064, \$11.95 each
Three or more, \$10.95 ea.

X-Large Powder Die, N90-21253, \$19.95 each

E. TOOLHEADS

Don't adjust dies when switching calibers. These precision tool holders hold your dies in perfect alignment, making caliber changes quick and easy.

N90-13909, \$24.95 each
Three or more, \$22.95 ea.



F. TOOLHEAD STANDS

The ultimate in convenience for keeping your reloading bench clean and uncluttered.

N90-22055, \$21.95 each
Three or more, \$19.95 ea.

G. 1" BENCH WRENCH
N90-10842, \$7.95 each
Two or more, \$7.10 ea.



H. RL 550 CASEFEEDER UPGRADE

Available for most pistol cartridges – will not work with rifle cartridges.

Large Pistol N90-14450
Small Pistol N90-14451

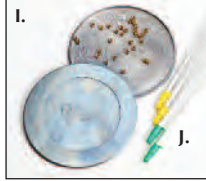
\$264.95 (110v US Model)

Large Pistol N90-14453
Small Pistol N90-14454

\$274.95 (220v Euro Model)

CASEFEEDER CALIBER CONVERSIONS (Page 17)

\$24.95 each



I. PRIMER FLIP TRAY

N90-13606, \$21.95 each

J. PRIMER PICKUP TUBES

1 Lg. tube	N90-22029	\$7.99
1 Sm. tube	N90-22028	7.99
2 Sm., 2 Lg.	N90-20056	24.95
4 Lg. tubes	N90-20050	24.95
4 Sm. tubes	N90-20049	24.95

K. 550 SPARE PARTS KIT

- 1 Seating Punch, Small
- 1 #10 Tinnerman Insert
- 1 Primer Cup, Large
- 1 Primer Cup, Small
- 1 Bellcrank Cube
- 1 3/8" Index Ball
- 1 550 Brass Tip Set Screw
- 1 550 Ejector Wire
- 1 Cartridge Retaining Spring
- 1 550 Slide Return Spring
- 4 Locator Pins (#1, #2, #3, #4)
- 1 Seating Punch, Large
- 1 550 Index Ball Spring
- 2 Pickup Tube, Small, Yellow Tips
- 2 Magazine Orifices, Large
- 1 Toolhead Pin



- 2 Pickup Tube, Large, Green Tips
 - 2 Magazine Orifices, Small
 - 1 550 Primer Cup Spring
 - 2 Retaining Clips
 - 2 Dispensing Tip, Large
 - 2 Dispensing Tip, Small
 - 1 Failsafe Bushing Rev. B
- N90-20048, \$19.95**

L. MACHINE MAINTENANCE KIT

Provides you with everything you need to keep your Dillon loader cleaned and lubricated up to factory specifications. Available in combination with a spare parts kit for your machine.

Maint. Kit & Spare Parts Kit N90-97016, \$33.95



M. LOW POWDER SENSOR

Provides an audible and visual reminder when it's time to refill your powder reservoir. When the powder level drops to about 1000 grains, a buzzer will sound and a bright red LED will light.

N90-16306, \$41.95

N. EQUIPMENT DUST COVERS

This packcloth nylon machine cover comes equipped with a D-ring, allowing the heavy duty zipper to be locked.

RL 550 Cover, **N90-13795, \$23.95**

(O.) Master lock, **N90-13083, \$3.95**

Quick-Change Cover (for use with powder measure) **N90-11143, \$14.95**



P. UNIVERSAL MOUNTING HARDWARE KIT

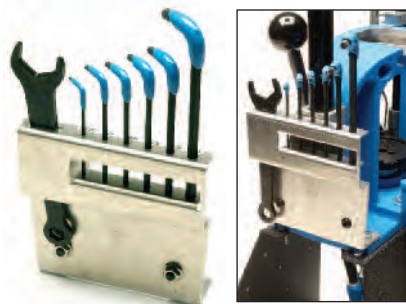
Includes: 4-Grade 5 Hex Bolts, 4-Lock Nuts, 4 Flat Washers, 4-Fender Washers, 2-Wood Screws.

N90-14355, \$5.49

Dillon Reloading Accessories

Dillon's Reloading Accessory Package Deals include: either Dillon's D-Terminator Electronic Scale or Eliminator Balance Beam Scale, a Dial Caliper, a Primer Flip Tray, a Bench Wrench, an 8 oz. bottle of Case Lube, a pair of clear safety glasses, a machine cover and the latest edition of the Lyman *Reloading Handbook*.

SDB (Balance Beam Scale)	N90-14482	\$192.95
SDB (Electronic Scale)	N90-14483	251.95
RL 550 (Balance Beam Scale)	N90-21143	191.95
RL 550 (Electronic Scale)	N90-22117	250.95
XL 650 (Balance Beam Scale)	N90-21430	207.95
XL 650 (Electronic Scale)	N90-22118	266.95



Dillon's Strong Mounts

increase your machine's "foot-print" to over 10", spreading the load over the whole bench instead of stressing the leading edge. For XL 650 owners with limited overhead clearance, the XL 650-only mount raises the machine 6" above the bench top. All mounts come with all the fasteners necessary to mount your machine and are coated with a durable black wrinkle finish.

RL 550/XL 650	N90-22051	\$49.95
XL 650-only	N90-22052	46.95
"SDB"	N90-22223	65.95



Dillon's Bullet Tray is a simple, shallow aluminum bullet tray designed and located for economy of motion. Our tray works on the Square Deal "B", RL 550 and XL 650 when equipped with the RL 550/XL 650 Strong Mount, and a separate kit is available for the RL/Super 1050.

Bullet Tray Kit	N90-22214	\$42.95
1050 Tray Kit	N90-22215	42.95

Dillon's Toolholders are available for your RL 550, XL 650, SL 900, and Square Deal B, and ensure that the tools you need to service your reloader are handy and organized. No more digging around your bench trying to find the right size hex wrench!

XL 650 with Wrench Set	N90-11555	\$30.95
XL 650 w/o Wrench Set	N90-11554	19.95
RL 550 with Wrench Set	N90-11541	29.95
RL 550 w/o Wrench Set	N90-11543	18.95
Square Deal B with Wrench Set	N90-19441	27.95
Dipped Ball-End Hex Wrenches	N90-11483	18.95
One-Inch Bench Wrench	N90-10842	7.95
Square-Deal-Only Wrench	N90-19970	8.95

Dillon's "Belted Magnum" Powder System

features a maximum-capacity steel powder bar that can dispense more than 100 grains of extruded IMR powder. Magnum rifle cartridges can require from 70 grains to well in excess of 100 grains for a single charge. We tested this system with various extruded rifle powders and found that powder charge variations stayed within plus-or-minus three-tenths of a grain.

Magnum Powder System	N90-97126	\$149.95
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Dillon's Low Powder Sensor

provides an audible and visual reminder when it's time to refill your powder reservoir. When the powder level drops to about 1,000 grains remaining in the reservoir, a buzzer will sound and a bright red LED will light. Designed to fit all Dillon powder measures. Made of clear polycarbonate, it simply replaces the die-cast metal lid supplied with the measure, and operates on two AAA batteries (included).

	N90-16306	\$41.95
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Dillon's Roller Handle gives your reloader an entirely new "feel," reduces operator fatigue, and makes primer seating easier.

Aluminum Roller Handle	N90-17950	\$46.95
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Quick-Change Cover for use with powder measure.

	N90-11143	\$14.95
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With Dillon's RL 450 Upgrade components, you can, either all at once or one assembly at a time, upgrade your RL 450 reloader to an RL 550!

RL 450 Upgrade Components

Frame Change	N90-20094	\$99.95
Powder Failsafe	N90-20251	92.95
Auto Prime	N90-20055	89.95
Auto Eject	N90-20002	60.95
Primer Warning	N90-20302	25.95

A Casefeeder UPGRADE for YOUR RL 550

\$264^{95*}

110 Volt US Model
Large Pistol N90-14450
Small Pistol N90-14451
220 Volt Euro Model, \$274.95
Large Pistol N90-14453
Small Pistol N90-14454

*Caliber Conversions
sold separately below.

RL 550 Casefeeder Caliber Conversions

\$24.95 Each

.25-20/.32-20 Winchester	N90-14206
.30 Mauser/7.62x25	N90-14204
.32 S&W Long	N90-14205
.32 H&R Magnum	N90-14283
9mm/9x21/.38 Super/.30 Luger	N90-14284
10mm/9x25 Dillon	N90-14285
.38 S&W	N90-14208
.38 Super Comp.	N90-14287
.38/.357 Magnum	N90-14286
.357 SIG/.40 S&W	N90-14289
.38-40/.44-40 Winchester	N90-14288
.41 Magnum	N90-14290
.44 Russian	N90-14209
.44 Special/Magnum/Colt	N90-14291
.45 GAP	N90-11441
.45 ACP/.40 Super/.400 Cor-Bon	N90-14292
.45 Auto Rim	N90-19140
.45 Colt/.45 S&W/.454 Casull	N90-14279
.45 Winchester Magnum	N90-14210



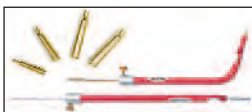
Dillon's Stainless Steel Headspace Case Gages

.223 Remington	N90-13254	\$26.95
.308 Winchester	N90-12867	27.95
.30-06 Springfield	N90-12679	28.95
.380 ACP	N90-15160	15.45
9mm Parabellum	N90-15161	15.45
.38 Super	N90-15158	15.45
.38 Special	N90-15159	15.45
.357 Magnum	N90-15163	15.45
.40 S&W	N90-15164	15.45
10mm	N90-15162	15.45
.44 Magnum	N90-15165	15.45
.45 ACP	N90-15166	15.45
.45 Colt	N90-15167	15.45
.45 GAP	N90-12672	15.45

L. E. Wilson Case Gages, Deburring Tool

.22-250	N90-12718	\$36.00
.243	N90-12828	36.00
.25-06	N90-11760	36.00
.270	N90-11828	36.00
6.5 Creedmoor	N90-12108	36.00
6.8 SPC	N90-19522	36.00
7mm Mag.	N90-12336	46.00
.30-30	N90-12924	36.00
.300 AAC Blackout	N90-19515	36.00
.300 Win. Mag.	N90-11752	46.00
.300 WSM	N90-18709	36.00
.357 SIG	N90-18708	36.00
.38-40 Winchester	N90-10682	36.00
.44-40 Winchester	N90-10697	36.00
.50 Browning MG	N90-14447	60.00
Deburring Tool	N90-16038	\$20.00

Hornady's O.A.L. Gauge and Bullet Comparator



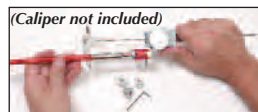
Overall Length Gauge

The initial distance a bullet must travel when fired (from the cartridge case mouth until it engages the rifling) is absolutely critical to achieving peak accuracy.

Straight N90-14622 \$38.95
Curved (for auto, lever and pump rifles) N90-14862 \$39.95

Modified Case (required)
\$6.99 each

.223 Rem.	N90-14627
.22-250	N90-14628
.243 Win.	N90-14631
.270 Win.	N90-14641
7mm Rem. Mag.	N90-14648
.308 Win.	N90-14652
.30-06	N90-14653
.300 Win. Mag.	N90-14655



Bullet Comparator

Correct bullet seating depth is critical to accuracy. In addition, minor variations in bullet seating depth will have an effect on both pressure and velocity.

Bullet Comparator N90-14670 \$16.95

Comparator Insert (required)
\$8.95 each

.22 caliber	N90-14672
.24 caliber	N90-14673
.25 caliber	N90-14674
.26 caliber	N90-14675
.27 caliber	N90-14676
.28 caliber	N90-14677
.30 caliber	N90-14678
.33 caliber	N90-14679
.35 caliber	N90-14680
.37 caliber	N90-14681
.45 caliber	N90-14682

Dillon's Case Preparation Equipment



CV-2001 N90-20493 \$189.95

CV-2001 – The Industry Standard

Dillon's CV-2001 Vibratory Case Cleaner is the largest in the industry. Its 12-1/2 quart bowl capacity will allow you to polish up to 1,300 .38/.357 or 550 .30-06 cases per hour.

Not only is our capacity greater, but our motor is larger in horsepower, internally cooled, thermally protected, and turns on precision ball bearings. This is no "hobby" machine!

The bowl and base are constructed of 7/32" thick injection molded high-strength polypropylene which is impact and abrasion resistant.

Case/Media Separators

After we sold thousands of our famous first generation FL-2000 case cleaners, customers who had purchased them began asking us to address the problem of separating the cleaned and polished brass from the cleaning media.

We knew from the beginning that the simplest method of separating would be a rotating squirrel cage, but we had to find a design we could manufacture economically. Our problem was that it had to be BIG – big enough to handle the entire load of the FL-2000 series case cleaners.

The solution was an injection molded reversible part. Simple, and it works great. Our device is large, 10" x 14", and will hold more than 1,600 .38 Special cases. It sits on a large media collection tub that measures 18" x 22". The tub keeps the mess off the floor and bench.

It's fast – so fast it will remove media from 1500 rounds of .223 brass in a matter of seconds.



CV-750 N90-19455 \$145.95

Limited Work Space?

Dillon's introducing the new CV-750 heavy duty Vibratory Case Cleaner for those with limited space. This new case cleaner uses the same motor as the CV-2001 and is every bit as tough – just more compact. To



CM-2000 Case/Media Separator N90-20675 \$75.95

CM-500 Case/Media Separator N90-21045 \$47.95

accompany the CV-750, the CM-500 does the same job as the larger CM-2000 Case/Media Separator; and, like the CV-750, handles just about half the capacity of the larger unit.

Although scaled down in size, these two pieces of equipment are every bit as tough as their full-sized counterparts. We used the same materials in their construction and designed them to work just as hard – and do it in a more compact area!

Attention European Customers: Case Cleaners are available in 220 volt!

Euro CV-2001 N90-22047 \$214.95
Euro CV-750 N90-19473 \$170.95

All Dillon CV-2001 and CV-750 Vibratory Case Cleaners have a One-Year Warranty on the electric motor.

Rapid Polish



SHINE? You bet your brass! Dillon Precision has developed another exciting new product to make your reloading faster and easier. Rapid Polish 290 is the first cartridge case finish designed specifically to bring a brilliant shine (20 percent brighter than tumbling media alone) and a protective coating to reloaded ammunition. Simply add several capfuls to the media in your tumbler and run.

Rapid Polish 290 has a great residual value and stays in your tumbling media. You'll use less each time you clean your cases.

Rapid Polish 290 contains no ammonia, so it won't weaken brass cases!

Rapid Polish 290

8 oz. bottle. **N90-13804** **\$8.95**
Case (20 pc.) **N90-20255** **135.95**

Case Lube



Rapid Lube 5000, Dillon's aerosol cartridge case lubricant, has been replaced by an "environmentally correct," non-aerosol case lube. It works the same: Simply lay your cases out, spray lightly with one or two passes and you've done it. No mess, no guesswork. Within minutes the lubricant distributes itself around the cartridge cases and you're ready to load. Try a bottle. You'll never use a grease pad again.

D.C.L. Dillon Case Lubricant

8 oz. bottle **N90-13733** **\$8.95**
Case (20 pc.) **N90-20256** **135.95**

Half and Half 10 bottles of polish /10 of lube
Case (20 pc.) **N90-21375** **\$135.95**

Don't Forget Polishing Media!

Crushed walnut hull polishing media – quickly cleans even the dirtiest of cases.

15-pound bag **N90-13287** **\$23.95**

Ground corn cob polishing media – the best there is for that final polish.

10-pound bag **N90-13496** **\$15.95**



This month's cover model is Delia. To see more photos of Delia and other **Blue Press** cover models, you can "follow" us on **Instagram@bluepress** on your smartphone, or go to **www.instagram.com/bluepress** and click "follow."

20 XL 650

STANDARD FEATURES:

- Automatic Indexing
- Uses Standard 7/8" x 14 Dies
- Loading Rate: 500-800 Rds./Hr.
- Comes With One Caliber Conversion
- 5-Station Interchangeable Toolhead
- Automatic Powder Measure
- Automatic Primer System
- Lifetime "No-B.S." Warranty
- **RISK FREE 30-Day Trial!**

All for ONLY...

\$579^{95*}

N90-650

Reloading dies sold separately.

*Prices vary on exotic-caliber machines.



**XL 650 DVD
Instruction Manual
N90-19484 \$19.95**

Total price as pictured here
with optional accessories: **\$1154.55**

Electric Casefeeder	N90-210**	\$224.95
Powdercheck System	N90-21044	\$69.95
.45 ACP Die Set	N90-14404	\$66.95
Strong Mount (550/650)	N90-22051	\$49.95
Roller Handle	N90-17950	\$46.95
Low Powder Sensor	N90-16306	\$41.95
Bullet Tray	N90-22214	\$42.95
Toolholder w/Wrench Set	N90-11555	\$30.95

XL 650 Accessories

A. XL 650 CALIBER CONVERSION KITS

Include shellplate, locator buttons, powder funnel and casefeed adapter parts. Available in most calibers; please specify caliber desired.

(You MAY need a different casefeed plate, see item L.)

N90-XL650 CONVERSION (Specify Caliber) \$78.95*

*(All belted magnums and exotic calibers, \$88.95 ea.)



B. POWDER MEASURE

N90-20782, \$81.95 each

Magnum Rifle Powder Bar

N90-21353, \$31.95 each

X-Small Powder Bar

N90-20780, \$31.95 each

C. POWDER CHECK

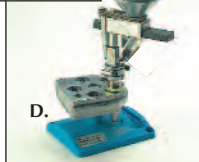
N90-21044, \$69.95 each

Three or more, \$62.95 ea.

D. QUICK CHANGE

Toolhead, TH Stand and Powder Measure

N90-22059, \$112.95



E. PRIMER PICKUP TUBES

Used to transfer primers from flip tray to priming system.

1 Lg. N90-22029 \$7.99

1 Sm. N90-22028 7.99

2 Sm., 2 Lg. N90-20056 24.95

4 Lg. N90-20050 24.95

4 Sm. N90-20049 24.95

F. PRIMER FLIP TRAY

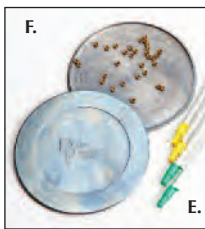
A heavy, high-quality tray large enough for the Federal primer package. N90-13606, \$21.95 ea.



G. TOOLHEAD STANDS

The ultimate in convenience for keeping your reloading bench clean and uncluttered.

N90-22055, \$21.95 each
Three or more, \$19.95 ea.



H. TOOLHEADS

N90-13863, \$29.95 each
Three or more, \$27.95 ea.

I. POWDER DIES

Extra powder dies allow you to move your powder measure from toolhead to toolhead without changing the "belling" adjustment.

N90-20064, \$11.95 each, three or more, \$10.95 ea.

X-Large Powder Dies, N90-21253, \$19.95 each

J. XL 650 PRIMING SYSTEM (Not Pictured)

Small Priming System N90-21065 \$82.95

Large Priming System N90-20982 82.95

DON'T FORGET ONE OF THESE!

Universal Mounting Hardware Kit

N90-14355 \$5.49

1" Bench Wrench N90-10842 7.95

Buy two or more Bench Wrenches for \$7.10 each

800-223-4570 or 480-948-8009 • FAX 480-998-2786

K. CASEFEED ASSEMBLY

Specify large pistol, small pistol, large rifle or small rifle.

\$224.95 (110v),
\$234.95 (Euro. 220v)

L. EXTRA CASEFEED PLATES

\$38.95/49.95



XL 650 Casefeed Assembly

Large pistol (110v) N90-21080 (Euro. 220v) N90-97025

Large rifle (110v) N90-21081 (Euro. 220v) N90-97022

Small pistol (110v) N90-21079 (Euro. 220v) N90-97021

Small rifle (110v) N90-21082 (Euro. 220v) N90-97023

XL 650 Casefeed Plate

Large pistol N90-21072 \$38.95

Large rifle N90-21075 38.95

Magnum rifle N90-18492 49.95

Small rifle N90-21074 38.95

Small pistol N90-21073 38.95

M. MACHINE MAINTENANCE KIT



Everything you need to keep your Dillon loader cleaned and lubricated up to factory specifications. Available in combination with a spare parts kit for your machine.

Maint. Kit & Spare Parts Kit N90-97017, \$40.95

N. SPARE PARTS KIT

1 Priming Station Locator Tab

1 650 Ejector Wire

1 Slide Spring Pin

1 Indexer Spring

1 650 Primer Indexing Arm

1 650 Index Pawl

1 650 Primer Cam

1 650 Ring Indexer

2 Pistol Decapping Pins

1 650 Index Spring Revision A

1 #10 Tinnerman Insert

1 Index Arm Bowed Washer

1 Short Lever Spring

1 Bellcrank Cube

1 3/8" Index Ball

1 Powder Bar Spacer Plug

1 650 Brass Tip Set Screw

4 Locator Pins (#1, #2, #3, #4)

1 5/16" Index Ball

1 Tab/Spring Arm Spring

1 Case Insert Slide Spring

1 650 Pawl Spring

1 Indexing Arm Spring

1 Index Ball Spring



2 Pickup Tube, Small, Yellow Tips
1 650 Tool Head Pin
2 Pickup Tube, Large, Green Tips
1 Primer Cup Spring
2 Retaining Clips
2 650 Shellplate Cap
1 650 Primer Support Shim
1 Case Insert Slide Spring Cap
1 Priming Station Locator Tab Bushing
2 Dispensing Tips, Large
2 Dispensing Tips, Small
1 Failsafe Bushing Revision B
N90-21146, \$26.95

O. EQUIPMENT DUST COVERS

This packcloth nylon machine cover comes equipped with a D-ring, allowing the heavy-duty zipper to be locked.

XL 650 Cover, N90-10443, \$39.95

(P.) Master lock, N90-13083, \$3.95

Quick-Change Cover (for use with powder measure) N90-11143, \$14.95



Q. LOW POWDER SENSOR

Provides an audible and visual reminder when it's time to refill your powder reservoir.

N90-16306, \$41.95

Color Coded Aluminum RL 550/XL 650 Toolheads



Blue RL 550 Toolhead	N90-62132	\$29.95
Black RL 550 Toolhead	N90-62133	29.95
Gold RL 550 Toolhead	N90-62134	29.95
Silver RL 550 Toolhead	N90-62135	29.95
Blue XL 650 Toolhead	N90-62136	34.95
Black XL 650 Toolhead	N90-62137	34.95
Gold XL 650 Toolhead	N90-62138	34.95
Silver XL 650 Toolhead	N90-62139	34.95

Super 1050/RL 1050 Short Trim Die Toolhead



N90-62219
\$224.95

For short rifle cartridges like the .300 Blackout, you must use a Short Trim Die Toolhead when using a Dillon Rapid Trim 1500 Case Trimmer during case preparation. Otherwise, the toolhead is too thick to facilitate the correct case length. This specialty toolhead enables you to correctly trim and prepare short rifle cases on your 1050. (NOTE: the Blue 1050 toolhead stand - Part Number N90-62200, \$49.95 - is not included.)

RAPID ACCESS - DEEP CONCEALMENT - NO COMPROMISE™



The comfort and convenience of pocket carry, now for standard sized pistols. Don't downsize your carry gun, Upgrade your pockets!

- ◆ Extra large front pocket conceals most pistols and revolvers
- ◆ Wide opening for fast one-handed draw
- ◆ Lint-free, snag-free, padded ballistic nylon pocket
- ◆ Relaxed fit for full range of motion



rapid access • deep concealment • no compromise

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Dillon's New Rapid Trim 1500 Case Trimmer ²³



Dillon's RT 1500 shown installed on an XL 650.

The RT 1500 is used just like a standard size die. The big difference is that while you are pushing the case into the die to size it, an electric motor driving a carbide cutter at 4500 RPM is trimming the case to length. Chips are drawn off through a vacuum manifold that clamps to the outside of the special size/trim die. (*Vacuum cleaner and hose not included.*) The RT 1500 is equipped with a

quick-disconnect power cord; and it can be used on any standard reloader, single stage or progressive.

The RT 1500 Case Trimmer **N90-62164** is **\$330.95**. (Available only in 110 volt 60 Hz.) Size/trim dies are sold separately (see chart below). Replacement carbide cutting blades, **N90-13141**, are **\$19.95** each. Upper lock rings, **N90-13559**, are **\$4.99** each.

RT 1500 & 1200B Size/Trim Die Calibers

.204 Ruger	N90-21028	\$59.95
.222 Rem.	N90-21363	59.95
.223 Rem.	N90-20107	51.95
.223 Rem. Carbide	N90-19797	176.00
.220 Swift	N90-21364	59.95
.22-250 Rem.	N90-20110	56.95
.243 Win.	N90-20109	56.95
.25-06 Rem.	N90-21367	59.95
6.5 Creedmoor	N90-62290	59.95
6.5 x 55mm	N90-21495	59.95
.270 Win.	N90-20112	56.95
7mm Rem. Mag.	N90-21366	59.95
.30-30 Win.	N90-20111	56.95
.300 WSM	N90-21029	59.95
.308 Win.	N90-20106	51.95
.308 Win. Carbide	N90-62126	176.00
.30-06	N90-20108	51.95
.30-06 Carbide	N90-62159	226.00
.300 Win. Mag.	N90-21370	59.95
.300 Wby. Mag.	N90-21371	59.95
.303 Brit.	N90-21765	59.95
8 x 57 Mauser	N90-21502	59.95
.338 Win. Mag.	N90-21368	59.95
RT 1500 Motor Only	N90-61500	\$299.95

RT 1500 Short Trim Dies

NOTE: The following dies MUST be used with a Short Trim Die Toolhead.

.300 Blk Carbide	N90-62140	\$176.00
6.8 SPC	N90-62238	\$59.95
7.62 x 39	N90-62237	59.95



Short Trim Die Toolheads

RL 550	N90-62231	\$38.95
<i>(Includes modified vacuum manifold.)</i>		
XL 650	N90-62112	34.95
RL/Super 1050	N90-62219	224.95
<i>(Not pictured, see Page 22.)</i>		

RT 1200B Trim Dies

NOTE: Not compatible with the RT 1500.

6.8 SPC (trim die)	N90-16391	\$59.95
7.62 x 39 (die)	N90-16390	59.95

MILITARY BRASS?

Eliminate the "Grunt Work" with Dillon's Super Swage 600

Until now, reusing military brass, with its crimped primer pockets, has been a tedious task. The Dillon solution is a remarkably simple device that bolts to your bench and allows you to swage the primer pockets with speed and ease. The case is supported from the inside, so you won't be tearing the rims off the brass. A tool steel, hardened swage rod (easy to change from large to small primers) simply rolls the crimp away. No reaming is necessary. Our unique compound cam leverage system assures not only ease of operation, but perfect alignment with each and every round. Sound simple? It is and it works. What's more, it's inexpensive. The Super Swage 600 comes with large and small swage rods.

6.8 SPC Back-Up Rod	N90-62124	\$20.95
9mm Adaptor	N90-62168	14.95
.40 S&W Adaptor	N90-62169	14.95

N90-20095
\$103.95



Open 7-6 MST, M-F; 8-3 Sat. • VISA, MasterCard, Discover, C.O.D. • Shipping and HazMat Not Included

Dillon Leather b



El Raton-DL

\$50

This pocket holster secures and properly positions a J-Frame revolver in your pocket. Will not come out when you draw.

2" J-Frame S&W Revolver

N90-18843

Sport EXP-DL

\$98

The Sport™ holster is a straight-drop design featuring a tunnel loop and rear stabilizing slot. This is an all-around holster suited to field use, "practical" competition, and some prefer it for daily carry. Slim profile, straight drop, close to the body.

S&W 4" K-Frame Revolver	N90-19372
S&W 4" Lugged Barrel L-Frame Revolver	N90-19373
S&W 4" Light Barrel N-Frame Revolver	N90-19374
S&W 4" Lugged Barrel N-Frame Revolver	N90-19375
S&W 5" Lugged Barrel N-Frame Revolver	N90-19376

Best-Quality Belt-DL

\$70

Simply the best GUN BELT you have ever owned. Full, double-thickness leather with solid brass buckle and hardware.

1.5" Gun Belt

32" Waist	N90-18859
34" Waist	N90-18860
36" Waist	N90-18861
38" Waist	N90-18862
40" Waist	N90-18863
42" Waist	N90-18864
44" Waist	N90-18865

1.25" Gun Belt

32" Waist	N90-18873
34" Waist	N90-18867
36" Waist	N90-18868
38" Waist	N90-18869
40" Waist	N90-18870
42" Waist	N90-18871
44" Waist	N90-18872



by Mitch Rosen!



When we lost our supplier for Dillon Leather, we considered abandoning the gunleather business. Fortunately, we were able to team up with Mitch Rosen Extraordinary Gunleather to continue to offer a best-quality, made-in-the-USA line of belts and holsters. We know you'll like these products – we're happy to have our name on them.

5JR-DL

\$75

A full-length belt slide that offers all-day comfort and superior concealment for an outside-the-pants belt holster.

Beretta 92	N90-18817
Colt Government Model	N90-18810
Colt Commander	N90-18811
Colt Officers	N90-18812
GLOCK 17, 22, 31	N90-18813
GLOCK 19, 23, 32	N90-18814

GLOCK 26, 27, 33	N90-18815
GLOCK 20, 21	N90-18816
SIG P220, P226	N90-18818
SIG P228, P229	N90-18827
S&W Military & Police 9mm/.40 Auto	N90-19011
S&W Military & Police SHIELD™	N90-12241
S&W 2" J-Frame Revolver	N90-18820
Springfield Armory XD 4"	N90-18825
Springfield Armory XD 5"	N90-18874
Springfield Armory XD-S	N90-12236
Ruger 2.25" SP-101 Revolver	N90-18828

Tuff Products Mag Pouches



Tuff Products Magazine Pouches are the most versatile we've ever seen. They can be worn on a belt or attached to anything that has a MOLLE fastener system. Available in black or coyote brown.

Black 8-Magazine Single-Stack (1911)	N90-19854	\$39.95
Brown 8-Magazine Single-Stack (1911)	N90-19855	39.95
Black 5-Mag. Double-Stack (9/.40 GLOCK)	N90-19856	39.95
Brown 5-Mag. Double-Stack (9/.40 GLOCK)	N90-19857	39.95
Black 5-Mag. AR-15 (5.56) Pouch	N90-15111	50.00
Brown 5-Mag. AR-15 (5.56) Pouch	N90-15112	50.00

Tuff Products Stock Saddle



Tuff Products 4014 Butt Stock Saddle features EZ-adjust straps, a loop lined pocket, zippered side compartment and holds six .223/5.56/.308/7.62 rifle cartridges.

Black	N90-43389	\$47.25
Coyote Brown	N90-43390	47.25

Dillon's Concealed Carry Tote

Dillon's NEW Concealed Carry Tote accommodates all the tools you need to survive the urban jungle. This low-profile carry case looks like an ordinary briefcase or laptop case, but it's designed for your pistol as well as your PC! It's made of rugged nylon fabric, with heavy-duty zippers on all compartments. The main compartment is 15" x 11.5" x 3" deep, with pouches in back and front. The hidden gun pocket is held closed with hook & loop fasteners for quick access, has a 14.5" opening and is 10.5" deep. The two front pockets are 6.5" x 8" x 1.5" and feature inner pockets for flat items. There is also a zippered compartment on the back of the case sized to accommodate a ballistic armor plate.



Mernickle

Conceal-Carry Performance Series

Conceal-Carry Performance Series revolver holsters can be worn strong side, appendix carry or cross draw and are fully molded. Auto holsters are strong-side only.

- 4-3/4" SA Colts/clones **N90-11560**
- 4-5/8" Ruger Blackhawk **N90-15765**
- Ruger LCR **N90-29030**
- 2" J-Frame S&W Rev. **N90-15764**
- GLOCK 17/22 **N90-62277**
- GLOCK 19/23 (pictured) **N90-62278**
- 5" 1911 **N90-62279**
- 4" 1911 **N90-62288**



Mernickle's "Wild Bunch" 1911 Holster/Mag Pouch

This holster/mag pouch combination was designed specifically for the Single Action Shooting Society's "Wild Bunch" category of Cowboy Action Shooting, incorporating a holster and mag pouch that look like they were made at the turn of the century, yet feature state-of-the-art speed and accuracy. The holster is hard molded so as not to lose its shape even after thousands of draws. It spaces the pistol's grip frame away from your body so you'll get a full combat grip, and the holster includes

the T-nut lock system to ensure that it stays in place during a draw.

The mag pouch spaces the magazines so when you grab one mag, the second isn't in your way; above the belt line so the belt doesn't interfere with the draw; and at the max depth required by the sport – and no more – so you'll get a full grip and the ability to index with your forefinger for a rapid mag well insert.

- 1911 Holster **N90-19947 \$139.95**
- Mag Pouch **N90-19946 44.95**



IHL Hammerhead Shark

1911 Slide N90-19230 \$139.95
 1911 Pouch N90-19231 89.95



IHL Belt Slide

Colt Gov't, Black N90-16468 \$55.95
 Sm. GLOCK, Black N90-16469

IHL Speed Strip Wallet

.38/.357 6-rd. N90-18308 \$30.95
 .38/.357 8-rd. N90-18987 30.95
 .44/.45 6-rd. N90-18988 30.95
 .410 Ga. 6-rd. N90-18990 34.95
 .500 S&W 6-rd. N90-18989 30.95



IHL Ltd. Class Holster

Colt Gov't, Black N90-16456 \$109.95
 Colt Gov't, Brown N90-14348
 Colt Com, Black N90-16886
 Colt Ofcr's, Black N90-16887
 GLOCK 17, Black N90-16891
 GLOCK 19, Black N90-16890



IHL Solo Mag Pouch

Single Stack, Black N90-16446 \$39.95
 Single Stack, Brown N90-13145
 Double Stack, Blk. N90-16447



THE WILDERNESS TACTICAL PRODUCTS

The Wilder-
 ness' Original Instructor

Belt is an incredibly strong belt with a specially designed "V" ring buckle. Imitation is the sincerest form of flattery, and the marketplace is full of copies of this belt, but none can compare to the original. This belt is a favorite with law enforcement, military personnel, fire-



fighters, paramedics, etc. Note: The 1.75" belt works best with BDUs or jeans. The 1.5" belt features a scaled-down buckle.

Measured Waist	1.5" Belt	1.75" Belt	
32" Waist	N90-10965	N90-10253	\$54.95
34" Waist	N90-10966	N90-10128	54.95
36" Waist	N90-10967	N90-10129	54.95
38" Waist	N90-10968	N90-10130	54.95
40" Waist	N90-10969	N90-10131	54.95
42" Waist	N90-10970	N90-10132	54.95
44" Waist	N90-10971	N90-10133	59.95
46" Waist	N90-10972	N90-10889	59.95

BLADETECH Special Purchase!

The folks at Blade-Tech made these holsters for a firearms manufacturer's special order, and these are the overruns. They'll accommodate 1911s with or without accessory rails, and come with the hardware to adapt for IWB or OWB wear.

N90-13079 \$19.95



DeSantis Clip-Grip®

This replaces the grips on S&W J-Frame round butt revolvers. A hook on the right grip panel functions as stopping point for the revolver when tucked into your waistband.

N90-19371 \$29.99



BLADE-TECH™

“Signature” OWB Holster

Over the last 21 years Blade-Tech has been dedicated to perfecting the OWB holster. In collaboration with industry leading polymer experts, Blade-Tech created an incredibly strong proprietary blend of polymers, that allowed them to precision mold the “Signature OWB holster” with extreme accuracy for a perfect fit every time! Features a positive lock trigger guard, adjustable retention screws and Tek-Loc™.

Colt 1911 R/NR (rail or no rail)	N90-40148	\$29.99
GLOCK 17/22	N90-40140	29.99
GLOCK 19/23	N90-40139	29.99
GLOCK 20/21	N90-40142	29.99
GLOCK 34/35	N90-40141	29.99
Smith & Wesson 4” M&P	N90-40149	29.99
Springfield 4” XD/Mod 2 9/40	N90-40143	29.99
Springfield 5” XD/Mod 2 9/40	N90-40144	29.99
Springfield 4.5” XDM	N90-40145	29.99
Springfield 5.25” XDM	N90-40146	29.99
STI Edge	N90-40147	29.99



Klipt IWB Holster

The Klipt Appendix “Inside the Waist-band” holster is an ideal way to conceal and securely carry a small- or medium-frame auto or J-frame revolver. Your firearm locks securely into the holster with the signature Blade-Tech click.



GLOCK 42	N90-43396	\$29.99
GLOCK 43	N90-43398	29.99
Ruger LC9	N90-43394	29.99
S&W J-Frame Revolver	N90-43397	29.99
S&W M&P Shield	N90-43395	29.99
Springfield XDS	N90-43393	29.99



BLADE-TECH 1.5” Inner/Outer Hook & Loop Belt

32”	N90-12242	\$59.99
34”	N90-12243	59.99
36”	N90-12245	59.99
38”	N90-12246	59.99
40”	N90-12247	59.99
42”	N90-12249	59.99
44”	N90-12251	59.99
46”	N90-12253	59.99
48”	N90-12255	59.99



Single Mag	\$19.99 ea.
1911	N90-40150
Sm. GLOCK	N90-40151
Lg. GLOCK	N90-40152
Dbl. Stack 9/40	N90-40153
Dbl. Stack .45	N90-40154

Double Mag	\$26.99 ea.
1911	N90-40155
Sm. GLOCK	N90-40156
Lg. GLOCK	N90-40157
Dbl. Stack 9/40	N90-40158
Dbl. Stack .45	N90-40159

Quad Mag	\$39.99 ea.
1911	N90-40026
Sm. GLOCK	N90-40027
Dbl. Stack 9/40	N90-40028

AR-15 Single Tek-Loc™ Mag Pouch	N90-40034 \$29.99
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AR-15 Double Tek-Loc™ Mag Pouch	N90-40033 \$54.99
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Blade-Tech Holster/Mag Pouch Hardware (left to right)

Large Tek-Loc™ Universal Belt Clip w/Hardware	N90-40029	\$8.95
Tek-Loc™ Dropped Offset Holster Attachment	N90-40016	19.99
Dropped Offset Holster Belt Loop Attachment	N90-40017	19.99
Mini Tactical Modular Mount System w/Hardware	N90-39920	24.99

SAFARILAND Holsters

**Safariland
Custom Fit
567**



**Safariland
Model
6377
ALS™**



Safariland Custom Fit 567 Holsters

The Model 567 Custom Fit holster is one of the lightest, thinnest, best fitting concealment holsters available. True to its name, it adjusts to a wide variety of popular handguns, giving each a "custom fit" in this holster.

4" K & L-Frame S&W, Ruger, and Colt Revolvers	N90-19262	\$43.95
4" N-Frame S&W Revolvers	N90-19263	43.95
5" N-Frame S&W Revolvers	N90-19264	43.95
Beretta Compact, Taurus Compact, CZ-75, Colt Commander Model	N90-19265	43.95
Beretta, Taurus, Browning HP, Colt 1911	N90-19266	43.95

Colt Officers' Model, GLOCK 19/23, SIG P228, HK USP Compact 9/40
N90-19267 43.95
 GLOCK 17, 20, 21, 22, HK USP 9/40, Ruger P Series, SIG P220

N90-19268 43.95

Safariland Model 6377 ALS™ Holsters

The Model 6377 is a concealment version of the all new Automatic Locking System series holster. Once the weapon is holstered, it locks into place, providing an extra measure of security from the standard open-top holster.

Colt 1911	N90-40072	\$39.95
GLOCK 17/22	N90-19444	39.95
GLOCK 20/21	N90-19443	39.95
GLOCK 34/35	N90-40073	39.95
SIG 220/226	N90-19446	39.95
SIG 220/226 with Accessory Rail (no light)	N90-19447	39.95
SIG 228	N90-19445	39.95
S&W M&P 9/40	N90-19448	39.95
Springfield 4" XD 9/40	N90-40074	39.95
Springfield 5" XD 9/40	N90-40075	39.95
Springfield XDM 9mm	N90-40076	39.95
Springfield XDM .40	N90-40077	39.95

Comp-Tac Holsters



Comp-Tac QB

The QB can be worn as a concealed carry or competition holster. Can be worn left or right handed, has cant adjustability and a high quality Push-Button mount that is easy on, easy off and can be locked for security by sliding the button horizontally. Mount also allows for belt-width adjustment.

QB Size 1 fits: GLOCK 9/40/.357 all lengths, GLOCK 41, GLOCK 36; S&W M&P 9/40/.357 all lengths (not Shield); Walther PPQ/M2 all lengths **N90-43380 \$49.95**

QB Size 2 fits: CZ P07, P09; HK VP40, P30, P30L, P30SK, USPs full size and compact, P2000; Ruger American, Ruger SR9 full size and compact; S&W M&P .45s (not Shield); Springfield XD/XDM/Mod 2 all lengths and calibers; GLOCK 20/21 all versions, GLOCK 40; SIG 250 all lengths, with and without rail, all calibers, SIG 320 all lengths, all calibers, SIG 226 all versions, SIG 229 all versions; Taurus all .45 Millennium and Millennium Pro; Walther PPQ .45 **N90-43381 \$49.95**

QB Size 3 fits: GLOCK 43; Springfield XD-S; S&W Shield; Walther PPS; Walther CCP **N90-43382 \$49.95**

QB Size 4 fits: 1911s – Colt, Kimber, Springfield including TRP Half and Full Rail, SIG 1911s, all Mil-Spec 1911s **N90-43383 \$49.95**



Comp-Tac IDPA Revolver Competition Holster

4" K-Frame S&W Revolvers	N90-13029	\$64.99
4" L-Frame S&W Revolvers	N90-13032	64.99
2.5" N-Frame S&W Revolvers	N90-13035	64.99
4" N-Frame S&W Revolvers	N90-13038	64.99



Comp-Tac USPSA Revolver Competition Holster

6" K-Frame S&W Revolvers	N90-13030	\$64.99
6" L-Frame S&W Revolvers	N90-13033	64.99
5" N-Frame S&W Revolvers	N90-13043	64.99
6.5" N-Frame S&W Revolvers	N90-13044	64.99

SUPER 1050

STANDARD FEATURES:

- Loading Rate: 1000-1200 Rds/Hr
- High Strength Ductile Iron Frame
- Swages Military Primer Pockets
- Automatic Indexing
- Automatic Casefeeder
- Automatic Primer System
- Automatic Powder Measure
- Factory Adjusted Reloading Dies
- **RISK FREE 30-Day Trial!**

\$1799^{95*}

*Prices vary on exotic-caliber machines.



Super 1050 DVD
Instruction Manual
 N90-19485 \$19.95



SUPER 1050 Stock Numbers

.380 ACP	N90-21135
9mm Parabellum	N90-21067
.38 Super	N90-21132
.38 Super Comp	N90-21069
.38 Special	N90-21136
.357 Magnum	N90-21137
.40 S&W	N90-21070
10mm	N90-21138
.41 Magnum	N90-21139
.44 Special	N90-21140
.44 Magnum	N90-21141
.45 ACP	N90-21061
.45 Colt	N90-21133
.223 Remington	N90-21130
.223 Rem./Carbide \$1873.95*	N90-21131
.308 Winchester	N90-21058
.308 Win./Carbide \$1881.95*	N90-21068

(See Page 31 for more caliber listings.)

Total price as pictured here
 with optional accessories: \$1954.80

Powdercheck System	N90-21044	\$69.95
Low Powder Sensor	N90-16306	\$41.95
Bullet Tray	N90-22215	\$42.95

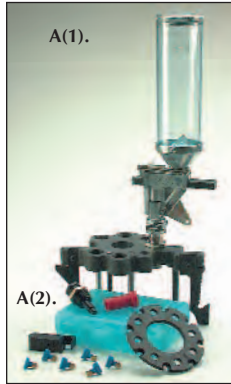
1050 Accessories

A(1). QUICK-CHANGE TOOLHEAD CONVERSION

Includes:

- Toolhead
- Powder Measure

N90-21393, \$276.95



A(2). CALIBER CONVERSION

Includes:

- Shellplate
- Locator Buttons
- Swage Backup Rod/Expander
- Casefeed Adapter
- Casefeed Plunger
- Powder Funnel



Pistol Calibers

	Conversion#/Price	Machine#/Price
.32 ACP	#20633/\$126.95	#21162/\$1799.95
.32 S&W Long	#20634/\$126.95	#21134/\$1799.95
.32 H&R Magnum	#20634/\$126.95	#21134/\$1799.95
.380 ACP	#20483/\$126.95	#21135/\$1799.95
9mm Parabellum	#20482/\$126.95	#21067/\$1799.95
.38 Super	#20484/\$126.95	#21132/\$1799.95
.38 Super Comp	#21057/\$126.95	#21069/\$1799.95
.38 Special	#20477/\$126.95	#21136/\$1799.95
.357 Magnum	#20477/\$126.95	#21137/\$1799.95
.357 SIG	#20068/\$126.95	#21127/\$1829.95*
.38-40 Winchester	#21160/\$126.95	#21158/\$1799.95
.40 S&W	#20545/\$126.95	#21070/\$1799.95
10mm	#20788/\$126.95	#21138/\$1799.95
.41 Magnum	#20478/\$126.95	#21139/\$1799.95
.44 Special	#20479/\$126.95	#21140/\$1799.95
.44 Magnum	#20479/\$126.95	#21141/\$1799.95
.44-40 Winchester	#21161/\$126.95	#21159/\$1799.95
.45 GAP	#21010/\$126.95	#21002/\$1799.95
.45 ACP	#20480/\$126.95	#21061/\$1799.95
.45 Colt	#20481/\$126.95	#21133/\$1799.95
.475 Linebaugh	#20833/\$163.95	call
.480 Ruger	#20833/\$163.95	call
.500 S&W Magnum	#20834/\$163.95	#20428/\$1864.95*

Rifle Calibers

	Conversion#/Price	Machine#/Price
.223 Remington	#20485/\$126.95	#21130/\$1799.95
.223 Rem./Carbide		#21131/\$1873.95*
22-250	#21055/\$144.95	#21129/\$1799.95
.243 Winchester	#21054/\$144.95	#21126/\$1799.95
6.8 SPC	#20468/\$144.95	#21156/\$1849.95*
.270 Winchester	#21053/\$144.95	#18491/\$1799.95
.30 Carbine	#20626/\$144.95	#21142/\$1814.95*
7.62x39	#20631/\$163.95	#21144/\$1849.95*
.30-30 Winchester	#21052/\$144.95	#21003/\$1799.95
.300 WSM	#20466/\$173.95	#21110/\$1864.95*
.303 British	#21051/\$126.95	#21060/\$1799.95
.308 Winchester	#21049/\$144.95	#21058/\$1799.95
.308 Win./Carbide		#21068/\$1881.95*
.30-06 Springfield	#21050/\$206.95	#21059/\$1864.95*
.30-06 Sp./Carbide		#62178/\$2014.95*
.45-70 Government	#21056/\$177.95	#21064/\$1909.95*

A(3). 1050 PRIMER SYSTEM

Large primer system conversion **N90-20476 \$111.95**

Small primer system conversion **N90-20419 111.95**

A(4). EXTRA CASEFEED PLATE

Large pistol **N90-21072 \$38.95**

Large rifle **N90-21075 38.95**

Small rifle **N90-21074 38.95**

Small pistol **N90-21073 38.95**

1050 POWDER MEASURE N90-20421 \$86.95

1050 TOOLHEAD N90-20420 \$200.95



B. BUSHING DRIVER

N90-20341, \$12.95 ea.

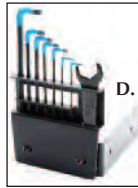
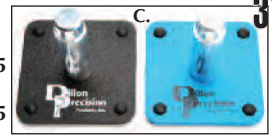
C. TOOLHEAD STAND

Black

N90-62201, \$49.95

Blue

N90-62200, \$49.95



D. 1050 TOOLHOLDER

Keeps the tools you need handy and organized! Wrenches included.

With bracket **N90-62202, \$34.95**

W/O bracket **N90-62203, \$30.95**

Ball End Dipped Wrench Set

N90-62161, \$18.95

E. PRIMER PICKUP TUBES

Used to transfer primers from flip tray to priming system.

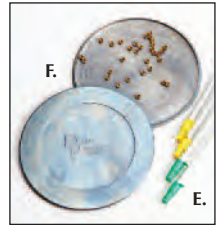
1 Lg. **N90-22029 \$7.99**

1 Sm. **N90-22028 7.99**

2 Sm., 2 Lg. **N90-20056 24.95**

4 Lg. **N90-20050 24.95**

4 Sm. **N90-20049 24.95**



F. PRIMER FLIP TRAY

A heavy, high-quality tray large enough for the Federal primer package. **N90-13606, \$21.95 ea.**



G. MACHINE COVER

This nylon cover adds security to your loading bench. Comes equipped with a D-ring, allowing the heavy-duty zipper to be locked.

N90-13239, \$39.95

H. Master lock, N90-13083, \$3.95



I. BULLET TRAY

Designed for "economy of motion" when loading.

N90-22215, \$42.95



J. SPARE PARTS KIT

1 Super 1050 Spring Bushing

1 Cam Guide Bolt 1/4-20

1 Super 1050 Toolhead Spring

1 Priming Station

Retaining Tab

1 Ratchet Restriction Tab

4 Lock Ring Inserts

3 Pistol Decapping Pins

2 #10 Tinnerman Inserts

1 1/4" E-Clip

- 3 Bellcrank Cubes
 - 2 Primer Punch Springs
 - 2 1/4-20 3/8 BH Screws
 - 4 Locator Pins (#1, #2, #3, #4)
 - 1 Tab/Spring Arm Spring
 - 2 Pickup Tube Tips, Small, Yellow
 - 2 Magazine Orifices, Large, Red
 - 2 Pickup Tube Tips, Large, Green
 - 2 Magazine Orifices, Small, Blue
 - 2 Retaining Clips
 - 1 Slide Roll Pin Sleeve
 - 2 Dispensing Tips, Small
 - 2 Dispensing Tips, Large
- N90-20779, \$34.95**

K. MACHINE MAINTENANCE KIT



Everything you need to keep your Dillon loader cleaned and lubricated up to factory specifications. Available in combination with a spare parts kit.

Maint. Kit & 1050 Spare Parts Kit N90-97018, \$47.95

Range Bag



Dillon's Range Bag is designed to hold the Border Shift Ammo Bag (sold separately below), as well as a Dillon Large Utility Box (see Page 64). The Main Compartment is 12.5" long x 7" wide x 10" high, the End

Pockets are 8.5" tall x 6.5" wide x 2" deep and the Front Pocket is 9" tall x 6" wide x 2" deep.

Range Bag, Black	N90-19366	\$89.95
Pistol Pouch, Black	N90-17027	10.95

'Border Shift' Ammo Bag

Dillon's two-compartment ammo bag is constructed with a flexible inner liner that will allow the entire volume to be accessible from either zippered opening. You'll never again mix fired brass with loaded rounds!



Black Ammo Bag	N90-13755	\$25.95
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I.D. Card Holder
N90-14575 \$2.95



Dillon's Shooting Mat

Dillon's shooting mat is made of tough ballistic-weave nylon fabric, with a large skid-resistant elbow pad area. The "ground" side is moisture resistant and wipes clean easily. The padding is dense, closed-cell foam to provide both shooter comfort and a stable shooting base. The mat is equipped with a shoulder strap, a carry handle and two straps with snap-release buckles. *Dimensions: 66" x 27.75"*

N90-18146	\$65.00
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ANNOUNCING: Mr. Bulletfeeder® by Double-Alpha

Mr. Bulletfeeder has been around for some years now, and has gained a huge following worldwide. The patented system is by far the best performing personal-use bullet feeder on the market, and has been, since its introduction in 2006. Double-Alpha Academy has teamed up with RAK Systems, the original designer and patent holder of the system, to redesign and streamline the product, making it more compact, more versatile, better looking and more affordable than ever before.

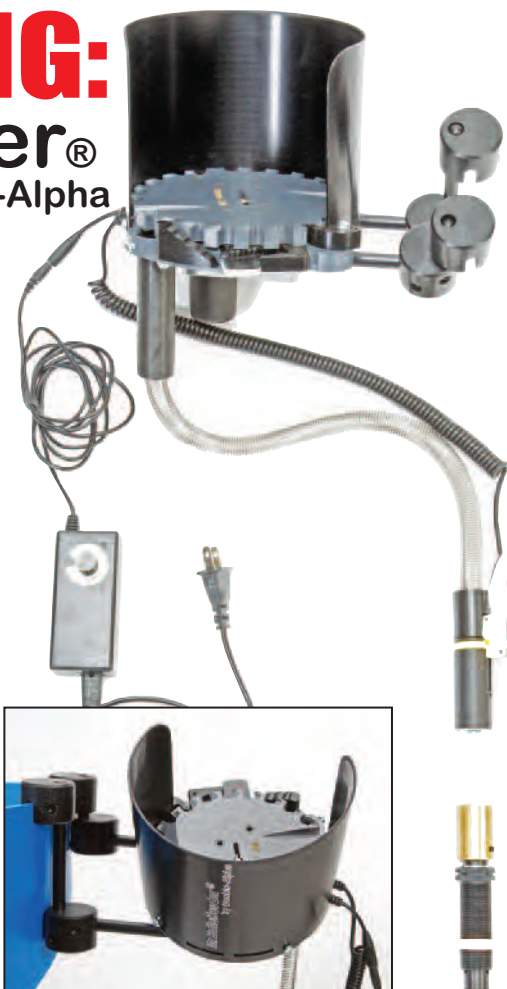
The Mr. Bulletfeeder by Double-Alpha is now a production-grade product, with Double-Alpha Academy – a world leader in practical-shooting-related product manufacturing and distribution – at the helm. The design allows the bullet collar to be mounted onto the case-feeder, eliminating any increased footprint and space use, and the new patent-pending dropper is a huge step forward in design, durability and reliability.

Mr. Bulletfeeder (Comes Set Up in One Caliber)

9mm	N90-15145	\$469.95
.40 S&W/10mm	N90-15146	469.95
.45 ACP	N90-15148	469.95
.223 Rem./5.56 NATO	N90-15150	493.95
.30 cal./7.62mm	N90-15153	499.95
6.5mm	N90-15154	499.95

Mr. Bulletfeeder Caliber Conversions

9mm	N90-15168	\$149.95
.40 S&W/10mm	N90-15169	149.95
.45 ACP	N90-15170	149.95
.223 Rem./5.56 NATO	N90-15171	169.95
.30 cal./7.62mm	N90-15172	182.95
6.5mm	N90-15173	182.95



Mr. Bulletfeeder® Replacement Parts & Spares



Having separate Bullet Dropper Dies allows you to quickly swap toolheads of the same caliber sizes without having to remove and readjust the bullet dropper die.



The Output Tube Assembly is what connects the Mr. Bulletfeeder by DAA's collar to the dropper. It feeds the bullets into the dropper, keeping them aligned and feeding smoothly. The Small Output Tube Assembly is required for the rifle calibers (both .223 and .308) as well as when loading very short, light 9mm bullets, such as many of the 90-grain bullets available. The Large Output Tube Assembly is required when loading 9mm (over 115-grain bullets), .40, or 45.



Use a spacer? This four-pack of Nose Guide Spacers is identical to what comes with the Mr. Bulletfeeder. These are used to adjust the height of bullets, so they don't spill out or flip upside-down.

Mr. Bulletfeeder Replacement Bullet Dropper Dies

9mm	N90-10218	\$94.95
.40 S&W/10mm	N90-10219	94.95
.45 ACP	N90-10220	94.95
.223 Rem./5.56 NATO	N90-10221	94.95
.30 cal./7.62mm	N90-10236	94.95

Mr. Bulletfeeder Replacement Output Tube Assemblies

Small Output	N90-10238	\$34.95
Large Output	N90-10239	34.95
Mr. Bulletfeeder Replacement Nose Guide Spacers		
Set of Four	N90-10237	\$2.95

Dillon's Pistol Die Sets

Size Die

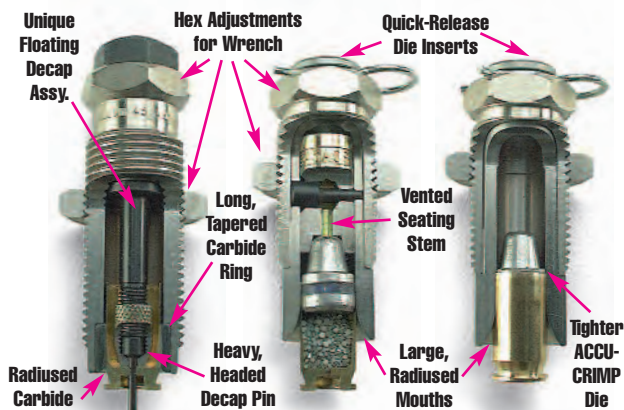
- Floating Decap Assembly Eliminates Primer "Draw Back"
- Long, Tapered Carbide Ring
- Radiused Opening Makes Progressive Loading Smoother

Seat Die

- Reversible Seating Stem Makes it Easy to Change Bullet Styles

Crimp Die

- Quick Disassembly, Easy to Clean



Sizing/Depriming Die

Our sizing/depriming dies feature a unique "floating decap assembly" with a snap spring that throws the spent primer off the pin and eliminates the problem of primer "draw back" that often occurs when decapping military brass. The primary feature of Dillon's size die design – the long, tapered carbide ring with a radiused opening – remains unchanged.

That radiused opening, and its importance to progressive reloading, is one of the reasons why our seat and crimp dies are better. We found a way of manufacturing these dies that has enabled us to make the lead-in radius even bigger! The bigger radius makes progressive loading with our equipment even smoother – but that's still only a part of the story.

Bullet Seating Die

Our quick-disassembly seat die allows the user to disassemble and clean the seat die without losing adjustment. In this manner, bullet lube and shavings can be quickly removed from the die, thereby guaranteeing a constant seating depth. We've incorporated a "flip-flop" seating stem and a clip that enables you to remove the die insert and change the seating stem from round nose to semi-wadcutter without unscrewing a seating stem out of the die body. We've always included both types of seating stems, but the new double-ended design makes it a simple matter to remove a pin, reverse the seating stem, make any minor seating depth adjustments that may be necessary and go on loading in a fraction of the time it used to take.

Crimp Die

We've made it easy for you to remove the die insert for cleaning without having to change the critical crimp adjustment. Once your crimp die is set for the proper amount of crimp, you'll never have to change it. This is especially good news for all of you who load lead bullets! Before, you had to unscrew the die from the tool-head and disassemble the die in order to remove any bullet lube or lead residue. Then, you had to start from square one to re-adjust the crimp. Those days are over. All you have to do now is pop a clip and the die insert drops into your hand for cleaning.

NOTE: All Dillon Pistol Die sets include our sizer/decap die, seat die and a separate crimp die. (Taper crimp for autos; accu-crimp for revolvers.)

Dillon Pistol Dies (Three-Die Sets)

.32 S&W Long/.32 H&R Mag.	N90-14426	\$66.95
.380 ACP	N90-14401	66.95
9mm Parabellum	N90-14406	66.95
9x25 Dillon	N90-14601	139.95
.357 SIG	N90-22083	139.95
.38 Super	N90-14399	66.95
.38 Special/.357 Magnum	N90-14400	66.95
10mm/.40 S&W	N90-14398	66.95
.41 Magnum	N90-14402	66.95
.44 Special/.44 Magnum	N90-14403	66.95
.45 ACP/.45 GAP	N90-14404	66.95
.45 Colt	N90-14405	66.95

Dillon Carbide Size/Deprime Dies

.32 S&W Long/.32 H&R Mag.	N90-14119	\$33.95
.380 ACP	N90-14410	27.95
9mm Parabellum	N90-14415	27.95
9x25 Dillon	N90-14602	105.95
.357 SIG	N90-16513	105.95
.38 Super	N90-14408	27.95
.38 Special/.357 Magnum	N90-14409	27.95
10mm/.40 S&W	N90-14407	27.95
.41 Magnum	N90-14411	27.95
.44 Special/.44 Magnum	N90-14412	27.95
.45 ACP/.45 GAP	N90-14413	27.95
.45 Colt	N90-14414	27.95

Dillon Seating Dies

.32 S&W Long/.32 H&R Mag.	N90-14106	\$25.95
.380 ACP	N90-14419	25.95
9mm Parabellum	N90-14424	25.95
9x25 Dillon	N90-14603	28.95
.357 SIG	N90-16515	28.95
.38 Super	N90-14417	25.95
.38 Special/.357 Magnum	N90-14418	25.95
10mm/.40 S&W	N90-14416	25.95
.41 Magnum	N90-14420	25.95
.44 Special/.44 Magnum	N90-14421	25.95
.45 ACP/.45 GAP	N90-14422	25.95
.45 Colt	N90-14423	25.95

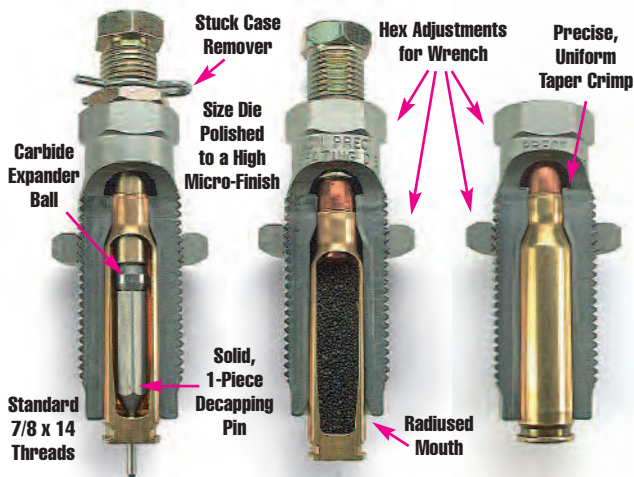
Dillon Crimp Dies

.32 S&W Long/.32 H&R Mag.	N90-14107	\$24.95
.380 ACP	N90-14438	24.95
9mm Parabellum	N90-14443	24.95
9x25 Dillon	N90-14604	27.95
.357 SIG	N90-16514	27.95
.38 Super	N90-14436	24.95
.38 Special/.357 Magnum	N90-14437	24.95
10mm/.40 S&W	N90-14435	24.95
.41 Magnum	N90-14439	24.95
.44 Special/.44 Magnum	N90-14440	24.95
.45 ACP/.45 GAP	N90-14441	24.95
.45 Colt	N90-14442	24.95

Spare Decapping Pins

Package of 10	N90-21528	\$5.75
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Dillon's Rifle Die Sets



Dillon Three-Die Rifle Die Sets include a sizing/depriming die, a bullet seating die and a taper crimp die. Dillon Two-Die Rifle Die Sets include a sizing/depriming die and a seat/crimp die.

Sizing/Depriming Die

The sizing/depriming die is full-length, to minimum tolerances, sizing cases down to function in semi- and full-automatic firearms. We strongly suggest that a head-space case gage be used to correctly adjust the size die.

For high volume users, such as commercial reloaders, law enforcement agencies, and high power or service rifle competitors, we also offer .223 and .308 die sets with a full-length carbide sizing die. Lubrication is still required, but the increased scratch resistance and die longevity of carbide are of great benefit to these groups of users.

The depriming assembly includes a carbide expander ball for "squeak-free," effortless neck expansion. This expander ball is located in the middle of the depriming stem to take advantage of superior initial leverage for easier extraction.

In the event of a stuck case, the design of the depriming assembly allows it to function as a stuck case remover.

Bullet Seating Die

Our bullet seating die is internally designed to keep the bullet straight throughout the seating process. Once properly adjusted, the only measurable runout will be that which is inherent in the bullet.

Taper Crimp Die

The taper crimp die is also specially configured to center both the case neck and the case body, thereby aligning the entire cartridge for a more uniform crimp. Dillon Rifle Dies are designed to meet the more rigid requirements for both accuracy and precision demanded by today's marksman.

A taper crimp die is preferred for loading ammunition intended to be used in semiautomatic firearms with detachable box magazines, and in lever-action firearms with tubular magazines.

Size Die

- Full-length, to minimum tolerance
- Carbide expander ball
- Features stuck case remover

Seat Die

- Designed to hold bullet straight throughout the seating process

Taper Crimp Die

- Centers case neck and body for a more uniform crimp

Dillon Rifle Dies (Three-Die Sets)

.223 Remington	N90-10839	\$68.95
.308 Winchester	N90-15574	68.95
.30-06 Springfield	N90-10840	68.95

Dillon Carbide Rifle Dies (Three-Die Sets)

.223 Remington	N90-10096	\$164.95
.30 M1 Carbine	N90-62128	105.95
.300 AAC Blackout	N90-62114	173.95
.308 Winchester	N90-10793	170.95
.30-06 Springfield	N90-62151	276.95

Except where noted, die sets include three dies: carbide size/decap, a seater and a separate crimp die. PLEASE

NOTE: Carbide rifle dies still require case lubrication!

Dillon Size Dies

.223 Remington	N90-12778	\$42.95
.223 Remington (Carbide)	N90-10223	137.95
.30 M1 Carbine (Carbide)	N90-97039	73.95
.300 AAC Blackout (Carbide)	N90-62118	150.95
.308 Winchester	N90-10242	42.95
.308 Winchester (Carbide)	N90-10234	150.95
.30-06 Springfield	N90-12238	42.95
.30-06 Springfield (Carbide)	N90-62150	225.95

Universal Decapping Die

N90-22127	\$27.45
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Dillon Seat Dies

.223 Remington	N90-21672	\$30.95
.300 AAC Blackout	N90-62141	30.95
.308 Winchester	N90-21674	30.95
.30-06 Springfield	N90-21673	30.95

Dillon Taper Crimp Dies

.223 Remington	N90-21676	\$28.55
.300 AAC Blackout	N90-62142	28.55
.308 Winchester	N90-21678	28.55
.30-06 Springfield	N90-21677	29.55

Spare Decapping Pins

.223 Remington	N90-13278	\$3.99
.308 Winchester	N90-13132	3.99
.30-06 Springfield	N90-13069	3.99
For Universal Decapping Die	N90-15816	3.99

Spare Dillon Die Lock Rings (Fit all 7/8" x 14 thread dies)

Dillon Die Lock Ring	N90-14067	\$1.35
5-Pack Die Lock Rings	N90-10669	4.15

Tactical Precision Rifle Shooting:

"Targets anywhere from 7 yards out past 1760 yards"



Amazing scenery while engaging targets at distance is only part of the appeal of this shooting competition.

By Regina Milkovich

Tactical precision rifle shooting has been called the fastest-growing "new" shooting sport in recent months, but competitions have been around since the mid-1990s. Competitive tactical rifle matches back then usually had less than 40 competitors, focused on fundamentals of marksmanship, most competitors ran bolt-action rifles in .223, .308, or .300 Win. Mag., and if there was a prize table, it was very small by today's standards.

Rifle matches have definitely grown, with current events hosting upwards of 150 competitors. The calibers have also adapted over time as ballistic coefficients improve. Nowadays, most shooters participating in competitions around the country are using either 6.5mm (for example: 6.5x47 or 6.5 Creedmoor) or 6mm (6x47, 6XC, 6mm Creedmoor) variants. A majority of the top names in the sport reload their own ammunition to ensure they have the most-accurate rounds possible. Depending on the caliber, you'll find Sierra Bullets, Nosler, Berger Bullets, Barnes Bullets, and a variety of others on their reloading benches.

Originally, many of the stages or evolutions in early competitions took their lead from actual law enforcement and military sniper events. Tactical rifle matches were one of those outlaw shooting sports, like 3 Gun, that grew organically in the days before social media. As people gained interest, the match directors became more and more creative. We began to see a variety of props from boat platforms, simulated rooftops, barricades and

shoot houses; basically any prop a match director could hammer together with left over 2x4s in their garage over the course of a weekend. It's not unusual to see targets anywhere from 7 yards out past 1,760 yards. Targets inside 100 yards are predominantly paper and could be a 1/4" dot all the way up to a 5" Shoot-N-C.

There are currently two national point series: the Precision Rifle Series (PRS) and the National Rifle League (NRL). Both points races have finales at the end of the year to reward and recognize the best of the best. The Precision Rifle Series was created in 2012 by Rich Emmons and Kevin Elpers with the help of a group of their friends who all had the same goal in mind: making this style of precision rifle shooting more popular. Since then the PRS has continued to evolve and gain momentum each year. The Series changed ownership in 2015 and with that came many changes that have actually helped make that original goal attainable.

With CORE Shooting Solutions and K&M Precision Rifle Training Center both based out of the Southeast, the growth of the PRS in that part of the country has been fast and noticeable. Almost half of the bolt-gun matches currently listed on the PRS website can be found in this part of the country as well as a very competitive field participating in local one day matches. The other half of the PRS matches are scattered around the country with several in Texas, Washington, and the Midwest.

Starting with the 2016 season, the Precision Rifle Series added several different divisions. Some

of those have continued into the 2017 season. Open division covers all competitors shooting a variety of calibers with no limit to their gear or optics. Basically, Open is a run-what-ya-brung division. The tactical division was created with military and law-enforcement shooters in mind. That division is limited to .223 and .308 calibers only and has strict limits on bullet weight and muzzle velocity. The production division was designed with newer shooters in mind and has limitations on the cost of the factory rifle and optic. This year is the inaugural year of the PRS Gas Gun Series as well. It will be run in conjunction with the bolt gun series, but scores are kept separate. The season opener at CORE was dominated by Tyler Payne, who has shown to be quite a force behind both a bolt gun (he was the 2016 Overall Season and Finale winner) and a gas gun with his background shooting 3-Gun competitions and as a member of the United States Army Marksmanship Unit.

The Precision Rifle Series Gas Gun Series will have several divisions: Open, Heavy Tactical, and Light Tactical. Each division has rules governing what is allowed. The Precision Rifle Series has rulebooks for both the Bolt Gun and the Gas Gun series available on their website www.precisionrifle-series.com. Both the PRS Gas Gun and PRS Bolt Gun series have season rankings based on a shooter's

best three match scores. In the 2015 PRS Bolt Gun series season, a new tradition was started of reserving spots to recognize the top shooters in additional categories. For 2017 those categories are Military/Law Enforcement, Ladies, Seniors, Juniors, and International Competitor Class. Essentially, it reserves a spot for the top three in each of those categories should they fail to qualify by points. Trophies are given at matches to the top finishers by points, the top military/law enforcement competitor, and occasionally to the top female competitor.

This the first year of the National Rifle League and is the brainchild of Travis Ishida, Ian Kelbly (of Kelbly's Rifles) and Tyler Frehner. The NRL has six matches, scheduled predominately in the Southwest, with a finale at the conclusion of the season. The NRL Finale will be held the weekend prior to the 2018 SHOT Show in Las Vegas. The NRL is a 501c3 non-profit that has stated education and continued growth of the sport are their main goals. This series uses a shooter's best two scores for final ranking going into their Finale. One NRL specific award that deserves mention is the League's Sportsmanship Award. Special recognition is made to one person at each of the events

throughout the season for displaying exceptional sportsmanship throughout the course of the weekend-long competition.

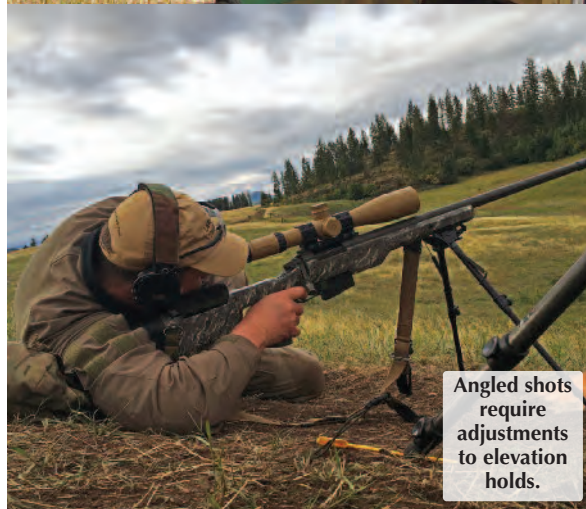
To participate in a one-day or two-day event, the minimum required equipment would be a rifle chambered in any caliber up to .30 caliber that is capable of consistently impacting a 1" dot at 100 yards, a scope with at least 10X magnification, and ammunition. Many rifle manufacturers have taken notice of the tactical rifle community and have started making rifles specifically for the PRS/NRL crowd. Ruger Firearms has done a stellar job of making an affordable, accurate-right-out-of-the-box rifle with the Ruger Precision Rifle. They offer four different calibers. Last year they introduced the RPR in 6.5 Creed-

moor and .308 Win. New for 2017, Ruger added .223 Rem. and 6mm Creedmoor to their caliber choices. This was the rifle maker of choice for a majority of the PRS Production Division in 2016. At any competition around the country, you're likely to see a variety of rifle manufacturers represented from Surgeon Scalpels to Accuracy International. If you have patience and some extra money, you could follow a lot of the bigger names in the sport and have a custom rifle built on the action of your choice. Surgeon Rifles, Defiance Machine,

Continued on Page 39



Not all positions are prone. This stage required shooting off a 550 cord out of a helicopter frame.



Angled shots require adjustments to elevation holds.

Dillon's SL 900

Shotshell Loader

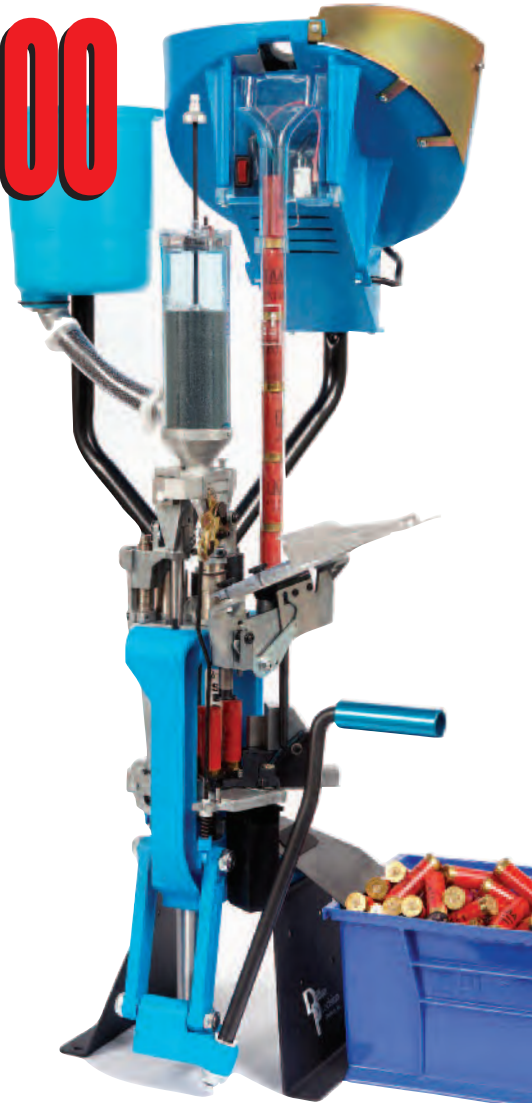
STANDARD FEATURES:

- Automatic Indexing
- Auto Powder/Priming Systems
- Adjustable Case-Activated Shot System
- Factory Adjusted to Load AA Hulls
- Factory Adjusted Loading Dies
- The Original Tilt-Out Wad Guide
- Lifetime "No-B.S." Warranty
- **RISK FREE 30-Day Trial Period!**

All for **ONLY...**
\$1039⁹⁵

\$1274.90 with Casefeeder

12 Gauge N90-97110 20 Gauge N90-97123
28 Gauge N90-97124 Comes with factory adjusted dies



Total price as pictured here with optional accessories: **\$1363.80**

12 Gauge Casefeeder (pictured)	N90-97037	\$234.95
20/28 Gauge Casefeeder	N90-97036	\$234.95
12 Ga. Euro. 220v Casefeeder	N90-97118	\$244.95
20/28 Ga. Euro. 220v Casefeeder	N90-97125	\$244.95
Aluminum Roller Handle	N90-17950	\$46.95
Low Powder Sensor	N90-16306	\$41.95

A. SL 900 CONVERSIONS

- 12 Gauge Conversion
N90-20009, \$374.95
- 12 Gauge Casefeed Plate (not pictured)
N90-17811, \$42.95
- 20 Gauge Conversion
N90-22138, \$374.95
- 28 Gauge Conversion
N90-22139, \$374.95
- 20/28 Gauge Casefeed Plate (not pictured)
N90-97045, \$42.95
- SL 900 Powder System
N90-17817, \$80.95



B. SL 900 MACHINE COVER

This heavy-duty nylon cover comes equipped with a D-ring, allowing the zipper to be locked.

N90-13239, \$39.95
 (C.) Master lock
N90-13083, \$3.95



E. SPARE PARTS KIT

- 1 20 Gauge Yellow Wad Guide
- 1 28 Gauge Green Wad Guide
- 1 20 Gauge Locator Pin
- 1 Index Pawl
- 1 Ring Indexer
- 1 Index Spring Revision A
- 1 Hair Pin Cotter
- 2 Bellcrank Cubes
- 1 Case Insert Slide Spring

D. PACKAGE DEAL

Includes: Lyman Reloading Handbook, Clear Safety Glasses, Dial Caliper, Eliminator Scale, Machine Cover, and Low Powder Sensor.

N90-22290, \$199.95

- 1 Pawl Spring
 - 1 Ejector Wire
 - 1 Plastic Wad Guide
 - 1 Swing Arm Torsion Spring
 - 1 Primer Transfer Arm
 - 1 12 Gauge Locator Pin
 - 1 Gum Rubber Insert Revision B
 - 1 Shot Fitting E-Clip
 - 1 Failsafe Bushing Revision B
- N90-11154, \$27.95**

Stiller Precision Firearms, and Kelbly's Inc. are just a few of the custom actions available for purchase. There are lots of options when considering a custom build. A quality gunsmith can help guide a new shooter through the myriad of choices to fine tune what will work best for the shooter.

Having a scope with a reticle and turrets that match (either MILS or MOA adjustments) is highly beneficial. What shooters dial on their scopes to compensate for elevation and wind should match what can be held using the lines in the reticle.

Other long-range shooting sports like F-Class and Palma may utilize minute of angle (MOA) adjustments, however a majority of the shooters in the both the PRS and the NRL use MILS (milliradians) because we need to make rapid adjustments under tight time frames. Unlike the BDC (bullet drop compensation) reticle predominately used in 3-Gun and hunting, precision rifle shooters benefit more from tactical style reticles like the Horus H59 or similar. Basically, the reticles used in tactical precision rifle shooting have a lot more

information contained in them with the ability to confidently hold for both elevation and wind to make first round impacts at great distances. Each scope manufacturer has a variety of reticles to choose from in both MOA and Mil. In the end, it comes down to what the shooter will be more comfortable using because that will be the key to successful target engagements.

Quality ammunition is available for purchase, but most of the precision rifle crowd chooses to reload their own for competitions. There are two main beliefs behind reloading your own ammunition; it is cheaper to reload than to buy commercially available ammunition and the belief in greater accuracy with handloads. Reloading allows the precision rifle shooter to fine-tune their loads with higher BC (ballistic coefficient) projectiles with the rifle powder of their choosing which can lead to much more accurate rounds down range. When checked over a chronograph, handloads tend to shoot much more consistent speeds that result in much smaller standard deviations (SD) and extreme spreads (ES) from round to round.

The next big question that comes up multiple times on every forum and group is what caliber

to choose. For training, the folks you see on the top of the leaderboard are probably using .223 Remington or .308 Winchester so they don't have to worry about shortened barrel life in their competition rifle. Because both of those calibers have extremely long barrel lives, they are perfect rifles to use for practice. Most 6mm and 6.5mm barrels last between 2000-3500 rounds before they need to be replaced – compared to over 10,000 rounds through a typical .308 Winchester. The preferred cartridges in the sport tend to lean more towards 6mm or 6.5mm variants. The higher BCs available combined with the velocity of these rounds make them softer-recoiling options

that buck wind better allowing for more consistent and accurate follow up shots than can be made with a .308 Winchester or .300 Winchester Magnum.

That's the low-down behind competitive tactical precision rifle shooting. The sport is still heavily grassroots, but as it gains popularity more and more local ranges will start holding club-level matches.



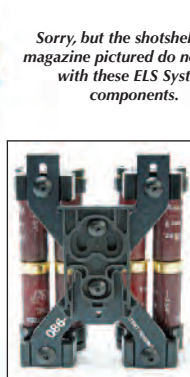
Anette Wachter using a tripod while engaging a target across a canyon.

As previously stated, many of these matches borrow from law enforcement and military engagements, but also could be helpful for hunters looking to fine-tune their long-range skills. You'd be hard pressed to find a more helpful group of shooters as all are more than willing to loan gear, help with questions, and walk a new competitor through stages.

Regina Milkovich is a competitive rifle shooter, trainer, writer and blogger. She picked up her first rifle in 2009 and started shooting competitively the next day. Regina's held the title of top lady in the Precision Rifle Series since the creation of the PRS in 2012. Regina has won many state-level precision rifle competitions in the Southwest and is the only female to win a national-level Precision Rifle Series competition when she took 1st place overall at the NorCal Tactical Bolt Rifle Challenge in April 2016. She has worked in police communications for almost 20 years and is currently the Communications Supervisor of a police department in a suburb of Phoenix, AZ. When she's not practicing, competing or working, she's mentoring newer shooters who've taken an interest in long-range shooting.

40 SAFARILAND Equipment Locking System

ELS Quick Attachment Accessory System



Sorry, but the shotshells and magazine pictured do not come with these ELS System components.

4-Shell Holder with ELS Attaching Fork (You'll need a Receiver Plate.)

4 Shell Holder N90-15181 \$58.00

8-Shell Holder with ELS Attaching Fork (You'll need a Receiver Plate.)

8 Shell Holder N90-15182 \$108.00

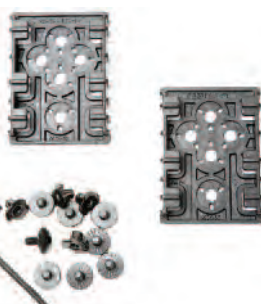
Mag Pouches (You'll need an Attaching Fork & Receiver Plate or other hardware.)

AR Mag Pouch N90-19396 \$19.95

M1A Mag Pouch N90-19397 19.95



2 ELS Attaching Forks N90-16685 \$20.00



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- A. CAR-15 Ambidextrous CQB Sling Mount with slots N90-18968 \$14.95
- CAR-15 Ambidextrous CQB Sling Mount without slots (not pictured) N90-19170 \$14.95
- B. A2-Style AR-15 CQB Right-Hand-Only Sling Mount N90-19168 \$34.95
- C. Remington 870 Shotgun Ambidextrous CQB Sling Mount N90-19169 \$24.95



\$23.95
N90-19214

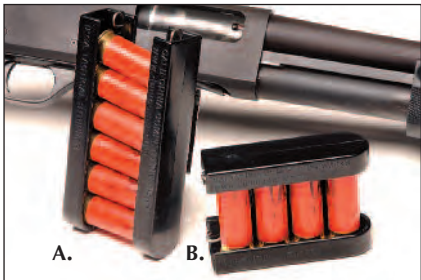
Reduced recoil, 1200 fps 25 per box.
NOTE: Age verification required to order.

CCW Tactical Shotgun Shell Strippers ⁴¹



California Competition Works' Tandem Tactical Strippers can be used to hold either shotshells or AR-15/M4/Mini 14 magazines, or a combination of both by installing or removing the aluminum spacers provided with each stripper. The Tandem Tactical Stripper holds a maximum of eight rounds of 12 Gauge (10 rounds of 20 Gauge) shotshells or two AR-15/M4/Mini 14 magazines. Each Tandem Tactical Stripper features a BLADETECH Tek-Lok™ Universal Belt Clip, four removable aluminum spacers, and the screws and Allen wrench required to install them.

Tandem Tactical Stripper **N90-00303** \$55.00



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- B. Four-Shell Tactical Stripper **N90-18605** 22.95
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42 Berry's Manufacturing Preferred Plated Bullets

Description	Stock #	250	500	1000
Bullets for the 7.62 x 39 Cartridge				
123 gr. RN-DS*	N90-17210	\$42.00	\$81.00	\$150.00
.380 Caliber Bullets				
100 gr. RN-DS*	N90-17532	24.00	46.00	85.00
9 Millimeter Bullets				
115 gr. RN-DS*	N90-17533	25.00	49.00	90.00
115 gr. HBRN-TP*	N90-17178	27.00	52.00	96.00
124 gr. RN-DS*	N90-17534	27.00	51.00	95.00
124 gr. HBRN-TP*	N90-17272	30.00	57.00	106.00
124 gr. HBFP-TP*	N90-17385	30.00	57.00	106.00
147 gr. RN-DS*	N90-17535	31.00	60.00	110.00
.357 Caliber Bullets				
125 gr. FP-DS*	N90-17536	28.00	53.00	98.00
158 gr. RN-DS*	N90-17540	33.00	63.00	117.00
158 gr. FP-DS*	N90-17539	33.00	64.00	118.00

.40 Caliber/10 Millimeter Bullets				
155 gr. FP-DS*	N90-17541	35.00	68.00	126.00
155 gr. HBRN-DS*	N90-17238	36.00	70.00	130.00
165 gr. FP-DS*	N90-17232	36.00	70.00	130.00
165 gr. HBFP-DS*	N90-17271	41.00	79.00	146.00
180 gr. FP-DS*	N90-17542	38.00	74.00	137.00
180 gr. RN-DS*	N90-17515	35.30	68.26	127.00
.45 Caliber Bullets				
185 gr. HBRN-DS*	N90-17543	41.00	78.00	145.00
185 gr. FP-DS*	N90-17516	35.30	68.26	127.00
200 gr. HBFP-DS*	N90-17517	45.00	78.00	146.00
230 gr. RN-DS*	N90-17549	42.00	80.00	149.00
Description	Stock #	200	400	800
.44 Caliber Bullets				
240 gr. FP-DS*	N90-17545	39.00	76.00	140.00

*DS = Double Struck, TP = Thick Plate, HB = Hollow Base, RN = Round Nose, FP = Flat Point, SWC = Semi Wadcutter, WC = Wadcutter

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(This is not LOADED ammunition.)

5.56mm/.224 Caliber			
52 gr. HPBT MatchKing	100/box	N90-10178	\$25.95
55 gr. BlitzKing	100/box	N90-14458	28.95
69 gr. TMK	100/box	N90-80015	29.95
69 gr. HPBT MatchKing	100/box	N90-13007	27.95
77 gr. TMK	100/box	N90-80016	35.99
77 gr. HPBT MatchKing	500/box	N90-18171	157.95
6mm/.243 Caliber			
70 gr. HPBT MatchKing	100/box	N90-12386	30.95
6.5mm			
123 gr. HPBT	100/box	N90-14459	44.95
142 gr. HPBT	100/box	N90-14460	46.95
7.62mm/.308 Caliber			
125 gr. HP	100/box	N90-14448	39.95
155 gr. TMK	100/box	N90-80018	48.00
155 gr. HPBT Palma	100/box	N90-18160	39.95
168 gr. TMK	100/box	N90-80017	47.00
168 gr. HPBT MatchKing	100/box	N90-10177	42.95
175 gr. HPBT MatchKing	100/box	N90-17481	44.95

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.38/.357 125 gr. RN	100/pkg.	N90-15823	\$13.99
.38/.357 158 gr. RN	100/pkg.	N90-15819	14.99
.45 Cal. 230 gr. FMJ	100/pkg.	N90-15814	17.99
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9mm 124 gr. FMJ	100/pkg.	N90-15822	11.99

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Special Purchase .223 FMJ Projectiles
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Unprimed brass sold in packages of 100

(This is not LOADED ammunition.)

Description	Stock #	1 Pkg.	5 Pkg.	10 Pkg.
.32 H&R Mag.	N90-30258	\$19.00	\$88.00	\$168.00
.32-20 Win.	N90-31282	25.00	116.00	224.00
9mm	N90-31277	17.00	79.00	152.00
.38 Short Colt	N90-39919	20.00	91.00	175.00
.38 Special	N90-31278	18.00	80.00	154.00
.38 Super +P	N90-31276	20.00	90.00	173.00
.38 Super Comp	N90-30257	20.00	90.00	173.00
.357 SIG	N90-30528	22.00	102.00	196.00
.40 S&W	N90-31283	20.00	93.00	180.00
10mm	N90-31281	21.00	98.00	188.00
.44 Special	N90-31280	24.00	111.00	214.00
.45 ACP	N90-31284	22.00	99.00	190.00
.45 Auto Rim	N90-31279	24.00	109.00	209.00
.45 Colt	N90-30259	24.00	111.00	214.00
.50 S&W Mag.	N90-38596	61.00	281.00	542.00

Once-Fired Brass

Note: Availability Varies, Please Call First

.380 cases	1000/box	N90-18648	\$69.95
9mm cases	1000/box	N90-43295	36.95
.38 Special cases	1000/box	N90-43296	74.95
.40 S&W cases	1000/box	N90-43297	69.95
.45 ACP cases	1000/box	N90-43298	84.95
.223 cases	1000/box	N90-43302	99.95

SNS Casting Hard-Cast Lead Bullets

Hard-Cast Lead Bullets

	Stock #	500	1000				
9mm RN 125 gr.	N90-15258	\$40.00	\$74.00	9mm RN 125 gr.	N90-15332	42.00	78.00
9mm FP 125 gr.	N90-15279	40.00	74.00	9mm No Lube Groove 125 gr.	N90-15756	42.00	78.00
9mm RNFP 147 gr.	N90-15259	43.00	80.00	9mm RN 135 gr.	N90-15043	44.00	81.00
.38/.357 RN 95 gr.	N90-15291	37.00	69.00	9mm RN 147 gr.	N90-15044	47.00	88.00
.38/.357 RNFP 100 gr.	N90-15260	38.00	72.00	9mm FP 147 gr.	N90-15333	47.00	88.00
.38/.357 RN 125 gr.	N90-15261	40.00	74.00	9mm/.38 Super RN 160 gr.	N90-15397	52.00	97.00
.38/.357 RNFP 125 gr.	N90-15307	40.00	74.00	.38/.357 RN 95 gr.	N90-15858	40.00	74.00
.38/.357 SWC 158 gr.	N90-15263	43.50	81.00	.38/.357 RNFP 100 gr.	N90-15859	41.00	76.00
.38/.357 RN 158 gr.	N90-15292	43.50	81.00	.38/.357 FP 105 gr.	N90-15860	42.00	77.00
.38/.357 RNFP 158 gr.	N90-15264	43.50	81.00	.38/.357 FP 125 gr.	N90-15879	42.00	79.00
.40/10mm FP 140 gr.	N90-15265	42.00	78.00	.38/.357 RNFP 130 gr.	N90-19679	44.00	81.00
.40/10mm SWC 175 gr.	N90-15266	50.00	92.00	.38/.357 DEWC 148 gr.	N90-15880	47.00	88.00
.40/10mm FP 180 gr.	N90-15267	50.50	94.00	.38/.357 RN 158 gr.	N90-15045	52.00	97.00
.40/10mm RN 200 gr.	N90-15285	49.00	91.00	.38/.357 SWC 158 gr.	N90-15881	52.00	97.00
.44 RNFP 180 gr.	N90-15283	50.50	94.00	.38/.357 RN 160 gr.	N90-15400	52.00	97.00
.44 RNFP 200 gr.	N90-15274	53.00	98.00	.40/10mm FP 140 gr.	N90-15335	47.00	87.00
.44 RNFP 240 gr.	N90-15275	60.00	110.00	.40/10mm RNFP 165 gr.	N90-19677	55.00	101.00
.44 SWC 240 gr.	N90-15276	60.00	110.00	.40/10mm FP 175 gr.	N90-15336	57.00	106.00
.45 SWC 200 gr.	N90-15270	53.00	98.00	.40/10mm FP 180 gr.	N90-15337	58.00	107.00
.45 RN 230 gr.	N90-15271	57.00	106.00	.40/10mm RN 200 gr.	N90-15338	60.00	112.00
.45 Colt RNFP 180 gr.	N90-15295	51.00	94.00	.40/10mm FP 220 gr.	N90-15855	66.00	123.00
.45 Colt RNFP 200 gr.	N90-15272	53.00	98.00	.44 RNFP 200 gr.	N90-15882	60.00	112.00
.45 Colt RNFP 250 gr.	N90-15273	63.00	118.00	.44 SWC 240 gr.	N90-15891	69.00	129.00
	Stock #	250	500	.45 SWC 185 gr.	N90-15856	58.00	108.00
.45/70 Govt. RNFP 405 gr.	N90-15321	\$64.00	\$120.00	.45 RN 200 gr.	N90-15339	60.00	112.00
Coated Bullets	Stock #	500	1000	.45 RNFP 200 gr.	N90-15857	60.00	112.00
.30 M1 Carbine RN 115 gr.	N90-15403	\$43.00	\$80.00	.45 SWC 200 gr.	N90-15340	60.00	112.00
.380 RN 95 gr.	N90-15393	40.00	74.00	.45 RN 230 gr.	N90-15401	66.00	124.00
9mm RN 115 gr.	N90-13150	41.00	76.00	.45 RN No Lube Groove 230 gr.	N90-19678	66.00	124.00
9mm CN (conical) 124 gr.	N90-15075	42.00	78.00		Stock #	250	500
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CLASSIC FIREARMS: The W



By John Marshall

If ever a gun had an enthusiastic and celebrated spokesperson, it was the Winchester Model 1895 lever-action rifle. The 26th President of the United States, Theodore Roosevelt, proclaimed the .405 Winchester version of the rifle as his “medicine gun for lions.” Roosevelt took two or three .405 caliber Model 1895 guns to Africa for his 1909–1910 hunting safari. His son Kermit took along his own Model 1895, chambered for the .30-03 cartridge. These guns were put to good use, and there is a famous picture of the former President posing with one of his rifles and a downed rhinoceros. The rifle illustrated here is a near duplicate of the type used by Roosevelt. While made later (in the mid-1920s), it is also one of those chambered for the big and potent .405 Winchester round. The .405 utilized a 300-grain bullet that exited the barrel at 2,204 fps, generating 3,236 ft./lbs of energy. A “medicine gun” for sure.

Roosevelt was quite familiar with the Model 1895 and he had personally seen to it that his fellow Rough Rider officers in the Spanish-American War all had Winchester 1895 carbines chambered for the .30-40 Krag (.30 Army) cartridge. He himself would have been armed with one, but he gave his to a unit member who had to report late and lacked a suitable rifle for use in Cuba.

There were several things that made the Model 1895 notable. First, it was the last lever-action rifle designed by John Browning for Winchester. Also, at the time, it was the only lever-action Winchester that could handle really high-power smokeless cartridges. The action was quite strong, and the projecting single-stack fixed box magazine under the receiver allowed the use of cartridges loaded with spitzer (pointed) bullets. In the previous tubular magazines used in lever actions, pointed bullets would impact the primers of the cartridges in front of them in the tube, making the potential for disas-

ter quite high. The locking bolt, while similar in concept to that of the famous Model 1894 lever action, was more robust and mounted in a thicker and stronger receiver. At the time of its introduction (1895) it was one of only two mass-produced lever actions capable of handling spitzer cartridges. The other was the rotary-magazine Savage Model 1895, predecessor to the similar and later very popular Savage Model 99 hunting rifle.

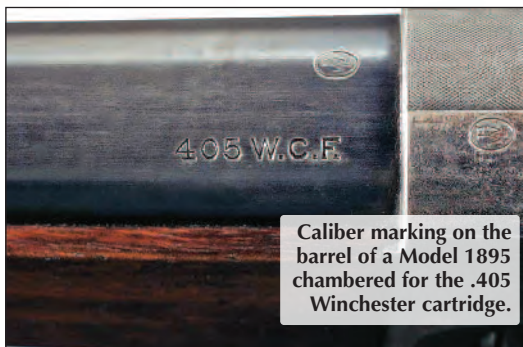
The first 5,000 or so of these rifles had slab-sided receivers, while later ones were scalloped on the sides to reduce weight. The slab-sided rifles have now become valued collector items. The Model 1895 was first produced for the .30-40 Krag cartridge, usually stamped with the official designation (.30 U.S. Army). Immediately following were the black powder .38-72 and .40-72, both little known today and discontinued in 1909. In 1898 the .303 British was added as an option. 1903 and 1904 were the years introducing the .35 W.C.F and the .405 Winchester, respectively. The .30-03 was added in 1905, and the then-new U.S. military standard .30-06 in 1908. The .30-03 was subsequently discontinued. The strange two-piece lever was introduced sometime after first production. Its purpose was locking the lever in the closed position, to be automatically unlocked by downward pressure on lower part of the lever when in the act of ejecting the fired shell. The rifle ejected upward, and was therefore not suitable for scoping.

The main downside for the sporting rifles was that they had to be loaded with individual rounds from the top of the open receiver. A round must first be placed base first about midway on the follower or on an already loaded cartridge, pushed down, back fully to the rear under the magazine lips, and then rotated down to nearly horizontal. The usual capacity was five rounds. The reason for the single-stack magazine was that a double-stag-

Winchester Model 1895 Rifle



“The long-barreled Russian musket model rifles were in fact the majority of total Model 1895 sales.”



Caliber marking on the barrel of a Model 1895 chambered for the .405 Winchester cartridge.

gered stack was considered too bulky and not in keeping with the slim cross-section.

The unloaded weight of the typical rifle was about 9 pounds. Overall length varied from 40 to 54 inches depending on the length of the barrel. The barrels ran from 22 to 36 inches in length. Most of the sporting models had metal crescent buttplates. Many options and variants (including takedown versions) existed at a time when Winchester could and would produce almost anything on request. The initial asking price for a standard no-frills hunting rifle was \$19.00 (well over \$500 in today's inflated times).

Ten thousand .30-40 Model 1895 muskets were purchased by the U.S. government primarily for volunteer and militia use during the Spanish-American War, but very few were actually employed during that war. It's possible that a small number of these may have seen some action in the Philippines and/or the Peking relief expedition. Almost all were marked “U.S.” Most were sold as surplus in 1906, and of these, almost all went to Cuba for military use. These U.S. martially marked arms are considered prime collectibles.

Nearly 293,000 Model '95 “muskets” were sold to Russia. Most of these were delivered in 1915 and 1916. They were all chambered in the standard Mosin-Nagant 7.62x54R caliber. Russia was desperate for arms in WWI, and had contracted for the manufacture of many Mosin-Nagant rifles in the U.S. as well. The long-barreled Russian musket model rifles were in fact the majority of total Model 1895 sales. All of these had charger clip slots and bayonet lugs for 16-inch knife bayonets. The ladder rear sights had range markings in *arshins*. An arshin was believed to be the average stride of a marching soldier (about 28 inches), as standardized by Czar Peter the Great in the late 18th Century. An almost full-length wooden forearm was part of the musket-

style configuration. Following the Bolshevik revolution and Russia's withdrawal from the war, many of these were returned to the U.S. and sold cheaply as war surplus. Large numbers were donated by the Soviet Union to emerging revolutionary regimes in countries such as Spain, China and Hungary.

The Model 1895 proved to be quite popular for law-enforcement use in the United States. Both the Texas and Arizona Rangers employed them. The second captain of the Arizona Rangers, Tom Rynning (a former Rough Rider officer), specifically ordered Model 1895 saddle ring carbines chambered in .30-40 Krag as the standard Ranger rifles. A Winchester advertisement in 1962 featured a 1903 photograph of a long line of Arizona Rangers in Morenci, Arizona armed mostly with these carbines.

In all, roughly 426,000 original Model 1895 rifles were produced and sold, including about 287 made in the first year. Production spanned the years from 1895 to 1936, with a small number sold as late as 1940, assembled from on-hand parts. There were an immense number of variations, and depending on the type, scarcity, condition and configuration, collector prices today are all over the board, ranging from a few hundred dollars for a beater to thousands for some.

In 1984, Miroku of Japan made some Model 1895s for Browning, and these were marked as such. Since the 1990s Winchester has also sub-contracted some special runs of Model 1895s to Miroku. These have rebounding hammers and tang-mounted sliding safeties to satisfy lawyers who worry about such things. These are well made, with prices edging somewhat upwards of \$1,000 when found new in the box.

The Winchester Model 1895 has been an enduring classic, and good examples, either original or modern, are still in high demand.

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Berry's Mfg. Pan Sifter

N90-17519 \$9.99



The **SHELLSORTER** is a simple product designed to reduce the time you spend sorting brass, allowing you to enjoy more time reloading and shooting. The **SHELLSORTER** is comprised of three pans designed to sort several common calibers. The fastest way to sort is to stack all three of the pans together on a common five-gallon bucket, yellow pan on top and black on the bottom; in that way, with a few shakes all your brass is sorted by caliber at the same time. The **SHELLSORTER** is made of ABS, a strong plastic that will give a lifetime of service.

N90-19972 \$39.95

Modeled after the military .30 Caliber ammo can, this tough unit has a gasket in the lid to protect contents from moisture. It's approximately 11" long x 7" high x 4" wide at its largest dimensions and holds 550 .223 rounds or 1000 9mms.

Made in the USA and comes with a lifetime warranty.

Berry's Mfg. Clear Ammo Can

N90-17518 \$9.99



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The Heckler & Koch VP9 Pistol

By J. B. Wood

The Heckler & Koch VP9 has been around for a couple of years, but anything this good deserves another look. While it joined a parade of polymer-frame striker-fired pistols, it is very different. As usual with HK, the VP9 has several design points that are commendable. One example – the little “grabbers” at the rear of the slide.

Properly named in the user’s manual, they are called “charging supports,” and they are very helpful in slide retraction (especially for my diminished octogenarian grip). Their protrusion is minimal, but if you don’t need or want them, flat filler inserts are available, and easily installed.

The magazine release is excellent. A little lever at the lower rear of the trigger guard, it is pushed downward. There are tabs on both sides. The slide latch also has a second lever on the right, and that one is long, with good mechanical advantage. Left-handed shooters will like the VP9.

Included in the nested hard-polymer case are larger and smaller back-pieces for the grip frame, and a pair of side-inserts to slightly increase the diameter. For my average hand, the medium set on

the pistol proved to be just right. In the kit, there is also a loader for the 15-round magazine.

The other numbers: Empty weight is 26.56 ounces. The overall length is 7.34 inches, height 5.41 inches, and width 1.32 inches. Barrel length is 4.09 inches. So, it’s a full-sized pistol, not one of those sub-compacts that deliver pronounced felt-recoil.

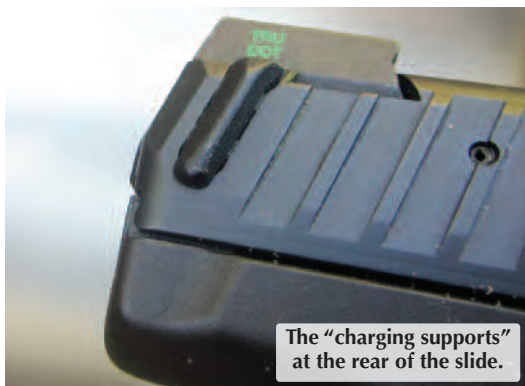
The grip is very comfortable, with three moderate finger-recesses at the front. For the few who still use that weird version of the two-hand hold, the front of the trigger guard is slightly concave and cross-grooved. Up front, there is a standard rail for mounting a light or a laser. There are also slide serrations at the forward end.

A large number of makers are now using the silly “flipper” trigger-block safety, so I

can forgive HK for taking the easy way here. It works, perfectly. And, at least, it is not laterally unstable, like some I could name. Trigger pull is excellent – about 3/16ths of an inch easy take-up, a nice let-off, average 5.5 pounds on my Lyman electronic gauge, and minimal over-travel.

The double-column central-feed magazine is very strongly made, with reinforcing ribs on

“As usual with HK, the VP9 has several design points that are commendable.”



The “charging supports” at the rear of the slide.



The right-side slide latch has good leverage.



The left-side slide latch and the take-down lever.



The magazine catch is pushed downward to release.



The VP9 was tested with the Black Hills HoneyBadger load.



The VP9 kit: Spare mag, loader, and grip inserts.

both sides. On the back, from rounds 4 through 15, a straight line of apertures tells you at-a-glance exactly how many you have left. On the bottom, a large and thick floor plate ensures positive seating.

Test-firing the VP9 at the Big Tree range, I also tried out a new cartridge, the 125-grain HoneyBadger load from Black Hills, I’m not into the esoteric “terminal ballistics” stuff, but after many years of using Black Hills ammo, I know that the odd “triple-scoop” bullet will do exactly what Jeff Hofmann says it will do. I’m mostly concerned with accuracy and functioning, and this load was fine in both categories.

Sights are square-picture, three-dot, both laterally adjustable in their dovetails. On the test pis-

tol, no need for adjustment. At the classic 7-yard distance, standing, two-hand hold, the VP9 printed nice little 3-inch groups. At 15 yards, seated, with an MTM Shooting Stick for a rest, it did essentially the same thing.

For those who like the “10mm Lite” (I don’t), the pistol was offered in 2016 as the VP40, in .40 S&W chambering. Also, in 9mm, a “tactical” version, with a threaded barrel for a suppressor. The regular version shown here has a suggested retail price of \$719. For any other questions, here’s the contact data:

Heckler & Koch
5675 Transport Boulevard
Columbus, GA 31907
706-568-1906 www.hk-usa.com

"Big Fifty Reloader"

STANDARD FEATURES:

- 4-Station Interchangeable Toolhead
- Uses Std. 1-1/2"-12 UNF Thread Dies
- Manual Shellplate indexing
- Average Loading Rate: 300 Rds./Hr.
- Loads High Volume/Match-Grade Ammo
- Milspec/Match-Grade Priming System
- Ductile Iron/Carbon Steel Construction

All for ONLY...
\$1079⁹⁵
 N90-50000

Now Available!
.408 CheyTac Conversion
 N90-50204 \$149.95
 (Dies NOT Included)



Total price as pictured here with optional accessories: **\$2649.75**

.50 BMG Carbide Size Die	N90-50075	\$869.95
.50 BMG Case Trimmer	N90-50050	\$399.95
BFR Mounting Post (50.5" High)	N90-50150	\$289.95
BFR Mounting Hardware Kit	N90-50140	\$9.95

BFR Accessories

A. 50 BMG CASE TRIMMER ASSEMBLY

Features an industry standard 1-1/2"-12 UNF threaded body, a 1/4 HP motor, replaceable carbide cutter, quick-disconnect cord and includes the .50 BMG trim die.

N90-50050, \$399.95



B. 50 BMG CARBIDE SIZE DIE

The only .50 BMG size die in the industry that's a full-length solid carbide size die, for increased die life and scratch resistance. It also has a solid carbide expander ball, placed in the middle of the power stroke for easier operation. The die body is standard 1-1/2"-12 UNF thread, and is manufactured to low chamber tolerance specifications.

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C. 50 BMG POWDER MEASURE ADAPTER

For use with the RCBS .50 BMG powder measure.

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EXTRA "BFR" TOOLHEADS

N90-19831, \$179.95



D. 50 BMG PRIMER SEATING DIE

One of these is included with Dillon's Big Fifty Reloader, but may be used as an accessory on a separate toolhead. The primer seating die is adjustable for enhanced control of primer seating. Includes two primer punches: one flat, match-style primer punch and one cupped, MIL-SPEC primer punch.

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Makes it easy to remove the military crimp.

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E.(1) PRIMING CONVERSION

Converts Swager to Priming System.

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F. 50 BMG PRIMING SYSTEM

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RCBS .50 BMG LOADING ACCESSORIES

.50 BMG Powder Measure

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.50 BMG Seat/Crimp Die

N90-21895, \$139.95



Dillon's "Plan B" Day Planner Holster holds a handgun and a spare magazine or pepper spray, yet it fits in with business clothing and won't draw undue attention. It looks like a typical day planner, but inside there's a holster that's adaptable for either right- or left-hand draw. It fits most .380, 9mm, .40 and .45 caliber autos, including: Beretta, Colt, GLOCK, HK, Kahr, Kel-Tec, Ruger, Taurus, SIG, and Smith & Wesson. Will also hold small-frame revolvers with two- to four-inch barrels.

"Plan B" Day Planner **N90-10252 \$24.95**



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Gray, XXL	N90-18529	14.50
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Powder Measure, Reloading Accessories

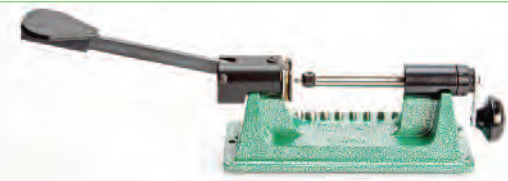
Match-Grade Model 3 BR Measure		
	N90-10121	\$179.95
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RCBS Trim Pro-2™ Case Trimmer N90-43231 \$139.95

The RCBS Trim Pro-2 manual case trimmer now features a spring-loaded "universal" shell holder that will accommodate case head diameters from .250" to .625". Comes with pilot calibers: .22, .24, .25, .27, .28, .30, .35, .44 and .45.



A. Weight Set .5 - 60.5 Gr.	N90-15958	\$36.95
B. Weight Set .5 - 210.5 Gr.	N90-15959	48.95

Dillon's Bench Wrench Fits 1" die lock rings



A characteristic of virtually all progressive reloading machines, regardless of brand, is that the dies are set rather close together. When you are first setting up a "naked" machine, there is plenty of wrench room, but if you have a need to adjust a die afterward, it often requires a delicate touch to maneuver a lock ring on a crowded toolhead.

Dillon Precision has addressed this in two ways. We now offer new 1" die lock rings and a 1" Bench Wrench to fit them. This combination gives much more room to re-adjust dies after they're already mounted. The opposite end of our new wrench is a 7/16" box-end for adjusting the Powder Bar of any Dillon Powder Measure. Our new lock rings fit any standard 7/8" x 14 dies.

1" Dillon Die Lock Ring	N90-14067	\$13.5
5-Pack of Die Lock Rings	N90-10669	41.5
1" Dillon Bench Wrench	N90-10842	7.95
<i>(Buy two or more 1" Bench Wrenches for \$7.10 each)</i>		
Wrench/Lock Ring 5-Pack	N90-10668	9.95

Grace USA Gun Care Tool Set 53



This custom designed 12" x 9" x 1-1/2" case is made from durable soft Nukaf and contains a 17-piece set of Grace USA Gun Care Screwdrivers (8 ea.), Solid Brass Pin Punches (8 ea.) and a specially fabricated 8 Oz. Brass Hammer. The screwdrivers are hand-assembled and custom hollow ground to fit scope screws, plug screws, guard screws, etc. The handles are turned from quality Maine hardwood and protected with a smooth finish. Made in USA.

Grace USA Gun Care Tool Set **N90-10680** **\$99.95**

More Great Tools From Grace USA!

The **9-Piece Ball-End Allen Head Screwdriver Set** includes the following sizes: 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", and 3.5 mm. Each is constructed of US 8650 Chromium-Vanadium steel alloy and is proudly Made in USA!

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Ball-end set	N90-13286	\$12.95
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Secure Firearms Products' **Universal Spring Tester** will help you determine if the recoil spring in your pistol needs replacing, and you'll save time and money by testing and organizing loose recoil springs in your shooting bag.

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The 10-8 Performance Armorer Tool is a simple, non-marring tool useful for applications where prying or poking with metal tools can easily damage your work. The rigid chisel-pointed end and semi-flexible flat blade end each have unique uses.

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8 oz. Brass Hammer	N90-14969	\$14.95
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Brass Punches (8-Pc.)	N90-14968	31.95
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8 oz. Brass Hammer & 8-pc. Brass Punch Set	N90-21655	39.95



The **Tru-Weight Trigger Tension Scale** has a range from eight ounces to eight pounds. A unique weight indicator remains at the exact point of trigger release, making it easier to read your trigger pull pressure.

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Barrel-Lite®

N90-10529
\$4.95



Pistol Targets: 100 per package

NRA Paper D-1 "Tombstone" Target 23"x35"	N90-18388	\$44.00
IDPA Paper Practice Target 22"x34"	N90-15735	39.95
USPSA/IPSC Paper Practice Target 22"x35"	N90-15836	39.95
50 Foot TIMED/RAPID FIRE 10.5"x12"	N90-15832	12.00
Competition 50 Foot SLOW FIRE 10.5"x12"	N90-15831	12.00
Competition 25 Yard SLOW FIRE 10.5"x12"	N90-13096	12.00
Police B-34 (Silhouette) 25 Yard 14"x24"	N90-13163	17.00
Police BH-21 (Silhouette) 25 Yard 22.5"x35"	N90-10094	37.00
Competition 25 Yard RAPID FIRE 21"x24"	N90-12839	24.00
Competition 50 Yard SLOW FIRE 21"x24"	N90-10041	24.00
Police B-27 (Silhouette) 50 Yard 22.5"x35"	N90-10670	37.00

Rifle Targets: 100 per package

Small Bore Rifle 100 Yard 14"x14"	N90-12430	\$11.00
High Power 200 Yd. 21"x24" (600 Yd. reduced)	N90-12650	46.00
ST-4 100 Yard Precision Rifle Target 15"x17"	N90-13679	16.00

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200 Yard Rifle Repair Center 12.75"x12.75"	N90-15830	20.00

See Hit Targets 12 per package

SH-B8CRC Pistol 25 Yard Repair Center 10"x10"	N90-16328	\$9.00
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Target Pasters

Black, Self-Adhesive, 500 ea.	N90-16304	\$3.50
Buff, Self-Adhesive, 500 ea.	N90-16309	3.50
Brown, Self-Adhesive, 500 ea.	N90-16310	3.50
White, Self-Adhesive, 500 ea.	N90-16313	3.50
Orange, Self-Adhesive, 500 ea.	N90-16327	3.50

HARTMAN MFG

Target Stands



**Rugged! Portable!
Easy-to-Use!**

One Target Stand N90-18237 \$49.95
A Pair of Stands N90-74493 91.95



One Hostage Target Adapter (Shown below attached to Target Stand – not included. Works only with Hartman target stands.)

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A Pair of Target Spikes

N90-11393 \$26.99

3 Gun Ammo Bags



TUFF Products 3 Gun Ammo Bags (Set of 3) are made of 1000 Denier Cordura® and equipped with dual 550 cord cinch strings for secure closure. The Red/Blue bags hold up to 200 loose pistol/rifle rounds and Black bag holds up to 200 loose shotgun rounds.

N90-15773 \$19.95

D•WIPE Towels ESCA TECH, INC.

D•WIPE Towels were specially designed for immediate clean up of most contaminants without water. The soft 5.5"x 8" towels are saturated with a unique cleansing formula and aloe vera, and will remove heavy metals from skin and other surfaces.



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D•LEAD Hand Soap ESCA TECH, INC.

Original **D•LEAD** Hand Soap quickly cleans heavy metals as well as paint dust and firing range residue from the skin and fingernails. Removes lead, nickel, cadmium, arsenic, mercury, silver, zinc and most other heavy metals.



8 Oz. Bottle N90-19915 \$2.95



Gunslinger Spring Kits

From Lee Fisher, one of the premier "cowboy gunsmiths."

Colt & clones	N90-20510	\$26.95
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Rossi/Navy Arms 92 lever guns	N90-20513	\$24.95
Stoeger IGA shotgun	N90-20514	\$14.95

Comtech's STINGER



THE STINGER: Comtech's own personal defense device. Designed to act as a "force multiplier," it's like having the punching power of a karate master – instantly! There's really nothing like it for easy carry and access. It passes unnoticed by 90 percent of people who see it. Yup, just another "keychain device" to most, and yet it works so well when needed. You deserve a Stinger today!

N90-19495 \$9.95

Arredondo Accessories' Multi-Gun Chamber Flags



Made of tough nylon with a melting point of 480 degrees. Kit includes one shotgun chamber flag and one for your AR-15.

N90-15485 \$11.95

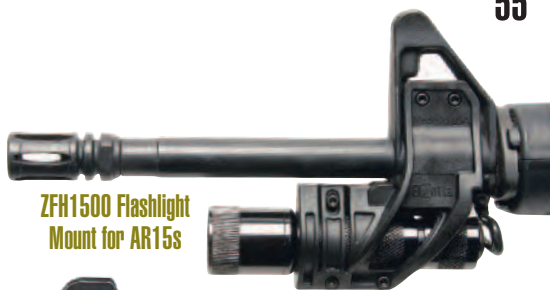
Elzetta

Tactical Flashlight Mounts

Every Elzetta ZFH1500 Flashlight Mount for AR15 rifles and ZSM Tactical Shotgun Flashlight Mount comes with sizing adapters, giving the mount the ability to accommodate flashlights from 0.7 to 1.05 inches (18 to 27 mm) in diameter. This includes flashlights from popular manufacturers such as InForce®, Streamlight®, Pelican®, Laser Devices®, SureFire® and of course, the Elzetta® ZFL-M60. (Sizing Adapters are not required when using an Elzetta ZFL-M60 or other 1-inch lights.) The Elzetta ZSM is made from the same advanced glass-filled polymer that has proven itself in the popular Elzetta ZFH1500.

The NEW Elzetta ZRX Tactical Flashlight Mount is made for flashlights with standard one-inch bodies and will accommodate a range from 0.94 to 1.04 inches (23.8 to 26.4 mm). This includes many popular tactical flashlights including the Elzetta ZFL-M60. The Elzetta ZRX clamping rings are made from Mil-Spec Type III Hard Anodized aluminum, the body is a glass-reinforced polymer and the hardware is steel. The ZRX weighs 1.1oz (32g).

ZFH1500 AR15 Flashlight Mount	N90-12020	\$29.95
ZSM Tactical Shotgun Mount	N90-18050	39.95
ZRX Tactical Flashlight Mount	N90-15487	35.00



ZFH1500 Flashlight Mount for AR15s



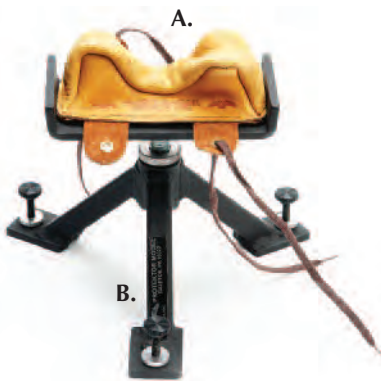
ZSM Tactical Shotgun Flashlight Mount



ZRX Tactical Flashlight Mount

PROTEKTOR MODEL

The Original Leather Sandbag* Rifle Rests



A.



C.



D.

All Protektor Model leather bags are made with the best top grain cowhide available. The welded steel rest is strong enough to stand on and won't break if dropped (Owl Ear Front Bag sold separately).

- A. Front Bag **N90-10880 \$24.00**
- B. Rifle Rest **N90-10883 63.00**
- C. Std. Front Bag **N90-10881 31.00**
- D. Rear Bag **N90-10882 34.00**

*Sand not included.

MILDOT MASTER
...a direct path to firing solutions.*

1. All angles are in the standard notation of 60 to 90 degrees.
2. Read angle in degrees on the scale.
3. Determine the distance to the target and place the corresponding value on the right-hand side of the slide rule.
4. Read the range to the target on the left-hand side of the slide rule.

Become a master at using a Mil Dot reticle with this ballistic slide rule! Comes with a 24-page instruction manual.

N90-14762 \$29.95

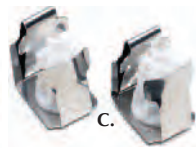
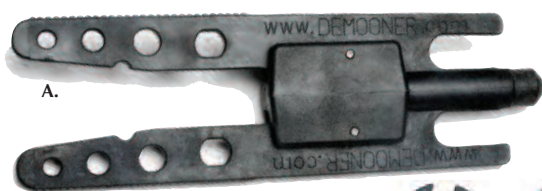
TARGET SPORTS® TACTICAL



This three-piece shooting bag set is an incredible value for the money! The bags are made of durable, water-resistant 600 denier polyester and provide a steady and solid shooting system for long guns and handguns. I filled the ones in the photo with walnut tumbling media and found them to be easy to fill and much lighter to carry than when filled with sand.

N90-15384 \$24.95

56 California Competition Works' Moon Clip Loading/Unloading Tools & Carriers



Inset: Replacement mandrels for Moonload ("B" above). Colors vary according to diameter.

A. Demooner Tool	N90-18169	\$16.95	.590" Repl. MoonLoad Mandrel	N90-33400	8.00
B. MoonLoad/Unload 8-Shot .357	N90-19490	39.95	.596" Repl. MoonLoad Mandrel	N90-33401	8.00
MoonLoad/Unload 6-Shot .45	N90-19489	39.95	.620" Repl. MoonLoad Mandrel	N90-33402	8.00
(Works with #16510 8-shot EDM .38/.357 moon clips on Pg. 57)			.649" Repl. MoonLoad Mandrel	N90-33403	8.00
.483" Repl. MoonLoad Mandrel	N90-33395	8.00	C. 6-Shot Mn. Clip Holder (2 ea.)	N90-18173	17.90
.493" Repl. MoonLoad Mandrel	N90-33396	8.00	D. Blued .45 ACP Mn. Clips (10 ea.)	N90-18183	9.80
.510" Repl. MoonLoad Mandrel	N90-33397	8.00	Stainless .45 ACP Mn. Clips (10 ea.)	N90-18280	10.50
.530" Repl. MoonLoad Mandrel	N90-33398	8.00	E. 10mm Moon Clips (10 ea.)	N90-18184	11.20
.538" Repl. MoonLoad Mandrel	N90-33399	8.00	F. 8-Shot .357 Moon Clips (10 ea.)	N90-19228	19.95

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The North Mountain IDPA-Compliant Speed Loader Holder is made specifically for the competitive IDPA revolver shooter. Lightweight at 2.9 Oz., it firmly holds your competition speed loader. It is fitted with a Tek-Lok™ to mount to your range belt. It fits Comp III and similar-sized speed loaders.



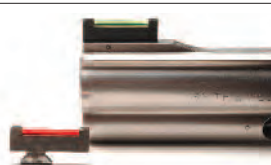
"K-Frame" Model	N90-21900	\$35.00
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TK Custom Moon Clips



Chiappa Rhino 9mm/.40 S&W (10 Pk)	N90-12040	\$65.00
Chiappa Rhino .38/.357 (10 Pk)	N90-12043	65.00
N-Frame 9/.38 ACP 8-Shot (Blue) (10 Pk)	N90-12044	39.95
L-Frame 9/.38 ACP/.40 6-Shot (Blue) (10)	N90-12057	39.95
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S&W N-Frame .45 ACP EDM 6-Shot (10)	N90-12059	74.95
S&W L-Frame .38/.357 7-Shot (10 Pk)	N90-12065	64.95
S&W L-Frame .38/.357 6-Shot (10 Pk)	N90-12066	64.95
S&W J-Frame .38/.357 5-Shot (5 Pk)	N90-12088	32.50
S&W K-Frame .38/.357 6-Shot (10 Pk)	N90-12090	64.95
S&W N-Frame .38/.357 8-Shot EDM (10)	N90-12091	64.95
N-Fr. .38/.357 8-rd. EDM Starline ONLY (10)	N90-12092	64.95
S&W N-Frame .38/.357 8-Shot (Blue) (10)	N90-12093	39.95

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Pin-In Front Sight - \$28.00		"Classic" Slip-In Sight - \$35.00	
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.250" high, green	N90-18380	.250" high, green	N90-18376
.300" high, red	N90-18381	.300" high, red	N90-18377
.300" high, green	N90-18382	.300" high, green	N90-18378
Pin-In Front Sight - \$44.95		"Classic" Slip-In Sight - \$44.95	
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.300" high, Gold Bead	N90-18566	.300" high, Gold Bead	N90-18568

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S&W K,L,N (reduced power)

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Jerry Miculek Competition Grips \$79.95

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N-Fr. Sq. Butt	N90-11325
K, L-Fr. Rd. Butt	N90-11327
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Hogue "Big Butt" Grips \$79.95



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Hogue Competition S&W Revolver Thumb Latch fits K, L, and N-Frames

Stainless	N90-19921	\$59.95
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S&W N-Fr. Rd. Butt	N90-12141
K, L-Fr. Rd. Butt	N90-12140

California Competition Works⁵⁷ .22 LR Speedloader



TUFF PRODUCTS QuickSTRIPS

TUFF QuickStrips are available for a variety of revolver calibers from .17 HM2 to .500 Linebaugh.

\$8.50 for a package of 2.

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.32/.327/9mm (8 rd.)	N90-11738
.38/.357/.40/10mm (5 rd.)	N90-11740
.38/.357/.40/10mm (6 rd.)	N90-11741
.38/.357/.40/10mm (7 rd.)	N90-27083
.38/.357/.40/10mm (8 rd.)	N90-11742
.41Mag./45 ACP (6 rd.)	N90-11748
.45 Auto Rim (6 rd.)	N90-11751
.44 Sp.-Mag./45 Colt/.460 S&W/.410 Shotshell (6 rd.)	N90-11750



California Competition Works' 10-Round Speedloader for S&W Model 617 .22 LR Revolvers is ideal for Steel Challenge or Ruger Rimfire Series competition. The speedloaders are machined from 6061 T6 aluminum, then black anodized. The Loading Block (inset photo) is CNC machined from polymer and holds 120 rounds of .22 LR ready for insertion into speedloaders.

CCW Model 617 Speedloader	N90-12623	\$34.95
Model 617 Speedloader Handle	N90-43385	10.00
CCW .22 LR 120 Rd. Loading Block	N90-12627	49.95
CCW .22 LR 240 Rd. Loading Block	N90-12599	100.00

North Mountain Moon Clip Holder



I've tried several methods of holding my moon clips, and this works best for me! My hand only has to go to one place, so I no longer grope around frantically for my reloads. – *Mark Pixler*

N-Frames & 7-Shot L-Frames **N90-21883** **\$130.00**

Stainless EDM 8-Shot Moon Clips



These .025 EDM Stainless Moon Clips are designed to fit Remington brass SNUGLY, eliminating nasty "cartridge flop" when you reload.

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for 8-Shot S&W
G27 Revolvers

Safariland Competition Gear for Revolver Enthusiasts



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Revolver "Speedloaders"	\$11.95
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S&W K-Frame	N90-13104
S&W L-Frame	N90-13074
"Speedloader" Holders	\$9.95
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"Speedloader Loading Blocks"	\$24.95
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A.

B.

C.

D.



E.

F.

G.

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D. Striker Channel Liner	N90-18881	9.95

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Guide Rod, GLOCK 19, 23	N90-11435	24.95
Guide Rod, GLOCK 20, 21	N90-11352	24.95
Recoil Spring, 12#	N90-11420	7.99
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California Competition Works 59

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60 HOGUE®

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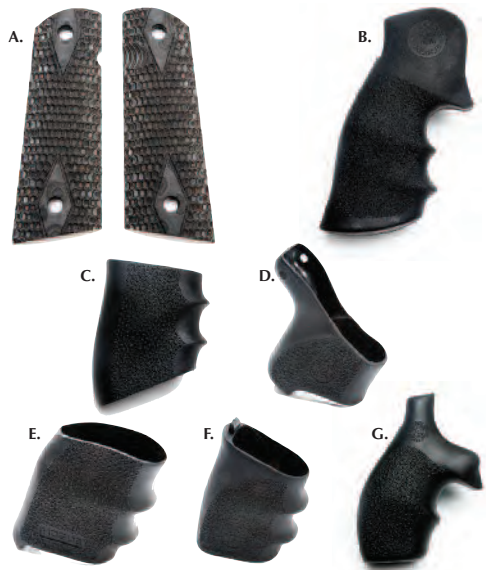
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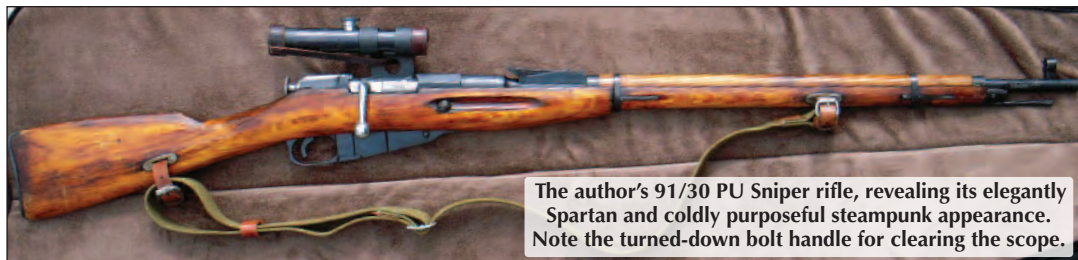


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The 91/30 Mosin-Na



The author's 91/30 PU Sniper rifle, revealing its elegantly Spartan and coldly purposeful steampunk appearance. Note the turned-down bolt handle for clearing the scope.

By Gus Cotey

Military snipers are elite warriors who have proven invaluable on the battlefield throughout their long history. They can be likened to surgeons able to precisely eliminate specific, high-value enemy personnel such as members of opposing force's command and control structure, machine gunners, mortar crewmembers, artillerymen, and, of course, enemy snipers. A single sniper can wreak havoc on an enemy force's operational efficiency by decapitating its leadership and neutralizing essential heavy weapons and specialized equipment operators at the most inopportune times. Furthermore, military snipers are able to demoralize an enemy force by randomly taking out individual soldiers and creating high levels of anticipatory stress in the remaining ones. In short, one sniper can bring scores of enemy troops to a virtual standstill.

Snipers were employed on both sides during the American Civil War using then-state-of-the-art long-range armaments such as Sharps and Whitworth rifles, with some equipped with early telescopic sights. These specialized, highly trained warriors proved their worth in numerous campaigns during this bloodiest of American conflicts.

Moving up to WWI and we have the Germans being the first to employ large numbers of trained snipers equipped with scope-sighted versions of their Gewehr 1898 Mauser rifles – caliber 7.92x57mm – into the fray and inflicting many thousands of casualties upon the ranks of Allied soldiers. The armies of the British Empire, and later on, the U.S., would follow suit with optically sighted versions of their own service rifles in the hands of their own specially selected and trained elite troops. The Imperial Russian Army, on the other hand, never got on the program with respect to employing their own snipers to any significant extent during WWI and suffered the consequences for their lack of willingness to innovate at the hands of their German foes.

Following WWI and then the Bolshevik Revolution, the now-Soviet military's planners in 1932, remembering the mistakes of their Imperial Russian forebears, recommended the utilization of the 91/30 variant of the Mosin-Nagant in the role of a

sniper rifle as part of their modernization program. These rifles were initially purpose-built to more exacting tolerances on separate production lines. Later on, when the numbers of purpose-built sniper rifles failed to meet the demand for such weapons in the field, standard-issue 91/30s from the normal production lines selected during post-assembly test firing for their exceptional accuracy were pressed into service for sniping. These weapons were then taken off the regular production lines where they were fitted with extra-long, turned-down bolt handles to permit the use of a scope, had their triggers tuned for smooth, creep-free let-offs, and had whatever other needed fine-tuning done to them to best suit them for their intended purposes as precise battlefield scalpels, just like their purpose-built counterparts.

The first scope used on Soviet Russian 91/30 sniper rifles was the 4x Model PT (often referred to as the PE) made in Germany by the Carl Zeiss optics company. This scope featured focus adjustment of the rear (ocular) lens. The second was a Soviet-built, simplified copy of the German scope minus the focus adjustment feature designated as the Model VT (often referred to as the PEM). These scopes were initially mounted by means of an early mount attached to the front end of the receiver atop the chamber or by a later type of side mount attached to the left side of the receiver. The third type of Soviet sniper optic, and the last to be used on the 91/30 was the 3.5x PU scope (Pritsel Universalnei; meaning, *Scope Universal*). This scope was mounted onto the left side of the receiver by means of an improved mount featuring vertical point-of-impact adjustment and relatively quick detachment features. This mount allowed for the immediate use of iron sights in an emergency. According to noted Mosin-Nagant authority, Terrence W. Lapin, this last scope made its debut in 1940, but he also notes that some authorities state that date to be early 1942.

The PU scope was originally intended for the sniper's variant of the SVT 40 semiautomatic rifle, caliber 7.62x54R, which also saw action in WWII. The Mosin-Nagant 91/30 PU scope-equipped sniper rifle proved to be more accurate than the SVT 40, so it became the standard frontline Soviet

giant PU Sniper Rifle

sniper rifle until being replaced by the caliber 7.62x54R semiautomatic SVD Dragunov purpose-designed sniper rifle in 1963.

The PU scope's reticle is of German design and consists of a vertical post with a point on the top and two inline horizontal posts. The width of the vertical post and the two horizontal posts cover 20 cm (7.874 inches) at 100 meters, while the space between the two horizontal posts covers 70 cm (27.559 inches). These known widths are used to determine the ranges of enemy personnel and objects downrange.

I have the good fortune of owning an actual 91/30 PU sniper rifle. My particular specimen is an older octagonal receiver model built at the Izhevsk Arsenal in the Republic of Udmurtia. The barrel is stamped 1931 and the bore is in very good condition. The muzzle crown is consistently sharp throughout its circumference and all four lands are perfectly intact to the very end, indicating that its previous users practiced proper gun hygiene. The right side of the buttstock is stamped with a square containing a diagonal line running from the top left corner to the bottom right corner indicating arsenal refurbishment. There are two galvanized steel pads at the base of the trigger guard inlet corresponding to each guard screw for the purpose of consistently applying clamping pressure when the screws are tightened.

The serial numbers and factory markings on the rifle have been very neatly applied as one would expect from a prewar-built rifle; however, the rifle's barrel and receiver have a rather dull black oxide looking finish that appears to have been applied during refurbishing. My rifle's stock is in very good condition with signs of honest wear that one would expect from a piece this old and the cutout for the scope mount has been executed with expert workmanship.

The mounting system for the 91/30 PU sniper rifle is two-piece unit; a base plate and a rail with integral scope rings. The base plate is mounted to the left side of the receiver via two studs and two mounting screws. Each of the two mounting screws is secured from shooting loose by a locking screw that perfectly fits into a corresponding round counterbored cutout on the mounting screw head when the mounting screws are tightened down. The front of the base plate is equipped with a spherically shaped projection that enters into a corresponding socket on the front of the rail. The rear of the base plate has two vertically spaced square bosses projecting from it, each with a headless screw running through it. The purpose of these screws is to elevate or lower the rear of the scope-mounting rail in order to vertically change the impact point. There is also another larger boss

projecting from the rear of the base plate that has a very substantial set screw running through it at an angle in order to lock the back end of the mounting rail into place once vertical adjustments to the impact point are made.

Soviet sniper rifles had their scopes zeroed for elevation at the factory and snipers were forbidden to attempt their own elevation adjustments on the scope mount. These scopes whose elevation adjustments were calibrated for standard 7.62x54R 148-grain Ball ammo were probably initially sighted in at a close distance; say 25 meters with the scope set at 200 meters to get rounds on the paper and then hitting an aiming point. Once this was done, the distance was increased to 100 or 200 meters and the scope's elevation knob set to match the actual range. The rear elevation screws were then fine-tune adjusted to precisely match the point of aim with the point of impact at this longer distance. The set screw was then tightened down to lock everything in place. The top elevation knob could now be used at various distances. This knob is adjustable from 100 to 1300 meters in 100-meter increments and also allows for more additional movement below 100 meters.

I have found that the best way to precisely adjust the vertical impact point at a given distance utilizing the PU scope mount's adjustment mechanism is by using shims derived from common materials. For example, with my PU scope set at 100 meters, I was shooting 2 inches above the point of aim at 100 yards (I don't have access to a metric shooting range). The distance between the tip of the spherically shaped projection on the baseplate of the scope mount to the centerlines of the two vertical adjustment screws is 2.75 inches. To lower the point of impact, the rear of the scope mounting rail must be lowered. To determine how much 0.001 inch of downward movement of the rear of the scope mount rail would lower the point of impact at 100 yards (3,600 inches). To calculate this, one divides 0.001 by 2.75 and multiplies the answer by 3,600 to yield 1.3091 inches. This would indicate that a 0.0015 inch of vertical scope mount rail movement would translate to 1.96365 or close enough to 2 inches for practical purposes.

For a shim, I used a piece of a plastic candy bar wrapper which I measured with a micrometer as being 0.0015 inch thick. I loosened the bottom vertical adjustment screw at the rear of the mount base, slid the makeshift shim into the resulting gap, and turned the screw down snug, but not tight enough to displace the shim material. I then loosened the top screw, pulled the shim out, and then tightened it down again, after which I tight-

Continued on Page 69

64 Dillon Ammunition Boxes

Description	Stock #	Each	10 ea.	Case(Qty.)
9mm (50 rd)	N90-13784	\$1.58	\$13.50	\$58.00(50)
9mm (100 rd)	N90-13645	1.81	15.40	66.00(50)
.38/.357 (50 rd)	N90-13476	1.79	14.70	63.00(50)
.38/.357 (100 rd)	N90-13766	2.20	18.80	80.50(50)
.44 (50 rd)	N90-13568	1.79	15.30	65.50(50)
.44 (100 rd)	N90-13680	2.92	24.90	106.50(50)
.45 ACP (50 rd)	N90-13715	1.73	14.70	63.00(50)
.45 ACP (100 rd)	N90-13574	2.83	24.20	103.50(50)
Small Rifle (50 rd)	N90-13740	2.05	17.50	75.00(50)
Medium Rifle (20 rd)	N90-13625	2.05	17.50	120.00(80)
Medium Rifle (50 rd)	N90-13665	2.90	24.70	106.00(50)
Large Rifle (20 rd)	N90-13647	2.01	17.20	73.50(50)
Large Rifle (50 rd)	N90-13231	3.20	27.30	117.00(50)

NOTE: ".38" series cases fit .38 Super, .32-20, .30 Carbine and .30 Mauser; "9mm" series cases fit .30 Luger, 9 x 21 and .380; ".44" series cases fit .41 Mag, .44-40 and .45 Colt; and ".45" series cases fit 10 mm and .40 S&W. "Small rifle" cases fit .222, .223 to 7.62 x 39 length; 20 round "medium rifle" cases fit 7.62 x 39, .22-250 to .30-06 length; 50 round "medium rifle" cases fit .22-250, .308 to .30-30 length; and "large rifle" cases fit .30-06, 8 x 57 length to all belted cartridges.

Extra Loading Data Labels, N90-10446, Package of 100, \$6.95



Try a few of Dillon's heavy-duty, lightweight plastic ammo boxes. If you're like us, you're tired of crumbling styrofoam and cardboard boxes held together with layers of tape. These boxes are perfect for range or field use. Designed to keep out dirt, dust and rain.

Dillon AkroBins

AkroBins are ideal for reloaders who load several calibers, bullet weights, bullet shapes, etc. We've been including these bins with our machines for years, and now we're stocking them in quantity for our customers.



- The small bins (the ones we use as Square Deal "B" cartridge bins) are 4-3/4" long x 3-7/16" wide x 2-13/16" deep.
- The RL 550/XL650 cartridge bins are 6-3/4" long x 3-

7/16" wide x 2-13/16" deep.

- The 1050 bins are 10-1/4" long x 4-3/8" wide x 4-3/4" deep.
- The double-extra-large bins we use on our SL 900 measure 13-3/4" long x 6-1/2" wide x 6-3/4" deep (all inside dimensions).

AkroBins are made of heavy-duty polypropylene with permanent, molded-in color (ours are blue). They're virtually unbreakable; unaffected by weak acids and alkalis, and are also water, rust and corrosion proof. Hang 'em, stack 'em, rack 'em and fill 'em – you just can't beat 'em! Buy several and get your "stuff" together.

Description	Stock #	Each	6 ea.	12 ea.
"Square Deal" Bin	N90-13756	\$2.95	\$15.30	\$24.84
"RL 550/XL 650" Bin	N90-13839	2.95	15.30	24.84
"RL 1050" Bin	N90-13484	6.95	34.92	61.92
"SL 900" Bin	N90-17125	10.50	56.94	106.92

Dillon Utility Boxes

Dillon's Utility boxes are ideal for all those accessories that don't quite fit into the compartments of your shooting bag. The large box measures 13-1/2" x 5-3/4" x 2-1/4" and the small box measures 4-5/8" x 6-3/8" x 1-5/8". Use them for cleaning gear, extra magazines, repair parts, first aid supplies, reloading accessories and tools – the list is endless.

Description	Stock #	Each	5 ea.
Small Utility Box	N90-13636	\$2.65	\$10.95
Large Utility Box	N90-17195	5.75	23.95



Berry's Manufacturing Ammo/Storage Boxes

Description	Stock #	Each	10 ea.	50 ea.
.500 S&W (50 rd)	N90-19243	\$2.98	\$22.40	\$97.00
NOTE: .500 S&W Ammo Boxes also fit .223/.243/.308 WSSM				
.454 Casull (50 rd)	N90-19244	2.98	22.40	97.00
.45/70 (50 rd)	N90-19245	3.29	24.20	105.00
7.62 x 54R (50 rd)	N90-19247	3.50	25.50	110.50
.300 Ultra (50 rd)	N90-19246	3.50	25.50	110.50
20 Ga. (25 rd)	N90-19248	2.24	16.80	72.50
12 Ga. (25 rd)	N90-19249	2.24	16.80	72.50
Storage Boxes				
4-3/8" x 2" x 1-5/8"	N90-19250	\$1.12	\$8.40	\$36.50
4-1/2" x 4-1/2" x 1-5/8"	N90-19251	2.32	17.40	75.50
5-1/2" x 2-5/8" x 2-1/2"	N90-19252	2.22	16.70	72.00

Swab-its – A Swab for Every Job! ⁶⁵



No s#!+, there I was...in my office, cleaning my 686 SSR when the boss walks in with that “whisky-tango-foxtrot” look on his face. “Hi,” I said (*thinking fast*), “I’m trying out these Bore-tips before I write the *Blue Press* copy for them. They work GREAT!” The **Bore-tips Swabs** REALLY DO work. What you can’t see under the foam is a plastic jag sized for a tight bore fit which provides for the uniform application of solvents and oils. They work with all standard 8-32 thread cleaning rods, and are tough and reusable.

.22/5.56mm (6 ea.)	N90-15310	\$4.98
.243/6mm (6 ea.)	N90-15311	4.98
.30/7.62mm (6 ea.)	N90-15312	4.98
.357/9mm (6 ea.)	N90-15313	4.98
.40/10mm (5 ea.)	N90-15314	4.98
.45 Caliber (5 ea.)	N90-15315	4.98
20 Gauge (3 ea.)	N90-15326	8.98
12 Gauge (3 ea.)	N90-15325	8.98
Multi Pack: (6) .22/5.56, (6) .30/7.62, (6) .357/9mm, (5) .40/10mm, (5) .45	N90-43312	26.99



Gun-tips® 3” Precision Tip foam swabs are reusable. 24-count value pack.
N90-15345 \$9.99

Gun-tips®



Gun-tips® Extended Reach Firearm Cleaning swabs by Swab-its® revolutionize the way you clean your gun. The foam tips are lint free, reusable and ideal for cleaning trigger assemblies, slide rails, springs, extractors and anywhere else space is tight. 24 per package.

N90-12583 \$9.99

Bore-Whips™



Bore-Whips™ .17 and .22 caliber (pictured) by Swab-its® are ideal for air rifles, rimfires or any other .17 or .22 caliber firearm that’s difficult to clean from the breach. The foam tips are reusable and the handle functions as an empty chamber indicator.

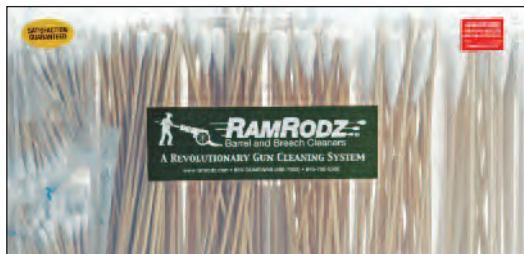
.17 Cal.	N90-12689	\$9.99
.22 Cal. (Pictured)	N90-12690	9.99

Gun-tips®



Gun-tips® foam swabs are reusable and replace cotton swabs. 9-pack
N90-15316 \$4.99

Ram Rodz Barrel and Breech Cleaners



The RamRodz® Range Kit comes with 400 Breech Cleaners, 100 .22-Caliber swabs, 60 .38-Caliber swabs, 50 .40-Caliber swabs, 40 .45-Caliber swabs and 30 .50-Caliber swabs.

N90-43293 \$34.95



Ram Rodz Barrel & Breech Cleaners

.22 Caliber/5.56mm, 300 count	N90-43289	\$12.95
.38 Caliber/9mm, 200 count	N90-43290	12.95
.40 Caliber/10mm, 100 count	N90-43291	12.95
.45 Caliber, 75 count	N90-43292	12.95

Open 7-6 MST, M-F; 8-3 Sat. • VISA, MasterCard, Discover, C.O.D. • Shipping and HazMat Not Included

KEEP YOUR GUNS! (Clean)



Product is color-coded by caliber. White shown here for clarity only.

Bore Snake, the "World's Fastest Gun Bore Cleaner"™ from Michaels of Oregon is a better way to clean handguns, rifles and shotguns. Originally sold as a field tool, this product is popular with gunsmiths and benchrest shooters as well.

.22 cal. Pistol	N90-10426	\$22.95
.357/.38/9mm	N90-10427	22.95
.40 cal. Pistol	N90-10428	22.95
.44/.45 cal. Pistol	N90-10429	22.95
.22 cal. Rifle	N90-10420	22.95
.243 cal. Rifle	N90-10421	22.95
.270/7mm Rifle	N90-10422	22.95
.30 cal. Rifle	N90-10423	22.95
.357/.375 cal. Rifle	N90-10424	22.95
.410/.458	N90-10425	22.95
.50/.54/28 Ga.	N90-10432	22.95
20 Ga. Shotgun	N90-10431	23.95
12 Ga. Shotgun	N90-10430	23.95
37/40mm Launcher	N90-15465	46.95

MIL-COMM

Extreme Performance Lubricants



TW25B is the choice of leading firearms manufacturers, armorers, pro shooters and gun enthusiasts, and is recognized as the world's best all-purpose weapons lubricant/protectant. It is now widely specified by the U.S. military for their most critical performance weapons systems. Environmentally safe, non-carcinogenic, non-ozone-depleting.

0.5 Oz. Syringe	N90-15732	\$10.99
1.5 Ounces	N90-15731	14.50

Revolver BLAST with TW25B is an all-synthetic lubricant/protectant specifically designed for revolvers.

4.2 Oz. Aerosol	N90-66677	\$11.95
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J. Dewey Mfg. Co. Cleaning Patches

Packages of 1000		
.17 cal.	N90-11807	\$12.95
.22-.24	N90-11808	14.95
Packages of 500		
.24-.27	N90-11809	\$11.95
.30-.35	N90-11810	13.95
Packages of 250		
.38-.45	N90-11811	\$11.95
12-16 ga.	N90-11812	13.95

E-Z Brite Wonder Cloth



On gun dealers shelves since 1976, this product is still a must for keeping stainless steel and nickel-finished revolvers looking like new. Demand the original lead and carbon wipe!

E-Z Brite Cloth	N90-18613	\$6.99
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Otis

Technology, Inc.
Breech-to-Muzzle
Cleaning
System



The **Otis Technology, Inc. Breech-to-Muzzle Cleaning System** cleans rifles .22 to .50 cal., shotguns .410 bore to 10 gauge and pistols .22 to .45 cal. The system includes three memory-flex rods, three forged brass tips, two obstruction removers, a T-handle, 0.5 ounce solvent, all-caliber patches, a shotgun brush adapter, two patch savers, five bore brushes, a bore reflector and a cleaning guide. Lifetime warranty!

N90-18174	\$39.95
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M-PRO7

M-PRO7™ Gun Cleaner is odorless, non-toxic and biodegradable. "Safely cleans rifles, handguns, shotguns..., black powder, corrosive priming deposits and much more."

4 oz.	N90-10139	\$11.95
8 oz.	N90-10138	18.95
32 oz.	N90-11298	40.95

M-PRO7™ Copper Remover works up to four times faster than ammonia-based cleaners and is odor free.

4 oz.	N90-19370	\$11.95
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FrogLube

FrogLube is a bio-based cleaner, lubricant and preservative (CLP) product. FrogLube Solvents are designed to quickly attack surface fouling, baked-on or filmed residues and other metallic fouling such as lead and copper, while protecting firearms coatings, paints, wood and other materials from the corrosive effects of petroleum-based, flammable and toxic weapons care products.



4 Oz. Paste	N90-15443	\$10.99
4 Oz. Liquid	N90-15444	17.59



Brian Enos' Far Superior Slide-Glide is a dual grease blend, with proprietary extreme pressure compounds, which boost the ability of the oils in the grease to withstand extreme pressures. It gives the grease a very stringy, tenacious character that makes it stay where you put it.

Slide-Glide Standard is for use in warm weather (F60+), Lite is a thinner viscosity for lower temperatures (F30+).

Slide-Glide Standard	N90-15571	\$7.95
Slide-Glide Lite	N90-15572	7.95

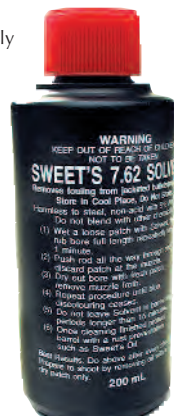


Microlon UltraBlue protects, penetrates and lubricates all surfaces. UltraBlue is in use by the US Army Marksmanship Training Unit, the US Army Pistol and Rifle Teams and the US Marine Corps Pistol and Rifle Teams.

N90-75125	\$9.95
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Sweet's Australian 7.62 Solvent easily removes powder residue and stubborn copper fouling. It's harmless to steel, a non-acid formula with five percent ammonia. If you shoot a rifle, you ought to try cleaning it with Sweet's.

N90-13128	\$12.95
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J. Dewey Manufacturing Co. 67



DEWEY Nylon Coated Cleaning Rods

All Caliber Pistol 6"	N90-15461	\$19.95
(.22-.26 Jag Adapter for All Caliber 6" rod)	N90-19894	3.25
(.22 & up Adapter for All Caliber 6" rod)	N90-19895	3.25
.22-.26 Caliber Pistol 12"	N90-12985	23.95
.17 Caliber Rifle 26"	N90-11472	22.95
.17 Caliber Rifle 36"	N90-11473	25.95
.22-.26 Caliber Rifle 36"	N90-13084	26.95
.22-.26 Caliber Rifle 44"	N90-15462	25.95
(.22-.26 Jag Adapter for Rifle rod)	N90-14542	2.25
.27 Caliber and up Pistol 12"	N90-13021	23.95
.27 Caliber and up Rifle 36"	N90-12991	24.95
.27 Caliber and up Rifle 44"	N90-15463	25.95
.35 Caliber and up Rifle 36"	N90-17096	29.95
.35 Caliber and up Rifle 44"	N90-17097	29.95
(.27 & up Adapter for Rifle rod)	N90-14541	2.25
Shotgun Rod (Uncoated Brass)	N90-10473	24.95
2-pc Shotgun Rod	N90-15464	31.99

Brass Jags (Note: These jags ONLY fit Dewey Cleaning Rods!)

.22 Caliber Brass Jag	N90-10026	\$2.99
.24 Caliber Brass Jag	N90-10027	2.99
.27 Caliber Brass Jag	N90-10025	2.99
.30 Caliber (and up) Brass Jag	N90-10867	2.99
.38 - .41 Cal. Brass Jag	N90-10028	2.99
.44 - .45 Cal. Brass Jag	N90-10243	2.99

Brass Patch Loop

Accepts most pistol and rifle patches	N90-10737	\$2.25
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.17 Caliber Bore Brushes

.17 Caliber Rifle/Nylon (ea.)	N90-11475	\$1.95
.17 Caliber Rifle/Bronez (ea.)	N90-11474	1.95

Nylon Bore Brushes

.22 Caliber Rifle (ea.)	N90-16144	\$1.95
.243 Caliber Rifle (ea.)	N90-16145	1.95
.270 Caliber Rifle (ea.)	N90-16146	1.95
.30 Caliber Rifle (ea.)	N90-16147	1.95
.22 Caliber Pistol (ea.)	N90-16302	1.95
.38 Caliber Pistol (ea.)	N90-16148	1.95
.40 Caliber Pistol (ea.)	N90-16149	1.95
.45 Caliber Pistol (ea.)	N90-16150	1.95

Bronze Bore Brushes

.22 Caliber Rifle	N90-16278	N90-22089
.25 Caliber Rifle	N90-16293	N90-22094

Each/\$1.50 5 pack/\$5.50

.243 Caliber Rifle	N90-16280	N90-22091
.270 Caliber Rifle	N90-16274	N90-22085
.30 Caliber-7.62mm Rifle	N90-16273	N90-22084
.35 Caliber Rifle	N90-16281	N90-22092
.44-.45 Caliber Rifle	N90-16279	N90-22090
.22 Caliber Pistol	N90-16282	N90-22093
.38 Caliber-9mm Pistol	N90-16275	N90-22086
.40-.41 Caliber-10mm Pistol	N90-16276	N90-22087
.44-.45 Caliber Pistol	N90-16277	N90-22088

Cotton Mops

.22-.27 Caliber (ea.)	N90-17089	\$1.95
.30-.38 Caliber (ea.)	N90-17090	1.95
.400-.450 Caliber (ea.)	N90-17091	1.95
16, 12 & 10 Ga. Shotgun (ea.)	N90-17094	1.95

M-16/AR-15 Breech Rod Guide/Chamber Brush

Breech Rod Guide	N90-10149	\$20.00
AR-15 Chamber Cleaning Brush	N90-11299	3.50

Deluxe M-16/AR-15 Lug Recess Cleaning Kit

Lug Recess Cleaning Kit	N90-18533	\$27.95
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Includes: Chamber Cleaning Rod, Lug Recess Cleaning Head, Delrin Guide Sleeve, 50-pak Cotton Cleaning Rolls, Chamber Brush, Chamber Mop, Double-Ended Nylon Cleaning Brush.

Bolt Action Rifle Cleaning Rod Guides

All models fit .695-.700 bolt diameter rifles.

.17-.222, .225, .22/250, .220 Swift	N90-14196	\$18.95
.243 Caliber - 7mm	N90-14197	18.95
.30 Caliber	N90-14198	18.95
.338 Caliber	N90-14199	18.95

Muzzle Guards

AR-15/M-16	N90-16875	\$10.95
M1-A/M-14	N90-16876	10.95
M1 Garand	N90-16878	10.95
Ruger 10-22 Standard Bbl.	N90-16877	10.95
Ruger 10-22 Bull Barrel	N90-16879	10.95
Brass Muzzle Guard, .30 Cal.	N90-17245	10.95

Nylon Gun Parts Cleaning Brush

Parts cleaning brush	N90-16389	\$2.25
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Dewey's AR-Link Cleaning Pin utilizes the rear take-down pin in your AR-15 style rifle to hold the upper and lower receivers open for cleaning. It fits AR-15s and AR-10s with take-down pins up to .316" in diameter. To use, 1) Depress the rear take-down pin and pull out. 2) Pivot the upper and lower receivers apart. 3) Insert the pin on the AR-Link into the upper receiver take-down pin tab. 4) Close receivers with the AR-Link inserted into the lower receiver. 5) Push the take-down pin through the channel in the AR-Link to lock the upper and lower receivers into place. 6) Clean your rifle. 7) To remove AR-Link, reverse the above steps.

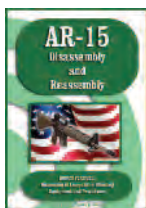


N90-18599 \$14.95

On-Target Productions, Ltd. Videos

On-Target Productions, Ltd.

videos are designed to educate enthusiasts about the selection, proper use, cleaning, disassembly/reassembly, and accessorizing of firearms. On-Target Productions' videos are 100 percent digital quality, focused on the details and are entertaining and educational. Every video features clear, close-up



photography to enhance the instructional narrative from start to finish.

"AK-47"	40090	\$19.95
"AR-15"	40087	19.95
"AR-15 Maintenance & Modifications"	40099	24.99
"Scratch Building an AR-15"	40101	19.95
"1911"	40086	19.95
"GLOCK"	40083	19.95
"M1 Carbine"	40095	19.95
"M1 Garand"	40094	19.95
"Mossberg 500"	40092	19.95

"Remington 870"	40089	19.95
"Ruger Mk. 2"	40091	19.95
"Ruger Mk. 3"	40097	19.95
"Ruger 10/22"	40088	19.95
"Ruger Mini-14"	40096	19.95
"SKS"	40093	19.95
"S&W M&P"	40084	19.95
"S&W Revolvers"	40100	19.95
"Sig Sauer P226"	40098	19.95
"Springfield Armory XD"	40085	19.95

All videos are DVD format.

WILSON COMBAT



A.

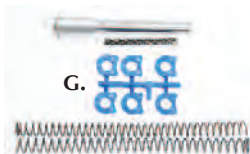
B.

C.

D.

E.

F.



G.



H.



I.

Wilson Combat's Elite Tactical Magazine HD +P – "The ETM Heavy Duty/+P rated .45 ACP magazines with exclusive stainless flatwire MAX magazine spring and time-tested ETM tube."

A. (8 rd) .45ACP **N90-18602 \$44.95**

Elite Tactical Magazine – "The ETM started with a blank sheet of paper and 30-plus years of 1911 and 1911-magazine experience; designed from the ground up as a premium tactical magazine."

B. ETM (8 rd) .45ACP **N90-12027 \$34.95**

C. ETM (10 rd) 9mm **N90-19463 \$34.95**

Wilson Combat Magazines – "No other .45 magazine on the market can compare for proven inherent reliability, durability and the ability to remain fully loaded for long periods of time without damage."

D. Match Magazine (7 rd) .45ACP **N90-10505 \$32.95**

E. WIL-ROG Mag (8 rd) .45ACP **N90-11714 \$32.95**

F. Officers Match Mag. (7 rd) .45ACP **N90-10506 \$32.95**

SHOK-BUFF® Recoil System – Includes a One Piece Guide Rod and Plug; six SHOK-BUFF buffers; an Extra Power Firing Pin Spring; an Extra Power Recoil Spring; and a Reduced Power Recoil Spring.

G. SHOK-BUFF System **N90-18150 \$37.05**

Wilson SHOK-BUFF® – A 1/10" thick poly fiber buffer between the frame and slide contact areas.

H. SHOK-BUFF Kit (2 buffers, 18.5# recoil spring) Gov't Model **N90-18148 \$5.95**

I. SHOK-BUFF Buffer only (6 ea.) **N90-18147 \$6.95**

WOLFF GUNSPRINGS



Wolff RECOIL SPRINGS

BROWNING HI-POWER

18.5 Pound **N90-11373 \$7.25**

COLT GOVERNMENT MODEL

9 Pound **N90-11719 \$7.25**

10 Pound **N90-12193 7.25**

12 Pound **N90-12007 7.25**

13 Pound **N90-12443 7.25**

14 Pound **N90-12338 7.25**

16 Pound (Std.) **N90-11860 7.25**

17 Pound **N90-12192 7.25**

18.5 Pound **N90-12465 7.25**

20 Pound **N90-12056 7.25**

23 Pound **N90-11377 7.25**

COLT OFFICERS MODEL

24 Pound **N90-12110 \$7.25**

CZ 75B

9 Pound **N90-19348 \$7.98**

10 Pound **N90-19349 7.98**

11 Pound **N90-19350 7.98**

12 Pound **N90-19351 7.98**

13 Pound **N90-19352 7.98**

14 Pound (Std.) **N90-19353 7.98**

SMITH & WESSON M&P

12 Pound **N90-19356 \$7.98**

14 Pound **N90-19357 7.98**

15 Pound **N90-19358 7.98**

16 Pound (Std.) **N90-19359 7.98**

SPRINGFIELD 5" 9/40 XD

12 Pound **N90-19339 \$7.98**

13 Pound **N90-19340 7.98**

14 Pound **N90-19341 7.98**

15 Pound **N90-19342 7.98**

16 Pound **N90-19343 7.98**

17 Pound (Std.) **N90-19344 7.98**

SPRINGFIELD 5" 45 XD

14 Pound **N90-19345 \$7.98**

16 Pound **N90-19346 7.98**

18 Pound **N90-19347 7.98**

SPRINGFIELD 4.5" 9/40 XDM

14 Pound **N90-19336 \$7.98**

16 Pound **N90-19337 7.98**

18 Pound (Std.) **N90-19338 7.98**

Wolff GUIDE RODS

S&W M&P **N90-19354 \$24.95**

Sp'field XDM 4.5 **N90-19355 24.95**

Wolff HAMMER SPRINGS

1911 **N90-11511 \$9.00**

Wolff MAG CATCH SPRINGS

1911 **N90-11791 \$9.95**

SPRINGFIELD Magazines/1911 Guide Rod



Springfield XD & XDM Magazines

16-Rd. XD 9mm **N90-11586 \$31.95**

12-Rd. XD .40 **N90-11587 31.95**

13-Rd. XD Comp. 9mm **N90-11765 29.95**

9-Rd. XD Comp. .45 **N90-11764 29.95**

13-Rd. XD/XDM .45 **N90-11585 32.95**

19-Rd. XDM 9mm **N90-15496 36.95**

7-Rd. XD-S 9mm **N90-19681 28.95**

8-Rd. XD-S 9mm **N90-11731 39.95**

9-Rd. XD-S 9mm **N90-19680 39.95**

16-Rd. XDM .40 **N90-19971 36.95**

5-Rd. XD-S .45 **N90-15234 28.95**

6-Rd. XD-S .45 **N90-11730 39.95**

7-Rd. XD-S .45 **N90-15235 39.95**

Two-Piece 1911 Recoil Spring Guide Rod – Machined from stainless steel.

N90-15724 \$24.95

Chip McCormick Custom L.L.C.

Designed to give the pistol shooter the advantage of extra shot capacity and improved performance.

XP 10-Rd. 9mm **N90-43261 \$35.95**

Ext. 9mm Base Pad **N90-43300 \$4.99**

.45 ACP 8-Rd. (Floorplate drilled to accept base pads.) **N90-10311 \$22.95**

.45 ACP 10-Rd. **N90-15025 \$25.95**



ened down the large set screw. Problem solved!

The PU rifle scope has its horizontal adjustment knob on the left side. Rotating the knob counterclockwise moves the impact to the right and turning it clockwise moves it left. Each graduation is 1 mil, which is rather coarse. A Soviet mil is defined as 1/6,000 of the circumference of a circle. At 100 yards, this translates to 1/6,000 of the circumference of a circle with a radius of 3,600 inches and a diameter of 7,200 inches, which comes out to 3.77 inches (9.58 cm) at 100 yards per graduation. At 100 meters, this would be 4.123 inches (10.47 cm) of horizontal impact point change per graduation. The only way to achieve small, precise horizontal impact changes with a PU scope is to estimate fractional increments between graduations which, with practice, actually works pretty well.

My PU sniper rifle's trigger has been well tuned by the Soviet Russian gunsmiths. Unlike most standard-issue Mosin-Nagant triggers which exhibit considerable creep, this rifle's trigger, while a bit on the heavy side, is smooth and allows the sear to smoothly roll off of its contact point on the cocking piece in creep-free fashion. So far my best factory ammo accuracy with this rifle, has been with Privi Partizan Serbian-made 150 SPBT ammo and Hornady 150-grain SST steel cased loads, with 5-shot groups running 1.1 to 1.7 inches at 100 yards when I do my part. The Hornady load appears to have a slight edge in accuracy. Carefully worked up handloads have shown even better accuracy. One load in particular of 52.0 grains of IMR 4350 powder, Federal 210 primers, Privi Partizan brass, and a 0.311-inch diameter Sierra Matchking bullet loaded to an overall length of 2.945 inches has yielded 100 yard groups in the 0.8 to 1.1 inch range.

Sniper rifles are of no use without a ready supply of snipers to use them and one of the main traits of a sniper is excellent marksmanship. The Soviet military command staff put a great emphasis on good marksmanship as a whole, and valued trained snipers in particular. To this end, they set up entire regiments of trained snipers ready to ply their lethal craft against invading enemies. To further bolster the marksmanship level of citizens who could be pressed into military service in times of war, the Soviets even had their version of a Civilian Marksmanship Program prior to WWII known as the Voroshilovskiy Strelok (Voroshilov Marksman) which was extremely popular. One was not considered a good high-school or college student if he or she received poor range scores. Belonging to a civil-defense club and regular range attendance were considered a sign of good citizenship.

Soviet snipers were also selected from the ranks of hunter/woodsman types who grew up in the

wilds of the Ural Mountains and Siberia. A hard and dangerous early outdoor background made these rugged people well-suited for combat.

Soviet snipers serving during WWII were usually paired with spotters. The spotter would employ specialized binoculars and periscopes to identify targets, determine ranges, and spot hits or misses. Some of these snipers racked up some phenomenal kill counts. The Soviet army's top sniper was Ivan Mikhailovich Sidorenko, with a kill count of 500 enemy soldiers. The second top one was former locksmith, Nikolay Yakovlevich Ilyin with a score of 494 (496 according to some sources). The best-known Soviet sniper of WWII was Vassili Zaitsev (made popular in the US by the 2001 film, "Enemy at the Gates") who is credited with killing 225 Germans, including 11 snipers, in just two months during the Battle of Stalingrad. It is said that his total *unofficial* kill count of the war was closer to 400. Zaitsev's background as a hunter and woodsman in the rugged and unforgiving Ural Mountains certainly served him well.

One very unusual aspect of the Soviet military during WWII was their use of large numbers of female snipers. Many of these women warriors belonged to sport-shooting organizations as mentioned above prior to the war and the skills acquired therein allowed them to enlist in the military as snipers. One such woman was Ukrainian-born Lyudmila Pavlichenko (a.k.a., "Lady Death") who is credited with killing 309 German soldiers, including 36 enemy snipers and 100 enemy officers.

The Soviet Russian PU sniper variant of the 91/30 Mosin Nagant may be somewhat crude by the accuracy and optical standards of today's sniper rifles, but it is a firearm with a significant, albeit brutally bloody history behind it. It served as a battlefield scalpel intended for the surgical removal of high-value targets and was used to help beat back one of the greatest military invasions of the 20th Century; Operation Barbarossa, the Nazi invasion of the Soviet Union. Unfortunately, during the Cold War, these rifles were sent to all sorts of totalitarian regimes hostile to the United States and placed in the hands of people with less-than-benevolent intentions toward American service personnel. Indeed, these rifles are still to be found in numerous hotspots today.

My Mosin-Nagant PU sniper rifle, aside from being a historically significant, well-functioning artifact, is quite the conversation piece. The weapon's presence with its elegantly Spartan and coldly purposeful steampunk appearance on the range or in the field consistently elicits comments such as, "Cool! What is that?" Actually owning and using one of these magnificent artifacts in good working order is a great experience for any avid shooter and student of history.

Mec-Gar Pistol Magazines

NEW Plus-2 Adapter, fits mags in red	N90-62207	\$9.95
Beretta 92 18-rd. AFC*	N90-18728	25.95
Beretta 92 20-rd. AFC*	N90-18729	29.95
Beretta 96 .40 15-rd. AFC*	N90-14992	29.95
Browning HP 15-rd. Blue	N90-18730	25.95
1911 8-rd. .45 ACP Blue	N90-43406	25.95
1911 8-rd. .40 S&W Blue	N90-43405	24.95
1911 8-rd. 10mm Blue	N90-43404	24.95
1911 9-rd. 9mm Blue	N90-43403	24.95
1911 10-rd. 9mm Blue	N90-43402	29.95
1911 11-rd. .45 ACP Blue	N90-18732	24.95
CZ-75B 19-rd. AFC*	N90-14989	29.95
Para P-14 14-rd. Blue	N90-18733	23.95
Para P-16 15-rd. Blue	N90-18734	23.95
Para P-18 17-rd. Blue	N90-18735	23.95
Ruger P-Series 9mm 17-rd. Blue	N90-18736	25.95
Ruger P-Series 9mm 20-rd. Blue	N90-18737	29.95
S&W 59 17-rd. Blue	N90-18738	25.95
S&W 59 20-rd. Blue	N90-18739	29.95
SIG Sauer 226 18-rd. AFC*	N90-18740	25.95
SIG Sauer 226 .40 15-rd. AFC*	N90-15020	29.95
SIG Sauer 228 15-rd. Blue	N90-18741	25.95
Springfield XD (not XDM) 9mm 18-rd.	N90-14988	23.99
Springfield XD (not XDM) .40 13-rd. AFC*	N90-14991	29.95
Taurus 92-99 17-rd. Blue	N90-18742	25.95
Taurus 92-99 20-rd. Blue	N90-18743	29.95

*AFC = Anti-Friction Coating

Arredondo Accessories Mag Cleaning Brush



Arredondo Accessories' Magazine-Cleaning Brush is ideal for that little job we all dread (avoid?!). No excuse, Sir!

N90-19257 \$11.95



Metalform OEM Pistol Magazines

1911 9-rd. 9mm Blue	N90-33327	\$24.95
1911 8-rd. .40 S&W (Springfield) Stainless	N90-33329	19.95
1911 8-rd. 10mm Stainless	N90-33328	24.95

ADCO SUPER **ATHUMB®** offers models for popular centerfire pistols and 10/22 style magazines. **ST1** is for 9mm and .40 caliber Beretta, Browning, Ruger, SIGARMS, S&W, etc. In addition, the **ST1** has interior rails and grooves to accommodate Colt Government magazines.



ST2 is for GLOCK and Para-Ordnance magazines.	N90-18607	\$8.95
ST3 handles virtually all centerfire, single-column magazines.	N90-18608	\$8.95
ST22 is for Ruger 10/22 rifles.	N90-18609	\$8.95
STJR is for Ruger, Browning, Colt and High Standard .22 pistols.	N90-18610	\$8.95
	N90-18611	\$2.99

Arredondo Accessories Mag Cleaning Brush



California Competition Works' Magazine Storage Sleeves make it easy to organize your pistol magazines. The optional I.D. Tag/Hanger makes it less likely that you'll show up at a match with the WRONG magazines!

Four-Magazine Storage Sleeve	N90-19226	\$14.95
Six-Magazine Storage Sleeve	N90-19227	17.95
Magazine Sleeve I.D. Tag/Hanger	N90-19476	1.95



Ruger's BX-25 magazine for the 10-22.

N90-17915 \$29.95

Ruger's BX-25x2 conjoined magazine for the 10-22.

N90-33346 \$36.95



C-Products 30-Round aluminum M-16/AR-15 magazine.

N90-15593 \$19.95



9mm M-16/AR-15 magazines. Metalform (10- & 20-Rd.) & C-Products (32-Rd.).

10-Rd.	N90-44503	\$31.95
20-Rd.	N90-44504	34.95
32-Rd.	N90-49996	29.95



S&W's M&P 15 25-round .22LR magazine.

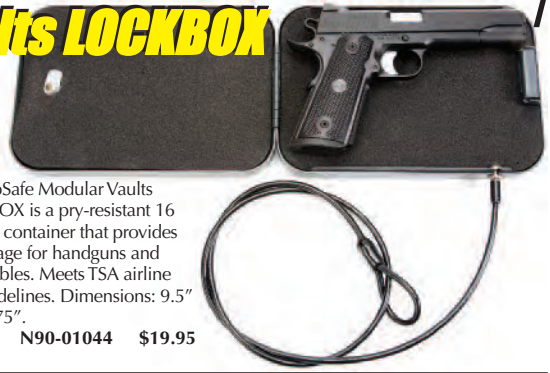
N90-44505 \$24.95

SnapSafe Modular Vaults LOCKBOX



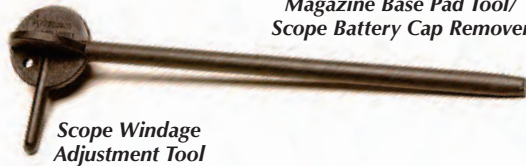
The SnapSafe Modular Vaults LOCKBOX is a pry-resistant 16 gauge steel container that provides secure storage for handguns and other valuables. Meets TSA airline firearm guidelines. Dimensions: 9.5" x 6.5" x 1.75".

N90-01044 \$19.95



Arredondo Multi-Function Squib Rod

*Magazine Base Pad Tool/
Scope Battery Cap Remover*



*Scope Windage
Adjustment Tool*

This is a MUST-HAVE range-bag accessory. It's a squib rod (for removing stuck bullets), magazine base removal tool, and scope windage adjustment and battery cap removal tool.

N90-15250 \$12.95

Lyman Pick & Brush Set



Lyman's Pick & Brush Set is an indispensable item for your cleaning supplies and range bag.

N90-40160 \$3.99

The Larry™ Pocket Work Light

The Larry™ 8 LED Pocket Work Light is the essential handyman light. 8 powerful LEDs provide 60 lumens of bright white light. The rotating magnetic clip gives you convenient hands-free lighting. The reinforced plastic body design is shock-proof and water-resistant, making the Larry™ basically indestructible.

N90-15432 \$9.99



The LiL Larry™

The LiL Larry™ – The Power Pocket Light packs enough power to take its rightful place as the newest addition to the Larry™ family. LiL Larry is equipped with a 250 lumen C•O•B work light featuring three light modes: high, low and emergency red flash. The anodized aluminum body and recessed LED housing ensures that LiL Larry is ready for any task.

N90-10013 \$19.99



Poppy™ – A combination 300 Lumen C•O•B lantern and 120 Lumen LED spot light. Poppy is the ideal light for indoor or outdoor use when versatility and powerful lighting are critical. Poppy easily changes from spot light to lantern with just a slide of its top, revealing a full 360° C•O•B lantern. The handle is designed to easily adjust to serve both light modes. Assorted Colors.

N90-00116
\$16.99



Ammo-Burr Cartridge Deburring Sets

SHAVIV is – and has been – the leader in precision hand-deburring solutions since 1960, and now brings its experience to the ammo-reloading market.

The Ammo-Burr Inner/Outer Cartridge Deburring Sets feature ergonomic comfort-grip handles for fast and accurate hand deburring. The .47" diameter inner chamfering

and deburring blade allows for chamfering and deburring cases from .17 to .45 caliber, and the outer-diameter chamfering blade will accommodate case mouth openings as large as 1.02".

A. Inner Chamfering Starter Set
N90-62270 \$39.95

B. Outer Chamfering Starter Set
N90-62269 \$59.95



KNS Precision, Inc. AR Accessories



KNS Precision, Inc. AR-15 Bolt Catch Retainer Pin.

N90-33390 \$9.00



Perma-Pin Firing Pin Retainer for M-16 and AR-15 replaces the standard copper pin found in the bolt carrier to retain the firing pin (as in original Stoner rifles). Made of tool steel. No modification to gun required.

N90-19927 \$9.00



Gen 2 Mod 2 Non-Rotating Trigger/Hammer Pins .154 Diameter.

N90-33391 \$33.00



Gen ST Non-Rotating Trigger/Hammer Pins .154 Diameter.

N90-33392 \$38.00

Viking Tactics V-TAC MK1 Sling

Viking Tactics' V-TAC MK1 Sling is quick, instantly adjustable to improve your shooting position, allows shooting from weak-side shoulder, secures the carbine during handgun transitions, and allows hands-free movement in difficult surroundings.

Viking Tactics Sling for CAR-15

N90-11961 \$34.95

Viking Tactics Sling for FN-FAL/HK-91

N90-11962 40.00



M-14 Bolt Roller Greaser



So THAT's how you grease that little S.O.B. (*Slick-Operating Bolt, that is.*) M-14/M1A Bolt Roller Greaser

N90-18531 \$6.75

Adjustable M1/M1A Gas Systems



All Schuster Mfg. Inc. adjustable gas plugs are made in the U.S.A. from hardened tool steel, Parkerized and feature a lifetime factory warranty. By adjusting the volume of gas, you change the speed of the op rod and the barrel harmonics. If you're working up your own handloads, a quarter of a turn WILL affect your group size. Includes instructions and the adjustment tool (Allen wrench).

M1A (Picture) N90-15405 \$59.00

SOCOM M1A N90-15409 59.00

M1 Garand N90-15408 40.00

Taylor Freelance Magazine Extensions



Taylor Freelance Magazine Extensions

AR-15/Tavor 9mm SMG +10

N90-12377 \$39.95

This extension adds a full 10 rounds to your 32-round Colt SMG-type magazine. Works with many "stock" mag springs. NOTE: Colt SMG mags come from many different manufacturers. Colt offered at least two major types - one where the floorplate slides on from the front, and the other which slides on from the rear. TF extensions are built to work with BOTH the front-mount and rear-mount styles.

CZ Skorpion +10

N90-12378 \$49.95

• Extra length/strength spring included

• Thumbscrew-and-gasket retention system allows for quick, easy disassembly.

GLOCK +10

N90-12379 \$59.95

Transforms Glock 31-round magazines into 41+1 round mags.

• Extra length/strength spring included.

SIG MPX +10

N90-12376 \$29.95

• Works with stock mag spring.

• Angled floor stands the magazine straight up on a table for easier loading.

SIG P320 +5

N90-12375 \$39.95

• Extra length/strength spring included.

MAGPUL® UNFAIR ADVANTAGE™ 73



MAGPUL 30-Round polymer PMAG 30 GEN M3™ AR/M4 magazines.
N90-43280 \$14.95

Enhanced Self-Leveling AR-15/M16 Mag Follower



MAGPUL's Enhanced Self-Leveling Follower is a drop-in replacement for USGI 30-round magazines. Features a four-way anti-tilt design.
3-Pk. N90-12606 \$6.95

Enhanced Trigger Guard, Aluminum



The MAGPUL Enhanced Trigger Guard™ is a black anodized aluminum drop-in replacement for the AR15/M16 weapons platform. It features a shallow "V" shape for better use of gloves in tactical shooting or cold weather operations. It's non-folding and has rounded edges.
Aluminum Trigger Guard
N90-12611 \$19.95

"Battery Assist Device" for AR-15/M16



Developed from the experience of the MAGPUL Team, the B.A.D. Lever™ is designed to improve the speed and efficiency of the AR-15/M-16 by enabling the shooter to manipulate the bolt catch without moving away from the ready position.
MAGPUL B.A.D. Lever
N90-27058 \$29.95

MAGPUL MAGLINK™



N90-43240
\$17.95



FOR MAGPUL .223/5.56 MAGS ONLY

MAGPUL QD SLING SWIVEL



N90-43239
\$14.95



MAGPUL 30-Round polymer PMAG 30 MAK/AKM MOE® magazine.
N90-43241 \$13.95



MAGPUL 25-Round polymer PMAG 25 LR/SR Gen M3™ Window SR25/M110 magazine.
N90-27080 \$22.95

MAGPUL 20-Round polymer PMAG 20 LR/SR Gen M3™ SR25/M110 magazine.
N90-55007 \$19.95



MAGPUL 10-Round polymer PMAG 10 AR/M4 Gen M3™ magazine.
N90-33393 \$13.95



MAGPUL -5 Round Limiter PMAG 20.
N90-33394 \$13.95 Pkg of 3

J. Dewey Manufacturing Company AR Gas Tubes



J. Dewey AR Gas Tube, Short	N90-15795	\$9.95
AR Gas Tube, Mid-Length	N90-15796	11.95
J. Dewey AR Gas Tube, Long	N90-15800	9.95

J. Dewey Mfg. Co. AR-Link Cleaning Pin



Dewey's AR-Link Cleaning Pin utilizes the rear take-down pin in your AR-15 style rifle to hold the upper and lower receivers open for cleaning. It fits AR-15s and AR-10s with take-down pins up to .316" in diameter. **N90-18599 \$14.95**

Emergency AR(epair) Kit

Crucial Parts for Your AR-15



The Specialized Dynamics AR-15 Emergency Repair Kit includes: three gas rings, extractor spring, firing pin retaining pin, buffer retaining pin/spring, hammer/trigger pin, take down detent and spring. **N90-19460 \$19.95**

Tac Latch



The Badger Ordnance Tac Latch makes it much easier for you to operate the latch on your AR-15/AR-10 charging handle. It works especially well for "flat-top" rifles equipped with low-mounted optics. **N90-10379 \$18.95**

Jerry Miculek AR-15 Compensator



Jerry Miculek's three-chamber AR-15 Compensator fits threaded-barrel rifles and may be "clocked" for left- or right-handed shooters. Used by many top three-gun competitors. **N90-11328 \$49.95**

M-16/AR-15 BUTTSTOCK CLEANING KIT



MIL-SPEC Buttstock Cleaning Kit for M16/AR style rifles contains segmented cleaning rod, cleaning brush, bore brush, chamber brush and solvent bottle. Comes in its own carrying case. **N90-15383 \$14.99**

ERGO

5-Slot Polymer Rail Mounting Platform



Ergo's 5-Slot Polymer Rail and Rail Cover makes it easy to add attachments to your firearm. **N90-18887 \$4.95**

AR-15 Charging Handle



N90-19550 \$19.99

Target Sports® Tactical AR-15 Super Tool



N90-19549 \$24.95

AR-15 Brass Catcher



Your basic, generic, strap-on-with-Velcro™ AR-15 brass catcher. **N90-15478 \$14.95**

JP Enterprises, Inc.

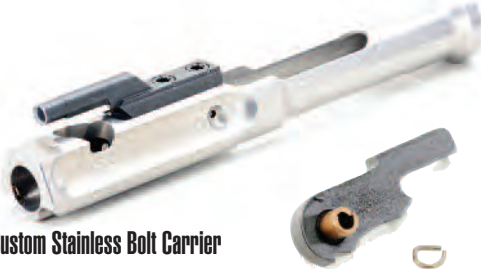
Tactical Performance Gear



JP Enterprises (Competition Only) Low Mass Buffer JPLMB
N90-12585 \$59.95



JP Enterprises .223 JP EnhancedBolt™ Assembly
JPEB-223 SAE3910 Construction
N90-12586 \$124.95



Custom Stainless Bolt Carrier
JPFBC-3 SP Low Mass,
Stainless Finish
N90-12584 \$225.95



JP AR Speed Hammer
JPSH-1A Low Mass Hammer
N90-12617 \$59.95



JP Compensator
JPTRE-2 1/2" x 28 TPI
w/Exit Hole for .223
Matte Black Finish
N90-12614 \$89.95



JPFC-1 .154 Small Pin
Fire Control Kit w/CD-ROM
Instructional Video
N90-12616 \$119.95

JP Reduced Power AR Spring Set
N90-12618 \$10.95



JP Enhanced Reliability,
Reduced Power AR Spring Set
N90-12590 \$10.95



The HIPERTOUCH® 24C is the competition version of high precision fire-control drop-ins for installation in AR-15® and AR-10® type rifles.

N90-11816
\$235.00



The HIPERTOUCH® 24 3Gun, or 24 3G, is similar to the 24C, but with a curved trigger bow instead of straight, for installation in AR-15® and AR-10® type rifles.

N90-11819
\$225.00



The Specialized Dynamics AR15/AR10 Armorers Upper Receiver Block is made from billet aluminum and holds your upper receiver securely in order to make it easier to install barrels, free-float tubes, muzzle devices, etc. One block fits AR15s and ArmaLite and DPMS platform AR10s. (Sorry, the upper receiver pictured above is NOT included.)
N90-43234 \$59.99

C-MORE SYSTEMS



RTS2R



Railway



Tactical Sight

Built for speed, these High Performance red dot sights will take your shooting ability to the next level. By using a single red dot as an aiming point, target acquisition is as simple as point and shoot. The unique Heads-Up-Display (HUD) design provides an unlimited field of view, while eliminating obstruction and tunnel vision common to tube-style scopes.

C-More Systems RTS2R

6 MOA Black	N90-14518	\$419.00
8 MOA Black	N90-14563	419.00

C-More Systems Railway Sight

Polymer 8 MOA Black	N90-16413	\$249.00
Aluminum 8 MOA Black	N90-14611	299.00

C-More Systems Tactical Railway Sight features a built-in spacer to co-witness with sights on flat-top AR-15s

Polymer 8 MOA Black	N90-16511	\$259.00
Aluminum 4 MOA Black	N90-14612	309.00

C-More Systems Tactical Sight features an A-2 Style rear aperture sight and mounts to flat-top AR-15s

Polymer 6 MOA Black	N90-11605	\$399.95
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C-More Systems Replacement Modules for Railway/Scout/Tactical Sights

2 MOA Dot Module, Polymer	N90-14620	\$49.00
2 MOA Dot Module, Aluminum	N90-14643	49.00
4 MOA Dot Module, Polymer	N90-16415	49.00
4 MOA Dot Module, Aluminum	N90-14691	49.00
6 MOA Dot Module, Polymer	N90-16416	49.00
6 MOA Dot Module, Aluminum	N90-14696	49.00
8 MOA Dot Module, Polymer	N90-14717	49.00
8 MOA Dot Module, Aluminum	N90-14720	49.00
Railway/Scout/Tactical Battery	N90-17034	5.00
CR2032 Lithium STS/RTS Battery	N90-14721	5.00

5.11 Tactical® ALWAYS BE READY



Double Duty TDU®



Trainer



Operator

The Double Duty TDU® belt is metal-detector friendly and offers two color options. Both the Trainer and Operator belts feature 6,000-pound-test buckles and heavy, reinforced stitching, therefore can be quickly converted into secure tie downs, secondary carry straps or emergency harnesses. All 5.11 tactical belts are made of strong nylon webbing and provide a stable support for carrying firearms and accessories. According to 5.11 Tactical, belt sizes run small, so they recommend you order one size up for the best fit.

5.11® Double Duty TDU Reversible 1.5" Belt

Waist Size	1.5" TDU®	
Small 28-30"	N90-21599	\$22.95
Medium 32-34"	N90-21600	22.95
Large 36-38"	N90-21601	22.95
X-Large 40-42"	N90-21602	22.95
2X-Large 44-46"	N90-21603	25.95
3X-Large 48-50"	N90-21604	25.95
4X-Large 52-54"	N90-21605	25.95

5.11® 1.5" Trainer Belt & 1.75" Operator Belt

Waist Size	1.5" Trainer	1.75" Operator	
Sm. 28-30"	N90-21613	N90-21606	\$39.99
Med. 32-34"	N90-21614	N90-21607	39.99
Lg. 36-38"	N90-21615	N90-21608	39.99
X-Lg. 40-42"	N90-21626	N90-21609	39.99
2X-Lg. 44-46"	N90-21627	N90-21610	44.99
3X-Lg. 48-50"	N90-21628	N90-21611	44.99
4X-Lg. 52-54"	N90-21670	N90-21612	44.99

5.11 Tactical All Hazards Ammo Mule

Sometimes, you just need more ammo.

The All Hazards Ammo Mule

is lightweight, durable and weather resistant. It features a secure wraparound zipper with a molded pull and measures 10.12" wide x 3.88" deep x 8" high. It'll hold 10 5.56 AR mags or six 25-rd. boxes of shotgun shells.



N90-19661 \$27.99

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HOW TO START



Sandy Wylie, the President/Founder and ASI member #1, graciously volunteered his time to be interviewed for this article on the hows and whys of starting an ASI club.

By Duane Thomas

My original article on Action Shooting International (ASI) ran in the September 2016 *Blue Press*. Since then there's been quite a bit of growth in the sport. It seemed time for a follow-up article, to help new clubs that want to start running ASI matches. This article will take the form of an interview between me and Sandy Wylie, ASI member #1, and covers not only how to start and run matches, and how ASI has grown, but why that's happening so fast, exactly WHY people like ASI.

DT: Okay, to start with, if a range were interested in starting up an ASI club, how would they go about that?

SW: If they want to start out by reading the *ASI Rule Book*, just to get a sense of what we're about, they can go to asi-usa.org; we've got the Rule Book up online. This is purely an online publication, it doesn't even have a cover, and this is a reflection of our kind of minimalist approach to rules, the entire Rule Book is only eight pages long.

If they like what they see, then they can email Robin [Taylor, ASI member #3 – dt] at robin@asi-usa.org and say they're interested in starting an ASI club. We have a welcome packet we'll mail them; it includes a copy of the ASI Member Logbook that every ASI member gets, so they can read and familiarize themselves with it; the ASI Match Operations Guide that shows them how to run matches; online access to a collection of stage designs (I call that "the playbook"); ASI match score sheets they can run off; pre-formatted spreadsheets for scoring; and stuff like that. Once they've gotten the welcome packet, from there we'll provide as much help as we can, when it comes to setting up the club and actually running matches. That might all happen over the phone, or through email, but the truth is, if we have to put someone on a plane, we're willing to do that, too. It happens.

DT: When my article on ASI ran late last year, it was a purely Washington state based phenomenon, with only two clubs running ASI matches. Here we are, early the next year, just a few months later, and I was talking to Robin, he told me there are now five clubs in Washington running a total of ten ASI matches a month, and clubs in four different states, Washington (of course), Oregon, California and Oklahoma, with just a whole lot more states having expressed interest in starting ASI clubs. Robin was also telling me that one of the things you've learned at ASI is there are things about this particular shooting sport that make it work especially well for indoor ranges, which most shooting sports don't.

SW: There's tons of interest from indoor ranges. I just got back from helping the SafeFire indoor range in Camas, Washington start up an ASI program. I'll tellya what; SafeFire is turning into another Wade's [the range on which ASI first began – dt]. Wade's started out running one match a month, on a Thursday. They were turning people away, the matches sold out so fast. So they started doing two matches a month, Tuesday and Thursday of the same week. Still they were turning people away. Now they're doing four matches a month – which is just unheard of – Tuesday and Thursday every two weeks. SafeFire sold out their first match, which was on Super Bowl Sunday, believe it or not. Before that match was even finished, they'd sold out their second match. Now they're doing two matches a month. I wouldn't be surprised to see it go higher than that.

What we're finding with ASI is that indoor ranges are kind of our natural venue. Not that outdoor ranges can't work, we have clubs at outdoor ranges, and they're doing well. But the dynamics of ASI and how it relates to indoor ranges are different from both IDPA and USPSA, where indoor clubs are always challenged.

Indoor ranges are bottom-line entities: how much money are we making, are the matches so popular we're turning people away? If it's a combination gun store/range, which many times it is, are people buying a lot of guns, holsters, ammo, shooting bags, all this new stuff, in the store, to shoot the matches? USPSA and IDPA members tend to be experienced shooters who've already got all their equipment. We've already figured out what guns we want to shoot, and we've got them. We've already figured out what holsters we want to use, and we've got them. We handload our ammo because we shoot so much, it's more affordable. Honestly, we spend the minimum amount of money we can get away with, so all an indoor range is really going to make off us is match fees. ASI members tend to be new shooters. They're buying new guns and equipment because they're still experimenting, finding out what works and what doesn't. They're buying their ammo at the range. They're going to the range on a regular basis to work on their skill level; they're becoming range members. They're just happy to be out there and doing it.

DT: They're probably burning up the range rental case, too. Trying every gun in the case to figure out what they like, what works for them. That's a lot of gun rental fees, a lot of ammo purchased at the range, right there. They're buying shooting bags, and eye protection, and earmuffs, and more magazines. All this stuff we've already got, they need to buy. Where are they going to buy it? Obviously at the gun store/range they're already used to going to when they shoot ASI matches.

SW: Indoor ranges are limited in how many shooters they can accommodate; they top off around 25 people per match. Outdoor ranges can handle more shooters, and that's great. But they're limited by the fact they're only one match a month. So you've got 50 people at a match on an outdoor range. Okay, but again to use Wade's as an example, you've got four matches a month, 25 slots per. That's 100 opportunities a month to shoot ASI. Obviously that's not going to be 100 different people, some people will be shooting more than one match.

DT: I know at least one person who shoots all four matches a month, every month, at Wade's.

SW: I've seen a lot of different shooting pro-

grams run over the years, at a lot of different clubs, but this is the first one in which the indoor ranges have really embraced it, and really done well at it. Recently I was in a meeting with the owner of Wade's, and the people who work there were reporting to him on how much money his gun store and range makes off ASI every year, when you add up everything. I'm not going to mention the actual amount, but it wasn't a small number. That's why he's running four matches a month.

DT: Because when you're making that much money off running ASI matches, why wouldn't you?

SW: At outdoor ranges you generally have a board of directors, you have to go and see if you can get them to approve running your matches. Which can sometimes be hard. At an indoor range you have an owner, so you only need to have one person who thinks this is a good idea.

I don't know how tactfully you want to put this in the article, but sometimes the people running matches at outdoor ranges can be jerks. So you've got this guy running the club, and people are willing to put up with his garbage because he's the only one there with the experience and knowledge base necessary to run the matches, he's the only one who knows how to design stages. Because in USPSA and IDPA, and even SASS, there are a lot of rules you have to follow, a lot of "do this/don't do that." What happens inevitably is that

people at the outdoor range get tired of dealing with this guy and they oust him. At which point the program dies because there's no one else there who knows how to run the matches, no one else who knows how to design stages. I've been doing this for a long time, I've seen a lot of programs come and go.

At an indoor range you don't need to be lucky enough to have someone like Rick Breneman, a great guy on a personal level who's been running matches here in Washington forever. Because in ASI our approach to rules has been "very few rules." In ASI we have a playbook, it tells you how to set up stages. It actually has stages in it. Once a club has the playbook, they don't have to know how to design stages; pretty much anyone who's friendly and gets things done safely can run the matches. It's a much more low-key environment. You don't have intense competitors arguing for the last point. It makes things a lot easier to run.

ONE OF THE THINGS THAT MOTIVATED ME TO [START ASI] WAS WATCHING PEOPLE COME OUT TO SHOOT USPSA AND IDPA MATCHES...AND SEEING HOW MANY PEOPLE WHO SHOT THEIR FIRST MATCH NEVER CAME BACK. THE RETURN RATE WAS ABOUT 10 PERCENT.

Outdoor ranges really are geared to run matches on the weekends. Which, frankly, is one of the things that limits participation in the shooting sports. You have to be pretty into this to be willing to give up your Saturday or Sunday to shoot a match. So you're talking to the board of directors at an outdoor club, basically begging them for one of their weekend days. You're probably limited by natural light, the matches take so long you've pretty much killed that range for the day, to have anything else scheduled on it. On indoor ranges, ASI matches can run at night. Because we're built around the concept of the four-stage match, the matches don't take very long, they can run on weekdays. People can get off work, shoot a match on a weekday evening in a couple of hours, and still get home in time to get a good night's sleep so they're not tired at work the next day.

DT: Also, it strikes me that ASI isn't seasonal like matches at outdoor ranges. You're not at the mercy of the weather. I'll say, just on a personal level, I don't know if it's that, as I'm getting ever-so-slightly older, maybe I'm not as physically tough as I used to be, maybe it's just the late onset of common sense, but I find myself much less willing to get out there in the middle of winter, in sub-freezing temperatures, in the rain, just to shoot a match. In January, give me an indoor range, an enclosed space out of the rain, with artificial lighting, and HEATERS.

SW: USPSA and IDPA are volunteer sports. And God love the volunteers. But at indoor ranges they have staff. So indoor ranges have people who've been tasked, "It's part of your job to run ASI matches." Now, staffers come and go, so you need a program that doesn't require a Safety Officer or Range Officer with years of experience to run things. In the Pacific Northwest we have a lot of Safety/Range Officers because we've got a lot of IDPA and USPSA clubs. But ASI doesn't require that level of training, that level of knowledge; it's a much less rules-intensive thing.

Interlake [the third ASI club to start up in Washington state – dt] is now having a practice day for ASI, the first time they had 20 people show up, and eight of them were brand-new shooters, at least from a competitive standpoint. That's smart because people seem to be more willing to show up at a "practice" than a "match." The intimidation factor is a lot less. People seem to feel they can do what's required at a "practice." And in almost all cases, generally, they can.

SafeFire had actually read your article – thanks very much, by the way. They came up to Wade's, they wanted to see the program, see how it ran, and meet the people. One of their concerns was they wanted to start an IDPA club, and they asked, "Could this lead to us getting enough people to start an IDPA club?" I said, "Sure." Questions they had were, "How do you set up stages?" "How do you run shooters through the stages?"

ASI is geared toward new shooters. One thing I

think is very important is the coach-through. Give people the stage briefing. Let them walk through the stage. Let them look at the targets. If they ask, tell them the best way to shoot the stage. Just having someone tell them what to do helps smooth out the rough edges.

We designed the courses in the playbook to be very generic, very easy to set up. It's not like, for instance, the IDPA classifier or USPSA classifiers where it's very specific, the targets all have to be laid out exactly the same, at the same distances, the same relationships to each other, at every club, any time you run that stage. We're more like, "These targets will be over to the left, and these targets will be over to the right. Put them how far away you want." Because it doesn't really matter if it's identical every time. We like to see three to five steps between shooting positions, but that can vary. Especially at indoor ranges, you might be really limited on available space. On the other hand, a good example would be Bay #2 at Wade's, that's a big, deep, wide bay; they can extend the ranges there, if they want to.

When we set up stages at Renton [the Renton Fish & Game Club in Renton, Washington – dt], it takes about 45 minutes from the time we get there until all the stages are ready to go. Now, obviously I have my son Dustin to help me, and other people will show up early and help. But still, 45 minutes, that's an amazingly short time to set up an entire match. From a setup standpoint, the playbook makes it incredibly easy to set up a match. And that's all by design.

DT: One thing I've noticed in Washington is that, because we were about a year and a half into the ASI experience before the playbook was completed, there was that time period where the people running the matches had to design their own stages. Even though they have the playbook now, they've gotten the taste of what it's like to design their own stages; they don't want to give that up. Their concern is, "If we just do the same stages over and over again, eventually people will get bored." I really think they've forgotten what it's like to be a new shooter. There's enough that new shooters have to be thinking about, there's still a huge amount to learn from simply shooting the same stages over and over. At the newer clubs, the ones that were started after the playbook came out, they tend to stick to stages out of the playbook. Which makes things a lot easier for them because they don't have to design stages.

SW: In dealing with new shooters, you've got to get them comfortable, got to get them feeling good about what they're doing, so they'll come back. One of the things that motivated me to do this [start ASI] was watching people come out to shoot USPSA and IDPA matches at Renton, and seeing how many people who shot their first match never came back. The return rate was about 10 percent.

You also have to take into account, I'm a competitor, I like speed, I like distance, I like move-

ment, and I like things that require skill. But in ASI, things are much more sedate, distances are short, movement is slow, the emphasis is less on having a really high skill level. We see ASI shooters, a lot of them are pretty new at this, they might have had a lot of experience shooting on indoor ranges, but that basically means they're used to shooting down an alley. It's a great thing for people to be able to move with a gun in their hands, but at a very slow pace at first, when they decide they're comfortable doing that. We like to make movement optional: "You can shoot these targets while moving, if you want, but you don't have to. Shoot them from stationary if you want."

DT: I remember you telling me, really early on, that one of your goals was ASI would be a feeder system into IDPA and USPSA. A lot of ASI shooters will never shoot anything other than ASI, and that's fine. But then you've got the people shooting ASI who keep hearing about IDPA, they keep hearing about USPSA, and they'll get curious.

A good example of that phenomenon in action would be my friend, Joseph Dorage. I met him at an InSights Training Center league match, years ago. Super-nice guy, highly trained, been to literally every class InSights teaches. But never really a match shooter. Then the guy running the InSights league matches, his wife had twins. Joseph was really bummed when the league matches went on hiatus. I started shooting ASI, I called him up, said, "Hey, this is what ASI's about, you want to shoot a match with me at Wade's?" He said, "Yeah, I think I do." He came to his first match, before the match was even over, he was saying, "How do I join ASI?" Then I took him to his first outdoor match, ASI at Interlake, and he loved it. Now I've said, "Hey, there's an outdoor IDPA match coming up in two weeks at Renton, you want to shoot that with me?" His reply was, "Yeah, I think I do." I would not exactly be shocked if we had a new IDPA member here in short order.

SW: One thing we've seen a lot of, and it was a big surprise, we're seeing a lot of converts who are transplants from SASS, Cowboy Action Shooting. Some cowboy shooters are serious competitors, but for a lot of them it's mostly a social event. They like how low-key ASI is. We're also seeing a lot of older shooters, experienced competitors from USPSA and IDPA, guys in their 70s. Maybe their physical capabilities aren't quite what they once were. They're coming to us and saying, "I thought my competition days were done." They really like the fact ASI is something they can do that's not intense, it's not super-competitive.

Then there are the .22s. To start with, we had this typical, macho, pistol match attitude, "No .22s." But then we realized, it really doesn't matter. If people are out there, having a good time, building skills with their gun, why couldn't they be doing it with a .22? Having people out there with their .22s is just fine. Now, a lot of those people will eventually wind up shooting 9mms, but to

start with, if they're more comfortable doing it with a .22, our attitude is, "Why not?"

I kind of hate to put it this way, but in ASI I feel like I'm really doing good work. I'm not just serving a preexisting community of match shooters. I feel like I'm taking the gun owner occasional shooters, and, okay, we're not making them into rock stars. But they don't WANT to be rock stars. They want to be comfortable, feel proficient, and feel safe. Now, we do have people who come into ASI who will go on to be rock stars. But most people are just looking for something a little more exciting than shooting a box of ammo down an alley, while they're standing bolt upright in one place on an indoor range.

Look at you and I as competitors, Duane, and how rare we are. For every one of us, there are thousands more people who have a firearm in their home, and have put at most a few hundred rounds through it. ASI is like a bowling league, but with guns and no beer. I like the thought that we're helping people, and putting them on the path – not necessarily to safety, they may have already been safe – but on the path to proficiency. But we don't try to force them into that, all at once.

For competition shooters at the higher skill levels, a lot of our performance is, "Can you do a fast draw?" So we let people start with the gun already in their hands, if they want. A lot of it is movement skills, "Can you get out of position and into position quickly?" So we cut down movement distance, we cut down the number of different shooting positions so you don't have to move very many times during a stage. "Can you do a fast speedload?" A lot of our stages require no reloads at all. ASI is set up specifically to minimize the importance of those skills.

You're shooting at a Master level. So am I. But I'll tellya what, when you're shooting a stage that minimizes the importance of those skills, people at a lower skill level can be right on your butt. When someone who's an IDPA Sharpshooter beats Duane Thomas' ass, he's going to be talking about that for a long time. At one ASI match, on this one stage, my son Dustin beat me. To this day, I hear about that. Of course, I never hear about every other stage we've ever shot, where I've beaten him.

DT: I agree. At Wade's two of the better ASI shooters are Michael Gallatin and Adam Simon. Michael has been primarily a SASS shooter; he's in his 60s. Adam has never shot an IDPA or USPSA match. And they've both beaten me on a fairly regular basis. Of course, I've also beaten them on a fairly regular basis. All false modesty aside, if you were to plop me out there with them at an IDPA match, or a USPSA match, things might shake out a little differently. But we're not shooting IDPA. We're not shooting USPSA. We're shooting ASI. And in ASI, if they're having a good night and you're not, people who've never shot a match can, in fact, beat an IDPA Master. And I LOVE it when that happens.

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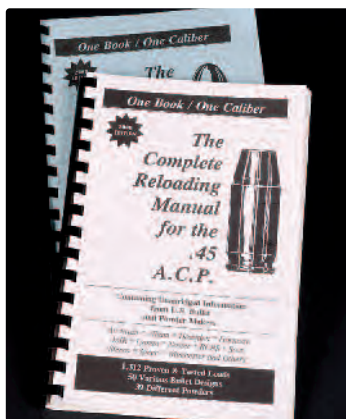


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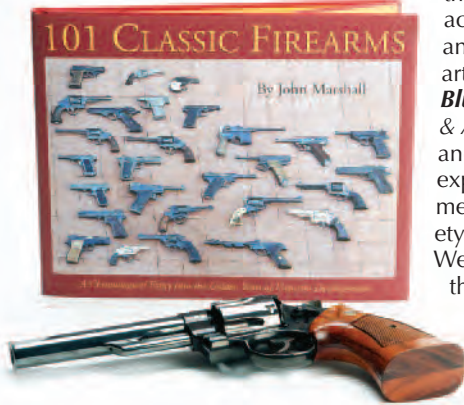


101 Classic Firearms by John Marshall 83

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Published by Dillon Precision, and printed and bound in the USA, **101 Classic Firearms** is a high-quality full color 11.5" x 9" hard-cover with 224 pages packed

full of insights and history on some of the world's most important firearms. About the Author: John Marshall is an accomplished photographer and freelance writer whose articles have appeared in *The Blue Press*, *Gun Digest*, *Guns & Ammo's Handguns*, and *American Gunsmith*. An expert on firearms, he is also a member of the Remington Society of America, the Smith & Wesson Collectors Association, the Smith & Wesson Historical Foundation and the American Gunsmithing Association. He is also an endowment member of the National Rifle Association.



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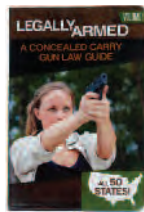
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Legally Armed: A Concealed Carry Gun Law Guide – Learn the basics of concealed carry and the laws associated with this astronomically growing group of self-reliant Americans. If you depend on a handgun for the protection of yourself or your family, arm yourself with knowledge, too. What's inside? What to consider before carrying a firearm • Protecting oneself: discharging a firearm in self-defense • What to do when interacting with Law Enforcement • Gun handling, practice and storage • State-by-state quick reference guide to carry laws where you live and travel.



N90-43269 \$14.95

Armed & Smart: A Beginner's Guide to Concealed Carry – If you are new to concealed carry and need a great resource for information, this is the book for you. This book covers all the basics a beginner needs to know.



Before you make the decision to exercise your Second Amendment right to bear arms through concealed carry, you should consider factors like what type of gun is best for carry, when to carry a firearm, how to carry concealed, and why you should carry a concealed firearm.

We carefully cover handgun safety and the proper steps for using and caring for your firearm. Other topics include cartridge selection, accessories available, practice techniques, and range etiquette.

N90-43232 \$16.95

Armed & Smarter: Advanced Concealed Carry Weapons & Training – Once you have mastered the basics for carrying your concealed firearm, you need a book to build on that foundation and hone your skills to those of an intermediate-level handgunner. After obtaining your concealed carry permit and securing a firm grasp of the responsibilities attendant to carrying a concealed firearm, it's time to focus on becoming an excellent marksman.



In *Armed & Smarter*, our authors prepare you, the shooter and gun owner, to handle and use your handgun responsibly. By the end of this book, you will understand the importance of strong habits and perfect practice.

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84 Wise Company's "Grab & Go" Emergency Food Kits

Wise Company's **18 Wise Favorites 72-Hour Kit** includes six entrées and three breakfast meals, each individually packaged for a total of 18 servings (2 servings per pouch). Entrées include meat. Packages included have a shelf life of 7 years compared to those in our buckets with a shelf life of 25 years. Great for hunting, camping and hiking! Simple to prepare, just add boiling water directly into pouch.



\$49.99
N90-27069

Wise Company's **60 Serving Gourmet Entrée Only "Grab and Go" Food Kit** includes two servings per day (entrées only) for one adult for one month or four adults for one week. **Product within this Bucket is:** Savory Stroganoff (8 servings), Chili Macaroni (8 servings), Pasta Alfredo (8 servings), Creamy Pasta and Vegetable Rotini (8 servings), Cheesy Lasagna (4 servings), Teriyaki and Rice (8 servings), Creamy Ala King and Rice (8 servings), and Creamy Tomato Basil Soup (8 servings).



\$119.95
N80-15297

Wise Company's **60 Serving Gourmet Freeze Dried Meat "Grab & Go" Food Kit** includes 60 servings of assorted gourmet-seasoned freeze dried meat and a 20-serving bonus of long-term emergency rice, for a total of 80 servings. **Product within this Bucket is:** Roasted Chicken (12 servings), Teriyaki Style Chicken (8 servings), Cheesy Beef (8 servings), Southwest Style Chicken (12 servings), Savory Roasted Ground Beef (12 servings), Stroganoff Style Beef (8 servings), and Long-Term Instant Rice (20 servings).



\$129.99
N80-15298

Wise Company's **120 Serving Breakfast Only "Grab & Go" Food Kit** includes 120 servings of breakfast assortment (no entrées). **Product within this Bucket is:** Apple Cinnamon Cereal (40 Servings), Crunchy Granola (40 Servings), and Brown Sugar and Maple Multi-Grain (40 Servings).



\$199.00
N90-15303

Wise Company's **120 Serving Freeze Dried Vegetable and Sauce "Grab & Go" Food Kit** includes 120 servings of vegetable and sauce assortment. **Product within this Bucket is:** Corn (24 servings), Peas (16 servings), Broccoli (24 servings), Green Beans (24 servings), Butter Sauce (8 servings), Cream Sauce (8 servings), Cheese Sauce (8 servings), and Mushroom Sauce (8 Servings).



\$134.99
N80-15302

Wise Company's **120 Serving Freeze Dried Fruit and Snack "Grab & Go" Food Kit** includes 120 servings of fruit and snack assortment. **Product within this Bucket is:** Bananas (16 servings), Strawberries (16 servings), Peaches (16 servings), Apples (16 servings), Caramel Sauce (16 servings), Yogurt (16 servings), and Pudding (16 Servings).



\$144.99
N80-15300

Individual First Aid Kits From The Tactical Medic

Nobody likes to think about it, but should a serious hunting/shooting accident occur, chances are the drugstore "first aid kit" you have stashed under the seat of your truck won't do much good. That's why we're offering individual first aid kits from The Tactical Medic. The Econo-IFAK contains a 4" Emergency Bandage, a TK-4 Combat Tourniquet, 1 Package of Rolled Gauze, 1 Roll of Medic's Tape and 1 Pair of Nitrile Gloves. The Micro Kit #2 contains a 4" Pressure Bandage, 1 Package of Quick Clot Gauze, a TK-4 Combat Tourniquet, 1 Roll of Medic's Tape and 1 Pair of Nitrile Gloves.

Econo-IFAK (at right in photo)
Micro Kit #2 (at left in photo)

N90-43379
N90-43378

\$15.00
30.00



COMPETITIVE EDGE DYNAMICS ⁸⁵



CED M2 Chronograph
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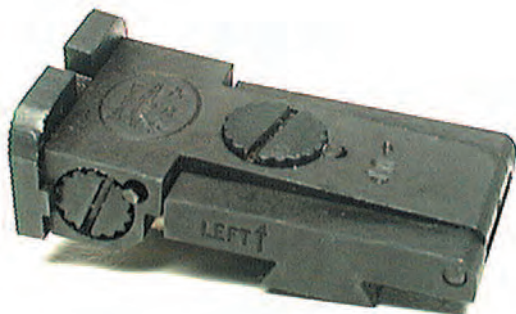
CED7000 Timer
N90-19208 \$119.95

M2 Chronograph Accessories

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2-Ft. Skyscreen Mounting Bracket	N90-18120	14.95
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The **M2 Chronograph** comes with sensors, screens and one two-foot mounting bracket. A nylon carrying case and tripod are available options. The **CED7000 Shot Timer** is a breakthrough in technology. No other timer to date offers this combination of advanced features, compact size and light weight. This is the "next generation" Shot Timer here today! Comes with a rechargeable battery with low-battery LCD indicator and a universal charger.

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This **Adjustable Target Pistol Sight** is precision machined and fits in a standard 1911 "Bomar slide cut." Yeah, the services of a gunsmith are required to cut the slide (unless your pistol already has a Bomar cut) but the results are worth it.

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See Page 33



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