

# the eBluePress

e-May 2023

**Dillon**  
Automation  
DA3000

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**DILLON:**  
A Memoir

The Mike Dillon Story

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# GET TACTICAL

With Shooters World Tactical Rifle powder. Load your .223 or 5.56 case to NATO standard and achieve reliable function and reduced recoil. This propellant is extremely low in residue, muzzle smoke, flash suppressed, and temperature stable to create a perfect powder for your AR needs.



[www.shootersworldpowder.com](http://www.shootersworldpowder.com)



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**ATTENTION DILLON CUSTOMERS:** Because of changes to California's Proposition 65 that took effect on August 30, 2018, companies doing business in California are mandated to provide warnings on products that may expose Californians to any one or more of a list of approximately 900 chemicals, including Lead, which are "known to the State of California to cause cancer, birth defects or other reproductive harm." The new regulation states that a warning must be "provided in the catalog in a manner that clearly associates it with the item being purchased." Though we have no reason to believe our products could cause harm when used as intended, we now include the appropriate Proposition 65 warnings on some of our products to meet the California "safe harbor" requirements.

# Dillon's Bill of Rights for Reloaders

**All of Dillon Precision's customers have certain inalienable rights when they buy a reloading product:**

- 1. Right of Quality** – YOU THE CUSTOMER have the right to expect a well-designed product, manufactured with quality materials and workmanship that does what the seller claims it will do.
- 2. Right to Test and Send-Back** – YOU THE CUSTOMER should have the right to test the product on your own reloading bench for at least 30 days, and if it does not live up to your expectations, send it back for a full refund.
- 3. Right of Service** – YOU THE CUSTOMER have the right to free, friendly, expert service and technical advice available through a toll-free phone number. This service should include prompt replacement of broken or bad parts – free of charge.
- 4. Right of Warranty** – YOU THE CUSTOMER have the right to a lifetime warranty on any non-commercial-grade reloading product you purchase. *Unfortunately, we can't offer this warranty on textile products and electrical or electronic components.*
- 5. Right to be Heard** – YOU THE CUSTOMER should have the right to speak to someone of authority anytime you can't get satisfaction through normal channels. If our sales representatives aren't able to help you, our supervisors have a mandate to take customer-satisfaction issues all the way to the owner of the company if necessary.

**Editor's Note:** The Bill of Rights for Reloaders is Dillon Precision Products' customer-satisfaction policy. It remains very much unchanged from the day the company was founded. The disclaimer about textile products and electrical or electronic components reflects the reality of how those products are produced in today's world. Ultimately, our founder recognized that satisfied customers are our best advertising, and the only thing that differentiated his company from all the others at the time was the warranty and customer service he offered.

We constantly strive to live up to his standards.  
Please let us know if we're not succeeding.

## the BLUE PRESS

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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.*



# CP2000<sup>^</sup>

## Dillon's DEDICATED Case-Processing Machine!

- Made in the USA
- Eccentric Roller Bearing Drive System
- Smoother Operation, Less Effort
- Higher Throughput, Lower Cost Per Case
- Heavier Frame for Greater Rigidity
- Seven Threaded Stations for More Flexibility
- Upgraded Primer Pocket Swager
- Primer Pocket Swage Available in Two Stations
- User-Replaceable Swage Rod Tip
- Reinforced Toolhead Bolt & Washer
- Improved Shellplate Indexing System
- Processing Speed up to 2000 Cases Per Hour

Designed to complement our RL1100 and Super 1050, the CP2000 offers higher speed, greater versatility and added case processing capability...all at a much lower cost than dedicating a RELOADING machine to prep brass! If you're loading mass quantities of ammo, the CP2000 will make your task MUCH easier.

**\$1869<sup>00\*</sup>**

**CP2000 Case Processor 66200**

Case Trimmer, Trim Die, Short Trim Die Toolhead, Universal Decapping Die and Second Back-Up Expander Die Sold Separately

*Total price as pictured with optional accessories: \$3143.00*

RT1500 Case Trimmer	62164	\$435.00
.300 Blk Carbide Trim Die	62140	\$220.00
Short Trim Die Toolhead	66026	\$285.00
.300 Blk Caliber Conversion	66210	\$185.00
.300 Blk Expander Back Up	62372	\$55.00
Universal Decapping Die	22127	\$39.00
Small Rifle Casefeed Plate	21074	\$55.00



# Rapid Trim 1500 Case Trimmer<sup>^</sup>

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

The RT1500 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 RT1500 is equipped with a

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

The RT1500 Case Trimmer **62164** is **\$435.00**. (Available only in 110 volt 60 hz.) Size/trim dies are sold separately (see chart below). Replacement carbide cutting blades, **13141**, are **\$25.00** each. Upper lock rings, **13559**, are **\$9.00** each.

## RT1500 & 1200B Size/Trim Die Calibers<sup>^</sup>

.204 Ruger	21028	\$85.00
.222 Rem.	21363	85.00
.223 Rem.	20107	75.00
.223 Rem. Carbide	19797	220.00
.220 Swift	21364	85.00
.22-250 Rem.	20110	85.00
.243 Win.	20109	85.00
.25-06 Rem.	21367	85.00
6.5 Creedmoor (1500 only)	62290	85.00
6.5 x 55mm	21495	85.00
.270 Win.	20112	85.00
7mm Rem. Mag.	21366	85.00
.30-30 Win.	20111	85.00
.300 WSM	21029	85.00
.308 Win.	20106	75.00
.308 Win. Carbide	62126	220.00
.30-06	20108	75.00
.30-06 Carbide	62159	280.00
.300 Win. Mag.	21370	85.00
.300 Wby. Mag.	21371	85.00
.303 Brit.	21765	85.00
8 x 57 Mauser	21502	85.00
RT1500 Motor Only	61500	\$400.00

### RT1500 Short Trim Dies

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

.300 Blk Carbide	62140	\$220.00
6.8 SPC	62238	85.00
7.62 x 39	62237	85.00



### Short Trim Die Toolheads

RL550	62231	\$65.00
(Includes modified vacuum manifold.)		
XL750/650	62112	60.00
RL/Super 1050 <sup>^</sup>	62219	285.00
CP2000 <sup>^</sup>	66026	285.00
(Blue 1050 Toolhead Stand not included.)		

## 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  
9mm Adapter  
.40 S&W Adapter



20095  
\$143.00

62124	\$27.00
62168	22.00
62169	22.00



## Dillon's 303 Stainless Steel Headspace Case Gages Won't Rust!

**Headspace Case Gages** are essential for setting your rifle size die, and make it easy to ensure that your loaded pistol rounds will function in your firearm.

.223 Remington	13254	\$38.00
.308 Winchester	12867	39.00
.30-06 Springfield	12679	40.00
.380 ACP	15160	24.00
9mm Parabellum	15161	24.00
.38 Super	15158	24.00
.38 Special	15159	24.00
.357 Magnum	15163	24.00
.40 S&W	15164	24.00
10mm	15162	24.00
.44 Magnum	15165	24.00
.45 ACP	15166	24.00
.45 Colt	15167	24.00
.45 GAP	12672	24.00

<sup>^</sup> **WARNING:** The products offered for sale in this catalog can expose you to chemicals, including Lead, which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**Blue Press**

# Case Preparation Equipment



## CV2001 – The Industry Standard

Dillon's CV2001 Vibratory Case Cleaner is one of 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 than most, but our motor is also 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",

**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.	<b>13804</b>	<b>\$9.99</b>
Case (20 pc.)	<b>20255</b>	<b>149.99</b>



## Vibratory Case Cleaners Case/Media Separators



<b>CM2000 Case/Media Separator</b> ^	<b>20675</b>	<b>\$125.00</b>
<b>CM500 Case/Media Separator</b> ^	<b>21045</b>	<b>\$89.00</b>

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.

## Limited Work Space?

Dillon created the CV750 heavy duty Vibratory Case Cleaner for those with limited space. This case cleaner uses the same motor as the CV2001 and is every bit as tough – just more compact. To accompany the CV750, the CM500 does the same job as the larger CM2000 Case/Media Separator; and, like the CV750, 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!

CV2001 ^, US 110v	<b>20493</b>	<b>\$290.00</b>
CV750 ^, US 110v	<b>19455</b>	<b>215.00</b>
Euro 220v CV-2001 ^	<b>22047</b>	<b>320.00</b>
Euro 220v CV-750 ^	<b>19473</b>	<b>250.00</b>

Dillon's **D.C.L.** non-aerosol case lube is easy to use. 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.



8 oz. bottle	<b>13733</b>	<b>\$15.99</b>
Case (20 pc.)	<b>20256</b>	<b>223.99</b>

10 bottles of polish/10 of lube ^	
Case (20 pc.)	<b>21375</b> <b>\$186.99</b>

## Don't Forget Polishing Media!

Crushed walnut hull polishing media quickly cleans even the dirtiest of cases and is the best solution for badly tarnished, range-pick-up brass.

12-pound bucket     **13287**     **\$26.50**

Ground corn cob polishing media is the best there is for that final polish. Leaves your brass looking better than factory new!

10-pound bucket     **13496**     **\$20.00**



# ERADICATES COPPER FOULING AT ANY VELOCITY. TEMPERATURE STABILITY AT ITS FINEST.



Legendary IMR Enduron® powders are engineered to eliminate copper fouling, regulate insensitivity to temperature changes, and give the ideal loading density, all while staying friendly to the environment. These versatile, match-grade propellants are the slow-burning, copper-crushing magnum powder shooters want.

**IMR**  
LEGENDARY POWDERS

A woman with pink and brown hair, wearing a headset, gold-tinted goggles, and tan tactical pants, is crouching in a field. She is aiming a grey submachine gun with a red dot sight. The background is a blurred natural setting with dry leaves on the ground.

# Meta Tactical

# Apex Pistol Chassis



## By Oleg Volk

Last year, Meta Tactical fielded something unusual: a bullpup chassis for GLOCK, Palmetto State Armory, and Polymer 80 pistols. The kit includes a 16-inch barrel with a threaded flash hider, making the conversion legal. With the stock collapsed, the chassis is a little under 24 inches, with it deployed for use a shade under 28. That translates into lengths of pull starting at 13.75 inches and ending at 17.75 inches. Assembly is simple: first, remove the stock barrel from the handgun and replace it with the provided 16-inch barrel to make a semiauto Buntline Special. Then pop a pin in the back of the chassis to hinge up the buttstock and slide the pistol in. In the GLOCK 21 kit I tested, two inserts were provided, one for G21 and another for G21SF. For some strange reason, 21SF part worked better with the regular G21. Hinge down the buttstock, replace the pin, all done! The kit with the pistol and the longer barrel weighs right around 5 pounds, or half of the weight of the lightest Thompson M1A1 submachine gun variant. Overall length is 4 inches shorter despite the 5.5 inch longer barrel.

The picatinny rail on top gives 14 inches of sight radius – just an inch shy of what an M4 carbine provides. I kept folding irons as a backup to a Trijicon MRO red dot for speed and the option to run it from the left-shoulder. Although a bullpup, the Apex kit allows firing from the

left using an isosceles stance. Ejected empties go right and forward, while the flared cowling over the ejection port keeps the worst of the smoke out of the face. Locked-breach pistols don't puff that much out of the ejection port anyway.

The reason why I compare this kit to the Thompson is the similarity of their effective ranges. The open-bolt gun was good for about 50 yards, the same is true of the Apex. That's the distance at which I can guarantee a hit on a torso target. Due to the leverage placed on the barrel lockup, the mechanical accuracy of the conversion is limited to about 7-8 inches at 50 yards. The Thompson – in semiauto mode – has slightly less horizontal dispersion thanks to the fixed barrel and rather more vertical thanks to the open-bolt design. Apex wins on all other counts: it's half the weight, its 25-round magazine is much lighter and way easier to insert, sights are better as well. The trigger is a reflection of the base pistol: for the GLOCK 21, it was a somewhat mushy 6 pounds. Straight-line recoil keeps the gun on target, so the actual effective rate of on-target hits is higher for the conversion than for the WW2 "trench broom."

The long barrel slows the recoil cycle even further to deliver the softest recoil I've ever experienced from a .45 ACP gun except maybe the much heavier gas-operated BAZ45. Ambidextrous charging handles are easy to activate: just remember to tug on one after every reload





because the slide release lever is hidden by the chassis. The safety is cross-bolt, placed a little too far back: that's the inevitable result of where the internals of the chassis are placed. Depending on the pistol used, the magazine release may be active on the left only or on both sides. Three MLOK slots on each side of the forend can be used for lights, sling studs or QD receptacles, lasers. The picatinny rail under the forend is a natural spot for a foregrip.

Making carbines from pistols goes back to flintlock days. The most famous of those efforts – a shoulder stock for the 1896 Mauser – tried to make true the wildly optimistic 1000-meter sight markings of the handgun... it didn't really work. But the design was repeated with M1911, Browning Hi-Power, Stechkin, HK VP70 – none of those worked all that well for two reasons: the limited grip space for counteracting recoil, and open sights that ended up too close to the eye for a good sight picture.

The next impetus for the development of pistol carbine conversions came from the gun control laws in Israel. Their citizens could buy – with considerable red tape – handguns but not rifles. Roni and its later imitators made stocks to contain the handguns, turning pistols into short carbines capable of mounting optics. That extended the effective range of handguns better than mere shoulder stocks attached to grips. In the US, these chassis became

popular either in the short form with the currently imperiled pistol braces, or in the long form with 16-inch barrels. Less accurate than dedicated PCCs, these conversions were usually very light and had minimal recoil thanks to locked-breech actions. A domestic US development from MechTech used an entirely new blowback upper with a 1911, GLOCK or XDM frame – those have better accuracy at the cost of considerably greater weight coming from the hefty, unlocked bolt.

The Apex is one of the best short-range carbine conversions. Its only competitor, Roni Civilian kit is even and has equally little recoil but measures 3 inches longer for the same barrel length. The installation is easier on the Apex. More importantly, Meta Tactical supports more gun models in a wider variety of calibers. In .45 ACP, available magazines hold 13, 25 or 50 rounds, in 9mm the options range from 15 to 60.

Overall, the Apex conversion is a handgun enhancement more than it is a long gun. A really competent pistol shooter can be almost as accurate with a handgun, but Apex makes it easy to be accurate quickly and with much less training. A beginner marksman can consistently hit the A zone at 25 yards with it, something that will take more pistol shooters months of practice. The lack of recoil and much milder report than from a handgun make practical accuracy easier, while the extra barrel length





makes a positive ballistic difference, especially with high-pressure cartridges. In a home-defense environment, the muzzle of the bullpup sticks forward less than a pistol at full extension. As with a pistol, Apex conversion can be fired from the retention position. It is also compatible with sound suppressors. As a defensive implement, especially

for petite, lightly built, or recoil-sensitive users, this is an excellent option. Centrally located grip permitting one-handed operation also suits it admirably for vehicle or mounted use. The sole problem is seeing my stash of ammunition disappear rapidly as every at the range asks to try it out: this kit is just plain fun!



# ATHLON RIDICULOUSLY GOOD OPTICS

## MIDAS TSP1

The Athlon TSP1 prism scope gives you great versatility. This device is equipped with a prism for a crisp, vivid image. The prism-based design allows for a more compact scope without sacrificing optical quality. The Midas TSP1 features the ability to toggle between both red and green illumination. Forget to turn it on? Batteries run dead? No worries, the etched reticle is visible even without a battery installed.

Athlon prism scopes are nitrogen-filled, fog proof and shock proof, allowing for reliable use in a wide range of environments. Reticles are etched directly on the glass to make sure you have consistent point-of-aim at all times. Illumination on or off, the reticle is always visible.

**SPECS:** 1X magnification, 21mm objective lens, 66' FOV@100 yds, Red/Green dot, 1MOA click value, AAA battery, 6.25 Oz weight, 2.7" length.  
Midas TSP1 **34411** **\$269.99**



## ARGOS BTR GEN2

### 6-24x50 APMR FFP IR MIL

If you're looking for a top-rated rifle scope, check out the Argos BTR GEN2 family of rifle scopes. The Argos BTR GEN2 family is great for those looking to get started in PRS or other long-range shooting disciplines. This family of rifle scopes features FFP and SFP models, True Precision Zero Stop, Fully Multi-coated Lenses, Direct Dial Elevation & Windage Turrets, Illuminated Reticles, and 30mm Tubes.

**SPECS:** 6-24X magnification, 50mm objective lens, 30mm tube, Exposed turrets, 16.7-4.5' FOV@100 yds, 0.1MIL click value, 6MIL adjustment per rotation, 18 MIL total elevation adjustment, 18 MIL total windage adjustment, Side focus 10yds to infinity parallax adjustment, Argon purging material, 30.3 Oz weight, 14.1" length.  
Argos 6-24x50 **34410** **\$429.99**





# RL1100<sup>^</sup>

## STANDARD FEATURES:

- Made in the USA
- Eccentric Roller Bearing Drive System
- Smoother Operation, Less Effort
- Heavier Frame for Greater Rigidity
- Upgraded Primer Pocket Swager
- User-Replaceable Swage Rod Tip
- Spring-Loaded Priming Station Locator
- Reinforced Toolhead Bolt & Washer
- Improved Shellplate Indexing System
- 1050 Caliber-Conversion Compatible
- Two-Year Warranty
- **RISK FREE 30-Day Trial!**

**\$2349<sup>00\*</sup>**

\*Prices vary on exotic-caliber machines.

*Total price as pictured with optional accessories: **\$3039.95***

<i>Mr. Bulletfeeder by Double Alpha</i>	15145	\$519.95
<i>Low Powder Sensor</i>	16306	\$55.00
<i>Bullet Tray</i>	22215	\$64.00
<i>RL1100 Toolholder w/Wrench Set</i>	62202	\$52.00



# RL1100 Accessories

## QUICK-CHANGE TOOLHEAD CONVERSION<sup>^</sup>

### Includes:

- Toolhead
  - Powder Measure
- (NOTE: Toolhead Stand sold separately below.)

66215, \$409.00

## CALIBER CONVERSION<sup>^</sup>

### Includes:

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



### Pistol Calibers

.32 ACP	20633/\$185.00
.32 S&W Long	20634/\$185.00
.32 H&R Magnum	20634/\$185.00
.380 ACP	20483/\$185.00
9mm Parabellum	20482/\$185.00
9x25 Dillon	21525/\$185.00
.38 Super	20484/\$185.00
.38 Super Comp	21057/\$185.00
.38 Special	20477/\$185.00
.357 Magnum	20477/\$185.00
.357 SIG	20068/\$185.00
.38-40 Winchester	21160/\$185.00
.40 S&W	20545/\$185.00
10mm	20788/\$185.00
.41 Magnum	20478/\$185.00
.44 Special	20479/\$185.00
.44 Magnum	20479/\$185.00
.44-40 Winchester	21161/\$185.00
.45 GAP	21010/\$185.00
.45 ACP	20480/\$185.00
.45 Colt	20481/\$185.00
.475 Linebaugh	20833/\$230.00
.480 Ruger	20833/\$230.00
.500 Action Express	call
.500 S&W Magnum	20834/\$230.00

### Rifle Calibers

.223 Remington	20485/\$185.00
.223 Rem./Carbide	call
.22-250	21055/\$210.00
.243 Winchester	21054/\$210.00
6.5 Creedmoor	62403/\$210.00
6.5 Grendel	20896/\$210.00
6.8 SPC	20468/\$210.00
.30 Carbine	20626/\$210.00
7.62x39	20631/\$230.00
.300 AAC Blackout	62374/\$185.00
.30-30 Winchester	21052/\$210.00
.308 Winchester	21049/\$210.00
.308 Win./Carbide	call
.45-70 Government	21056/\$250.00

### Conversion#/Price

66107/\$2349.00
66109/\$2349.00
66109/\$2349.00
66108/\$2349.00
66100/\$2349.00
66139/\$2449.00*
66111/\$2349.00
66112/\$2349.00
66113/\$2349.00
66114/\$2349.00
66115/\$2349.00
66121/\$2349.00
66116/\$2349.00
66117/\$2349.00
66118/\$2349.00
66119/\$2349.00
66120/\$2349.00
66122/\$2349.00
66123/\$2349.00
66101/\$2349.00
66124/\$2349.00
call
66125/\$2449.00*
66126/\$2449.00*

### Machine#/Price

66103/\$2349.00
66102/\$2449.00*
66127/\$2449.00*
66133/\$2449.00*
66129/\$2449.00*
66130/\$2449.00*
66131/\$2449.00*
66110/\$2349.00
66132/\$2449.00*
66106/\$2449.00*
66134/\$2449.00*
66105/\$2349.00
66104/\$2449.00*
66136/\$2449.00*

### Machine#/Price

66107/\$2349.00
66109/\$2349.00
66109/\$2349.00
66108/\$2349.00
66100/\$2349.00
66139/\$2449.00*
66111/\$2349.00
66112/\$2349.00
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66114/\$2349.00
66115/\$2349.00
66121/\$2349.00
66116/\$2349.00
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66118/\$2349.00
66119/\$2349.00
66120/\$2349.00
66122/\$2349.00
66123/\$2349.00
66101/\$2349.00
66124/\$2349.00
call
66125/\$2449.00*
66126/\$2449.00*

## TOOLHEAD STAND

If you have more than one toolhead set up for your machine, this is a must have to store it.

62200, \$60.00

## PRIMER SYSTEM<sup>^</sup>

Large primer system conversion	66217	\$165.00
Small primer system conversion	66216	165.00

## EXTRA CASEFEED PLATE<sup>^</sup>

Large pistol	21072	\$55.00
Large rifle	21075	55.00
Small rifle	21074	55.00
Small pistol	21073	55.00

## POWDER MEASURE<sup>^</sup>

20421	\$154.00
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## 1100 TOOLHEAD<sup>^</sup>

66024	\$250.00
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## TOOLHOLDER

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

With bracket	62202, \$52.00
W/O bracket	62203, \$47.00

## BULLET TRAY

Designed for "economy of motion" when loading.

22215, \$62.00



## MACHINE MAINTENANCE KIT<sup>^</sup>

Everything you need to keep your Dillon loader cleaned and lubricated up to factory specifications.

Maintenance Kit 22211, \$40.00

## MACHINE COVER<sup>^</sup>

This nylon cover adds security to your loading bench. Comes equipped with a D-ring, allowing the heavy-duty zipper to be locked. 13239, \$39.99

Master lock 13083, \$6.99

## SPARE PARTS KIT<sup>^</sup>

1 Super 1050 Spring Bushing	
1 Cam Guide Bolt 1/4-20	
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
2 Dispensing Tips, Small
2 Dispensing Tips, Large
CP/RL 1100 Toolhead Spring
Blue Failsafe Strip Nut
Power Bar Spacer Plug
Primer Slide Roller
Primer Slide Roller Screw
Primer Station Locator Tab
Primer Station Locator Spring
Primer Station Locator Bushing
66206, \$64.00

## PRIMER PICKUP TUBES

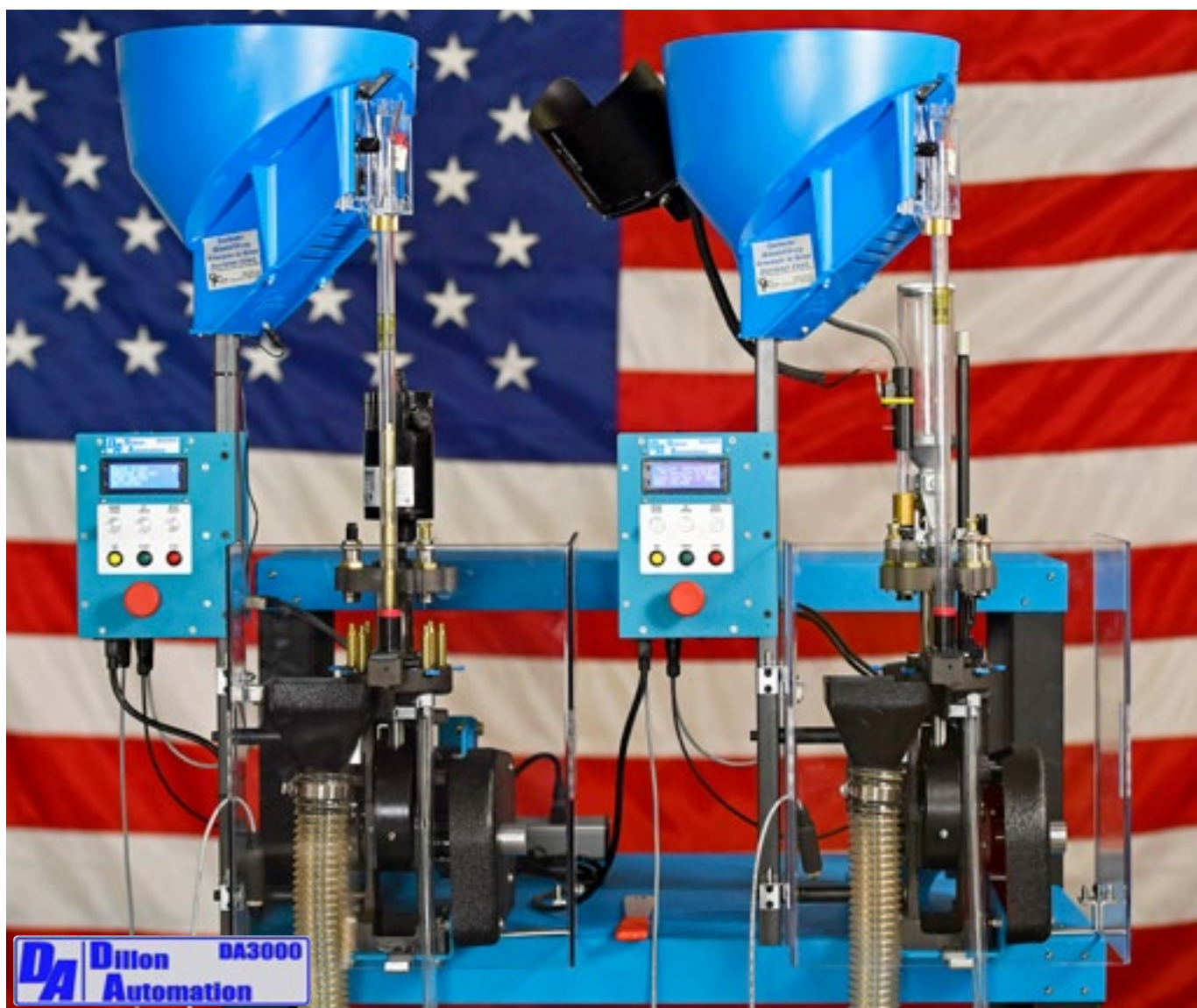
Used to transfer primers from flip tray to priming system.

1 Lg.	22029	\$11.00
1 Sm.	22028	11.00
2 Sm., 2 Lg.	20056	40.00
4 Lg.	20050	40.00
4 Sm.	20049	40.00

## PRIMER FLIP TRAY

A heavy, high-quality tray large enough for the Federal primer package. 13606, \$33.00 ea.





# Dillon Automation's DA3000

## For Dillon Precision's CP2000 and RL1100

Introducing the new Dillon Autodrive 3000!

- Fully automates the Dillon Precision CP2000 and RL1100.
- Case Preparation rate up to 3000 rounds per hour!
- Reloading rate up to 2000 rounds per hour!
- DA3000 easily installs on your Reloading and Case Prep machines.
- Simply press the "Start" button – no more manual cycling of the machine.
- Adjustable Cycle Rate and Dwell.
- Dillon custom-built Industrial Controller.
- Integrated safety controls and shield.
- Field-tested and proven patented design.
- One-year warranty on the DA3000.
- Maintains your Dillon-Factory machine warranty.
- Made in Scottsdale, Arizona USA.

**dillon-automation.com**



# On the Cover



**T**his month's cover model is Ciara carrying her Staccato C2 9mm. I guess the neighborhood must be tougher than it looks, eh? To see more photos of Ciara and other *Blue Press* cover models, follow us @bluepress.

## Mr. Bulletfeeder<sup>®</sup> by Double-Alpha

**M**r. 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 collator to be mounted onto the casefeeder, 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 Set Up in One Caliber

9mm/.38/.357	15145	\$519.95
.40 S&W/10mm	15146	519.95
.45 ACP	15148	519.95
.223 Rem./5.56 NATO	15150	539.95
.30 cal./7.62mm	15153	559.95
6.5mm	15154	559.95

### Mr. Bulletfeeder Caliber Conversions

9mm/.38/.357	15168	\$169.95
.40 S&W/10mm	15169	169.95
.45 ACP	15170	169.95
.223 Rem./5.56 NATO	15171	169.95
.30 cal./7.62mm	15172	169.95
6.5mm	15173	169.95

### Replacement Bullet Dropper Dies

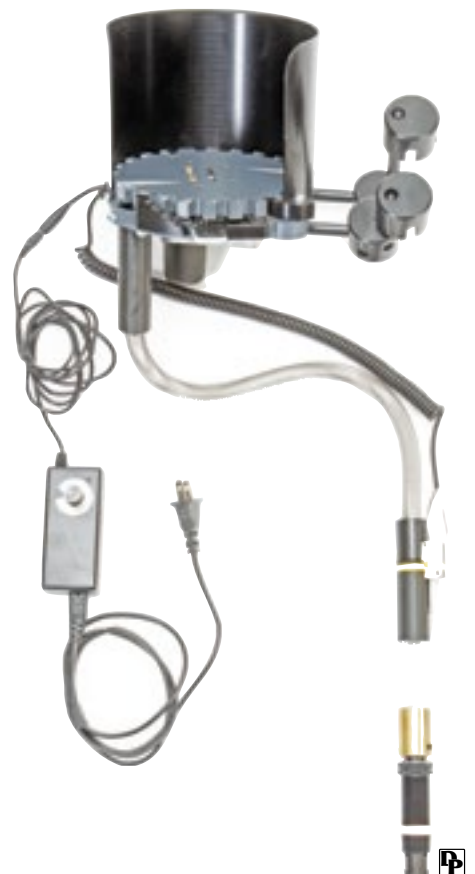
9mm/.38/.357	10218	\$104.95
.40 S&W/10mm	10219	104.95
.45 ACP	10220	104.95
.223 Rem./5.56 NATO	10221	104.95
.30 cal./7.62mm	10236	104.95

### Replacement Output Tube Assemblies

Small Output	10238	\$36.95
Large Output	10239	36.95

### Replacement Nose Guide Spacers

Set of Four	10237	\$4.99
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# SUPER 1050<sup>^</sup>

## STANDARD FEATURES:

- Made in the USA
- Loading Rate: 1000-1200 Rds/Hr
- High Strength Ductile Iron Frame
- Swages Military Primer Pockets
- Automatic Indexing
- Variable-Speed Casefeeder
- Automatic Primer System
- Automatic Powder Measure
- Factory Adjusted Reloading Dies
- One-Year Warranty
- **RISK FREE** 30-Day Trial!

**\$2449<sup>00\*</sup>**

\*Prices vary on exotic-caliber machines.



*Total price as pictured with optional accessories: \$2719.00*

<i>Powdercheck System</i>	<i>21044</i>	<i>\$99.00</i>
<i>Low Powder Sensor</i>	<i>16306</i>	<i>\$55.00</i>
<i>Bullet Tray</i>	<i>22215</i>	<i>\$64.00</i>
<i>1050 Toolholder w/Wrench Set</i>	<i>62202</i>	<i>\$52.00</i>



# SUPER 1050 ACCESSORIES

## QUICK-CHANGE TOOLHEAD CONVERSION<sup>^</sup>

### Includes:

- Toolhead
  - Powder Measure
- (NOTE: Toolhead Stand sold separately below.)

21393, \$409.00



## CALIBER CONVERSION<sup>^</sup>

### Includes:

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



### Rifle Calibers

.22-250  
.243 Winchester  
6.5 Creedmoor  
6.8 SPC  
.270 Winchester  
7.62x39  
.30-30 Winchester  
.300 WSM  
.303 British  
.308 Winchester  
.308 Win./Carbide  
.30-06 Springfield  
.30-06 Sp./Carbide  
.45-70 Government

### Conversion#/Price

21055/\$205.00  
21054/\$205.00  
62403/\$205.00  
20468/\$205.00  
21053/\$205.00  
20631/\$225.00  
21052/\$205.00  
20466/\$235.00  
21051/\$205.00  
21049/\$205.00  
call  
21050/\$270.00  
62179/\$370.00  
21056/\$245.00

### Machine#/Price

21129/\$2449.00\*  
21126/\$2449.00\*  
62404/\$2449.00\*  
21150/\$2449.00\*  
18491/\$2449.00\*  
21144/\$2449.00\*  
21003/\$2449.00\*  
21110/\$2449.00\*  
21060/\$2449.00\*  
21058/\$2299.00\*  
21068/\$2449.00\*  
21059/\$2525.00\*  
62178/\$2475.00\*  
21064/\$2449.00\*

## TOOLHEAD STAND

If you have more than one toolhead set up for your 1050, this is a must have to store it.

62200, \$60.00

## 1050 PRIMER SYSTEM<sup>^</sup>

Large primer system conversion 20476 \$165.00  
Small primer system conversion 20419 165.00

## EXTRA CASEFEED PLATE<sup>^</sup>

Large pistol 21072 \$55.00  
Large rifle 21075 55.00  
Small rifle 21074 55.00  
Small pistol 21073 55.00

## 1050 POWDER MEASURE<sup>^</sup>

20421 \$154.00

## 1050 TOOLHEAD<sup>^</sup>

20420 \$250.00



## TOOLHOLDER

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

With bracket 62202, \$52.00

W/O bracket 62203, \$47.00

## BULLET TRAY

Designed for "economy of motion" when loading.

22215, \$62.00



## MACHINE MAINTENANCE KIT<sup>^</sup>

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

Maintenance Kit 22211, \$40.00

## MACHINE COVER<sup>^</sup>

This nylon cover adds security to your loading bench. Comes equipped with a D-ring, allowing the heavy-duty zipper to be locked. 13239, \$39.99

Master lock 13083, \$6.99

## SPARE PARTS KIT<sup>^</sup>

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

20779, \$64.00

## PRIMER PICKUP TUBES

Used to transfer primers from flip tray to priming system.

1 Lg. 22029 \$11.00

1 Sm. 22028 11.00

2 Sm., 2 Lg. 20056 40.00

4 Lg. 20050 40.00

4 Sm. 20049 40.00

## PRIMER FLIP TRAY

A heavy, high-quality tray large enough for the Federal primer package. 13606, \$33.00 ea.



# Dillon's Range Bag<sup>^</sup>



**33389 \$139.99**

Borrowing design features from Dillon's original range bag, but with upgraded metal D-rings and clips for the shoulder strap, Dillon's "Retro" Gray Range Bag is constructed of heavy-duty ballistic nylon.

The primary compartment measures 14-1/4" x 7" x 8" and features two interior pockets measuring 6-1/2" x 6-3/4" with hook-and-eye closure flaps. An additional interior pocket measures 5" x 7-1/2".

The top cover can be quickly secured via hook-and-loop strips at the end or by two side zippers.

There are two zip-up outer compartments measuring 12" x 8" x 1-1/2". One of the outer compartments features extra padding for carrying a handgun, and the other has an external zippered compartment for pens, pencils, etc.

## "Border Shift" Ammo Bag<sup>^</sup>

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!

Border Shift Ammo Bag, Black	<b>13755</b>	<b>\$35.99</b>
I.D. Card Holder <sup>^</sup>	<b>14575</b>	<b>2.99</b>



## Dillon Pistol Case<sup>^</sup>

Our pistol case was designed to hold and protect your pistol and carry 200 rounds of ammunition! The back side of the durable, ballistic nylon case features two pockets that will accept Dillon's 100-round ammo boxes. The case features a heavy-duty, locking YKK zipper, closed-cell foam padding and a suede-textured fabric liner to protect your pistol's finish. Measures 14" x 9".

**12709 \$39.99**







**HI-POINT**  
FIREARMS



# JXP10 10MM

The first 10mm handgun  
from Hi-Point Firearms and  
the most affordable.

**NEW - Slide design**  
**NEW- Grips & Safety**  
**Replacable Front Sight**  
**Red Dot Ready**  
**Threaded Barrel**  
**Pic Rail Accessory**

**Magazines compatible with 1095 Carbine**

**HI-POINTFIREARMS.COM**



**AMERICAN MADE**  
**AMERICAN PROMISE**

# GEAR FOR EVERYDAY LIFE

**FULLFORGEGEAR.COM**



## **S T O R M** **RANGE/TOOLBAG**

**600 DENIER POLYESTER FABRIC**

**210 DENIER POLYESTER LINING**

**NYLON MONOFILAMENT THREAD**  
**STITCHING**

**10-GAUGE NYLON ZIPPER**

**WATER-RESISTANT**

**REINFORCED CARRY HANDLE.**

## **C A T - 1** **SINGLE PISTOL CASE**



**FULL FORGE GEAR**



# XL750<sup>^</sup>

## STANDARD FEATURES:

- Made in the USA
- Automatic Indexing
- Automatic Powder Measure
- Automatic Linear Priming System
- Uses Standard 7/8" x 14 Dies
- Loading Rate: 500-800 Rds./Hr.
- 5-Station Interchangeable Toolhead
- Comes With One Caliber Conversion
- Loads 115 Calibers Up To .338 Lapua
- Index Block Roller for Smoother Indexing
- Spring-Loaded Priming Station Case Locator
- Lifetime "No-B.S." Warranty
- **RISK FREE 30-Day Trial!**

**\$859<sup>00\*</sup>**

**P83-750**

Reloading dies sold separately.

\*Prices vary on exotic-caliber machines.



Total price as pictured with optional accessories: **\$1766.00**

Variable-Speed Casefeeder	210**	\$355.00
Powdercheck System	21044	\$99.00
.45 ACP Die Set	14404	\$125.00
Strong Mount	22051	\$100.00
Roller Handle	17950	\$65.00
Low Powder Sensor	16306	\$55.00
Bullet Tray	22214	\$64.00
750 Toolholder w/Wrench Set	11541	\$44.00



# XL750 ACCESSORIES

## CALIBER CONVERSION KITS<sup>^</sup>

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)*

### XL 750/650 CONVERSION

(Specify Caliber) **\$120.00\***

\*(All belted magnums and exotic calibers, \$139.00 ea.)



## POWDER MEASURE<sup>^</sup>

**20782, \$129.00 each**

Magnum Rifle Powder Bar

**21353, \$47.00 each**

X-Small Powder Bar

**20780, \$47.00 each**

## QUICK CHANGE<sup>^</sup>

Toolhead, Toolhead Stand and Powder Measure

**22059, \$170.00**



## TOOLHEADS

**13863, \$40.00 each**

## POWDER DIES<sup>^</sup>

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

**20064, \$21.00 each**

**X-Large Powder Dies, 21253, \$28.00 each**



## TOOLHEAD STANDS

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

**22055, \$30.00 each**



## EQUIPMENT DUST COVERS<sup>^</sup>

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

750/650 Cover, **10443, \$39.99**

(P.) Master lock, **13083, \$6.99**

Quick-Change Cover (for use **with** powder measure) **11143, \$14.99**



## XL750 PRIMING SYSTEM<sup>^</sup> (Not Pictured)

Priming System Assembly **75100 \$90.00**

## DON'T FORGET ONE OF THESE!

Mounting Hardware Kit **14355 \$9.00**

1" Bench Wrench **10842 15.00**



## 110/220v Variable-Speed Casefeed Assembly

Large pistol	<b>21080</b>	<b>\$355.00</b>
Large rifle	<b>21081</b>	<b>355.00</b>
Small pistol	<b>21079</b>	<b>355.00</b>
Small rifle	<b>21082</b>	<b>355.00</b>
Magnum rifle	<b>21083</b>	<b>355.00</b>

## Casefeed Plate<sup>^</sup>

Large pistol (pictured)	<b>21072</b>	<b>\$55.00</b>
Large rifle (pictured)	<b>21075</b>	<b>55.00</b>
Magnum rifle	<b>18492</b>	<b>65.00</b>
Small rifle	<b>21074</b>	<b>55.00</b>
Small pistol	<b>21073</b>	<b>55.00</b>

## MACHINE MAINTENANCE KIT<sup>^</sup>

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

**Maintenance Kit 22211, \$40.00**

**Maint. Kit & XL 750 Sp. Parts**

**Kit 97500, \$79.00**



## SPARE PARTS KIT<sup>^</sup>

1 650 Ejector Wire  
1 Slide Spring Pin  
1 Indexer Spring  
1 Indexer Pawl  
1 650 Primer Cam  
1 XL 750 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 Index Ball Spring  
2 Pickup Tube Tips, Small

1 650 Tool Head Pin  
2 Pickup Tube Tips, Large  
1 Primer Cup Spring  
2 Retaining Clips  
2 650 Shellplate Cap  
1 650 Primer Support Shim  
1 Case Insert Slide Spring Cap  
2 Dispensing Tips, Large  
2 Dispensing Tips, Small  
2 SDB #10 Rod Washer  
1 550 Primer Slide Roller  
1 Slide Roller Post  
1 550 Slide Return Spring  
1 Primer Retaining Pin Spring  
1 10-24 x 7/8" SHCS  
1 Primer Retaining Pin  
1 XL 750 Primer Punch, Large  
1 XL 750 Primer Punch, Small  
1 XL 750 Primer Cup, Large  
1 XL 750 Primer Cup, Small  
1 XL 750 Primer Punch Spring  
2 Adj. CF Port Cuff Nut

**75111, \$49.00**

## PRIMER PICKUP TUBES

Used to transfer primers from flip tray to priming system.

1 Lg.	<b>22029</b>	<b>\$11.00</b>
1 Sm.	<b>22028</b>	<b>11.00</b>
2 Sm., 2 Lg.	<b>20056</b>	<b>40.00</b>
4 Lg.	<b>20050</b>	<b>40.00</b>
4 Sm.	<b>20049</b>	<b>40.00</b>

## PRIMER FLIP TRAY

A heavy, high-quality tray large enough for the Federal primer package. **13606, \$33.00 ea.**



# Get the Lead Out

By Maureen P. Sangiorgio,  
NRA-Certified Firearm Instructor/Range Safety Officer

As soon as I saw my friend Charles step out of his car, I knew something was wrong. An accomplished gunsmith, he stopped by to show me his latest build. He looked pale and was not walking with his normal gait. When I asked him what's going on, he proceeded to tell me he had a serious case of lead poisoning. He was working at an indoor gun range I used to shoot at, and when he and the rest of the staff started feeling weird symptoms, they decided to see their doctors. Turns out they all tested positive for lead poisoning.

"My first symptom was memory loss and confusion," recalls Charles. "This was followed by chest pain, joint aches, dental issues, and muscle cramps." Blood testing showed he had 15 times the normal limit for lead in his body. Treatment took over a year and included many rounds of chelation therapy to remove the toxic lead from his body. Ten years later, Charles feels better, but still suffers from memory and cognitive issues. "Unfortunately, my doctor told me some of the damage done to my body will be permanent."

## What is Lead Poisoning?

Found naturally in the Earth's crust, lead is a metal commonly used in many industries, including construction, mining, and manufacturing. People are exposed to lead by breathing it in, swallowing it, or absorbing it through

the skin. At a shooting range, both indoor and outdoor, you can be exposed to lead by handling ammo that contains lead. You can also be exposed to lead dust from smoke released in the air when a gun is fired, or from the lead that lands on the floor, firing line, and shelves at an indoor range. Downrange, lead particles become airborne from splatter caused by bullets hitting the target, backstops, floors, walls, or baffles. Lead poisoning occurs when there is a buildup of lead in your body that can cause health problems.

Unfortunately, lead fumes and lead dust do not have an odor and may not be seen

in the air, so you may not know you are being exposed. In addition, your body absorbs higher levels of lead when it is breathed in compared to swallowing it or absorbing it through your skin. Lead particles in fumes are smaller than lead dust; this means fumes can penetrate



**D•Wipe Towels and D•Lead Hand Soap are available on Page 85. Slip 2000 Gun Wipes are on Page 70. All are great additions to your range bag.**



deeper into your lungs, resulting in higher exposure.

#### **Symptoms of Lead Poisoning Include:**

- Metallic taste
- Headache
- Fatigue
- High blood pressure
- Abdominal pain, nausea, vomiting
- Joint and muscle pain
- Diarrhea or constipation
- Dehydration, headache, exhaustion, irritability, weakness
- Appetite loss
- Memory loss
- Pain, numbness or tingling in your hands or feet

#### **Health Effects of Lead Poisoning**

Lead poisoning can occur over a prolonged time or following a single exposure. According to the Centers for Disease Control and Prevention (CDC), if your lead level is from 5 to 39 mcg/dl, possible health effects include high blood pressure, kidney damage, reduced sexual drive, reduced ability to have an erection, birth defects, decreased chance of becoming pregnant, and miscarriage/stillbirth.

If your lead level is 40 + mcg/dl, possible health effects include all the above, in addition to headache, irritability, nervousness, constipation, fatigue, poor appetite, sperm damage, difficulty sleeping, upset stomach, and joint/muscle aches.

#### **How to Prevent Lead Poisoning**

To lower your risk of lead poisoning, follow these tips from the National Rifle Association, the United States Department of Labor, Occupational Safety and Health Administration, and the CDC:

- Cast bullets ONLY in a designated area with good ventilation. A dedicated area with a direct ventilation duct is recommended.
- Do not cast bullets or reload ammunition in areas where food is prepared or consumed.
- Keep the ammunition reloading area clean by using a disposable dropcloth or by wet wiping using detergent and a disposable cloth. Be cautious to prevent dust contamination, particularly if children or pets could access the area. Check out the Slip 2000 Gun Wipes sold by Dillon Precision. Each Slip 2000 Gun Wipe packet contains one 5" x 8" wipe treated with Slip 2000 Synthetic Gun Lube. Perfect for wiping your guns down after a day on the range or while out on a hunt. Apply to all metal surfaces. These cloths are great for light carbon cleaning, and safe for all firearm stocks and grips. They also prevent rust and corrosion, displaces moisture, remove fingerprints, lubricate and clean. These wipes will not attract dust and dirt, and they do not contain Teflon or PTFE additives.
- Try to shoot outdoors more often, lowering the amount of time spent at an indoor range. According to the NRA, indoor ranges carry more lead risk than outdoor

ranges do. Indoor ranges can increase ventilation and use HEPA filters and vacuums to reduce lead exposure. However, covered outdoor shooting is safer, and uncovered outdoor shooting is safer still. Shooting outdoors, with the wind at your back, is the safest shooting position, as it can blow the lead released in the air away from you.

- DO NOT drink, eat, smoke, or touch your face while reloading or at the range.
- Ensure that there is proper ventilation in the shooting range if indoors. General ventilation along with separate ventilation systems blowing downrange should be used to ensure that air is filtered properly and exhausted.
- Use jacketed ammunition, preferably with lead-free primers. And look for coated bullets, such as Federal's Syntech ammo. Coated bullets (common coatings include copper and polymer), greatly reduce the amount of lead dust in the air and on your gun. You're still not 100 percent lead-free, because lead is also found in primers, but coated bullets will reduce the amount of lead exposure.
- Wash your hands, wrists, and forearms immediately after shooting, handling ammunition and cleaning firearms. This should be done before contact with others and eating or drinking. Use cold water, as warm water opens the pores, giving lead more opportunity to enter your body. Dillon Precision sells a product called D-Lead Hand Soap. This liquid 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. Available in an eight-ounce bottle.
- Use a wet mop or vacuum with a high-efficiency particulate air filter and wear proper protective gear with respirators when cleaning inside the firing range and performing range maintenance.
- Change clothes and shoes before leaving a firing range. Wash contaminated clothes separate from other laundry. Ensure that you are properly clean before interacting with others.
- Shower as soon as possible after leaving the range. Washing your hair and body will remove any lead dust. If you can stand it, make the shower water as cool as possible to avoid opening your pores.
- Have your blood lead level tested and watch for symptoms if you think you have been exposed to lead.

#### **For More Information**

If you would like more information on lead poisoning, go to the Centers for Disease Control and Prevention ([www.cdc.gov](http://www.cdc.gov)), and the National Institute for Occupational Safety and Health ([www.cdc.gov/niosh](http://www.cdc.gov/niosh)). If you think you might have lead poisoning, contact your healthcare provider immediately.



# RL550C<sup>^</sup>

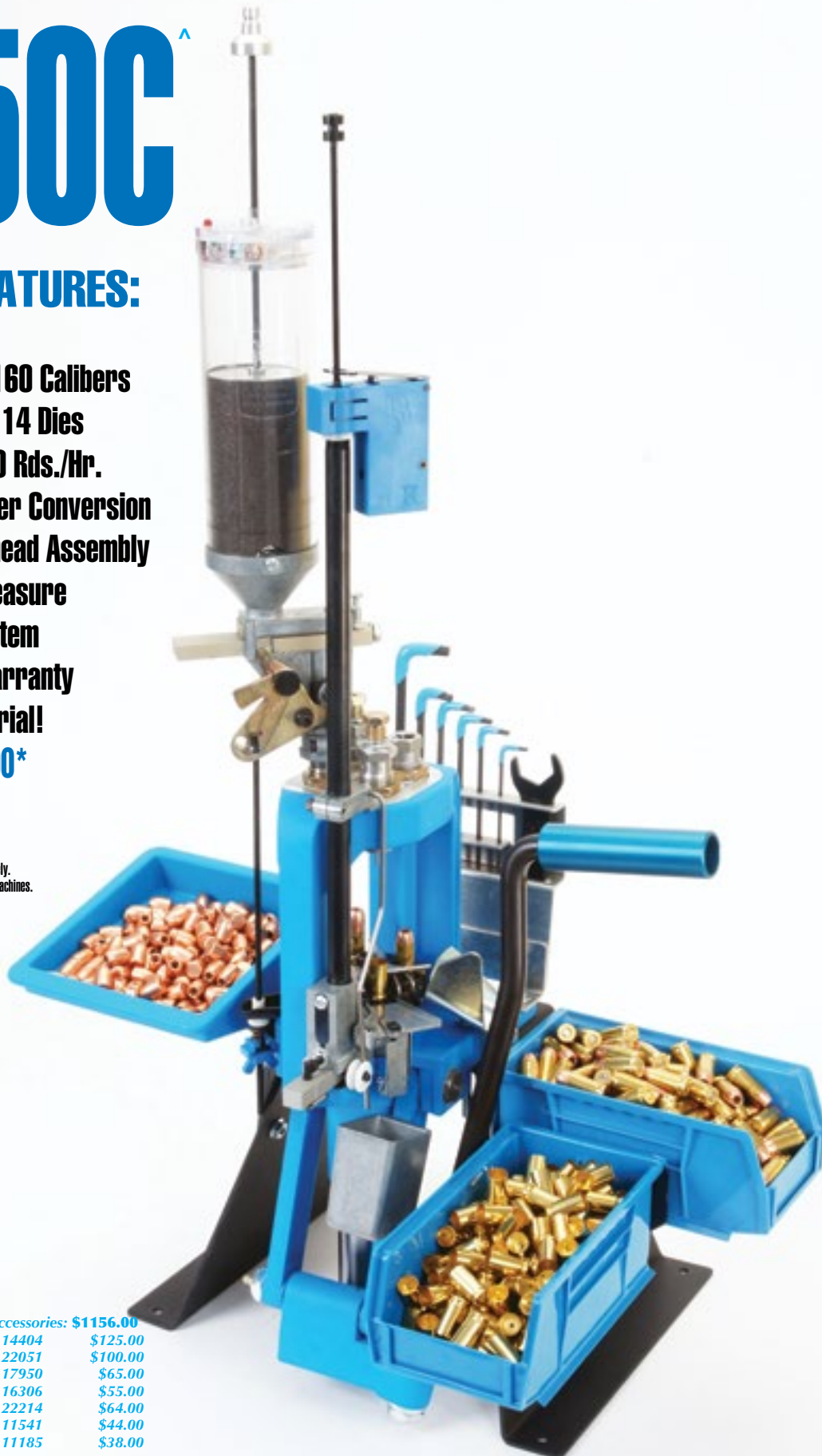
## STANDARD FEATURES:

- Made in the USA
- 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!**

**\$665<sup>00\*</sup>**

**14261**

Reloading dies sold separately.  
\*Prices vary on exotic-caliber machines.



Total price as pictured with optional accessories: **\$1156.00**

.45 ACP Die Set	14404	\$125.00
Strong Mount	22051	\$100.00
Roller Handle	17950	\$65.00
Low Powder Sensor	16306	\$55.00
Bullet Tray	22214	\$64.00
550 Toolholder w/Wrench Set	11541	\$44.00
550 Cartridge Case Bin/Bracket <sup>^</sup>	11185	\$38.00



# RL550C ACCESSORIES

## RL550 CALIBER CONVERSION KITS<sup>^</sup>

Contains: Shellplate, powder funnel and locator buttons.  
Available in all calibers;  
*please specify caliber desired.*  
**RL550 CONVERSION \$75.00**  
(Exotic calibers, \$90.00<sup>^</sup>)



## AUTO POWDER MEASURE SYSTEMS<sup>^</sup>

Additional powder measures stay on the toolhead. Never change powder measurements again!  
RL 550 Powder Measure  
**20782, \$129.00 each**  
Magnum Rifle Powder Bar  
**21353, \$47.00 each**  
X-Small Powder Bar  
**20780, \$47.00 each**



## DELUXE QUICK CHANGE ASSEMBLY<sup>^</sup>

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, **22058, \$165.00**

Loading dies sold separately on Pages 23 & 34.

## POWDER DIES<sup>^</sup>

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

**20064, \$21.00 each**  
**X-Large Powder Die, 21253, \$28.00 each**



## TOOLHEADS

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

**13909, \$34.00 each**



## TOOLHEAD STANDS

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

**22055, \$30.00 each**

## RL550 CASEFEEDER UPGRADE<sup>^</sup>

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

Large Pistol **14450**

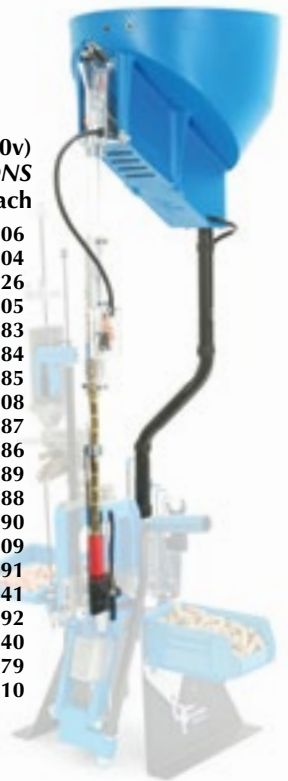
Small Pistol **14451**

**\$435.00 (110v)**

## CASEFEEDER CALIBER CONVERSIONS

**\$45.00 each**

.25-20/.32-20 Winchester	<b>14206</b>
.30 Mauser/7.62x25	<b>14204</b>
.30 AAC Blackout	<b>62226</b>
.32 S&W Long	<b>14205</b>
.32 H&R Magnum	<b>14283</b>
9mm/9x21/.38 Super/.30 Luger	<b>14284</b>
10mm/9x25 Dillon	<b>14285</b>
.38 S&W	<b>14208</b>
.38 Super Comp.	<b>14287</b>
.38/.357 Magnum	<b>14286</b>
.357 SIG/.40 S&W	<b>14289</b>
.38-40/.44-40 Winchester	<b>14288</b>
.41 Magnum	<b>14290</b>
.44 Russian	<b>14209</b>
.44 Special/Magnum/Colt	<b>14291</b>
.45 GAP	<b>11441</b>
.45 ACP/.40 Super/.400 Cor-Bon	<b>14292</b>
.45 Auto Rim	<b>19140</b>
.45 Colt/.45 S&W/.454 Casull	<b>14279</b>
.45 Winchester Magnum	<b>14210</b>



## EQUIPMENT DUST COVERS<sup>^</sup>

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

RL 550 Cover, **13795, \$24.99**

Master lock, **13083, \$6.99**

Quick-Change Cover<sup>^</sup> (for use with powder measure) **11143, \$14.99**

## 1" BENCH WRENCH

**10842, \$15.00 each**



## MACHINE MAINTENANCE KIT<sup>^</sup>

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

**Maintenance Kit 22211, \$40.00**

**Maint. Kit & Spare Parts Kit 97016, \$65.00**

## 550 SPARE PARTS KIT<sup>^</sup>

- 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

**20048, \$37.00**

## UNIVERSAL MOUNTING HARDWARE KIT

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

**14355, \$9.75**

# Dillon Die Sets



## Sizing/Depriming Die (Pistol)

Our sizing/depriming dies feature a “floating decap assembly” with a snap spring that throws the spent primer off the pin and eliminates the primer “draw back” that often occurs when decapping military brass. The primary feature of Dillon’s size die design is the long, tapered carbide ring with a radiused opening. 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 (Pistol)

Our quick-disassembly seat die allows the user to disassemble and clean the seating 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. Dillon’s double-ended design makes it simple 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.

## Crimp Die (Pistol)

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 toolhead 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.

## Dillon Carbide Pistol Dies (Three-Die Sets)

.32 S&W Long/.32 H&R Mag.	14426	\$125.00
.380 ACP	14401	125.00
9mm Parabellum	14406	125.00
9x25 Dillon	14601	235.00
.357 SIG	22083	235.00
.38 Super	14399	125.00
.38 Special/.357 Magnum	14400	125.00
10mm/.40 S&W	14398	125.00
.41 Magnum	14402	125.00
.44 Special/.44 Magnum	14403	125.00
.45 ACP/.45 GAP	14404	125.00
.45 Colt	14405	125.00

## Spare Decapping Pins

Package of 10	21528	\$9.00
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## Sizing/Depriming Die (Rifle)

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 headspace 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 (Rifle)

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 (Rifle)

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.

## Dillon Rifle Dies (Three-Die Sets)

.223 Remington	10839	\$140.00
.308 Winchester	15574	140.00
.30-06 Springfield	10840	140.00

## Dillon Carbide Rifle Dies (Three-Die Sets)

.223 Remington	10096	\$240.00
.30 M1 Carbine	62128	175.00
.300 AAC Blackout	62114	250.00
.308 Winchester	10793	245.00
.30-06 Springfield	62151	350.00

## Spare Decapping Pins

.223 Remington	13278	\$8.00
.308 Winchester	13132	8.00
.30-06 Springfield	13069	8.00
For Universal Decapping Die	15816	8.00

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

Dillon Die Lock Ring	14067	\$2.75
5-Pack Die Lock Rings	10669	9.00

**Note: Individual Dillon size, seat and crimp dies are available. Call or visit our website to order.**





# BL550<sup>^</sup>

## Dillon's Basic Loader

**\$415<sup>00</sup>**  
**15399**

Reloading Dies and Caliber Conversions sold separately  
Pictured with optional accessories:  
Strong Mount 22051 \$98.00

Dillon's RL550 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 BL550 is essentially an RL550 without the automatic priming and powder systems.

Capable of loading over 160 calibers – just like the RL550 – 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 RL550 loader! The interchangeable toolhead (Page 26) makes it quick, easy and inexpensive to change calibers.

**AUTO PRIME SYSTEM<sup>^</sup>** 16627 \$125.00

**PRIMER SYSTEM EARLY WARNING<sup>^</sup>**

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. 20302 \$40.00

**AUTO POWDER SYSTEM<sup>^</sup>**

Accurate to within 0.1 grain, our Automatic Powder Measure is world renowned for its charge-to-charge consistency. 20251 \$139.00

**OPTIONAL MAGNUM RIFLE POWDER BAR** 21353 \$47.00

**AUTO EJECT SYSTEM<sup>^</sup>**

Greatly increases your ammo production capabilities and adds a Cartridge Chute/ Bracket and a Cartridge Bin to your reloader. 22120 \$45.00

**BL550 POWDER DIE<sup>^</sup>**

Extra powder dies for your BL550 make it easier to set up additional toolheads for loading different calibers.

**Powder Die:** 16629 \$28.00  
**Oversize Die:** 16626 30.00  
**Plastic Funnel:** 16617 9.50

**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 RL450, AT500, BL550 or RL550. (Requires the use of an RL450 powder die – see below.) 20029 \$35.00

**RL450 Powder Die** 20308 35.00

# NGEN CARBIDE

## Die Sets for Handgun Cartridges

"The first significant breakthrough in carbide dies in over 40 years"

# REDDING

## USA

Still Proudly Made in America

1089 Starr Road, Cortland, NY 13045 • (607) 753-3331 Fax (607) 756-8445 • [www.redding-reloading.com](http://www.redding-reloading.com)

# SQUARE DEAL B

## STANDARD FEATURES:

- Made in the USA
- 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!**

**\$629<sup>00\*</sup>**



Total price as pictured with optional accessories: **\$943.00**

SDB Strong Mount	22223	\$110.00
Low Powder Sensor	16306	\$55.00
Bullet Tray	22214	\$64.00
SDB Tool Holder w/Wrench Set	19441	\$43.00
SDB Cartridge Case Bin/Bracket^	11672	\$42.00



# SQUARE DEAL B ACCESSORIES

## SQUARE DEAL B CONVERSION KITS<sup>^</sup>

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.



Calibers	Conversion#/Price	Machine#/Price
.32 S&W Long/H&R Mag.	16774/\$155.00	16815/\$629.00
<i>(.32 S&amp;W Requires X-Small Powder Bar 20780 \$45.00)</i>		
.380 ACP	20246/\$145.00	20053/\$629.00
.38 Special	20240/\$145.00	20102/\$629.00
.357 Magnum	20240/\$145.00	20103/\$629.00
.38 Super	20229/\$145.00	20099/\$629.00
.38 Super Comp	20275/\$145.00	20115/\$629.00
9mm	20241/\$145.00	20104/\$629.00
.40 S&W	20469/\$145.00	20787/\$629.00
10mm	20469/\$145.00	20643/\$629.00
.41 Magnum	20247/\$145.00	20054/\$629.00
.44 Special	20242/\$145.00	20105/\$629.00
.44 Magnum	20242/\$145.00	20052/\$629.00
.44-40 Winchester	21035/\$145.00	21036/\$629.00
.45 ACP	20123/\$145.00	20101/\$629.00
.45 Colt	20248/\$145.00	20051/\$629.00
.45 GAP	20123/\$145.00	20098/\$629.00
.45 S&W Schofield	20417/\$145.00	20418/\$629.00

## SQUARE DEAL B DELUXE QUICK CHANGE<sup>^</sup> (Not Pictured)

Includes toolhead, powder measure and SDB Toolhead Stand.

	62256	\$200.00
'SDB' POWDER MEASURE <sup>^</sup>	20001	\$129.00



## SQUARE DEAL B TOOLHEAD<sup>^</sup>

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

20113, \$56.00

## SQUARE DEAL B TOOLHEAD STAND

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

62225, \$47.00



## SQUARE DEAL B BENCH WRENCH

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

19970, \$16.00 each



## SQUARE DEAL B STRONG MOUNT & CARTRIDGE CASE BIN COMBO

Ergonomically designed to cut your workload through economy of motion! Mounts your Square Deal "B" along with a bin for your empty cartridge cases.

62395, \$130.00



## SDB CARTRIDGE CASE BIN & BRACKET ONLY

For those who already have a Strong Mount, the blue bin and silver bracket in the above photo are available separately (hardware not included).

11672, \$42.00



## MACHINE COVER<sup>^</sup>

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.

Cover, 13795, \$24.99  
Master lock, 13083, \$6.99

## MACHINE MAINTENANCE KIT<sup>^</sup>

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

Maintenance Kit 22211, \$40.00  
Maint. Kit & SDB Spare Parts Kit  
97015, \$65.00



## SDB SPARE PARTS KIT<sup>^</sup>

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  
20778, \$42.00

## PRIMER PICKUP TUBES

Used to transfer primers from flip tray to priming system.

1 Lg.	22029	\$11.00
1 Sm.	22028	11.00
2 Sm., 2 Lg.	20056	40.00
4 Lg.	20050	40.00
4 Sm.	20049	40.00

## PRIMER FLIP TRAY

A heavy, high-quality tray large enough for the Federal primer package. 13606, \$33.00 each





**"Wet noodle" wound on cleaning rod after solvent dunk and wringing out.**

# Use a "Wet Noodle" to Clean that Wad Shredder!

**By Paul L. Schimel PE; K5NJP@yahoo.com**

If you shoot clay sports, perhaps on a team and or competitively, you may have noticed a few things. First, the days of \$35 to \$46 per flat "club deal" ammo are gone. Prices have gone up and ammo is harder to get. Allocation metrics are in play, clear back to the raw materials that go into the ammo factories. Then you might have noticed that after a lot of shooting, cleaning takes a little longer than light hunting or occasional shooting. The materials haven't changed a bit. More shooting is more debris accumulation and more to clean up.

Inspecting a "dirty barrel" shows standard streaks down the bore, but cleaning the barrel often removes long fibrous strands of "gunk" that can be seen on the brush and in the consumable cleaning materials. Ported guns develop more severe streaking right after the porting holes.

The root cause of this streaking is the expansion of some hot gas in an exothermal process that pushes a plastic wad full of shot out of the barrel. The wad accelerates to perhaps 1145 feet per second over a distance of 28 inches or so. The coefficient of friction in the barrel

is nonzero, the barrel finish is not infinitely smooth AND there is fire behind the wad pushing it out of the barrel providing plenty of localized heating. With this, there can be no other outcome than the wad streaking the bore. This is simple physics. It operates regardless of "mine is better" marketing entropy or clubhouse hubris regarding ammo, barrel, shoes, chokes, glasses, tires, gloves or underwear. Porting of the barrel amplifies this by having the wad "roughed up" at speeds near Mach 1 as it sails past the porting holes like cheese over a grater. The streaks on the muzzle side of the ports are always far worse than those behind it. This is not a new phenomenon. The wad materials have not changed.

## **The Plastic**

Most shotgun wads designed to hold lead shot are made of LDPE or Low-Density Polyethylene. LDPE is a broad category of plastics with thousands of different recipes, processes and applications. In general, it's not biodegradable and seldom recycled. I can't say for certain, but LDPE was likely a plentiful, cost effective, easily produced material back when we stepped away



from nitro cards and felt wads into plastic wad territory in the late 1960s and early 1970s. To get a feel for the material, you may have noticed how a modern plastic bag from the grocery store behaves. The plastic is a long, stringy material, strong under tension in the direction of the grain...but if you bag a tube of caulk, the point stabs right through the bag. The material in the plastic bag has similar properties to the material in the wad. The material in the wad is thicker of course, but the plastic comes from the same family. I can't help but wonder what a more biodegradable solution would look like or cost. My mind wanders to the "corn plastic" or Polylactic Acid (PLA) that was popular some years back. If the material properties were suitable, and the decay were rapid enough, I'd imagine a cadre of six sigma blackbelts could design the process and the tooling and perhaps make ammo cheaper while heading towards biodegradable.

### Cleaning the Stuff

As a starting point, the baseline cleaning process is good old Hoppes #9 solvent, a wetting patch, a short soak, a scrub and then a dry patch. But I need five iterations of this method to get the barrel clean after a lot of clay shooting. Not good. This must be improved!

Online cleaning remedies range from a bloodletting and a voodoo chicken to a 1/2 HP electric drill, a titanium cleaning rod, and a 10GA brush to clean a 12GA barrel. Wow, thanks Google! If its online, it must be right!

Any good marketer would seize this opportunity to advertise their new "super solvent." IT SLICES, IT DICES, blah, blah, blah. Perhaps I'm suffering one too many COVID 19 boosters, but I've become allergic to marketing and sales claims starting about when we were told that stuff would "keep us SAFE." I went back to just getting the work done efficiently while listening to music. On this basis, I developed a simple solution. My first attempt was a parts washer, with a small heater in the sump. I would heat the solvent, usually Hoppes #9 or sometimes even WD40 to about 40 degrees C, circulate the fluid down the barrel (with the receiver, stock and forearm well removed and secured elsewhere). This worked great, but it was too much stuff. Do I really want a parts washer

and a heater in my gun cleaning room? Several gallons of warm solvent and a diaphragm pump? The slime in the dirty nasty sump? Nah!! The warm fluid in the parts washer posed no threat to the barrels, solders, materials, beads, etc., however it was a bit more "stinky" as vapor pressure goes up with temperature. Standard ventilation remedied this. The barrel was clean in a half hour with the warm parts washer fluid circulating down the bore and a few licks with a standard copper brush on a rod, followed with some patches. Too much stuff though.

To simplify this, I chose the "wet noodle" method. Very simple premise. Keep the dirty surface saturated wet to loosen the debris. Just like a parts washer, but with less stuff. Cut up some long strips of a rag, perhaps

1" wide, soak the strips in solvent, wring them out, then feed a short piece of the rag through the eyelet in the needle cleaning rod tip, wind the rest up in a lazy helix on the rod. Carefully push the rod down the barrel and leave it there to soak for two hours. Move it slightly once or twice in that time to make sure all barrel surfaces stay wet. After this time, push the copper brush down the barrel in 10 or 12 strokes, follow it with a couple of patches and the fibrous wad remnants, shredded chunks and streaking is gone. With the exception of long strips of a rag, all the gun cleaning components, solvent traps, etc., are the same. The gunk that comes out is marvelous. Fibrous tailings, shredded chunks from the porting...wow!

This process was more efficient than five iterations

of wetting, scrubbing and patching. Far simpler than a warm tank parts washer and a gnarly sump. I've chosen to remove the streaks first in the barrel and choke, then remove the choke, clean the threads, clean the OD surfaces of the choke and the ID mating surfaces of the barrel. It makes for a cleaner process, less slop.

If you are experiencing stubborn streaks, I invite you to give this method a try and to use proper PPE, safety procedures and ventilation. I've used this "wet noodle" method on stubborn problems ranging from stock refinishing, furniture refinishing, and various bore cleaning applications for four decades. It's simple, it works, and you don't have to run out and buy a pile of new stuff to be "cool."



**A small sample  
of the gunk  
that comes out  
– expect much  
more!**

# Dillon Reloading Accessories

A **Strong Mount** increases your machine's "footprint" to over 10", spreading the load over the whole bench instead of stressing the leading edge. For XL750/650 owners with limited overhead clearance, the XL750/650-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.



RL550/XL750/650	<b>22051</b>	<b>\$100.00</b>
XL750/650-only	<b>22052</b>	<b>98.00</b>
"SDB"	<b>22223</b>	<b>110.00</b>



These plates bolt directly to your bench top, and are drilled and tapped to allow mounting your reloading machine directly to the top of the mounting plate.

**Stock #62005, \$100.00** is for:

XL750, XL650, RL550 and Square

Deal "B". **Stock #62006, \$100.00** is for:

RL1100, CP2000, Super 1050 and RL1050 as well as *any* Dillon reloading machine that is mounted on the Dillon Strong Mount.

Our **Bullet Tray** is a simple, shallow aluminum tray designed and located for economy of motion. Our tray works on the Square Deal "B", RL550 and XL750/650 when equipped with the RL550/750/650 Strong Mount, and a separate kit is available for the RL/Super 1050.



Bullet Tray Kit	<b>22214</b>	<b>\$64.00</b>
1050 Tray Kit	<b>22215</b>	<b>64.00</b>



The **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).

**16306 \$55.00**

Our **Toolholders** are available for your reloading machine 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!



XL650 with Wrench Set	<b>11555</b>	<b>\$46.00</b>
RL550/XL750 with Wrench Set	<b>11541</b>	<b>44.00</b>
SDB with Wrench Set	<b>19441</b>	<b>43.00</b>
<i>Note: Super 1050 Toolholders include Wrench Set</i>		
1050 with bracket	<b>62202</b>	<b>52.00</b>
1050 w/o bracket	<b>62203</b>	<b>47.00</b>
One-Inch Bench Wrench	<b>10842</b>	<b>15.00</b>
SDB-Only Wrench	<b>19970</b>	<b>16.00</b>



**Color Coded Aluminum Toolheads** for the RL550 and XL750/650 make it easy to tell at a glance which caliber you're set up to load.

Gold RL550	<b>62134</b>	<b>\$48.00</b>
Blue RL550	<b>62132</b>	<b>48.00</b>
Black RL550	<b>62133</b>	<b>48.00</b>
Gold XL750/650	<b>62138</b>	<b>53.00</b>
Blue XL750/650	<b>62136</b>	<b>53.00</b>
Black XL750/650	<b>62137</b>	<b>53.00</b>



The **Square Deal "B" Toolhead Stand** holds your SDB toolhead, powder measure, dies and caliber conversion components (*not included*) in an orderly manner.

**62225, \$47.00**

Our **Toolhead Stands** for the RL550 and XL750/650 are the ultimate in convenience for keeping your reloading bench clean and uncluttered.

**22055, \$30.00 each**



**Dillon's 1050 Toolhead Stand** is now available to store caliber quick changes for the 1050.

**62200, \$60.00**

**Equipment Dust Covers** are made of tough packcloth nylon and add security to your loading bench. Your reloader will be protected against more than dust as the machine covers come with a D-ring that allows the heavy duty zipper to be locked.



SDB/550 Cover	<b>13795</b>	<b>\$24.99</b>
XL750/650 Cover	<b>10443</b>	<b>39.99</b>
1050 Cover	<b>13239</b>	<b>39.99</b>
Master lock	<b>13083</b>	<b>6.99</b>
Pictured: SDB/550/650/750 Quick-Change Cover (for use with powder measure)	<b>11143</b>	<b>\$14.99</b>



Our **Primer Flip Tray** is a heavy, high-quality tray large enough for the Federal primer package.

**13606, \$33.00 each**

**Primer Pick-Up Tubes** are used to transfer primers from flip tray to priming system. Having extras pre-loaded with primers makes it easy to load a pre-determined amount of ammo without having to stop to pick up primers.

1 Large	<b>22029</b>	<b>\$11.00</b>
1 Small	<b>22028</b>	<b>11.00</b>
2 Small, 2 Large	<b>20056</b>	<b>40.00</b>
4 Large	<b>20050</b>	<b>40.00</b>
4 Small	<b>20049</b>	<b>40.00</b>

## "D-TERMINATOR" Electronic Scale

- 1500 grain/100 gram capacity
- Accurate to 0.1 grain/0.01 gram
- Uses four AA batteries (included)
- Comes with its own AC adapter
- 100g scale check weight included

*NOTE: Dillon electronic scales are covered by a one-year warranty from date of purchase.*

**\$149.99**  
**10483**



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.

**97126 \$220.00**

The **Powdercheck System** (available for XL750/650 and Super 1050 reloading machines) sounds an alarm if the powder charge in a round is out of limits either high or low.

**21044, \$99.00 each**



An **Aluminum Roller Handle** gives your reloader an entirely new "feel," reduces operator fatigue, and makes primer seating easier.

**17950 \$65.00**

Dillon's **1" Bench Wrench** fits our 1" Die Lock Rings which give you more space on the toolhead.

**10842, \$15.00 each**



Our **Machine Maintenance Kits** come with everything you need to keep your Dillon loader cleaned and lubricated up to factory specifications. Available alone or in combination with a spare parts kit for your machine.

Maintenance Kit Only	<b>22211</b>	<b>\$40.00</b>
w/SDB Spare Parts Kit	<b>97015</b>	<b>65.00</b>
w/550 Spare Parts Kit	<b>97016</b>	<b>65.00</b>
w/750 Spare Parts Kit	<b>97500</b>	<b>79.00</b>
w/1050 Spare Parts Kit	<b>97018</b>	<b>84.00</b>

## RF100 Automatic Primer Filler

The **RF100 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.

Large Primer Filler	<b>97077</b>	<b>\$480.00</b>
Small Primer Filler	<b>97111</b>	<b>480.00</b>
Large (Euro. 220v)	<b>97112</b>	<b>490.00</b>
Small (Euro. 220v)	<b>97113</b>	<b>490.00</b>
Small Conversion	<b>17903</b>	<b>79.00</b>
Large Conversion	<b>17902</b>	<b>79.00</b>
Nylon Dust Cover	<b>11143</b>	<b>14.99</b>



**WARNING:** The products offered for sale in this catalog can expose you to chemicals, including Lead, which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

# REDDING Reloading Dies & Accessories



.204 Ruger	12547	\$97.00
.22 Creedmoor	66066	132.00
.22 Hornet	11484	97.00
.220 Swift	12182	132.00
.22-250	15761	97.00
.224 Valkyrie	10316	97.00
.243 Winchester	15762	97.00
6mm Creedmoor	10315	132.00
.25-06 Remington	12183	97.00
.260 Remington	09997	97.00
.26 Nosler	66063	132.00
.270 Winchester	10822	97.00
.28 Nosler	66064	132.00
6.5 x 284	66056	97.00

6.5 Creedmoor	71005	97.00	.35 Whelen	66065	132.00
6.5 Grendel	19893	173.00	.350 Legend	66068	194.00
6.5 PRC	66069	132.00	.375 H&H	66058	97.00
6.5 x 55mm	11353	97.00	.38-40 Winchester	11838	173.00
6.8 SPC	12548	173.00	.44-40 Winchester	11692	97.00
7 x 57mm Mauser	11212	97.00	.444 Marlin	66067	173.00
7mm Rem. Mag.	11775	97.00	.450 Bushmaster	66061	194.00
7mm-08 Remington	12041	97.00	.45-70 Gov't	12700	134.00
7.5mm Swiss	09995	173.00	.458 SOCOM	10320	173.00
7.62 x 39mm	12045	132.00	.460 S&W	10319	132.00
.30 M1 Carbine	66059	97.00	.500 S&W	66062	132.00
.30-30 Winchester	29020	97.00	<b>Individual Dies: Neck-Size-Only Dies</b>		
.30-40 Krag	11835	173.00	.223 Remington	10164	\$66.00
7.62 x 54mm	09994	132.00	.22-250	11184	66.00
.32 S&W/.32 H&R Mag.	66060	97.00	.224 Valkyrie	10318	66.00
.32 ACP	15521	132.00	.243 Winchester	10172	66.00
.32-20 Winchester	11906	132.00	6mm Creedmoor	10317	88.00
.300 AAC Blackout	12550	132.00	.25-06	11336	66.00
.300 WSM	15763	97.00	.260 Remington	09993	66.00
.300 PRC	66681	132.00	.270 Winchester	11806	66.00
.300 RUM	18342	97.00	7mm Rem. Mag.	11392	66.00
.300 Weatherby	11354	97.00	.308 Win./7.62	10165	66.00
.300 Win. Mag.	12046	97.00	.30-06	11763	66.00
.303 British	11691	132.00	.300 Win. Mag.	11108	66.00
8 x 57mm Mauser	09996	97.00	<b>Redding Reloading Accessories</b>		
.338 Win. Mag.	11774	97.00	Stuck Case Removal Kit		
.338 Lapua Mag.	21354	271.00		12186	\$42.00



## Lyman Neck Expander Die

Improves accuracy of cast and jacketed bullet reloads. Extends case life. A "Must-Have" die for the cast bullet or flat-base bullet user. The first step expands the inside of the case neck to just under bullet diameter for precise case neck tension in the finished reload. The second step expands the case mouth to bullet diameter or slightly over. This allows the jacketed or cast bullet to be started perfectly centered in the case mouth and properly aligned with the axis of the case neck. By adjusting the

plug slightly deeper, the second step also provides a slight flaring of the case mouth for reloaders using cast bullets.

.22 Caliber Neck	48962	\$32.99
6mm Neck	48966	32.99
6.5mm Neck	48965	32.99
.30 Caliber Neck, Short	48964	32.99
.30 Caliber Neck, Long	48963	32.99

## Dillon Wrenches



1"-7/16" Dillon Bench Wrench	10842	\$15.00
7/8"-5/8" Combo Die Wrench	66203	11.00
3/4"-9/16" Combo Die Wrench	66202	11.00
1" Die Lock Ring (Zinc Alloy)	14067	2.25
5-Pack of Die Lock Rings (Zinc)	10669	7.50
Wrench/Zinc Lock Ring 5-Pack	10668	21.00
<b>Steel 1" Die Lock Rings</b>		
1" Die Lock Ring (Steel)	62422	\$2.50
5-Pack of Die Lock Rings (Steel)	62423	11.00
10-Pack of Die Lock Rings (Steel)	62424	21.00
1" Wrench/Steel Lock Ring 5-Pack	62425	22.00

## L.E. Wilson Case Gages, Deburring Tool

.22-250	12718	\$40.00
.224 Valkyrie	14918	40.00
.243	12828	40.00
.25-06	11760	40.00
.270	11828	40.00
6mm ARC	14981	40.00
6mm/6.5mm Creedmoor	12108	40.00
6.5 Grendel	14925	40.00
6.5 PRC	14919	40.00
6.8 SPC	19522	40.00
7mm Mag.	12336	48.00
7.5x55 Swiss	10293	19.99
7.62x39	14901	40.00
.30 PRC	14920	40.00
.30-30	12924	40.00
.300 AAC Blk.	19515	40.00
.300 Win. Mag.	11752	48.00
.357 SIG	18708	40.00
.38-40 Win.	10682	40.00
.44-40 Win.	10697	40.00
.338 Lapua	14921	40.00
.50 BMG	14447	60.00
<b>Deburring Tool</b>	16038	38.00



## EGW Chamber Checkers

<b>Rifle Chamber Checkers</b>		
.223 Rem.	25377	\$30.00
5.56x45	25376	30.00
6.5 Creedmoor		
.300 Blk	11582	40.00
.308 Win.	18964	40.00
.30-06	19675	45.00
<b>Pistol Chamber Checkers</b>		
9mm	19846	\$25.00
.38 Super	19847	25.00
.40 S&W	19848	25.00
10mm	19676	25.00
.45 ACP	19849	25.00
<b>Cowboy Chamber Checker (.357 Mag., .44 Mag., .44-40, .45 Colt)</b>		
	25375	\$25.00



# Dillon's Lifetime Ammunition Boxes<sup>^</sup>

Description	Stock #	Each	Case (50)
.22 LR/.25 ACP (100 rd)	80038	\$2.50	\$110.00 (50)
.380/9mm (50 rd)	80019	2.50	110.00 (50)
.380/9mm (100 rd)	80033	5.00	220.00 (50)
.38/.357 (50 rd)	80020	2.50	110.00 (50)
.38/.357 (100 rd)	80034	5.00	220.00 (50)
.44 Mag./.45 Colt (50 rd)	80023	3.50	154.00 (50)
.44 Mag./.45 Colt (100 rd)	80036	6.00	264.00 (50)
.40 S&W/.45 ACP (50 rd)	80024	3.50	154.00 (50)
.40 S&W/.45 ACP (100 rd)	80037	6.00	264.00 (50)
.223/5.56 (50 rd)	80022	3.50	154.00 (50)
.223/5.56 (100 rd)	80035	6.00	264.00 (50)
.243/.308 (20 rd)	80039	3.50	154.00 (50)
.243/.308 (50 rd)	80025	5.00	220.00 (50)
.30-06 (20 rd)	80040	3.50	154.00 (50)
.30-06 (50 rd)	80026	5.00	220.00 (50)
20 Gauge Shotgun (25 rd)	80044	5.00	220.00 (50)
12 Gauge Shotgun (25 rd)	80045	5.00	220.00 (50)

Extra Loading Data Labels, 10446, Package of 100, \$11.99



AMMO BOXES ARE COVERED BY DILLON'S LIFETIME WARRANTY



## Berry's Mfg. Ammo/Storage Boxes<sup>^</sup>

Description	Stock	#Each
.500 S&W (50 round)	19243	\$5.99
NOTE: .500 S&W Ammo Boxes also fit .223/.243/.308 WSSM		
.454 Casull (50 round)	19244	5.99
.45/70 (50 round)	19245	5.99
7.62 x 54R (50 round)	19247	5.99
.300 Ultra (50 round)	19246	5.99
<b>Storage Boxes</b>		
4-3/8" x 2" x 1-5/8"	19250	\$4.99
4-1/2" x 4-1/2" x 1-5/8"	19251	4.99
5-1/2" x 2-5/8" x 2-1/2"	19252	4.99

## Berry's Mfg. "20 Caliber" Ammo Can

Modeled after the military can, this tough unit is injection molded out of a tough polymer, has a gasket sealed lid, and a cam-lock latch to protect your contents. Also features a collapsible handle for easy stacking and storing. Dimensions: 9.25" L x 3.125" BW x 3.125" TW x 2.5" H. **LIFETIME WARRANTY. MADE IN THE USA.**



12296 \$12.99

## Dillon AkroBins<sup>^</sup>

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 RL550/XL 650/750 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 SL900 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	13756	\$2.99	\$15.30	\$24.84
"RL550/XL650/750" Bin	13839	2.99	15.30	24.84
"RL1050" Bin	13484	6.99	34.92	61.92
"SL900" Bin	17125	10.50	56.94	106.92



## Dillon Utility Boxes<sup>^</sup>

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	13636	\$9.00	\$42.50
Large Utility Box	17195	9.00	42.50

# Berry's Mfg. Plated Bullets <sup>^</sup>

(This is not LOADED ammunition.)

Description	Stock #	250	Stock #	1000
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## Bullets for the .30 M1 Carbine Cartridge

110 gr. RN-DS*	17209	\$35.74		
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## Bullets for the 7.62 x 39 Cartridge

123 gr. RN-DS*	17210	\$40.99	65031	\$151.99
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## .32 ACP Bullets

71 gr. RN-DS*	17460	25.99	65010	87.99
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## .380 Caliber Bullets

100 gr. RN-DS*	17532	31.99	65011	110.99
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## 9 Millimeter Bullets

115 gr. RN-DS*	17533	33.99	65012	116.99
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115 gr. HBRN-TP*	17178	35.99	65013	123.99
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124 gr. RN-DS*	17534	34.99	65014	121.99
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124 gr. HBRN-TP*	17272	38.99	65015	130.99
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124 gr. HBFP-TP*	17385	38.99	65016	130.99
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147 gr. RN-DS*	17535	34.99	65017	124.99
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## .357 Caliber Bullets

125 gr. FP-DS*	17536	35.99	65018	126.99
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158 gr. RN-DS*	17540	42.99	65019	148.99
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158 gr. FP-DS*	17539	42.99	65020	149.99
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## .40 Caliber/10 Millimeter Bullets

155 gr. HBRN-DS*	17238	46.99	65021	163.99
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165 gr. FP-DS*	17232	45.99	65022	164.99
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165 gr. HBFP-DS*	17271	50.99	65023	180.99
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180 gr. FP-DS*	17542	47.99	65024	171.99
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180 gr. RN-DS*	17515	47.99	65025	171.99
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Description	Stock #	200	Stock #	500
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## .44 Caliber Bullets

240 gr. FP-DS*	17545	47.99	65030	99.99
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Description	Stock #	250	Stock #	500
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## .45 Caliber Bullets

185 gr. HBRN-DS*	17543	48.99	65026	87.99
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185 gr. FP-DS*	17516	46.99	65027	84.99
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200 gr. HBFP-DS*	17517	47.99	65028	88.99
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230 gr. RN-DS*	17549	52.99	65029	94.99
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\*DS = Double Struck, TP = Thick Plate, HB = Hollow Base,  
RN = Round Nose, FP = Flat Point, SWC = Semi Wadcutter,  
WC = Wadcutter

# Sierra Bullets <sup>^</sup>

(This is not LOADED ammunition.)

## 5.56mm/.224 Caliber

52 gr. HPBT MatchKing	100/box	10178	\$29.99
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55 gr. BlitzKing	100/box	14458	32.99
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69 gr. TMK	100/box	80015	35.99
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69 gr. HPBT MatchKing	100/box	13007	31.99
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77 gr. TMK	100/box	80016	40.99
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77 gr. HPBT MatchKing	500/box	18171	178.99
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## 6mm/.243 Caliber

70 gr. HPBT MatchKing	100/box	12386	34.99
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## 6.5mm

123 gr. HPBT	100/box	14459	50.99
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142 gr. HPBT	100/box	14460	52.99
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## 7.62mm/.308 Caliber

125 gr. HP	100/box	14448	47.99
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155 gr. TMK	100/box	80018	54.99
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155 gr. HPBT Palma	100/box	18160	48.99
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168 gr. TMK	100/box	80017	52.99
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168 gr. HPBT MatchKing	100/box	10177	48.99
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175 gr. HPBT MatchKing	100/box	17481	50.99
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# SNS Casting Coated, Hard-Cast Bullets

(This is not LOADED ammunition.)

## Coated Hard-Cast Bullets

	Stock #	500	1000
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.30 M1 Carbine RN 115 gr.	15403	\$61.00	\$104.00
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.380 RN 95 gr.	15393	66.00	113.00
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9mm RN 115 gr.	13150	55.00	94.00
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9mm FP 125 gr.	15396	59.00	101.00
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9mm No Lube Groove 125 gr.	15756	59.00	101.00
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9mm RN 135 gr.	15043	64.00	109.00
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9mm RN No Lube Groove 147 gr.	15044	67.00	115.00
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9mm/.38 Super RN 160 gr.	15397	70.00	119.00
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.38/.357 RNFP 100 gr.	15859	58.00	99.00
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.38/.357 FP 105 gr.	15860	59.00	100.00
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.38/.357 FP 125 gr.	15879	59.00	101.00
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.38/.357 RNFP 130 gr.	19679	61.00	105.00
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.38/.357 DEWC 148 gr.	15880	67.00	115.00
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.38/.357 RN 158 gr.	15045	70.00	119.00
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.38/.357 SWC 158 gr.	15881	70.00	119.00
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.38/.357 RN 160 gr.	15400	70.00	119.00
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.40/10mm FP 140 gr.	15335	66.00	112.00
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.40/10mm RNFP 165 gr.	19677	77.00	132.00
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.40/10mm SWC 175 gr.	15336	79.00	135.00
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.40/10 FP No Lube Groove 180 gr.	15337	79.00	135.00
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.40/10mm RN 200 gr.	15338	84.00	144.00
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.40/10mm FP 220 gr.	15855	90.00	153.00
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.44 RNFP 200 gr.	15882	84.00	144.00
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.44 SWC 240 gr.	15891	98.00	168.00
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.45 RN 200 gr.	15339	84.00	144.00
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.45 RNFP 200 gr.	15857	84.00	144.00
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.45 SWC 200 gr.	15340	84.00	144.00
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.45 RN No Lube Groove 230 gr.	19678	92.00	157.00
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	Stock #	250	500
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.30/30 RNFP 158 gr.	15854	\$39.00	\$66.00
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# Starline Brass <sup>^</sup>

Unprimed brass sold in packages of 100 (This is not LOADED ammunition.)

Description	Stock #	1 Pkg.	5 Pkg.	10 Pkg.
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.30 M1 Carbine	30265	\$52.00	\$210.00	\$300.00
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.32 ACP	30263	36.00	150.00	210.00
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.32 H&R Mag.	30258	37.00	150.00	210.00
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.32-20 Win.	31282	49.00	200.00	280.00
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.380 ACP	30264	35.00	140.00	200.00
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9mm	31277	34.00	140.00	200.00
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.38 Short Colt	39919	39.00	160.00	220.00
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.38 Special	31278	34.00	140.00	200.00
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.38 Super +P	31276	38.00	160.00	220.00
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.38 Super Comp	30257	38.00	160.00	220.00
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.357 SIG	30528	43.00	180.00	250.00
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.40 S&W	31283	40.00	160.00	230.00
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10mm	31281	41.00	170.00	240.00
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.44 Special	31280	45.00	180.00	260.00
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.45 ACP	31284	42.00	170.00	240.00
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.45 Colt	30259	47.00	190.00	270.00
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**WARNING:** These products contain lead, which is known to cause birth defects, other reproductive harm and cancer. Handling components, ammunition, cleaning firearms or discharging firearms in poorly ventilated areas may result in lead exposure. Have adequate ventilation at all times and wash your hands thoroughly after exposure.



# Shellsorter



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.

19972

\$39.99

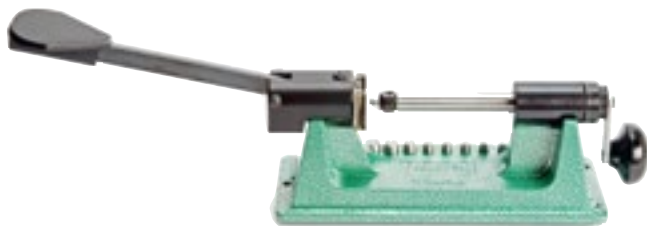
## AMMOBRASS, LLC Swage Setter



The AmmoBrass Swage Setter is for use with any swaging devices such as Dillon's Super Swage 600, Dillon 1050/1100 presses, and almost any other swaging device to assist you in properly setting your swage rod and swage back-up die.

Swage Setter, 3-pc. Set	40187	\$36.00
9mm Swage Setter	40188	12.00
.223/.300 Blk. Swage Setter	40189	12.00
.308/.30-06 Swage Setter	40190	12.00

## RCBS Trim Pro 2 Manual Case Trimmer



The RCBS Trim Pro-2 manual case trimmer 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.

RCBS Trim Pro-2™ Case Trimmer 43231 \$139.99

# BERRY'S Manufacturing



Berry's Powder Funnel Set provides a wide range of flexibility when it comes to reloading. The two-funnel set comes with inserts that allow loading calibers from .17 to .50 caliber. Constructed of tough translucent polycarbonate material, they are covered by a lifetime warranty and made in the USA.

Powder Funnel Set 40191 \$9.99

## Berry's Bullet Puller



Nobody's perfect. A bullet puller makes it easy to recover all your components.

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Puller Cap <sup>^</sup>	17948	4.99
Collet Set	17947	7.99



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Weight Set .5 - 210.5 Gr. 15959 \$54.99

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- Weighted base
- Extension arm

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10940

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**WARNING:** The products offered for sale in this catalog can expose you to chemicals, including Lead, which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

# Off-Duty Carry

## A Survey and Analysis of Current Law Enforcement Practices

By Chuck Klein

*For the value of a police officer, the law saved.  
For the value of the law, justice was saved.  
For the value of justice, freedom was saved.*

*For the value of freedom, the nation was saved.  
For the value of the nation, humanity was saved.  
For the value of the humanity, a police officer was saved.*

### Preface

Though this article was originally written for law enforcement agencies and published in Law Officer Magazine ([www.lawofficer.com/off-duty-carry/](http://www.lawofficer.com/off-duty-carry/)), the information presented might be of interest to those who carry concealed firearms. To the LEO, off-duty carry of a firearm is NOT about being able to protect oneself, per se., but being in a position to protect those one has sworn to serve and protect. The oath each officer takes doesn't say: while on-duty only. Thus, if a LEO doesn't wish to protect him/herself while off-duty, that's a personal decision, but when in public, the obligation to protect others is mandatory.

For at least 100 years the debate has raged, and gun writers have written, *ad nauseum*, over the preferred defensive tool. The only point on which everyone can agree is the BEST defensive weapon is a firearm, but it is totally useless unless accessible when defense is needed.

### History

When it comes to carrying off-duty firearms, there are three types of police officers: One that always carries a handgun and the one that never carries or one that sometimes carries. It's a given that being an LEO involves far more danger than that of any other profession. As a cop, even when off-duty, running into a disgruntled past arrestee could generate a physical attack on you – or the family members you might be with at the time.

The OIC at the Norwood, Ohio Police Academy, in response to a recruit's question as to whether cops should carry off-duty brought this reply, known as Umbaugh's Law:

*"One either never carries a firearm,  
or one always carries,  
but one never sometimes carries." [2]*

In other words, if your mindset is that you are carrying, then you won't be transmitting unintentional vibes of fear. It naturally forces you to be in condition yellow at

all times – aware of your surroundings. This personal persona of confidence is telegraphed by your posture, and the ability to look anyone in the eye with conviction. That shield in your pocket is far less protection against a homicidal maniac than the 9mm concealed on your hip.

Cops, per se, have that sixth sense [3] – the innate ability to "read people" – demeanors that include fear, strength, tuned-out/unaware, ready to attack/flee.... These attributes are oftentimes discernable by criminals with animal-type instincts. In other words, there are bad guys that can read us too. Those who carry the power of life or death on their person, tend to transmit a self-preservation bearing. It's a subconscious transmitting of alertness – a level of self-preservation and passive/aggressive identity. Possible advantages to never off-duty carry are not having to worry about being in a place that forbids possession of a lethal weapon – such as boarding a plane or when consuming alcoholic beverages. Of course, if you're in condition yellow, you'll be aware of these restricted locations.

The third type of law officer, the sometimes carrier, creates a conflict inasmuch as pretending toughness or inadvertently walking into a restricted location while armed, and, of course, reaching for a gun when needed, but isn't there.

Other than statutory restrictions, there is only one condition when one should never have a firearm on their person (or very close at hand) – when under the influence of anything that may impair thinking. Yes, even in your own castle, it is best to carry, not only for the actual protection, but because it keeps you mindful that this power to protect is right where it should be. Besides, no one including your child, can get to it – if secure on your body. [4]

### Worst-Case Scenarios

a) Consider the officer who straps on his duty weapon, goes about his daily routine, comes home, stores his/her gun and then...a past-target crashes thru his/her front door while the firearm is...stored. Or he/she forgot to pick-up the milk on the way home and slips out, with a young daughter in tow for a quick run to the local "Stop & Rob," sans a gun. "It's just a short trip, honey – we'll be right back." At the S&R he/she walks into a robbery/mass shooting in-progress where the robber/shooter is coming after him/her and child....

b) Suppose during normal waking hours, there's an innocent knock at the front door – by a person in ordinary



attire or dressed like a uniformed delivery driver? The threat, who pushes the door open as he/she intrudes, has the advantage. Doing anything other than draw, point (and fire if necessary), places the defender under the control of the invader. In other words, to be prepared to protect yourself and the occupants of your home, the best place for your defensive handgun is on your person. And, it should be there every waking moment, no exceptions, no excuses. Besides, that's the safest place if you have children. If they kick the door down while you and the family are watching TV or sitting at the kitchen table, what are you gonna do...holler "kings," "times" or "Hey, no fair fellas, let me get my gat?"

c) The agency/department pays: For the value of a firearm, a police officer/civilian was saved....

### **The Survey**

In preparation for this article, select law enforcement agencies were contacted to learn of their guidelines for off-duty carry. Here are some of the results of correspondence regarding off-duty carry:

#### **BUREAU OF ALCOHOL, TOBACCO, FIREARMS AND EXPLOSIVES:**

"As sworn law enforcement officers, ATF special agents are generally authorized to carry ATF-approved firearms at all times." (5)

#### **THE ROYAL CANADIAN MOUNTED POLICE:**

"RCMP officers may be permitted to carry firearms, while off-duty with permission of the CO. Permission is based on operational necessity only, e.g., a situation in which there is reason to believe that the life or safety of the member or other persons may be in imminent danger. While RMs are acting in the lawful course of their duties under RCMP Act, section 18, they are legally permitted to carry intervention options, including firearms...." [6]

#### **FEDERAL BUREAU OF INVESTIGATION**

"SA's [Special Agents] are authorized and encouraged to be armed while 'off duty.'" [7]

#### **CINCINNATI POLICE DEPARTMENT**

"Cincinnati Police Officers are allowed to carry firearms off duty. The carrying of a firearm off duty is not required. Cincinnati Police Officers must carry a firearm while attending court. If they carry a firearm, it must be approved by the Police Chief and the Range Master. The firearm must be 9mm Smith & Wesson 2.0 full size or Smith and Wesson M&P Compact 9mm.

"Off-duty handguns provide officers with an alternative to carrying the primary duty weapon while off-duty. Carrying an off-duty handgun is optional, and will not

be carried unless approved by the FTS. An officer who carries an off-duty handgun is responsible for its purchase, cost of repairs, maintenance, and ammunition. Officers must annually complete an Ohio Peace Officer Training Academy approved qualification course with their off-duty handgun. The FTS will conduct training sessions on a quarterly basis for officers wishing to carry an off-duty handgun.

"In the State of Ohio (effective June 2022) anyone over the age of 21 can open or concealed carry a pistol or revolver if they are eligible to carry such weapon and are not under disability by law. Our officers are allowed to do this, but not under our definition of off duty. Most either carry Off Duty Status or have a CCW. Some also go by the open or concealed carry provision."

#### **CPD Procedure Manual:**

1. Carrying a firearm off-duty is optional.

2. Off-duty officers, not in uniform, who choose to carry a firearm, will conceal the firearm on their person.

3. An officer wishing to carry an off-duty handgun not listed in Sections A. 1, 3, and 4 must contact FTS for approval. a. If approved, the officer must qualify with the off-duty weapon.

4. Ohio Revised Code (ORC) 2923.15 prohibits carrying firearms while under the influence of alcohol or any drug of abuse. a. Law enforcement officers are not exempt from the prohibition.

5. The following ORC Sections apply to off-duty personnel, UNLESS they are acting in the scope of their duties as a police officer. a. ORC Section 2923.12.1, Illegal Possession of Firearm in Liquor Permit Premises. b. ORC Section 2923.12.2, Illegal Conveyance or Possession of Deadly Weapon or Dangerous Ordnance or

Illegal Possession of Object Indistinguishable from Firearm in School Safety Zone. c. ORC Section 2923.12.3, Illegal Conveyance of Deadly Weapon or Dangerous Ordnance into Courthouse: Illegal Possession or Control in Courthouse.

6. Off-duty personnel may carry the Department authorized firearms listed in Sections A. 1, 3, and 4 of this procedure, after completing the approval process in Section F. H. Approval Process for Carrying a Personally Owned Department authorized firearm in an On or Off-Duty Status. All officers responding to court in civilian attire shall carry an authorized weapon concealed on their person in a secured holster. [8]

#### **GERMAN FEDERAL CRIMINAL POLICE**

"In accordance with section 55[1], sentence 2 of the

**"One either  
never carries  
a firearm,  
or one always  
carries,  
but one never  
sometimes  
carries."**

Weapons Act, in conjunction with the relevant service regulation, police officers of the Bundeskriminalamt (BKA), who have acquired the qualification for their service careers, are, in principle, authorized to carry officially licensed weapons (pistols or revolvers) and ammunition even when off duty.

“When the officer is off duty, he must carry the firearm in a concealed manner and also carry along his police ID card, which shows his right to carry a firearm. The authorization for off-duty handling of firearms does not apply when safe handling is not guaranteed. Long guns, flare pistols, service weapons, which are subject to the War Weapons Control Act, and firearms the shape of which is such that they can pass for another object or can be disguised as or are built into everyday items are expressly exempt from this.

“Pursuant to section 30 of the Basic Law for the Federal Republic of Germany, police matters fundamentally fall within the competence of the individual Länder (federal states); thus, the organization, tasks and powers of the police are regulated by the police laws of the Länder and regulations on the use of service weapons when off duty may differ from the provisions applicable to the BKA.” [9]

#### LOS ANGELES, CALIFORNIA, SHERIFF’S DEPARTMENT

##### Manual of Police and Procedures MPP 3-03/210.05 Firearms:

Any approved off-duty, back-up, or plainclothes handgun must comply with the following requirements: Any handgun approved for on-duty use may be carried for off-duty, back-up, or plainclothes duty. Handguns equipped with a manual safety device must be carried on ‘Safe.’ Sworn

Personnel must comply with all provisions of MPP 3-03/210.05. Handguns must be carried in a holster which covers the trigger guard (MPP 3-03/280.00). Unless stated otherwise, all firearms require a separate training and qualification course for certification to carry. Handguns with ported or compensated barrels are prohibited. .380 caliber handguns may be carried off-duty or as a back-up, but not as a primary on-duty handgun either in uniform or plain clothes when in positions requiring the carry of a firearm. Sworn members (on-duty or off-duty, while in uniform or plain clothes) carrying any Department-authorized back-up or off-duty handgun, as a secondary handgun, must securely carry the weapon concealed from view. In no case shall it be carried on the duty belt or exposed in any way.

Department members shall carry any authorized semi-automatic handgun used on-duty, off-duty or as a secondary weapon in the following manner:

Loaded, with a round in the chamber;

\* Magazine loaded to the magazine manufacturer’s specified capacity;

\* Hammer of a single action pistol cocked (i.e., 1911 pistols);

\* External hammer of a double action pistol de-cocked; and

\* External safety in the on position, if equipped.

\* Sworn members shall carry any authorized revolver used off-duty or as a secondary weapon with the cylinder loaded to capacity and hammer de-cocked (double action).

“LASD does not maintain any rule or policy mandating a ‘shall carry’ policy for carrying off duty.” [10]

**“The best  
place for your  
defensive  
handgun is on  
your person...  
that’s the  
safest place  
if you have  
children.”**

### Survey Precis

Though this summary is not comprehensive, it provides a window into the thinking of major police agencies including American federal, county and city plus the positions of two foreign national agencies. None of the departments mandate carrying an off-duty firearm except under certain conditions such as attending court. It is interesting to note that the RCMP use the term “intervention” rather than self-defense.

### Conclusions

Inasmuch as LEOs take an oath to serve and protect the public, coupled with the increasing number of mass-shooter incidents, local, county, state and federal police agencies might consider:

1) Requiring all sworn personnel to carry a handgun at all times – on-duty as well as off-duty. Though such a mandate

might require financial incentives; the cost being offset by having to replace an officer who is gunned down who wasn’t carrying a firearm while off-duty. In addition, saving lives of those exposed to killers is a cost-effective method of complying with the obligation to serve and protect.

2) Officially and publicly encouraging their officers to carry off-duty. Such a policy, made public, will send a message that the agency takes protecting the public (and its officers) serious.

3) Foster the concept that the safest and most defensive-effective location for a handgun is on one’s person. Home invasion scenarios include “crazies” that pick a home at random, target a specific LEO or mistake your home as that of a stockpiling drug dealer.



## Summary

Though most LE agencies do not require their sworn personnel to carry a firearm while off-duty, perhaps it might be time to consider a change in policy. Civilians might consider requesting their local police agencies to require full-time carry. The benefits to society and law enforcement, specifically of sworn and trained personnel to carry a defensive handgun, should be obvious. Laws restricting carrying firearms by civilians will apply to all LEOs when they are no longer employed as cops and become an ordinary citizen once they leave the force. Of course, American federal law allows retired LEOs to carry, but that does not apply if they resign prior to retirement or their department's qualification becomes burdensome due to their relocation and/or abilities?

About the Author: Chuck Klein is a former Police Officer, Licensed Private Investigator, Level 6 Firearms Instructor and author of: *Instinct Combat Shooting*, *Defensive Handgunning for Police*; *Lines of Defense*, *Police Ideology and the Constitution*; and *The Badge, Stories and Tales from Both Sides of the Law*. He is a current and active member of the International Association of Law Enforcement Firearms Instructors (IALEFI). Information about his books and e-mail contact is available on his website: [www.ChuckKleinAuthor.com](http://www.ChuckKleinAuthor.com).

## Notes:

[1] Lieutenant Ed Umbaugh, Norwood, Ohio Police Academy, 1972

[2] A power of perception thought of as a sense in addition to the commonly accepted five senses; intuitive power. Webster's New World Dictionary, 3rd College Edition.

[3] I've been lucky. Other than the range or hunting game, I have never fired my gun. However, I wouldn't be writing this today had I not had a firearm during a number of instances as a cop, a P.I. and as a regular citizen. The mere presence of a gun either drawn or "telegraphed" has saved my hindside many times.

[4] Ian Camejo, Public Affairs Specialist, Bureau of Alcohol, Tobacco, Firearms and Explosives (202) 549-0937, [Ian.M.Camejo@usdoj.gov](mailto:Ian.M.Camejo@usdoj.gov)

[5] Cpl. Kim Chamberland, RCMP

[6] SSA Ray Hall, Office of Public Affairs, FBI

[7] Sergeant Matthew Cornacchione, Rangemaster, Cincinnati Police Department/Target Range 10139 Spartan Drive, Cincinnati, Ohio 45215, (513) 563-7721,

[8] Im Auftrag, Sarah Steilen  
Bundeskriminalamt LS 2 - Pressestelle

[9] Captain Shawnee N. Hinchman, Risk Management Bureau, LASD



# Wild West Guns High Performance Lever Action Upgrades

The Original Big Loop that started it all, built for big guns, big guys, and gloved hands to give you the smoothest and most reliable lever-action throw



available! Tested Alaskan tough and built to last, WWG Big Loop Levers are precision wire cut and CNC machined to be the perfect fit for your Marlin Rifle! Don't be fooled by imitations, WWG big loops are ergonomically designed to be cycled while you're still looking down the sight making for a faster more accurate follow-up shot because charging bears won't slow down for you to reload! Wild West Guns Big Loop Levers fit Marlin 1895 Straight Stock and Pistol Grip and are also compatible with 336 models, available in Blue and Stainless.

1894 Big Loop Lever, Blue	21193	\$160.00
1894 Big Loop Lever, SS	21194	160.00
1895 Pistol Grip Big Loop Lever, Blue	21195	160.00
1895 Pistol Grip Big Loop Lever, SS	21198	160.00
1895 Straight Stock Big Loop Lever, Blue	21234	160.00
1895 Straight Stock Big Loop Lever, SS	21235	160.00



Wild West Guns full-length rail for the Marlin 1895 is CNC Machined from Aircraft-grade Aluminum and anodized to military specifications making it lightweight but still Alaskan Tough! Quickly add and remove your favorite optics on your Marlin 1895 with the WWG 10-inch full-length rail that requires no drilling or tapping to work on your rifle.

1895 Full Picatinny Rail	21236	\$100.00
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Wild West Guns has combined the best of its custom manufactured parts to help your Marlin rifle function smoothly and reliably. The WWG "Lever Happy Tune Kit" includes: 1. "Trigger Happy Tune Kit" is designed to provide a clean, crisp trigger pull to allow more accurate shooting and to eliminate trigger flop. 2. 1-piece spring steel "Bear Proof Ejector" to replace the 2-piece factory ejector which is prone to breakage and locking up your rifle. 3. Aluminum Magazine Follower, which is not affected by cleaning solvents, crumbling, splitting, or breaking like the factory plastic ones.

.357 Lever Happy Tune Kit, Blue	21174	\$165.00
.357 Lever Happy Tune Kit, SS	21175	165.00
.44/.30-30 Lever Happy Tune Kit, Blue	21176	165.00
.44/.30-30 Lever Happy Tune Kit, SS	21177	165.00
.45-70 Lever Happy Tune Kit, Blue	21242	165.00
.45-70 Lever Happy Tune Kit, SS	21244	165.00

Wild West Guns Ghost Ring sights are built to be Alaskan tough and extremely fast to use! WWG uses CNC machining to produce the most accurate and stable ghost ring on the market today. The Ghost ring is fully adjustable for windage, and elevation and the peep is threaded for smaller apertures all protected by sturdy sidewalls. WWG Ghost Ring Sights fit all Modern Marlin centerfire rifles as well as Browning BLR models.

Marlin 94/95 Ghost Ring Rear Sight	21239	\$90.00
Winchester 94 Ghost Ring Rear Sight	21241	90.00

Machined out of spring stock, WWG Bear Proof ejectors live up to their name by being tough enough to handle the recoil of the big bore loads! The Bear Proof ejector fits all modern Marlin lever-action rifles.

Bear Proof Ejector, Blue	21178	\$35.00
Bear Proof Ejector, Silver	21179	35.00



# KynSHOT

## Hydraulic Recoil Buffers



The KynSHOT™ hydraulic buffers reduce recoil, muzzle rise and shoulder fatigue allowing for quicker target acquisition after the trigger is pulled. In addition, the KynSHOT buffers control the bolt carrier group operation thereby reducing excessive wear and tear on the mechanical cycling components.

KynSHOT hydraulic buffers are manufactured with premium seals, materials, and components in an aerospace grade manufacturing facility that is dedicated to quality. Each and every one of our product designs have undergone extensive impact, functionality, and life testing to ensure unmatched performance. This results in a product that can withstand and perform in harsh environments, including temperatures from -30°F to 150°F. The patented design and damping technology make the KynSHOT buffers the industry leading recoil mitigation buffer.

### KynSHOT Hydraulic Recoil Buffer

RB5000 (5.56 Collapsible Stock)	11014	\$139.99
RB5001 (AR15 Fixed Stock)	11021	154.99
RB5007 (9mm AR15 PCC)	11015	139.99
RB5015HD (HD 9mm AR15)	11016	145.99
RB5020SS (9mm Short Stroke AR15)	11019	145.99
RB5004 (AR10 Collapsible Stock)	11017	149.99
RB5006 (AR10 Fixed Stock – 7" tube, 2.5" buffer)	11018	154.99
RB5005 (AR10 A5 Collapsible Stock – A5 stock, shorty buffer, 7.75" buffer tube)	11022	149.99
Buffer Spacer Weight	11020	20.99

## AR15 Lower Parts Kit

### CMC Triggers Complete Lower Receiver Parts Kit

for AR15s is a great addition to your AR15 build. From amateur gun builder to seasoned expert gunsmith, this lower parts kit is for you. *Fire control group and grip NOT INCLUDED.*

#### PARTS INCLUDED

Bolt Catch  
Bolt Catch Plunger  
Bolt Catch Spring  
Bolt Catch Roll Pin  
Mag Release  
Mag Release Button  
Mag Release Spring  
Buffer Retainer Spring  
Safety  
Buffer Retainer



Safety Detent Spring  
Safety Detent  
Trigger Guard  
Trigger Guard Roll Pin  
Takedown Detent Springs  
Takedown Detent  
Takedown Pins

40225 \$39.99

# KNS Precision, Inc.



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

33391 \$33.00



Gen ST Non-Rotating Trigger/  
Hammer Pins .154 Diam-  
eter.

33392 \$38.00



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

33390 \$12.00



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

19927 \$9.99

## Badger Ordnance Tac Latch



Gen 1



Gen 2

The Badger Ordnance Tac Latch  
makes it much easier for you to  
operate the latch on your AR-15/

AR-10 charging handle.

Gen 1 10379 \$19.99  
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## JP Enterprises Gear



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12590 \$10.99



JP Reduced Power  
AR Spring Set  
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JP Enhanced Gas Rings

.223 Gas Ring 11917 \$9.99  
.308 Gas Ring 11918 9.99



# HIPERFIRE® High Performance AR Triggers



## Competition HIPERTOUCH®

- Designed for the Ultimate In AR Performance
- HIPERFIRE®'s Most Popular Trigger
- Virtually No Take-Up/Pre-Travel, Very Smooth
- Cam-Over Toggle Engine™
- Very Hard Hitting Hammer Soft-Start Lock-Up™ for Pre-Ignition Stability
- You-Adjust Pull Weights of 2-1/2 and 3-1/2 lbs.
- Radical Sear Mechanics™
- Straight Trigger Bow
- HIPERSHOE® Finger Pad Revolution™
- Changes the Trigger Lever Length for Fine Weight Adjustment



## Reflex HIPERTOUCH®

- Everyman's AR Trigger
- Virtually No Take-Up/Pre-Travel, Very Smooth
- Similar to the Competition except with Curved Trigger Bow
- As Run by Keanu Reeves in John Wick 2
- Cam-Over Toggle Engine™
- Very Hard Hitting Hammer Soft-Start Lock-Up™ for Pre-Ignition Stability
- You-Adjust Pull Weights of 2-1/2 and 3-1/2 lbs.
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- Semi-Auto Single-Stage
- Curved Trigger with a Backbone™
- Crisp, Clean, Trigger Break



## HIPERFIRE® PDI™

- Power Drop-In Trigger
- 2-lb. Pull
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- Polished Look
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- Curved Trigger Bow with a Backbone™
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- Changes the Trigger Lever Length for Fine Weight Adjustment
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## HIPERFIRE® X2S™ MOD-2

- Two-stage AR trigger
- Minimal, user adjustable, 2 – 3-pound first stage
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- Total 3-1/2 – 4-1/2-pound pull with green or red springs respectively
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Competition Hipertouch AR10/15  
Reflex Hipertouch AR10/15  
PDI™ AR10/15  
X2S™ Mod-2 AR10/15

<b>40287</b>	<b>\$250.00</b>
<b>40286</b>	<b>225.00</b>
<b>40288</b>	<b>180.00</b>
<b>40289</b>	<b>200.00</b>

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HIPERFIRE® HIPERCOMP® high-performance recoil compensators feature best in-class recoil reduction, include crush washers and install with MIL armorer's wrenches. (AK HIPERCOMP not pictured.)

Hipercmp 9mm, 1/2"x28	<b>40285</b>	<b>\$69.00</b>
Hipercmp 556, 1/2"x28	<b>40282</b>	<b>69.00</b>
Hipercmp 762 NATO, 5/8"x24	<b>40284</b>	<b>79.00</b>
Hipercmp 762 AK, M14x1L	<b>40283</b>	<b>79.00</b>

# MILSPEC AR Buffer Springs



AR15 Rifle Buffer Spring	<b>12213</b>	<b>\$4.99</b>
AR15 Carbine Buffer Spring	<b>12208</b>	<b>4.99</b>

# Specialized Dynamics Armorer's Upper Receiver Block



The Specialized Dynamics AR15/AR10 Armorer's 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.

**43234** **\$59.99**

# Emergency AR(epair) Kit



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 dent and spring.

**19460** **\$19.99**



# MAGPUL PMAG Drums



MAGPUL's PMAG drum magazines are durable, lightweight, highly reliable and made in the USA. The unique drum configuration keeps the height of the magazine manageable and allows for prone firing and easier storage. Features an easy-to-use loading lever, paint pen dot matrix for easy marking, and a rear window for instant capacity indication.

*Regarding GLOCK pistol version: It is recommended that you install a new OEM magazine release on Gen 1-3 GLOCK handguns to support the extra weight of the magazine. Gen 4 GLOCK handguns will require an aftermarket metal magazine release. Installation of a new recoil spring assembly to ensure reliable feeding is strongly recommended. Individual variations between firearms may result in an extra power recoil spring being required. Use of the D-50 GL9 in pistol caliber carbines (PCC) is not recommended, because the increased length of the feed tower will be partially unsupported in most pistol caliber magazine wells. This unsupported condition may cause premature wear on the feed tower magazine catch, and (in firearms which deviate from factory magazine well specifications) may result in improper round presentation and failures to feed.*

PMAG D-60 (AR15/M4)	<b>00131</b>	<b>\$134.95</b>
PMAG D-50 GL9-PCC (Glock mags)	<b>00129</b>	<b>124.95</b>
PMAG D-50 GL9-GLOCK	<b>00128</b>	<b>124.95</b>
PMAG D-50 EV9 (CZ Scorpion)	<b>00126</b>	<b>124.95</b>
PMAG D-50 MP (HK MP5)	<b>00127</b>	<b>124.95</b>
PMAG D-50 (SR25/M110)	<b>00130</b>	<b>154.95</b>



US-Made Dura Mag Speed  
30-Round AR-15 magazine.  
**15561 \$19.99**



South Korean 30-Round  
steel-body AK-47  
magazine.  
**76563 \$15.99**



Bulgarian polymer  
30-Round AK-74 5.45x39  
magazine.  
**21247 \$19.99**



Lancer L5AWM30  
Magazine, 5.56x45/.223  
Rem., 30-Round,  
Translucent Dark Earth  
**27112 \$19.99**



S&W Factory M&P 15-22  
25-Round .22 LR Magazine  
Black  
**27114 \$24.99**  
Flat Dark Earth  
**27115 \$24.99**



Genuine SIG factory 9mm  
P320 21-Round magazine.  
**22095 \$49.99**



Korean 30 M1 Carbine  
30-Round magazine.  
**29833 \$19.99**



Ruger BX-25 25-Round  
.22LR magazine.  
**17915 \$24.99**



Used factory GLOCK 22 .40  
caliber magazine.  
**11850 \$19.99**



Factory S&W M&P 17-Rd.  
9mm magazine.  
**37116 \$35.99**





### All-in-One Torque Driver Kit

Featuring the Fix It Sticks All-in-One Torque Driver. Tighten down your scope rings, mounts, actions screws, etc. while in the field, at the range, or at home.

Kit includes: All-in-One Torque Driver (15 - 65 inch lbs); T-Way T-Handle Wrench; 15 different bits: T10, T15, T20, T25, [hex 3/32, 5/64, 1/8, 5/32, 3/16, 2.5mm, 3mm, 4mm, 5mm], P1, slotted #5; 1/2" Socket and 1/4" bit adapter set; and Zippered case with Molded Holder.

29835 \$112.00



### Replaceable Edition Shooting/Hunting Kit

This kit offers unmatched portability, functionality and versatility. Two Fix It Sticks (which combine to form a T-Handle) and 16 bits are held in a molded bracket for portability/storage. Extra room on each end can hold two additional bits. Includes two sticks, bracket, and 16 different bits: 2.5mm Hex, 3mm Hex, 4mm Hex, 5mm Hex, T-10, T-15, T-20, T-25, T-30, 1/8" Hex, 5/64" Hex, 3/32" Hex, 5/32" Hex, 3/16" Hex, Slotted #5, and Phillips #1.

29843 \$40.00



### Mini All-in-One Torque Driver

Tighten scope rings, red dot sights, mounting plates, etc. Just turn the drive handle until the hash mark lines up with the torque value you need (from 6 - 25 inch-lbs).

29837 \$55.00



### All-in-One Torque Driver

Tighten scope rings, mounts, action screws, etc. Just turn the drive handle until the hash mark lines up with the torque value you need (from 15 - 65 inch-lbs).

29836 \$60.00



### Scope Bubble Level Set

Level your optics with machined aluminum levels, featuring precise UK-sourced bubble vials. Kit includes: Magnetic level, NATO/Pic rail level/anti-cant device, and Protective foam carrier with pouch.

29839 \$50.00



### Scope Jack

A new way to level your optic, the Scope Jack works with Any 1/4 inch driver to quickly and easily level your scope to your NATO/Pic rail. Just mount the Scope Jack to the rail under your scope and turn the drive handle until the lifting arm engages with the flat section under your turrets. Once the scope is level, maintain pressure while tightening your ring screws to keep optic level throughout the process.

29838 \$44.00



### Bolt Carrier Group Scraper

Custom bit that is designed to clean carbon off the various surfaces of the Bolt Carrier Group. Works with any standard magnetic 1/4" driver. Black Isonite finish for increased corrosion resistance and strength.

AR-15 (Top) 29840 \$10.00  
AR-10 29841 \$10.00



### Glock Tool Kit

Glock tool kit including two custom bits designed to aid in the assembly and disassembly of Glock Handguns / Front Sights. Includes: *Glock Front Sight Tool*, a 3/16" Hex Thin Wall Nut Driver - Integrated magnet holds the screw securely in place. Machined from Solid Steel Bar Stock. Works with any standard 1/4" bit driver. 3/32" Metal Pin Punch - Punch is sized to ensure easy removal of all Glock pins by hand. Machined from Solid Steel Bar Stock.

29842 \$16.00



### Remington Bolt Opener

Access your Remington 700 firing pin quickly and easily in the field with our compact custom bit. Levers the firing pin head with a "bottle opener" action. Molded synthetic polymer bushing protects bolt plug from damage.

29844 \$20.00



## Master Sight Pusher™

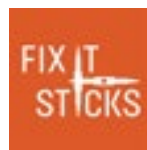


The Real Avid Master Sight Pusher is a professional-grade tool that makes quick work of changing pistol sights while protecting both gun slides and the sights themselves. Heavy-duty, built to last and smartly designed to work on most any modern pistol sights. The oversized, ergonomic Easy Torque™ Handle partners with extra-fine drive threads to provide maximum torque with minimal effort when removing or installing sights. The Universal Press Block features multiple contact surfaces for almost any size and style of press-fit dovetail slots and sight profiles. Adjustable non-marring contact surfaces securely hold both 1911 and flat-bottom pistol slide styles.

Master Sight Pusher

16496

\$149.99



## 2" Bit Sets



Expand the bit selection of your **Fix It Sticks Kit**. Bits are all 2" in length. Bits come in molded polymer bit holder that links with other bit holders.

**2" Bit Pack, Torx Bits** includes:  
T10, T15, T20, T25, T27, T30

29847 \$20.00



**2" Bit Pack, Metric Hex Bits** includes:  
Hex 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm

29845 \$20.00



**2" Bit Pack, SAE Hex Bits** includes:  
Hex 5/64, 3/32, 7/64, 1/8, 5/32, 3/16

29846 \$20.00



# The Most Important Gun

A black Glock handgun and an AR-15 rifle are lying on a gravel surface. The handgun is in the foreground, and the rifle is behind it. The magazine of the rifle has the letters 'D', 'T', and '1' written on it in white.

The semiauto handgun and the semiauto rifle, typified by the Glock and the AR-15, are the two firearms most commonly used for self-defense, and home defense, in the United States. If training time is limited, and one must be chosen to practice with, author Thomas recommends the handgun.

## By Duane Thomas

There are three broad categories of civilian-legal firearm: handguns, rifles and shotguns. Realistically we can forget machine guns and submachine guns, for the vast majority of people. If training time is limited, if you have to choose one of those three weapon types on which to focus, which should it be? In this article, I will argue for the handgun.

This may seem counterintuitive, since of the three sorts of civilian-legal firearm, the handgun is (1) the hardest weapon type to master to a high skill level, (2) the least

powerful, the least injurious, the least likely to stop an attacker with a minimum of hits necessary.

The shotgun, which in America probably means a buckshot-loaded 12 gauge, comes with significant drawbacks, among them extremely heavy recoil. Thus, more and more in recent years, those looking for a long gun for self-defense have gravitated toward some form of semiautomatic rifle, most commonly the .223/5.56-chambered AR-15, which is far easier to shoot fast and well than the shotgun or handgun, and hits harder than the latter. Thus, logic would seem to indicate, if we want to be armed



with the most effective firearm in an emergency, our practice time should focus on the rifle, yes?

A long gun (rifle or shotgun) is, as the name indicates, far longer than a handgun, thus it gives us three points of contact between our body and the weapon to control it: our master hand on the stock, our support hand on the forend, and our face on the stock. By contrast, there's only one point of contact between the handgun and our body: our hands on the grip. Thus, the handgun is the most difficult of the three major weapon types to really master.

If you're serious about self-defense, most of your training time should go into attaining a high skill level with the handgun. Because it is the most difficult of the three weapon systems to master, the skill level built getting good with the handgun transitions over to competence with the rifle or shotgun, in a way that getting good with a rifle or shotgun doesn't translate into competence with the handgun.

It's oh-so-tempting to choose the semiautomatic rifle to practice with. Because they are easier to shoot than a handgun, people can generally fire them, with minimal training, faster and more accurately than they can a handgun with equivalent training. This makes them feel competent. And who doesn't like feeling competent? By contrast, getting good with a handgun requires dedicated effort over a significant time period. Especially early-on, when skill level is low, this makes people feel incompetent. And who enjoys feeling incompetent? However, this is a problem to power through, because we reap huge benefits once we have.

There is a certain sort of person who likes to say, "I'm not very good with a handgun, but by God I'm good with a rifle, if I can see it, I can hit it!" Assuming you're ever able to get this person to the range with a rifle – and it will take you years to accomplish that, ask me how I know – you'll discover they're not very good with a rifle either. Gasp, shock.

But there is a core of truth to the ego-protecting BS. The person who's good with a rifle or shotgun generally cannot pick up a handgun and shoot it well. By contrast, the person who's good with a handgun generally can pick up a rifle or shotgun and shoot it well, because they've already mastered a far more demanding sort of firearm.

Put a rifle or a shotgun in a good pistol shooter's hands, if they're not familiar with that sort of firearm at all, it'll probably take them a few minutes to learn the controls, how everything works. But after that, they will be able to fire that long gun to a far higher performance level than most people would expect from someone who doesn't normally shoot that sort of firearm. By contrast, put a pistol in the hands of someone who only ever shoots a long gun, the results tend to be pretty sad.

The compact size that makes handguns so challenging to shoot really well makes them easily portable and

concealable. This is what we love about handguns, they can *be there* when we need them. Granted we have a concealed carry permit, or we're lucky enough to live in one of the growing number of states which have gone to Constitutional, permitless carry instead of one of the states where free men are no longer free, the handgun can be there when we get jumped at the ATM, in a way the rifle or shotgun can't.

If we wanted to go all Japanese samurai about it, we could say the handgun is the equivalent of the tanto knife worn constantly on the body for self-defense under normal circumstances; the rifle is the equivalent of the sword or pike, useful on the battlefield but way too long to carry around as we go about our daily business. The handgun is the baseline tool of interpersonal conflict involving firearms in the United States.

Long guns have their place. They are, in some ways, hugely more capable than handguns. But that place is, in the overall scheme of things, fairly limited. Even the United States military classes rifles and shotguns as offensive weaponry, handguns as defensive weaponry. That viewpoint, while arguably valid from a military standpoint, ignores the fact that, in the civilian context, there is crossover. Specifically, long guns are frequently pressed into service for home defense.

Way too many people poo-poo just how loud .223 rifles and 12-gauge shotguns are, and the level of permanent hearing damage we're looking at, should we ever have to fire such weapons indoors without hearing protection. Though a bit outside the scope of this article, a serious case can be made for the suppressor-equipped pistol caliber carbine as a home-defense weapon. But that's a topic for another article.

### Summary

I am not saying, "Never train with long guns." What I'm saying is:

1. Given the handgun's easy portability and concealability, it is by far the most likely firearm to be available if you're attacked outside your own home. Therefore, having a real skill level with your carry gun should be your absolute priority.

2. Of the three major sorts of civilian-legal firearm, the handgun is the most demanding to master. Building a high skill level with a handgun translates over into a decent skill level with the rifle or shotgun, in a way that focusing on the rifle or shotgun does not translate over into being decent with a handgun. Thus, handgun training does triple duty and serves to improve skill with all three weapon types.

If we have to choose one sort of firearm to which we'll dedicate the majority of our training time, if we do not choose the handgun, we have made, objectively, the wrong choice.

**Many more Duane Thomas articles are available for \$5 a month at [Patreon.com/DuaneThomas](https://Patreon.com/DuaneThomas).**



# 90 Percent of Everything We Know...

## We Learned from TV and the Movies. And 90 percent of That is WRONG!

By Jimmi Bonavita

As if carrying a gun daily for a living for 28 years in Law Enforcement wasn't enough, I spent almost the same amount of time working part-time in the movie industry providing firearms, special effects, and (trying) to train actors to convincingly appear knowledgeable when handling those guns. It all started out with small acting parts and providing the firearms for two Government agencies' LE training films and ended with me working on a few Hollywood feature-length movies and Indie ("Independent") films. So, I've seen the firearms issue from both sides of a camera lens, and I quickly learned that even with professional advice and consultation, firearms are little more than props or "playthings" to most actors, producers and directors. Sadly, Hollywood seldom gets anything right when it comes to firearms, and further, they are NOT inclined to change their perspective.

One memorable summer evening in 1986, under a mess tent in the swamp of Fort Belvoir, Virginia, after a particularly long, hot day (and night) of filming TriStar Production's "Gardens of Stone" (based on Nicholas Proffitt's novel of the U.S. Army's "Old Guard" burials at Arlington National Cemetery during the Vietnam War), Academy Award-winning director Francis Ford Coppola regaled all the actors and crew alike with stories over a very memorable steak dinner, complete with all the trimmings. (Thank you, Ricardo!) Francis started off his storytelling by making a simple statement that I've repeated during every firearms class I've taught since: "90 percent of everything we know, we learned from TV and the Movies... and 90 percent of that is wrong!" Over time it has proven to be one of the truest statements I've ever heard. Truly 90 percent of all the questions I have received during the concealed handgun classes I conduct every year are based on these very falsehoods. Simply put, Hollywood is single-handedly responsible for most of the "urban myths" and related misconceptions about guns and gunfighting in America. The best way to highlight Hollywood's misperceptions and misinformation is to give you specific examples, and the opposing truth and logic, topic by topic. I'm sure you savvy **Blue Press** readers will recognize most of the following examples.

The most cringeworthy mistake for me, and the most consistently repeated mistake that I see in virtually

every TV show and movie that features double-action semiauto pistols, is the audible "click" heard as the weapon is dawn and pointed by the hero (or villain). This is one of those inclusions that is done strictly for the dramatic effect, a sound that is added long after the scene (or after the movie) is filmed, done by the team of Foley Artist and Foley Editor, the persons responsible for dubbing voiceovers and inducing or adjusting "realistic" sounds. That sound is usually of the easily identifiable double action revolver being thumb-cocked and always an action depicted for the dramatic effect whenever revolvers are featured. It really spoils it for me, always making me cringe! Again, it's done for dramatic effect, but in this it fails miserably. A fully loaded and chambered Glock, for example, is properly carried in "condition one," its striker already retracted and held ready to impact the primer once the "safe action" trigger is pressed. Of course, no sound is heard unless a round is fired! Other examples I regularly notice are when the Foley team incorrectly attribute the unmistakable sound of a lever-action rifle for the cocking of a semi- or full-automatic weapon, or ricochets careening off soft targets and soft surfaces!

Probably the second-most cringeworthy film maneuver regularly committed on film, and certainly the most egregious, is what I refer to as the "Hollywood Flip." Although it may look "cool" on the big screen, it demonstrates utter contempt and indifference for the welfare of a firearm in the most demonstrable way. It's when the hero (or villain) opens the cylinder of a revolver to check to see if it's loaded (something Alec Baldwin has never done), and then, usually accompanied by a smirk and swagger, executes a quick flip of the wrist that sends the heavy cylinder crashing violently against the revolver's frame upon closing. This action exerts tremendous stress to the yoke (also called the crane arm), the part that holds the cylinder and the weakest link in the equation, because even steel can flex under the stress of the cylinder assembly attempting to rebound after slamming against the stronger frame. Such repeated acts can ruin the precise, hand-fitted relationship of these parts, eventually causing a warped or cracked yoke. This in turn throws off the revolver's "timing" and promotes "shaving," the spraying of lead upon firing, requiring an expensive trip to the gunsmith





**James Earl Jones as Command Sgt. Major "Goody" Nelson, and James Caan as Sgt. Clell Hazard, both of the U.S. Army's "Old Guard" in TriStar Production's "Gardens of Stone," based on Nicholas Proffitt's novel of the U.S. Army's "Old Guard" burials at Arlington National Cemetery during the Vietnam War. As the (uncredited) armorer, the author supplied most of the individual weapons and firearms special effects for this production.**

for repair. The proper method for closing a loaded cylinder is to positively, but gently push it closed with your fingers until you hear an audible "click," and then wiggle the cylinder slightly to make sure it's properly indexed. After explaining this very clearly to a gentleman once during a training session, and then properly handing him my very expensive large frame S&W revolver, butt first and cylinder open, he looked me directly in the eye, smirked...and then flipped the cylinder closed with a loud THWACK! My response? I immediately seized the revolver in the grip of my left hand while simultaneously decking him with a perfectly executed right cross. The problem was solved, the lesson was learned, albeit painfully and permanently for that idiot!

How many times have you watched the completely absurd scenario of a celluloid cop carrying a holstered semiauto handgun throughout most of a 60-minute show, only to pause momentarily outside the suspect's door in the last scene in order to manually retract the slide of his/her weapon, chambering a round? Again, this is done moronically for dramatic effect, but it's the reason so many citizens asked me during my uniformed LE service whether my sidearm was loaded or not!

One all-too common transgression has become a cliché...the glaring example of the otherwise safe and beneficial practice of keeping your trigger finger straight along the trigger guard of your firearm until you are

safely on-target, and ready to fire. But as with many other good ideas in Hollywood, this practice has just been carried way too far. In my opinion, when holding an **armed** suspect at gunpoint (something I have myself done many times in real life), your finger should be **ON** the trigger with all the available slack taken up, ready for what you hope and pray won't happen next. But... you must be prepared for that unpleasant possibility! Of course, this is all completely moot on film, even though in reality you have only **microseconds** to respond to imminent deadly force. Those microseconds it takes you to move your finger to the trigger at this point can mean the difference between life and death!

And don't you just love it when the show's requisite "gangbanger" holds his pistol "sideways" (horizontally) while he shouts orders at his/her intended victims? Because of the dynamics of the physics concerning the interrelationships of everything that occurs between the sights and the recoil dynamics of a handgun once the trigger is pulled on a semiauto, holding a handgun in this sideways configuration almost guarantees an errant shot, if not a complete miss! But I swear, the question of whether this is a legitimate gun-handling technique comes up in every class I've taught in the last 10 years! My answer to the question as to why this is done is always, "Because that's how it comes out of the box!"

How about the ubiquitous and obligatory scenario on even the best cop shows where, although totally outgunned by the bad guys armed with submachine guns or assault rifles (at close range, mind you!), and who are indiscriminately spraying hundreds of rounds of fully automatic fire across the entire landscape without hitting anyone, are somehow immediately stopped by just one or two expertly-placed center-mass shots from the hero's handgun, sometimes at distances that would even deter the attempt by a Marine sniper! Of course, those scenes are not complete without those magical Hollywood magazines that allow 250-300 rounds of ammo to be crammed into a 30-round standard capacity magazine! Even if the antagonist fires only a short three or four-round automatic burst from his machine gun, you will usually see thirty or forty bullet impacts on target! Do you know how this is even possible? As we used to say in the movie business, "It's in the script!"

And those "sparking" bullet hits on cars and other metal objects? Is that realistic? Of course, it isn't! It's total drama again. I've literally shot many thousands of rounds of both handgun and rifle bullets into vehicles of all types (including armored vehicles), and to my memory, not one single one of them caused a spark!

What about the Hollywood myth of the 12-gauge shotgun that clears a 10-foot-wide path across room or landscape with one single shot? I've seen this on film a few times even though in reality, 18 to 21-inch-barreled cylinder bore police "riot" guns will throw a very small pattern, part of a hostage-stopping technique I regularly demonstrate on police ranges. At 7-yards (21 feet), these shotguns will usually throw a pattern easily covered by the palm of your hand!

What about all the noise associated with un-suppressed firearms, which the vast majority are? Although the threshold of pain for humans is 140 decibels, long or repeated exposure to sounds at or above 85 decibels can cause permanent hearing loss. It is very rare indeed that you see actors wearing any hearing protection whatsoever when shooting their weapons even when pictured inside the confines of a building or a car! I am always especially amused to see actors oftentimes having NO hearing protection even when shooting in an indoor shooting range! Ever have the pleasure of being in a confined space when someone lets-go a round or two, accidentally or otherwise? NOT FUN! Of course, live rounds are not really being fired in the firearms depicted on TV and in the movies (pardon me, Alec Baldwin), the requisite (if appropriate) sounds being dubbed in afterwards by the Foley Artist. 12 and 20-Gauge shotguns create 152-161 decibels on average, while rifles of 5.56mm and .30-06 caliber create for example create 155.5 to 163.2 decibels respectively. Handguns generally produce less. The exception is the .357 Magnum, which is the firearm's world champion at 164.3 decibels. Only one such shot, which

only exposes a person to the 164.3 decibels for two microseconds, does the very same hearing damage to ears as 40 hours of exposure in a noisy workplace.

And except on TV and in the movies, sound suppressors don't work effectively on revolvers because most of the noise emanates via the gap between the "forcing cone" (the rear of the barrel extension extruding from the frame) and the cylinder.

One of best examples of "willful suspension of disbelief" in Hollywood is the ubiquitous scene of a through-and-through gunshot wound on a victim standing in front of a wall or large pane of glass with no discernable damage whatsoever to the backstop! Blood, gore and bits of bone are regularly depicted as back-splatter onto wall or window with nary a hint of a bullet hole appearing in the sheetrock, or even the smallest crack in the pane of glass! Do you ever wonder where the bullet went as it propelled all that biological matter? The result would be a bullet hole or completely shattered glass caused by any projectile passing through a body with enough force to propel all that blood, bits and gore onto the backstop just behind it!

And of course, anyone with even a rudimentary grasp of physics and more than two brain cells to rub together realizes that a 55-grain 5.56mm or a 115-grain 9mm bullet cannot lift a 150 to 200-pound human body off the ground and propel it backwards 20 or 30 feet, or blow a 2-1/2-ton automobile sky high, flipping it over several times in the process, although we all have regularly see both many times, ad nauseum, on the "boob tube" and/or silver screen. "Absolutely incredible," you say! But then again, "It's in the script!"

In 2003, I acted in and crewed as prop master/armorer for my very last movie, the Indie, "Black Hawk on Sacred Ground," winner of the 2005 Cherokee Film Festival's best movie, although admittedly a "B-grade" film. After traveling thousands of miles with the rest of the cast and crew, and spending 17 long, consecutive 16-hour days (and nights) in the 118-degree heat of the Arizona and Utah's deserts, I was not only not reimbursed for the equipment and material I had already purchased and expended, but I ultimately received no pay whatsoever for all the work I did on, and in it! Alas, almost three decades of such unfortunate experiences proved too often be the norm. It was therefore a very easy decision for me to end my part-time career in filmmaking forever. The glitter of Hollywood faded forever after continually experiencing the constantly broken promises of screen credit (which costs your employers nothing!), the inevitable lawsuits over broken or deceptive contracts, and the endless backstabbing, lying and scheming of the producers and directors. I have politely turned down several big productions throughout the last two decades. Trust me...90 percent of Hollywood is just plain WRONG!

Really.





# Dillon Leather by Mitch Rosen!



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

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GLOCK 17, 22, 31	18813
GLOCK 19, 23, 32	18814
GLOCK 26, 27, 33	18815
GLOCK 20, 21	18816
GLOCK 42	10034
GLOCK 43	10035
GLOCK 43X	11919
GLOCK 48	11920
SIG P220, P226	18818
SIG P228, P229	18827
SIG P320 4.7"	10032
SIG P365	10033
S&W M&P 9mm/.40 Auto	19011
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## El Raton-DL

**\$55**

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

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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.

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# 5.11 Tactical®



Double Duty TDU®



Trainer



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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.

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Waist Size	1.5" TDU®	
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## 5.11® 1.5" Trainer Belt & 1.75" Operator Belt

Waist Size	1.5" Trainer	1.75" Operator	
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Med. 32-34"	21614	21607	48.00
Lg. 36-38"	21615	21608	48.00
X-Lg. 40-42"	21626	21609	48.00
2X-Lg. 44-46"	21627	21610	54.00
3X-Lg. 48-50"	21628	21611	54.00
4X-Lg. 52-54"	21670	21612	54.00

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The Blade-Tech Ultimate Carry Belt by Nexbelt is specifically designed for those who carry a firearm daily for personal defense. The PreciseFit ratchet system allows you to quickly tighten or loosen the belt in 1/4" increments up to 6" for the perfect fit – no matter how you carry. Rest assured, this will be the most comfortable and fastest adjusting belt you will ever own. The Ultimate Carry Belt has a water-resistant backing that helps prevent moisture from penetrating the outer surface and allows for extra strength and durability. **One size – adjusts to fit all.**

Titan Black Nylon 1.5"	12380	\$49.99
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**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 un-noticed 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!

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## "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™.

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GLOCK 19/23	40139	34.99
GLOCK 20/21	40142	34.99
GLOCK 34/35	40141	34.99
SIG 4.7" P320/X5	10036	34.99
S&W 4" M&P (also fits Gen2)	40149	34.99
S&W 4.25" M&P 2.0	10037	34.99
Springfield 4.5" XDM	40145	34.99
Springfield 5.25" XDM	40146	34.99
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## Klipt IWB Holster

The Klipt Appendix "Inside the Waistband" 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.

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SIG P365 3.1" Barrel	43401	29.99
S&W J-Frame Revolver	43397	29.99
S&W M&P Shield	43395	29.99
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**BLADE-TECH Duty Drop & Offset™**

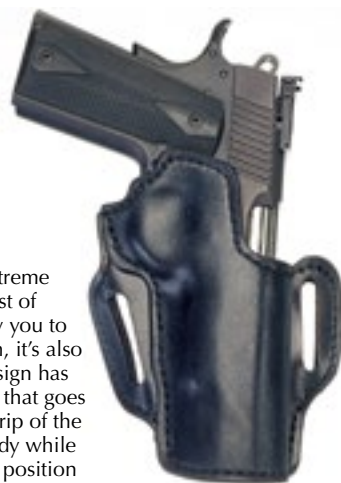
40017  
\$14.99



<b>Single Mag</b>	<b>\$19.99 ea.</b>
1911	40150
GLOCK 9/.40, etc.	40151
GLOCK 10/.45, etc.	40152
Double-Stack 9/.40, etc.	40153
Double-Stack 10/.45, etc.	40154
<b>Double Mag</b>	<b>\$29.99 ea.</b>
1911	40155
Small GLOCK	40156
Large GLOCK	40157
Double-Stack 9/.40, etc.	40158
Double-Stack 10/.45, etc.	40159



**Large Tek-Loc™ Universal Belt Clip**  
40029 \$12.99



This holster is designed for an extreme high rise carry and offers the best of both worlds. Not only does it allow you to carry a full-size automatic handgun, it's also totally concealable. The unique design has Mernickle's patented stabilizer flap that goes behind the belt. This prevents the grip of the gun from tipping away from the body while doing daily activities. The high-rise position allows you to sit in chair or vehicle without needing to take the gun out of the holster.

XHR 1911 Holster **19018 \$124.99**



Designed to be the ultimate in concealed carry for those not comfortable with an Outside the Waist Band (OWB) holster – the ISP offers a great carry solution! This holster gives the appearance of a front pocket wallet and breaks up the outline of your gun. The smooth Herman Oak leather inside protects the finish of the gun, but the suede outside ensures that the holster sticks in the pocket.

Sm Auto ISP	19019	\$39.99
Med Auto ISP	19020	39.99
Sm Revolver ISP	19089	39.99

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" SAA/Clones	11560	\$109.99
4-5/8" Ruger Blackhawk	15765	109.99



This holster/mag pouch combination was designed for the Single Action Shooting Society's "Wild Bunch" category, 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.

1911 Holster	19947	\$175.99
Mag Pouch	19946	49.99





# Comp-Tac

The Comp-Tac® QD Holster is a combination holster that allows for a safe and secure fit of multiple firearms. The QD Holster is ambidextrous and concealable with IWB and OWB wear, all in one holster!

**QD Size 1:** Glock 9/40/357 All Lengths (Not .40 Gen5), Glock 41, Glock 36; S&W M&P 9/40/357 All Lengths (Not Shield); Walther PPQ/M2 All Lengths, Q5 Match (Not Steel Frame); and Canik TP9 SFX. **21245 \$49.00**

**QD Size 2:** Beretta APX; Canik TP9 SFE, CZ P07, P09, P-10 All Lengths; FN FNX, FNS 40C/ 9L, 509; HK VP40, P30, P30L, P30SK, USP's Full Size and Compact, P2000, 45 FS/C; Ruger SR9 Full Size and Compact, Ruger 5.7, American All lengths; S&W M&P .45s (Not Shield); Springfield XD/ XDM/ Mod 2 All Lengths and Calibers; Glock 20 All Versions, Glock 40, G23/22/27/35 Gen5, G29/30 NR; SIG 250 All Variations, SIG 320 All Variations, SIG P226 All Variations, SIG 229 All Versions, 220 NR; Taurus All .45 Millennium and Millennium Pro; Walther PPQ .45, Creed, PDP All lengths; and STI GP6. **11894 \$49.00**

**QD Size 3:** Glock 43, 43X, 43X MOS, 48, 48 MOS; Springfield XD-S; S&W Shield, Shield EZ-9; Walther PPS, Walther CCP; and Ruger Max-9. **11896 \$49.00**

**QD Size 4:** 1911s – Colt; Remington; Kimber; Springfield, All Models Including TRP Half and Full Rail; SIG 1911s; and All Mil-Spec. **11897 \$49.00**



## SAFARILAND® Revolver Accessories



Comp 1



Comp 2



Comp 3



**Comp 1 Speedloader**  
S&W J-Frame (5-Shot)

12405

\$13.99

**Comp 2 Speedloader**  
S&W K-Frame  
S&W L-Frame

13104

\$13.99

13074

13.99

**Comp 3 Speedloader**  
S&W K-Frame  
S&W L-Frame

13224

\$19.99

13117

19.99

**333 Speedloader Holder**  
S&W K-Frame  
S&W L-Frame

12411

\$34.99

13087

34.99



**IDPA Revolver Competition Holster** (Above, Left)

4" K-Frame S&W Revolvers	13029	\$74.00
4" L-Frame S&W Revolvers	13032	74.00
4" N-Frame S&W Revolvers	13038	74.00
4.2" Ruger GP100 Revolvers	13048	74.00

**USPSA Revolver Competition Holster** (Above, Right)

6" K-Frame S&W Revolvers	13030	\$74.00
6" L-Frame S&W Revolvers	13033	74.00
5" N-Frame S&W Revolvers	13043	74.00
6.5" N-Frame S&W Revolvers	13044	74.00



**Comp-Tac Victory Gear International Right-Hand Holster for 5" Springfield Prodigy pistol.** The International™ is an outside-the-waistband (OWB) holster designed to be worn at the three o'clock position.

The International's all-Kydex® body provides a holster perfect for use in competition shooting sports. The International™ ships as a belt mounted holster. Two additional mounting options (paddle mount and drop offset mount) are included in the package at no extra charge.

32541 \$70.00

## HOGUE® HoldALL



### Universal Moon Clip/Speed Loader Holders

Moon Clip Holder	44080	\$29.99
Speed Loader Holder	44081	29.99

**NOTE:** Dummy ammo, moon clips and speed loaders not included. Moon Clip Holder center post measures 1/2" in diameter. Both designed for 1.5" wide belts.

# HOGUE

## Monogrips \$29.99



**S&W K, L, N, X, Z Frame Round Butt Rubber Tamer Conversion Monogrip.** An extra layer of padding helps absorb recoil and adds trigger reach for those with larger hands or long fingers.

10181 \$34.99

### Square Butt Monogrips

Colt Python 12138  
K, L-Fr. Square Butt 12786  
N-Fr. Square Butt 12145  
N-Fr. Round Butt 18100

### Round Butt Monogrips

Ruger SP-101 14833  
S&W J-Fr. Round Butt 12277  
K, L-Fr. Round Butt 12549

## "BIG Butt" Grips \$79.99



**Jerry Miculek Competition Grips**  
\$104.99



N-Fr. Round Butt 11324  
N-Fr. Square Butt 11325  
K, L-Fr. Round Butt 11327  
K, L-Fr. Square Butt 11326

**BIG Butt Grips**  
S&W N-Fr. Rd. Butt 12141  
K, L-Fr. Rd. Butt 12140

## "20 Caliber" Ammo Can

Modeled after the military can, this tough unit is injection molded out of a tough polymer, has a gasket sealed lid, and a cam-lock latch to protect your contents. Also features a collapsible handle for easy stacking and storing. *Dimensions: 9.25" L x 3.125" BW x 3.125" TW x 2.5" H. LIFETIME WARRANTY. MADE IN THE USA.*

12296 \$12.99

# TK Custom Moon Clips



N-Fr. 9/.38 ACP 8-Shot (Blue) (10 Pk)	12044	39.99
L-Fr. 9/.38 ACP/.40 6-Shot (Blue) (10)	12057	39.99
Ruger Redhawk .38/.357 8-Shot (10)	44446	69.99
Ruger Super GP100 .38/.357 8-Shot (10)	44447	69.99
Ruger Super GP100 9mm 8-Shot (10)	44448	69.99
S&W N-Fr. .45 ACP 6-Shot (10 Pk)	12058	19.99
S&W N-Fr. .45 ACP EDM 6-Shot (10)	12059	74.99
S&W N-Fr. 10mm 6-Shot (10 Pk)	55520	79.99
S&W L-Fr. .38/.357 7-Shot (10 Pk)	12065	64.99
S&W L-Fr. .38/.357 6-Shot (10 Pk)	12066	64.99
S&W J-Fr. .38/.357 5-Shot (5 Pk)	12088	32.99
S&W K-Fr. .38/.357 6-Shot (10 Pk)	12090	64.99
S&W N-Fr. .38/.357 8-Shot EDM (10)	12091	64.99
N-Fr. .38/.357 8-rd. EDM Starline ONLY(10)	12092	64.99
S&W N-Fr. .38/.357 8-Shot (Blue) (10)	12093	39.99

## Crimson Trace Lasergrip



Laser sights for the wildly popular Smith & Wesson J-Frame revolver line feature a hard polymer surface that is rugged and well suited for personal defense. The smooth feel of the polymer provides for a prompt, snag-free draw. Lasergrips® includes the durability, sighting adjustments, and the defensive advantage that Crimson Trace® is famous for.

66054 \$229.99

# TUFF PRODUCTS Quick Strips



**TUFF QuickStrips** are available for a variety of revolver calibers from .17 HM2 to .460 S&W. *Sold in packages of 2.*

.22 LR-Mag./17HM2-HMR (10 rd.)	11737	\$10.99
.32/.327/9mm (8 rd.)	11738	10.99
.38/.357/.40/10mm (5 rd.)	11740	10.99
.38/.357/.40/10mm (6 rd.)	11741	10.99
.38/.357/.40/10mm (7 rd.)	27083	10.99
.38/.357/.40/10mm (8 rd.)	11742	10.99
.44 Special-Magnum/.45 Colt/.460 S&W/.410 Shotshell (6 rd.)	11750	10.99



# DILLON RIFLE COMPANY

The OPAR Operator Trigger is a complete-assembly pre-stage drop-in trigger purpose built to provide improved trigger pull weight, reset, clean feel, precision, and safety for day-to-day users, military and law-enforcement members and agencies. The trigger's form enhances precision capabilities through its Area-of-Engagement design. This is accomplished by helping shooters build muscle memory for their trigger-finger placement in a simple and natural way.

It has a clean 5.0 to 5.5-pound trigger pull weight with a short trigger reset. The OPAR Operator's patent pending pre-stage trigger mechanism design has an inset secondary trigger providing an additional safety mechanism to reduce the chances of an accidental discharge. The OPAR Operator is compatible with AR-15 and HK416 rifles using the Mil-Spec 0.154-inch pins.



**Dillon Rifle Company AR-15 OPAR Operator Trigger, Curved**  
**11312 \$265**



## The Jalapeño

You shoot a lot and your gun gets hot. Then, without thinking about it, you put your rifle into its case or someplace else equally tender. I have mauled several rifle cases, burned a car seat, and have at least one scar from doing exactly this. This is why we created The Jalapeño. Actually, we made the original The Jalapeño for the Minigun. With it, we could dump 3000 rounds in a minute or so, slip The Jalapeño over the barrel group, pull the gun off the mount and stow it right away. 23.5 in. (l) x 8 in. (w), Made in the U. S. A.

Super Green	<b>40294</b>	<b>\$65.00</b>
Basic Black	<b>40295</b>	<b>\$65.00</b>
Above Average Grey	<b>40293</b>	<b>\$65.00</b>

## CED Edge Dual PCC Rifle Case

The CED Dual Rifle case gives you two in one! Two rifles and three modes of carry, all in one great PCC rifle case. Excellent protection for your expensive competition PCC and AR rifles, this case includes storage for two pistols and lots of magazines as well.

Comes with a handle, shoulder strap, and

backpack-style shoulder straps, which tuck away when not in use or can be removed if not needed.

The MOLLE PALS system across the front of the case, allows the user to add optional accessory cases to the rifle case itself.

The case measures 35.43" x 11.81" inside the main compartment.

**10977 \$99.99**



## CED PCC Mag Storage Pouch

The perfect companion for your range bag, rifle case or backpack! Holds up to six extended PCC straight magazines of up to 42 rounds and can accept magazine lengths up to 10 inches.

Measurements are: 12.75" Wide x 11.5" High closed (open approximately 12.75" x 19.0"). The pouch pocket length is 6.25."

**10978 \$15.99**



## CED PCC Rifle Sleeve

The CED PCC Rifle Sleeve is the ideal companion for competition stage use. It's a lightweight, water-resistant neoprene zippered sleeve that folds up easily to fit into a range bag or backpack. Perfect for covering and protecting your PCC rifle when carried in a trolley or wagon at the range. Weighs only 8 ounces and measures 33" inside.

**10979 \$19.99**



# ETS Elite Tactical Systems Magazines

**Made in the USA With  
a Lifetime Warranty!**

## CZ Scorpion Evo Magazines

CZ Scorpion Evo Magazine, 30 rd. 9mm	11340	\$21.99
CZ Scorpion Evo Magazine, 40 rd. 9mm	11341	24.99
CZ Scorpion Evo Magazine, 40 rd. 9mm (Smoke)	16380	15.99

## Glock Magazines

GLK-17-10 Magazine, 10 rd. 9mm	10265	17.99
GLK-17 Magazine, 17 rd. 9mm	40179	16.99
GLK-17 Magazine, 17 rd. 9mm (Smoke)	21165	14.99
GLK-9-22 Magazine, 22 rd. 9mm	10262	21.99
GLK-9-170 Magazine, 27 rd. 9mm	40182	21.99
GLK-18 Magazine, 31 rd. 9mm	10246	21.99
GLK-18-40 Magazine, 40 rd. 9mm	40161	26.99
GLK-18-40 Magazine, 40 rd. 9mm (Smoke)	16379	14.99
GLK-19-10 Magazine, 10 rd. 9mm	10264	17.99
GLK-19 Magazine, 15 rd. 9mm	40180	16.99
GLK-20 Magazine, 15 rd. 10mm	40164	16.99
GLK-20-20 Magazine, 20 rd. 10mm	40184	21.99
GLK-20-30 Magazine, 30 rd. 10mm	40165	23.99
GLK-21 Magazine, 13 rd. .45 ACP	40162	16.99
GLK-21-18 Magazine, 18 rd. .45 ACP	40183	21.99
GLK-21-30 Magazine, 30 rd. .45 ACP	40163	23.99
GLK-22-140 Magazine, 19 rd. .40 S&W	10263	21.99
GLK-22-170 Magazine, 24 rd. .40 S&W	40186	21.99
GLK-22 Magazine, 30 rd. .40 S&W	10250	21.99
GLK-42 Magazine, 7 rd. .380	10251	16.99
GLK-42 Magazine, 9 rd. .380	10260	21.99
GLK-42 Magazine, 12 rd. .380	10261	21.99
GLK-43 Magazine, 7 rd. 9mm	10247	16.99
GLK-43 Magazine, 9 rd. 9mm	10248	21.99
GLK-43 Magazine, 12 rd. 9mm	10249	21.99

## S&W Shield Magazines

SW9-SHD-7 Magazine, 7 rd. 9mm	40166	16.99
SW9-SHD-12 Magazine, 12 rd. 9mm	40167	21.99

## S&W M&P Magazines

SW9-MP-17 Magazine, 17 rd. 9mm	40168	16.99
SW9-MP-17 Magazine, 17 rd. 9mm (Smoke)	21167	14.99
SW9-MP-21 Magazine, 21 rd. 9mm	40169	21.99
SW9-MP-30 Magazine, 30 rd. 9mm	40170	21.99

## Springfield Armory XDM Magazines

SA XDM Magazine, 22 rd. 9mm	30206	16.99
SA XDM Magazine, 30 rd. 9mm	30207	21.99
SA XDM Magazine, 40 rd. 9mm	30208	26.99

## SIG 320/250 Magazines

SG9-320-15 Magazine, 15 rd. 9mm (Smoke)	21172	14.50
SG9-320-17 Magazine, 17 rd. 9mm	40171	16.99
SG9-320-17 Magazine, 17 rd. 9mm (Smoke)	21173	14.50
SG9-320-21 Magazine, 21 rd. 9mm	40172	21.99
SG9-320-30 Magazine, 30 rd. 9mm	40173	21.99

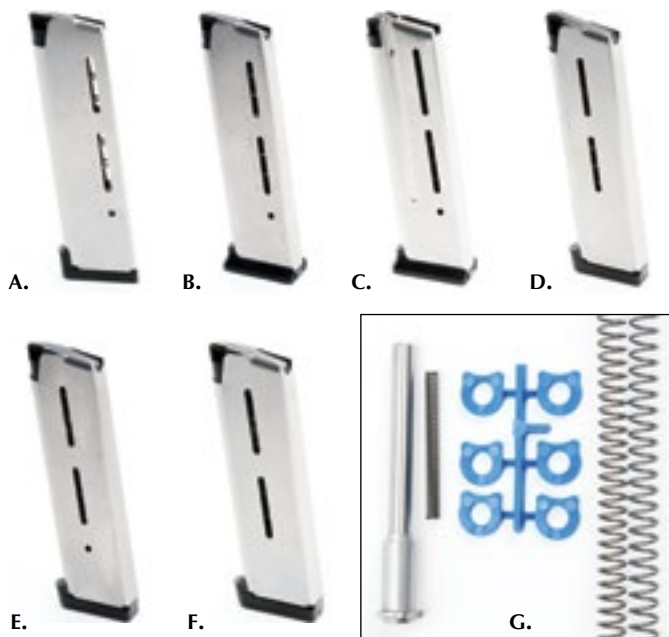
## H&K VP9 Magazines

HKVP9-17 Magazine, 17 rd. 9mm	40174	16.99
HKVP9-21 Magazine, 21 rd. 9mm	40175	21.99
HKVP9-30 Magazine, 30 rd. 9mm	40176	21.99

## H&K MP5 Magazines (Compatible with all MP5-style 9mm firearms.)

HK MP5 Magazine, 30 rd. 9mm	10043	39.99
HK MP5 Magazine, 40 rd. 9mm	10042	44.99
HK MP5 Magazine, 40 rd. 9mm (Smoke)	16387	22.99
HK MP5 Magazine, 10 rd. 9mm	10022	39.99

# Wilson Combat



**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 18602 \$48.99

**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 12027 \$39.99

C. ETM (10 rd) 9mm 19463 42.99

Not Pictured – 47NX (9 rd) 10mm 12371 40.99

## Wilson Combat Magazines

D. Match Magazine (7 rd) .45ACP 10505 \$35.99

E. WIL-ROG Mag (8 rd) .45ACP 11714 35.99

F. Officers Match Mag. (7 rd) .45ACP 10506 35.99

**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 18150 \$38.99

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

SHOK-BUFF Kit (2 buffers, 18.5# recoil spring) Gov't Model

18148 \$6.99

SHOK-BUFF Buffer only (6 ea.) 18147 6.99

# CMC Magazines

**McCormick Railed Power Mags™** feature patent pending Dual Wall Feed Rails™ that are at least twice the strength of regular feed lips. They have a patented tactical RPM™ follower, a stainless steel mag tube, an EZ clean base pad and a proven customer-satisfaction policy. All CMC magazines are designed to give the pistol shooter the advantage of extra shot capacity and improved performance.

## Railed Power Mags™

CMC RPM 10-Rd. .45 ACP 1911 11077 \$42.99

CMC RPM 8-Rd. .45 ACP 1911 11078 39.99

## Match Grade and Range Pro Magazines

Match Grade .45 ACP 8-Rd. (Floorplate drilled for base pads.)

10311 \$32.99

Base Pad & Screws for above 33360 2.99

Range Pro 10-Rd. 9mm (Pictured) 43261 37.99





# EB Ed Brown Products

**Two-Piece 1911 Guide Rod Assembly**  
Heat-treated Stainless Steel  
May be installed without firearm modification.  
**10229 \$29.99**



**Rebuild Kit**  
for 1911-Style Pistols,  
STAINLESS (pictured)  
**10226 \$19.99**  
BLUE  
**10225 \$19.99**

**Grip Screw Bushings**  
Set of Four for 1911-Style Pistols STAINLESS (pictured)  
**10228 \$9.99**  
Set of Four for 1911-Style Pistols BLUE  
**10227 \$9.99**



## Wolff Gunsprings

### RECOIL SPRINGS

#### BROWNING HI-POWER

18.5 Pound **11373 \$7.99**

#### COLT GOVERNMENT MODEL

9 Pound **11719 \$7.99**

10 Pound **12193 7.99**

12 Pound **12007 7.99**

13 Pound **12443 7.99**

14 Pound **12338 7.99**

16 Pound (Std.) **11860 7.99**

17 Pound **12192 7.99**

18.5 Pound **12465 7.99**

20 Pound **12056 7.99**

23 Pound **11377 7.99**

#### COLT OFFICERS MODEL

24 Pound **12110 \$7.99**

#### SMITH & WESSON M&P

12 Pound **19356 \$7.99**

14 Pound **19357 7.99**

15 Pound **19358 7.99**

16 Pound (Std.) **19359 7.99**

#### HAMMER SPRINGS

1911(19,20,21#) **11511 \$9.99**

#### MAG CATCH SPRINGS

1911 **11791 \$9.99**

#### REVOLVER SPRINGS

The Shooter's Paks listed for various

revolvers contain springs designed to optimize hammer and/or trigger function often without the expense of "custom trigger jobs."

#### (Hammer/Trigger Return Springs)

Ruger GP-100 **11367 \$10.50**

SP-101 **12598 9.50**

S&W J Frame **12189 9.00**

#### (Mainspring/Rebound Springs)

S&W K,L,N (standard) **15073 \$15.00**

S&W K,L,N (reduced power) **15072 15.00**

#### RIFLE SERVICE PACKS

Rifle Service Paks offer one each of the available coil-type springs required to return the particular rifle to original factory condition.

M1 Garand **55015 \$25.99**

M1 Carbine **55016 17.99**

M1A/M14 **55017 23.99**

#### REPLACEMENT MAGAZINE SPRINGS

Glock 33-Round Magazine **11950 \$9.99**

S&W M&P Magazine Springs, 3-Pack **25300 17.99**



### Gunslinger Spring Kits

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

Colt & clones **20510 \$26.99**

Ruger Blackhawk/Vaquero **20511 24.99**



## Nighthawk Custom Drop-In 1911 Trigger System

When looking to upgrade the performance of a 1911 pistol, a common improvement sought by shooters is a high-quality trigger job, with a crisp, clean break. Until now, a high-quality trigger job has never been in the realm of a "drop-in" upgrade. Nighthawk Custom has changed that with the introduction of its Drop-In Trigger System (DTS) for 1911 pistols.

An all-in-one unit, the DTS replaces your existing hammer, hammer strut, sear, disconnector, and sear spring. Your existing sear pin and hammer pin will be retained for use with the DTS, but no other parts are necessary for installation. With a steel housing securing the unit, the DTS features all Fully Machined™, stainless steel internal components. The traditional three-pronged sear spring is no longer necessary as the springs for the disconnector and sear are built into the unit. A single-leg grip safety spring is included with the DTS to replace the existing sear spring.

The DTS is designed for use in most 1911 models, and installation is simple enough that minimal gunsmithing skills are necessary.

Stainless Drop-In Trigger System **18930 \$299.99**

Black Nitride Drop-In Trigger System **18931 299.99**



## Evolution Gun Works 1911 Magwell

EGW 1911 Magwell, Blue **18601 \$79.00**  
EGW 1911 Magwell, Stainless **18600 79.00**

## Dillon's 1911 Action Impact Reducers^

An easy, affordable way to protect your favorite 1911's frame from being battered by recoil.

Action Impact Reducers (6 ea.) **20516 \$4.99**



**WARNING:** The products offered for sale in this catalog can expose you to chemicals, including Lead, which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

# MAGPUL®

## UNFAIR ADVANTAGE™



**M**AGPUL 30-Round polymer PMAG 30 GEN M3™ AR-15/M4 .223/5.56 magazine. **43280 \$14.99**  
 MAGPUL AR-15/M4 .300 BLK magazine. **12121 15.99**



**M**AGPUL 10-Round polymer PMAG 10 AR-15/M4 Gen M3™ .223/5.56 magazine. **33393 \$14.99**



**M**AGPUL 25-Round polymer PMAG 25 LR/SR Gen M3™ Window SR25/ M110 .308/ 7.62x51 magazine. **27080 \$24.99**



**M**AGPUL 20-Round polymer PMAG 20 LR/SR Gen M3™ SR25/M110 .308/ 7.62x51 magazine. **55007 \$22.99**



**M**AGPUL 30-Round polymer PMAG 30 AK/AKM MOE® 7.62x39 magazine. **43241 \$15.99**



**M**AGPUL AK MAGLINK™ fits 7.62x39 PMAG 30-round AK/AKM MOE® and GEN M3™ magazines. **00008 \$17.95**



**M**AGPUL 20-Round polymer PMAG 20 AK/AKM MOE® 7.62x39 magazine. **10008 \$15.99**

**M**AGPUL PMAG 10 7.62 AC is a reliable and durable polymer magazine for the .308 Winchester-based family of cartridges.

Compatible with short action AICS-spec bottom metal to include the Bolt Action Magazine Well for the Hunter 700 Stock.

**10702 \$39.99**



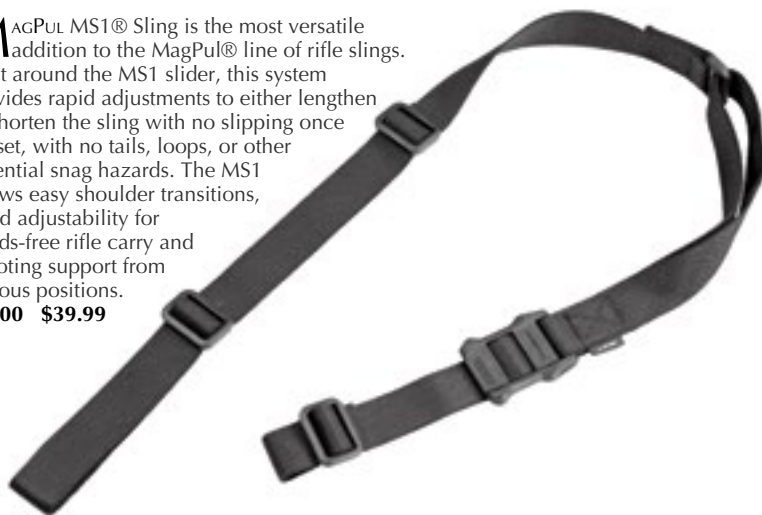


**M**AGPUL 35-Round polymer PMAG 35 EV9® magazine for the CZ Scorpion EVO 3.  
**12113 \$19.99**



**M**AGPUL MS1 QDM Sling includes factory-installed MagPul QDM quick-disconnect swivels (inset, above).  
**10703 \$74.99**

**M**AGPUL MS1® Sling is the most versatile addition to the MagPul® line of rifle slings. Built around the MS1 slider, this system provides rapid adjustments to either lengthen or shorten the sling with no slipping once it's set, with no tails, loops, or other potential snag hazards. The MS1 allows easy shoulder transitions, rapid adjustability for hands-free rifle carry and shooting support from various positions.  
**10700 \$39.99**



**M**AGPUL M-LOK QD Sling Mount provides a forward attachment point for the MagPul MS1 QDM Sling and other push-button QD slings.  
**10704 \$19.99**



**M**AGPUL push-button quick-detach sling swivel for 1-1/4" webbing, compatible with QD sling attachment points. Manganese-phosphate finished steel.  
**43239 \$14.99**

## SPRINGFIELD ARMORY Magazines



<i>Springfield Prodigy Magazines</i>			
17-Rd. 9mm	14165	\$60.00	
20-Rd. 9mm	14166	60.00	
26-Rd. 9mm	14167	60.00	
<i>Springfield Hellcat, XD and XDM Magazines</i>			
15-Rd. Hellcat 9mm	15128	\$39.99	
13-Rd. Hellcat 9mm	15127	39.99	
11-Rd. Hellcat 9mm	15126	29.99	
19-Rd. XDM 9mm	15496	36.99	
22-Rd. XDM 9mm	15497	33.99	
7-Rd. XD-S 9mm	19681	28.99	
8-Rd. XD-S 9mm	11731	39.99	
9-Rd. XD-S 9mm	19680	39.99	
5-Rd. XD-S .45	15234	28.99	
6-Rd. XD-S .45	11730	39.99	
7-Rd. XD-S .45	15235	39.99	
<i>Two-Piece 1911 Recoil Spring Guide Rod – Machined from stainless steel.</i>			
	15724	\$24.99	

## Mec-Gar Magazines

Beretta 92 18-rd. AFC*	18728	\$29.99
Beretta 92 20-rd. AFC*	18729	35.99
Browning HP 15-rd. Blue	18730	28.99
1911 8-rd. .45 ACP Blue	43406	25.99
1911 8-rd. .40 S&W Blue	43405	24.99
1911 8-rd. 10mm Blue	43404	24.99
1911 10-rd. 9mm Blue	43402	29.99
1911 11-rd. .45 ACP Blue	18732	24.99
CZ-75B 19-rd. AFC*	14989	35.99
Para P-14 14-rd. Blue	18733	29.99
Para P-18 17-rd. Blue	18735	29.99
Ruger P-Series 9mm 20-rd. Blue	18737	29.99
S&W 59 17-rd. Blue	18738	26.99
S&W 59 20-rd. Blue	18739	31.99
SIG Sauer 226 18-rd. AFC*	18740	31.99
SIG Sauer 228 15-rd. Blue	18741	26.99
Springfield XD (not XDM) .40 13-rd. AFC*	14991	29.99
Taurus 92-99 17-rd. Blue	18742	29.99

\*AFC = Anti-Friction Coating



# The GLOCK 30S: A Slim, Effective Companion for When You're in the Thick of Danger

**By Gus Cotey, Photos Courtesy GLOCK, Inc.**

GLOCK's G30S (S for slimmer slide) subcompact striker-fired .45 ACP pistol, which was introduced in 2013, is the result of a clever marriage of the best elements of their standard G30 "Subcompact" and the flatter, more compact G36 pistol of the same caliber. The G30 pistol, which first came out in 1996, was designed to be a more concealable version of their excellent, full-size G21 service pistol. The also excellent G30, while of shorter length and lower height than its big brother, still shares its thick slide width which hampers its concealability. Furthermore, both the earlier G30 and G21 frames were too large in their grip areas to accommodate shooters with average size hands. This was later remedied with the introduction of the Gen3 SF (short frame) variants of these weapons.

The Gen4 models of the G30 and G21 also utilize the SF frame dimensions but have a more aggressive frame texture, reversible mag releases, and come supplied with four optional backstrap panels (two plain and two with beavertails) to accommodate shooters with larger hands.

The G36 is with its slimmer slide and frame profiles is a more concealable gun than the G30, but only has a 6+1 ammo capacity with its single-column magazine. In contrast, the G30's ammo capacity is 10+1 with its standard 10-shot staggered-column magazine and 9+1 with optional shorter, flush 9-shot one. Additionally, the G30 is able to accept 13-shot G21 mags. So, with these two models of short .45 ACP handguns, one has to choose between flat, but with low capacity or blocky, but with markedly higher capacity.



It is said that the organization that was the main influencer toward the development of the G30S was the LAPD's elite Special Investigation Section (SIS). This outfit is tasked with very high-risk investigations of the most unsavory of perpetrators, and its detectives often spend weeks on stakeouts where a pistol hidden in an inside waistband (IWB) holster for hours on end can really become uncomfortable.

Because SIS operators have a much higher likelihood of having to employ lethal force than most other officers, the go-to pistol caliber for the SIS is the .45 ACP. The G30S fits the bill here quite nicely in that it has the same 1-inch slide width as the G36 (which is also the same width as the slides on GLOCK's double-stack 9x19mm, .357 SIG, and .40 S&W pistols), and takes the same mags as the G30, whose slide is 1.12 inches wide or nearly 1/8 inch wider. One eighth of an inch may not sound like much, but it is, particularly when prolonged IWB carry is concerned. At 22.75 ounces with an empty 10-round mag in place, the G30S is 3.53 ounces lighter than the G30 (SF or Gen4) and only 0.35 ounces heavier than an unloaded G36 with its 6-round mag inserted. The phrase, "Every ounce counts" certainly applies here. Note that as of this writing, the G30S is only available in with the Gen3 SF frame.

A bit of elaboration on the virtues and vices of the 30S's caliber, the .45 ACP, is indicated at this point. The .45 ACP's best feature is its large bullet diameter and projectile mass. When loaded with the better 220- to 230-grain expanding personal defense bullets, the .45 ACP has the potential to make bigger holes of adequate depth in live targets than smaller calibers utilizing bullets of similar sectional densities and expansion characteristics. All state-of-art personal defense handgun ammo from 9mm Parabellum (9x19mm) on up is loaded with bullets designed to penetrate between 12 and 18 inches of tissue-calibrated 10 percent ordnance gelatin in order to meet the FBI handgun bullet penetration protocol standards. Since the .45 expands to a greater diameter, it crushes a wider wound channel than a smaller caliber as it penetrates which increases the likelihood of damaging strategic anatomical structures in order to achieve the rapid incapacitation of an armed assailant.

In many cases, the difference between success and failure with respect to stopping a threat can be likened to Ian Fleming's comparison of the difference between a good golf shot and a bad one as being the same as the difference between a beautiful woman and a plain one – "...a matter of millimetres."

The .45 ACP, while quite good, is not magical and impacts from it don't pick assailants up and throw them across the room or through the wall or out the window as seen in theatrical portrayals of firefights. Also, one should never count on neutralizing a determined human assailant with just one shot from a .45 ACP (or any other caliber for that matter) any more than one should expect to do likewise with the same armament against a human-size dangerous animal such as a mountain lion, jaguar, leopard, black bear, or wild hog. Additionally, since the .45 ACP generates more recoil than lighter calibers in guns of equal weight, achieving controlled, accurate rapid fire of pistols in this caliber requires more practice in most cases.

The barrel of the G30S, like other .45 ACP pistols of the GLOCK line, features a bore with polygonal 8-groove, RH twist rifling, with a twist rate of 1 turn in 15.75 inches. Its 3.78-inch barrel length accounts for a velocity loss of around 50 fps compared to 4.6-inch G21, which isn't too bad. The barrel of the G30S, which is the same one as used on the G36, has a slimmer exterior profile along both its cylindrical portion and across the flats at the breech end and will not properly fit in the standard G30. Like all other recently produced GLOCK .45 ACP caliber pistols, the G30S has an accessory rail molded into its frame.

All in all, G30S is a solid, cleanly set up, and well thought out pistol whose inherent accuracy is at least as good as the standard G30 models and the full-sized G21's. Its recoil is noteworthy but not unmanageable in properly practiced hands. Few other pistols of its level of lightness and compactness can unleash as many big, fat .45 bullets without reloading. Of course, its reliability is superb as is the

case with other GLOCK models.

The G30S indeed packs a lot of authority in a small package. In a word, in both concept and execution, it's a winner.



**The G30S has  
the same 1-inch  
slide width as  
the G36 and  
takes the same  
mags as the G30.**

# MAGPUL Magazines for GLOCK® Pistols

The PMAG® 15 GL9™, PMAG® 17 GL9™, PMAG® 21 GL9™ and PMAG® 27 GL9™ magazines hold 15, 17, 21 and 27 9mm Parabellum rounds respectively. *Note: Will not accept aftermarket floorplates designed for GLOCK® factory magazines.*

PMAG 15 GL9	20950	\$14.99
PMAG 17 GL9	43287	14.99
PMAG 21 GL9	43399	19.99
PMAG 27 GL9	12096	19.99



## Lone Wolf Distributors Parts for GLOCK® Firearms



### Lone Wolf Distributors' Parts:

Extended Mag Release (Large Frame)	19115	\$4.99
Extended Take-Down Lever	19114	9.99
3.5# Trigger Stop Connector	16501	14.99
3.5# Trigger Stop Connector for G42/43	10111	19.99

### Wolff Spring Co. Parts for GLOCK firearms:

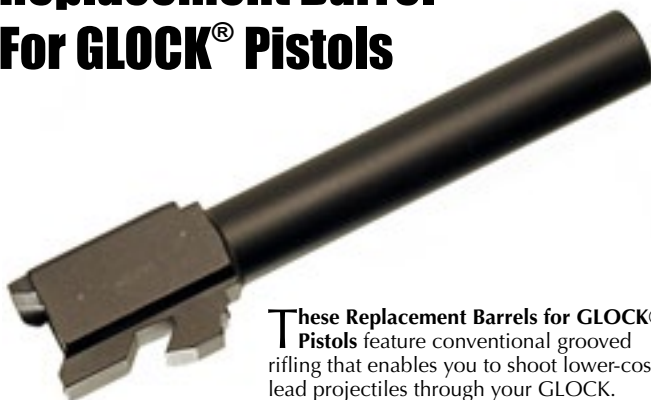
Competition Spring Set	11524	\$9.99
Trigger Return Spring 3-Pack	11818	7.99
X-Tra Power Trigger Rtn. Spr. 3-Pk.	15558	7.99
Guide Rod, GLOCK 17, 22, 31	11356	24.99
Guide Rod, GLOCK 19, 23	11435	24.99
Guide Rod, GLOCK 20, 21	11352	24.99
Recoil Spring, 12#	11420	7.99
Recoil Spring, 14#	11418	7.99
Recoil Spring, 15#	11419	7.99

## SPECIAL PURCHASE! Factory GLOCK® Magazines



GLOCK 17 9mm 17-Round Magazine	15491	\$29.99
GLOCK 19 9mm 15-Round Magazine	15489	29.99
GLOCK 44 .22 LR 10-Round Magazine	11280	29.99

## Replacement Barrel For GLOCK® Pistols



These Replacement Barrels for GLOCK® Pistols feature conventional grooved rifling that enables you to shoot lower-cost lead projectiles through your GLOCK.

GLOCK 17	97511	\$49.99
GLOCK 19	97512	49.99



## UpLULA Pistol Magazine Loader

The UpLULA® loader is a military-grade, pocket-size, universal pistol magazine loader and unloader designed to load and unload virtually all\* 9mm Luger up to .45 ACP single and double stack magazines of all manufacturers. It also loads most .380 ACP single and double-stack mags, and 1911 mags. The UpLULA® loader self-adjusts to the magazine and loads it easily, painlessly, and reliably! *Loads the following mags: Astra, Auto Ordnance, Barak, Beretta, Browning, Bul, Colt, CZ, EAA, FN, Glock, HK, Hi-Point, High Standard, Jericho, Kahr, Kel-Tec, Kimber, Les Baer, Llama, Luger, Magnum Research, Para Ordnance, Phoenix Arms, Ruger, Sigma, Sig/Sauer, S&W, Springfield Armory, Star, Steyr, Taurus, Vector, Walther, and more.*

19239 \$34.99

## The Original GLOCK® Field Knife



Field Knife, Glock, with scabbard, 1 ea.

15483 \$35.99



Three Kimber Rapide pistols are displayed diagonally from top-left to bottom-right. The top pistol is the Rapide, featuring a black frame and a gold-colored slide. The middle pistol is the Rapide Scorpis, featuring a silver frame and a black slide. The bottom pistol is the Rapide Dawn, featuring a silver frame and a gold-colored slide. All three pistols have black textured grips and are shown from a side-on perspective.

**RAPIDE**

**NEW**  
**RAPIDE**  
**SCORPIS**

**NEW**  
**RAPIDE**  
**DAWN**

HEART  
**RACING**

JAW  
**DROPPING**

HARD  
**HITTING**

► **JUST WAIT 'TIL YOU SHOOT ONE.**

If their appearance alone gets your pulse racing, imagine getting your hands on a Rapide 1911. The distinctive grips. TruGlo® TFX® Pro day/night sights. Slide lightening cuts. Custom KimPro® II finishes. DLC- and TiN-coated barrels. Three highly customized models; each with a personality all its own and performance to match. Keep gawking, or find out where to get yours at

[WWW.RAPIDE1911S.COM](http://WWW.RAPIDE1911S.COM)

*Kimber®*

WHAT ALL GUNS SHOULD BE™

# Competitive Edge Dynamics



**CED Reloading Machine Mirror Complete Unit** – With the largest mirror in the industry, it allows easy viewing of BOTH the Case Feeder and the DAA Mr. Bullet Feeder in a single glance. Know exactly when to fill brass or bullets.

13669

\$23.99



**CED Universal Reloading Machine Light** – This custom made, heavy duty, LED light, provides 3 watts of intense lighting, illuminating your entire reloading machine's shellplate. With three light intensity selection levels, and a heavy duty 9" (23cm) long adjustable rubber coated neck, the CED Universal Reloading Machine light shines precisely where you need it. Made with two heavy duty powerful magnets that strongly secure to any metal surface, this universal light is compatible with all Dillon machines (550 needs the strong mount for use).

13694

\$24.99



**CED Solid Brass Squib Rod** – The CED custom-designed Squib Rod is the ideal solution for those unexpected emergencies on the range that would otherwise ruin a perfect practice or match day!

13675

\$19.99



**CED M2 Chronograph** comes with sensors, screens and one two-foot mounting bracket.

CED M2 Chronograph	17926	\$199.99
Infrared Chronograph Upgrade Kit	12116	89.99
Rechargeable Battery Pack for Above	12117	58.99
Tripod	18126	42.99
2-Ft. Skyscreen Mounting Bracket	18120	14.99
Replacement Skyscreens	18124	21.99
Replacement M2 Sensor	18877	36.99

**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.

19208

\$129.99

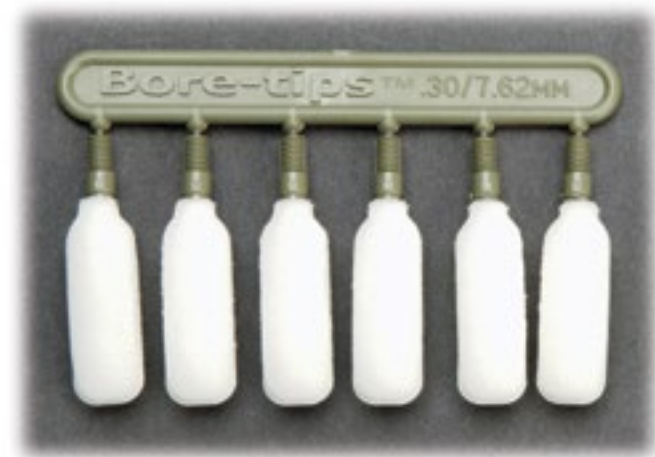


**CED Reloading Machine Covers** – Unlike other reloading machine covers on the market today, the CED machine covers are designed to include the DAA Mr. Bullet Feeders and Autodrives in some cases. Made of a strong nylon material, they include grommets for air circulation, and an ID holder that allows you to place your load details on each machine in use. A D-ring located at the zipper closing allows the cover to be locked, keeping children from places they should not be! Offered in two size ranges, a 650/750 medium cover and the large 1050/1100 model.

650/750 (Medium)	13693	\$39.99
1050/1100 (Large)	12888	39.99



# Swab-its



No s#!+, there I was...in my office, cleaning my revolver when the boss walks in with that "whiskey-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.)	15310	\$6.50
.243/6mm (6 ea.)	15311	6.50
.30/7.62mm (6 ea.)	15312	6.50
.357/9mm (6 ea.)	15313	6.50
.40/10mm (5 ea.)	15314	6.50
.45 Caliber (5 ea.)	15315	6.50



**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.

12583 \$9.99



## Ram Rodz Barrel & Breech Cleaners

.22 Caliber/5.56mm, 300 count	43289	\$13.99
.38 Caliber/9mm, 200 count	43290	13.99
.40 Caliber/10mm, 100 count	43291	13.99
.45 Caliber, 75 count	43292	13.99



## SPECIAL PURCHASE!

**Outers® Barrel Badger**, by the makers of Bore Snake, is a quick bore-cleaning system that you can use dry or with other gun cleaning products to make gun maintenance easy.

.30 Cal./7.62mm	16899	\$4.99
9mm/.38/.357 Cal.	16900	4.99
.44/.45 Cal.	16903	4.99



For more than 100 years, consumers have trusted Ballistol to lubricate, penetrate, clean, protect, and preserve their firearms, leather gear, wood, metal surfaces, and more. With an astonishingly wide range of applications, this environmentally friendly multi-purpose oil has become an essential tool for shooters, hunters, fishermen, and handymen all over the world.

1.5 oz. Aerosol Can	30147	\$5.99
6 oz. Aerosol Can (pictured)	30145	11.99
16 fl. oz. Non-aerosol Can	30146	19.99

## TUFF Products 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.

15773 \$29.99

## 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)	19854	\$49.99
Brown 8-Magazine Single-Stack (1911)	19855	49.99
Black 5-Mag. Double-Stack (9/.40 GLOCK)	19856	49.99
Brown 5-Mag. Double-Stack (9/.40 GLOCK)	19857	49.99



# Real Avid Gun Tools & Cleaning Gear



Smart Mats™ are cleaning mats on steroids. The no-slip backed padded mat features an oil-resistant surface. It allows you to properly clean your gun without ruining the kitchen table and is large enough to handle field-stripped guns. The ingenious magnetic parts tray ensures your pins, screws and springs are never lost again. This is real world gun cleaning taken to the next level.

AR-15 Smart Mat  
1911 Smart Mat  
Handgun Smart Mat

<b>29041</b>	<b>\$24.99</b>
<b>29040</b>	<b>19.99</b>
<b>29042</b>	<b>19.99</b>



The Master Bench Block™ is the most comprehensive AR15 bench block ever! It allows you to tap 13 critical pins from 5 different components. The block is wrapped in an over-molding that grips to your bench to prevent slippage.

**29033** **\$39.99**



The 1911 Smart Wrench's ergonomic design fits comfortably in your hand while you remove the barrel bushing, and the strategically placed cavity catches the spring. Removes the barrel bushing from the Officer's and Government model 1911s.

**11656** **\$12.99**



The Chamber Boss –AR15™ All-In-One AR15 Chamber Cleaning Kit. Every tool you need to easily eliminate baked-on carbon from the AR15 chamber.

**21778** **\$29.99**



Installing a pivot pin is a small step that can quickly become a giant pain in the neck. Meet the AR15 Pivot Pin Tool – the one tool guaranteed to take the nail biting, pin-launching task of installing a pivot pin and turn it into something you might actually look forward to. Align the guide, insert the spring and detent pin, slide the pivot pin into place. Click. Snap. Done.

**29034** **\$11.99**



Carbon Boss™ – AR15. This is the most comprehensive carbon removal multi-tool ever built. Extremely versatile, it has 12 precision surfaces to clean the most critical parts of your bolt, bolt carrier, cam pin, and firing pin. It's the enemy of your AR15's worst enemy.

**29039** **\$34.99**

The unique Accu-Grip™ Picks and Brushes get the job done, feel good in your hand, and won't scratch your firearm. Eight profiles dig gunk out of the places that even the sun don't shine. They're tough on the crud but tender on the metal. A better designed, better built detailing kit that just might make your dentist jealous.



**29036** **\$11.99**

The AR15 Brush Combo™ contains the critical components you need to keep your AR15 chamber and bore carbon free. It contains a star chamber brush and star chamber mop for cleaning inside the hard to reach star chamber. Star chamber pads help collect left-over carbon while applying the perfect amount of oil or solvent. The .223/.56mm bore brush scrubs baked on carbon from lands and grooves.



**29037** **\$9.99**

There's no easy way to scrape carbon out of the star chamber of an AR15 unless you're a surgeon. That's why you use a star chamber brush to loosen the carbon then remove it with these star chamber cleaning pads. Done deal. Now get back to shooting. 20 wool chamber pads per package.



**29038** **\$12.99**





# Real Avid Gun-Cleaning Chemicals



## BORE-MAX™ BORE FOAM

Powerful gun-metal grade foaming solvent is specially formulated to expand and penetrate within the gun bore, rapidly and effectively dissolving performance inhibiting copper and powder fouling.

12oz. can Bore-Max **40215** **\$13.99**

## FOUL-OUT™ GUNK BLASTER

Foul-Out Gunk Blaster blows away grease and grime fast. This powerful gun-metal grade solvent quickly strips gun actions of burnt powder, oil and grease, eliminating malfunctions of moving parts due to fouling and build up. Quickly cleans chambers, actions, trigger groups, bolt groups, slides, choke tube threading, semi-auto gas ports, extractors, ejectors and other hard to reach areas.

12oz. can Foul-Out **40216** **\$13.99**

## GUN-MAX™ GUN OIL

Gun-Max's advanced gun-metal grade formula sets a new standard for protecting, lubricating and cleaning modern guns. Powerful inhibitors displace moisture delivering extended corrosion protection. Advanced anti-friction additives bond to metal surfaces for longer lasting lubrication of moving metal parts. Maximizes performance of semi-auto guns with high cycle rates. Formulated to excel in sub-zero temperatures and harsh operating conditions.

12oz can Gun-Max **40214** **\$13.99**



## Real Avid VIZ-MAX™ Bore Sighter



### THE FAST, EASY WAY TO ACCURATELY BORE SIGHT YOUR RIFLE.

Viz-Max™ is a revolutionary, yet uncomplicated, next generation V instrument. No more fumbling with extra pieces and underpowered lasers to find your mark. Housed in the rugged and protective exoskeleton is a precision machined, factory calibrated laser. The laser projects a powerful green dot providing maximum visibility and quick acquisition. The bore attachment is fast and easy with the hold-fast neodymium magnet.

**10134** **\$129.99**



## Real Avid Smart TORQ™



The most precise and technically advanced torque driver for guns. Specifically developed for optics mounting and gun builds. Discrete inch-pound-increment settings provide spot-on torque adjustments. Comfortable ergonomic grip with Force Assist makes tool manipulation a breeze. The functionally intuitive torque setting with visual, tactile and audible feedback provides confident assurance. To get you started, Smart Torq comes with 12 of the most commonly used gun bits. Never over-torque a scope ring again!

**21776** **\$79.99**



# Real Avid MASTER GUN VISE™

## MULTI-AXIS BENCH-MOUNT VISE WITH TORQ-LOK™

One vise to rule them all. The first real bench vise made exclusively for guns and gun tools. Whether you're building and customizing, repairing and cleaning or mounting scopes and accessories, this vise improves every part of the GUN DIY® experience. Quickly reposition your gun to any orientation without ever removing it from the vise. Insert the Torq-Lok pin for applying heavy force. Use the removable and reversible Gun-Fit jaw sleeves (*not pictured*) for a specific gun grip or turn the leveling knob for simple scope mounting and leveling. Build. Customize. Repair. Mount. Clean. All hail the King....

10135

\$299.99



## Real Avid AR15 Bolt Catch Pin Starter & Pin Punch Set



Two punches, one simple solution to the difficult-to-access bolt catch retaining pin. The orientation of the pin, close proximity to the lower receiver, distance required to safely punch a pin, and the difficulty in getting the pin started makes it a real pain with standard punches. Our simple solution is specially designed to fit flush against the receiver without damaging it, and is long enough to reach the pin. It features a roll pin punch for removing pins and a magnetized roll pin starter punch that eliminates the need for a third hand. Smart, simple, frustration free.

66053

\$14.99

## Real Avid LUG-LOK® Upper Vise Block



Real Avid designed an upper block that leverages the strongest part of the gun – the barrel lugs inside the star chamber. The Lug-Lok is precision machined and precisely fits into all Mil-Spec uppers. It mates perfectly with the barrel lugs, while allowing you to rotate the upper to be able to work on different sides. The Lug-Lok is the safest, easiest and smartest way to lock down an AR15 or AR10 upper into a bench vise.

AR-15 (*pictured above*)  
AR-10

29035  
10137

\$79.99  
119.99



# Real Avid Level-Right™ PRO



A level reticle is critical to long-range accuracy. For longer shots a canted reticle will pull or push a bullet's trajectory off of vertical center. It gets worse the more the distance increases. A level scope means that the reticle will be perfectly aligned with the rifle bore. Balancing small levels on a scope turret and gun receivers has been a commonly accepted

practice for years. Not only is this a clumsy process, it's wrong. The turret on most scopes is not perfectly aligned with the reticle, so even if your turret is level to the gun, your scope may not be. Level-Right PRO simplifies scope alignment in four easy steps. Accurate and intuitive, this instrument quickly aligns the actual scope reticle to the horizontal gun plane, which is key to the long-range accuracy of your rifle. Level-Right PRO helps you quickly and confidently mount a scope for maximum accuracy.

Level-Right PRO

21777

\$69.99





# Real Avid ARMORER'S MASTER KIT™



This kit of Master Grade Tools and how-to information equips you to confidently tackle everything from building your own gun from the ground up to customizing or modifying an existing gun. With better tolerances, materials and expanded capability, every tool is carefully designed to make each job as simple and easy to execute as possible. Housed in a professional tool case and equipped with step-by-step instructions, you will be able to work smarter and create better guns regardless of your experience level.

31401 \$279.99



## ARMORER'S MASTER WRENCH™



The Real Avid Armorer's Master Wrench features best-in-class strength, precision fitment and ergonomic intelligence. Wrenches seat squarely for a no-slip fit on stubborn barrel nuts, castle nuts, muzzle brakes, or fixed stock receiver extensions. Industry first torque wrench attachment location is optimally positioned to provide consistent torque for all nuts. As a bonus, interchangeable hammer heads make the Armorer's Master Wrench a "Master" hammer as well! This is the right tool for the job... and for you.

31402 \$79.99



## BORE BOSS®

The single piece Dual Action Cable with integrated phosphor bronze brush and braided mop wraps around the unique Flex-Case Handle to keep the system stowed and organized. To use, simply flip, feed, clip and pull. Throw it in your pack, or put it in your pocket. It's the next best thing to a self-cleaning gun.

Bore Boss .17 Caliber	31406	\$9.99
Bore Boss .22 Caliber	31407	9.99
Bore Boss .38/.357/9mm Caliber	31412	9.99
Bore Boss .40/.41/10mm Caliber	31413	9.99
Bore Boss .44/.45 Caliber	31414	9.99
Bore Boss .223/5.56 Caliber	31408	9.99
Bore Boss .243/.260/6.5 Caliber	31409	9.99
Bore Boss .308/7.62 Caliber	31410	9.99
Bore Boss 9mm Carbine Caliber	31411	9.99
Bore Boss 20 Gauge	31415	9.99
Bore Boss 12 Gauge	31416	9.99

## AR15 FRONT SIGHT ADJUSTER TOOL



This smartly designed tool makes front sight adjustments quick and easy. The stainless steel shaft is knurled to create no-slip leverage when turning tight posts. It works on both A1 & A2 front sights and the compact design won't clutter up your bag.

31403 \$9.99

## THE AR15 SCRAPER™



### PRECISION, MULTI-FUNCTION CLEANING TOOL FOR AR15 BOLT CARRIER GROUPS

A dirty bolt carrier group (BCG) is the number one cause of AR15 malfunctions. Carbon is the enemy and it quickly builds up in hard-to-clean areas. This precision-made tool gives you the power to easily demolish carbon from 12 surfaces on the bolt carrier, bolt, bolt cam pin and firing pin. Clean it fast, clean it right.

31404 \$19.99

## THE AR10 SCRAPER™



### PRECISION, MULTI-FUNCTION CLEANING TOOL FOR AR10 BOLT CARRIER GROUPS

A dirty bolt carrier group (BCG) is the number one cause of AR10 malfunctions. Carbon is the enemy and it quickly builds up in hard-to-clean areas. This precision-made tool gives you the power to easily demolish carbon from 11 surfaces on the bolt carrier, bolt, bolt cam pin and firing pin. Clean it fast, clean it right.

31405 \$19.99

# Slip 2000 Products

## 725 Gun Cleaner Degreaser

should truly be called Super Degreaser. This water-based cleaner will cut through the toughest cosmoline, carbon, grease and grime! Its super strength allows it to degum and degunk the dirtiest of gun parts when sprayed on or used in parts washers or solvent tanks! **NOTE:** To help prevent rusting, users must apply a gun lubricant immediately after cleaning to disperse any moisture in parts.

16 Oz. 19237 \$24.00



## Slip 2000 Carbon Killer

provides you with a safe, effective way to clean carbon, lead and plastic wad fouling. Unlike other gun cleaners, this product is non-flammable, non-hazardous and biodegradable. Designed for soaking metal parts with baked on carbon, Carbon Killer dissolves carbon and lead on contact. **NOTE:** Carbon Killer is for cleaning internal metal gun parts with baked on carbon by soaking them. It is an aggressive cleaner and should not be used to clean the outside of your gun. It can damage and even remove some finishes.

15 Oz. 19234 \$24.00



Slip 2000's **Extreme Cleaning System** contains 2 Oz. bottles of: Carbon Killer Bore Cleaner, 725 Gun Cleaner Degreaser, and EWL Extreme Weapons Lubricant.

11652 \$28.00



Slip 2000's **AR Cleaning System** contains a 7 Oz. bottle of Carbon Killer Bore Cleaner, a 15cc syringe of Extreme Weapons Grease, and a 1 Oz. bottle of EWL Extreme Weapons Lubricant.

11676 \$22.00

Slip 2000 **Extreme Weapons Lubricant** (EWL) was designed for use on chain guns and machine guns like the MP5 and the 249SAW. It contains a proprietary Anti-wear agent that reduces friction and wear by 90-95 percent. It is an excellent CLP and is able to clean, lubricate and protect.

4 Oz. 11644 \$21.00



Slip 2000 **EWL30** has the same properties as EWL, except it is a lot thicker. It contains a proprietary thickening agent that makes this lubricant consistency like a 30-weight motor oil. It was designed for those who want or need a lubricant that will not migrate at all and don't want to use a thick grease.

4 Oz. 11645 \$24.00



Slip 2000 **Copper Cutter** is specially formulated to remove copper, lead, powder residue and plastic wad fouling from bore surfaces with little scrubbing! **NOTE:** It is a water based, ammonia enhanced product and will remove all lubrication or oil protection, so always re-lube all parts cleaned.

4 Oz. 11646 \$14.00



Each Slip 2000 **Gun Wipe** packet contains one 5" x 8" wipe treated with Slip 2000 Synthetic Gun Lube. Perfect for wiping your guns down after a day on the range or while out on a hunt. Apply to all metal surfaces. Great for light carbon cleaning. Safe for all firearm stocks and grips.

20 Pack 11674 \$17.00



## MIL-COMM Extreme Performance Lubricants



**TW-25B** 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  
1.5 Ounces

15732  
15731

\$14.99  
18.99



**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  
Slide-Glide Lite

15571  
15572

\$7.99  
7.99



## Sweet's 7.62

**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.

13128

\$12.99



# J. Dewey Manufacturing Co.



## DEWEY Nylon Coated Cleaning Rods

All Caliber Pistol 6"	15461	\$24.99
(.22-.26 Jag Adapter for All Caliber 6" rod <sup>^</sup> )	19894	3.99
(.27 & up Adapter for All Caliber 6" rod <sup>^</sup> )	19895	3.99
.22-.26 Caliber Pistol 12"	12985	28.99
.17 Caliber Rifle 26"	11472	30.99
.17 Caliber Rifle 36"	11473	31.99
.22-.26 Caliber Rifle 36"	13084	31.99
.22-.26 Caliber Rifle 44"	15462	31.99
(.22-.26 Jag Adapter for Rifle rod <sup>^</sup> )	14542	3.99
.27 Caliber and up Pistol 12"	13021	28.99
.27 Caliber and up Rifle 36"	12991	31.99
.27 Caliber and up Rifle 44"	15463	31.99
.35 Caliber and up Rifle 36"	17096	33.99
.35 Caliber and up Rifle 44"	17097	33.99
(.27 & up Adapter for Rifle rod <sup>^</sup> )	14541	3.99
Shotgun Rod (Uncoated Brass <sup>^</sup> )	10473	30.99
2-pc Shotgun Rod	15464	36.99

## Brass Jags<sup>^</sup> (Note: These jags ONLY fit Dewey Cleaning Rods!)

.22 Caliber Brass Jag	10026	\$3.99
.24 Caliber Brass Jag	10027	3.99
.27 Caliber Brass Jag	10025	3.99
.30 Caliber (and up) Brass Jag	10867	3.99
.38 - .41 Cal. Brass Jag	10028	3.99
.44 - .45 Cal. Brass Jag	10243	3.99

## Brass Patch Loop<sup>^</sup>

Accepts most pistol and rifle patches	10737	\$2.99
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## .17 Caliber Bore Brushes

.17 Caliber Rifle/Nylon (ea.)	11475	\$2.99
.17 Caliber Rifle/Bronze (ea.)	11474	2.99

## Nylon Bore Brushes<sup>^</sup>

.22 Caliber Rifle (ea.)	16144	\$2.99
.243 Caliber Rifle (ea.)	16145	2.99
.270 Caliber Rifle (ea.)	16146	2.99
.30 Caliber Rifle (ea.)	16147	2.99
.22 Caliber Pistol (ea.)	16302	2.99
.38 Caliber Pistol (ea.)	16148	2.99
.40 Caliber Pistol (ea.)	16149	2.99
.45 Caliber Pistol (ea.)	16150	2.99

## Bronze Bore Brushes<sup>^</sup>

Each/\$2.99 5 pack/\$10.99

.22 Caliber Rifle	16278	22089
.25 Caliber Rifle	16293	22094
.243 Caliber Rifle	16280	22091
.270 Caliber Rifle	16274	22085
.30 Caliber-.7.62mm Rifle	16273	22084
.35 Caliber Rifle	16281	22092
.44-.45 Caliber Rifle	16279	22090
.22 Caliber Pistol	16282	22093
.38 Caliber-.9mm Pistol	16275	22086
.40-.41 Caliber-10mm Pistol	16276	22087
.44-.45 Caliber Pistol	16277	22088

## Cotton Mops<sup>^</sup>

.22-.27 Caliber (ea.)	17089	\$2.99
.30-.38 Caliber (ea.)	17090	2.99
.400-.450 Caliber (ea.)	17091	2.99
16, 12 & 10 Ga. Shotgun (ea.)	17094	2.99

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

Breech Rod Guide	10149	\$22.99
AR-15 Chamber Cleaning Brush	11299	3.99
AR-10 Chamber Cleaning Brush	11297	4.99

## Deluxe M-16/AR-15 Lug Recess Cleaning Kit<sup>^</sup>

Lug Recess Cleaning Kit	18533	\$32.99
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*Includes: Chamber Cleaning Rod, Lug Recess Cleaning Head, Delrin Guide Sleeve, 50-pak Cotton Cleaning Rolls, Chamber Brush, Chamber Mop, and a Double-Ended Nylon Cleaning Brush.*

## Bolt Action Rifle Cleaning Rod Guides<sup>^</sup>

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

.17-.222, .225, .22/250, .220 Swift	14196	\$21.99
.243 Caliber - 7mm	14197	21.99
.30 Caliber	14198	21.99
.338 Caliber	14199	24.99

## Muzzle Guards

AR-15/M-16	16875	\$11.99
M1-A/M-14	16876	11.99
M1 Garand	16878	11.99
Ruger 10-22 Standard Bbl.	16877	11.99
Ruger 10-22 Bull Barrel	16879	11.99
Brass Muzzle Guard, .30 Cal. <sup>^</sup>	17245	6.99

## Nylon Gun Parts Cleaning Brush

Parts cleaning brush	16389	\$2.99
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## Cleaning Patches

Packages of 1000

.17 cal.	11807	\$12.99
.22-.24	11808	14.99

Packages of 500

.24-.27	11809	\$11.99
.30-.35	11810	13.99

Packages of 250

.38-.45	11811	\$11.99
12-16 ga.	11812	13.99



Dewey's AR-Link Cleaning Pin<sup>^</sup> 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.

18599 \$15.99



The Original M1 Buddy<sup>®</sup> Service Rifle Cleaning Port fits all models of M1 Garand and M1A rifles. The Original M1 Buddy is covered by a lifetime warranty and will be replaced free of charge if it fails under normal use.

13447 \$12.99



The Original Carbine Buddy Cleaning Port enables you to clean your M1 Carbine chamber without worrying about pinching your fingers. The Original Carbine Buddy is covered by a lifetime warranty and will be replaced free of charge if it fails under normal use.

13452 \$13.99



Lyman's Pick & Brush Set<sup>^</sup> is an indispensable item for your cleaning supplies and range bag.

40160 \$4.99

# Grace USA Gun Care Tool Set



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<sup>^</sup> **10680** **\$149.99**



Grace USA Gunsmith Hammer and Punch Sets<sup>^</sup>  
 8 oz. Brass Hammer **14969** **\$25.99**  
 16 oz. Brass Hammer **15069** **\$34.99**  
 Brass Punches (8-pc.) **14968** **\$43.99**  
 Steel Punches (7-pc.) **15070** **\$41.99**



## Dial Caliper<sup>^</sup>

This dial caliper is made of hardened stainless steel and features a covered track that keeps chips out for longer life. The measuring faces are hardened, ground and lapped. The large, adjustable dial is easily read to .001 inch and measures .100 per revolution. Features a no-glare satin chrome finish.

**13462** **\$29.99**



## Digital Caliper<sup>^</sup>

Accurate, Easy to Read!

**17171** **\$39.99**

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.

**15305** **\$44.99**



# 10-8 Performance Armorer Tool



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.

**15434** **\$9.99**

# Bondhus Hex Key Set



Bondhus BallDriver Tip Hex Key Long Arm L-Wrench Set. Includes 10 pieces with ProGuard Finish. Packaged in Bondhex Color Coded Case. Sizes: 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, and 1/4 inch.

**13286** **\$12.99**



# Sack-Ups Protective Gun Sacks

Sack-Ups Protective Gun Sacks protect your firearms from the dings and scratches that tend to happen when you're rifling through your gun safe looking for...well...your rifle. They don't take up as much room as a gun case, but provide just enough padding to keep your guns safe...in your gun safe.



Handgun, 13.5" Gray	17249	\$9.99
Handgun, 13.5" Black	17250	9.99
Handgun, 13.5" Natural	17252	9.99
Shotgun, 42" Black	17253	14.99
Rifle/Shotgun, 52" Gray	17247	11.99
Rifle/Shotgun, 52" Black	17248	15.99
Rifle/Shotgun, 52" Natural	17251	11.99
Muzzleloader, 72" Gray	17254	14.99
Shotgun Rcvr., 24" Gray	17257	11.99
Shotgun Bbl., 36" Gray	17256	11.99

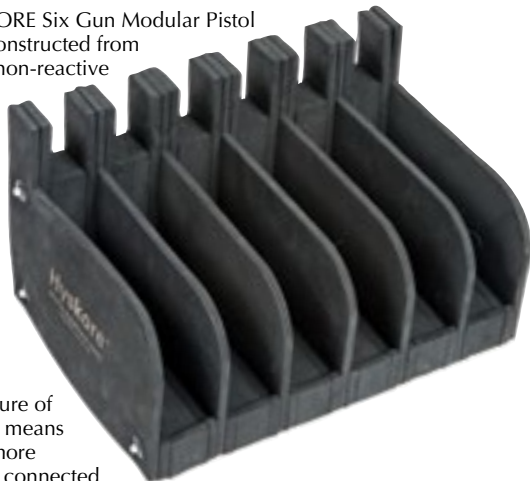
## DESI PAK®

These 532 gram **DESI PAK®** desiccants absorb moisture better than silica gel. It's an industrial-grade material that exceeds the requirements of Mil Spec MIL-D-3464E. Now available in smaller packages for other applications (ammo cans, long-term storage containers, etc.). DESI PAK® (2 16-ounce bags, 1 card) 21435 \$16.99  
4-ounce bag 14694 4.99  
2-ounce bag 14695 2.99  
Humidity Indicator Card, (6 ea.) 21523 4.99



## HYSCORE Six-Gun Pistol Rack

The HYSKORE Six Gun Modular Pistol Rack is constructed from closed-cell, non-reactive foam that will not absorb moisture or react with lubricants or solvents. It has a soft, suede-like finish, but is rigid enough to offer firm support. The modular feature of the rack also means that two or more racks can be connected together and reconfigured to take maximum advantage of all available space in your safe or vault. The rack measures 11-1/4" wide x 7-1/2" deep x 6" high.



10208 \$24.99

**Dillon**PRECISION



6" x 1" Dillon Logo Sticker	96668	\$2.50
6" x 2.5" Dillon Logo Sticker	96666	4.00



## Evolution Gun Works USPSA Mag Gauge

EGW is the official manufacturer of the USPSA magazine length gauge to be used at all major matches and tournaments.

CNC machined out of 6061 aircraft grade aluminum, the gauge is then anodized black. It measures both 140mm (141.25mm) and 170mm (171.25mm) length magazines.

11657 \$35.00

## Bushmaster AR10 Charging Handle



Bushmaster AR10 Charging Handles for your AR10 build. High-quality, yet low cost; a special purchase enables us to offer these for a limited time!

97516 \$29.99

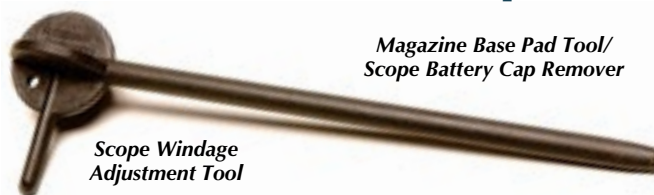
## Genuine SIG SAUER

SIG Sauer reduced-angle grip for AR15s.

97517 \$19.99



## 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.

15250 \$14.99

# "Big Fifty" <sup>^</sup>

## STANDARD FEATURES:

- Made in the USA
- 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...  
**\$1949<sup>00</sup>**  
**50000**

Now Available!

.408 CheyTac Conversion 50204 \$240.00  
 (Dies NOT Included)



Total price as pictured here with optional accessories: **\$3741.00**  
 .50 BMG Carbide Size Die 50075 \$1175.00  
 .50 BMG Case Trimmer 50050 \$599.00  
 BFR Mounting Hardware Kit 50140 \$18.00

### 50 BMG CASE TRIMMER ASSEMBLY <sup>^</sup>

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. 50050 \$599.00

### 50 BMG CARBIDE SIZE DIE <sup>^</sup>

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. 50075 \$1175.00

### 50 BMG POWDER MEASURE ADAPTER <sup>^</sup>

For use with the RCBS .50 BMG powder measure. 50125 \$145.00

### 50 BMG PRIMER SEATING DIE <sup>^</sup>

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. 50200 \$250.00

### 50 BMG PRIMER POCKET SWAGER <sup>^</sup>

Makes it easy to remove the military crimp. 50001 \$499.00

### PRIMING CONVERSION <sup>^</sup>

Converts Swager to Priming System. 50003 \$135.00

### 50 BMG PRIMING SYSTEM <sup>^</sup>

Allows off-the-machine primer seating. 50002 \$499.00

### (1) SWAGER CONVERSION <sup>^</sup>

Converts Priming System to Swager. 50004 \$145.00

### RCBS .50 BMG LOADING ACCESSORIES <sup>^</sup>

.50 BMG Powder Measure 21896 \$129.99

# SL900 <sup>^</sup>

## STANDARD FEATURES:

- Made in the USA
- 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...  
**\$1675<sup>00</sup>**  
**\$2055.00 with Casefeeder**



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

Total price as pictured here with optional accessories: **\$2110.00**  
 12 Gauge Casefeeder (pictured) 97037 \$380.00  
 20/28 Gauge Casefeeder 97036 \$380.00  
 Low Powder Sensor 16306 \$55.00

### SL900 CONVERSIONS <sup>^</sup>

12 Gauge Conversion	20009	\$625.00
12 Gauge Casefeed Plate	17811	87.00
20 Gauge Conversion	22138	625.00
28 Gauge Conversion	22139	625.00
20/28 Gauge Casefeed Plate	97045	87.00
SL900 Powder System	17817	130.00

### SL900 MACHINE COVER <sup>^</sup>

This heavy-duty nylon cover comes equipped with a D-ring, allowing the zipper to be locked. 13239 \$39.99  
 Master lock 13083 \$6.99

### SPARE PARTS KIT <sup>^</sup>

1 20 Gauge Yellow Wad Guide	1 Pawl Spring
1 28 Gauge Green Wad Guide	1 Ejector Wire
1 20 Gauge Locator Pin	1 Plastic Wad Guide
1 Index Pawl	1 Swing Arm Torsion Spring
1 Ring Indexer	1 Primer Transfer Arm
1 Index Spring Revision A	1 12 Gauge Locator Pin
1 Hair Pin Cotter	1 Gum Rubber Insert Revision B
2 Bellcrank Cubes	1 Shot Fitting E-Clip
1 Case Insert Slide Spring	1 Failsafe Bushing Revision B
	11154 \$84.00



# Our Pride, Your Sleeve



## Dillon Logo/Rifle, Black Long Sleeve

Large	43456	\$21.99
X-Large	43450	21.99
2X-Large	43451	22.99



## Dillon/Precision Logo, Black

Small	43411	\$19.99
Medium	43412	19.99
Large	43413	19.99
X-Large	43414	19.99
XX-Large	43415	20.99
XXX-Large	43416	21.99

## Dillon/Precision Logo, Charcoal

Small	43418	\$19.99
Medium	43419	19.99
Large	43420	19.99
X-Large	43421	19.99
XX-Large	43422	20.99
XXX-Large	43423	21.99



## Dillon Logo/Rifle, Charcoal

Small	43430	\$19.99
Medium	43431	19.99
Large	43432	19.99
X-Large	43433	19.99
XX-Large	43434	20.99
XXX-Large	43435	21.99

# You Can Wear the "Dillon" Brand!



These shirts are made of 6.1 ounce  
100% soft-spun cotton.

## Long-Sleeve Dillon Precision T-Shirt

Navy, Large	18507	\$19.99
Navy, XL	18508	19.99
Navy, XXL	18509	20.99
Navy, XXXL	18510	22.99
Gray, Large	18523	19.99
Gray, XL	18524	19.99
Gray, XXL	18525	20.99
Gray, XXXL	18526	22.99
Black, Large	18515	19.99
Black, XL	18516	19.99
Black, XXL	18517	20.99
Black, XXXL	18518	22.99

## Short-Sleeve Dillon Precision T-Shirt

Navy, L	18511	\$12.50
Navy, XL	18512	12.50
Navy, XXL	18513	14.50
Navy, XXXL	18514	14.50
Gray, Large	18527	12.50
Gray, XL	18528	12.50
Gray, XXL	18529	14.50
Gray, XXXL	18530	14.50
Black, Large	18519	12.50
Black, XL	18520	12.50
Black, XXL	18521	14.50
Black, XXXL	18522	14.50

## Dillon Precision Logo Cap

11319  
\$11.99



## DP Box Logo Caps

The NEW DP Box Logo on the One and Only Original Flexfit® cap – the original stretchable fitted cap featuring the Flexfit technology. With polyurethane woven into the sweatband, this all-purpose hat delivers the perfect blend of comfort and style for sports and casual wear.

Navy Small/Medium Flexfit Cap	43455	\$22.99
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Black Small/Medium Flexfit Cap	43454	22.99
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Shooters who compete in several disciplines can now use one target to practice USPSA, IDPA and ICORE or train with various dot-torture and bullseye arrays. The National Target Company, Inc. is offering the Justified Defensive Concepts, LLC Multi-Use Training Target. Sized 22.5" x 35" on lightweight paper, this target's versatility is almost unparalleled for handgun, pistol-caliber carbine and rifle training or practice. It comes in a package of 50 targets and just might be the ONLY target you'll need for your shooting session.

11713 \$19.99

# TCRT

## Advanced Ballistic and Engineered Solutions

TCRT targets are made of Linagard® Ballistics FR™ rubber, a purpose designed ballistic rubber.

The TCRT targets can be shot with solid pistol, rifle and shotgun ammunition – from .177 to 00 buckshot.

- Safe for indoor and outdoor use
- Self-healing – Extreme stretch of over 833%
- Can be painted to further highlight hits
- Will withstand very high shot count before requiring repair
- UV and ozone stable

### TCRT Targets

4" White Ballistic Rubber Target	19192	\$20.00
6" White Ballistic Rubber Target	19193	28.00
8" White Ballistic Rubber Target	19194	36.00



# The National Target Company, Inc.



### Pistol Targets: 100 per package

NRA Paper D-1 "Tombstone" Target 23"x35"	18388	\$70.00
IDPA Paper Practice Target 22"x34"	15735	39.99
USPSA/IPSC Paper Practice Target 22"x35"	15836	39.99
50 Foot TIMED/RAPID FIRE 10.5"x12"	15832	12.99
Competition 50 Foot SLOW FIRE 10.5"x12"	15831	12.99
Competition 25 Yard SLOW FIRE 10.5"x12"	13096	12.99
High Visibility Green 25 Yard SLOW FIRE 10.5"x12"	66703	13.99
Police B-34 (Silhouette) 25 Yard 14"x24"	13163	17.99
B-34 High Visibility Green 25 Yard 14"x24"	66704	20.99
Police BH-21 (Silhouette) 25 Yd. 22.5"x35"	10094	39.99
Competition 25 Yard RAPID FIRE 21"x24"	12839	25.99
Competition 50 Yard SLOW FIRE 21"x24"	10041	25.99
Police B-27 (Silhouette) 50 Yard 22.5"x35"	10670	39.99

### Rifle Targets: 100 per package

Small Bore Rifle 100 Yard 14"x14"	12430	\$11.99
High Power 200 Yd. 21"x24" (600 Yd. reduced)	12650	47.99
ST-4 100 Yd. Precision Rifle Target 15"x17"	13679	16.99

### Replacement Center 100 per package

Pistol 25 Yard B8P Repair Center 10.5"x10.5"	12676	\$7.99
200 Yard Rifle Repair Center 12.75"x12.75"	15830	20.99

### Target Pasters

Black, Self-Adhesive, 500 ea.	16304	\$3.99
Buff, Self-Adhesive, 500 ea.	16309	3.99
Brown, Self-Adhesive, 500 ea.	16310	3.99
White, Self-Adhesive, 500 ea.	16313	3.99
Orange, Self-Adhesive, 500 ea.	16327	3.99

# PROTEKTOR MODEL

A.



B.



C.



All Protektor Model leather bags are made with the best top grain cowhide available.

A. Owl Ear Front Bag	10880	\$23.99
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C. Rear Bag	10882	33.99

# John Marshall on Classic Firearms: The Ruger Mini-14 Rifle



**Mini-14 Ranch Rifle**



**Original Mini-14**

In 1967, Bill Ruger, president of Sturm, Ruger & Company, collaborated with Leroy James “Jim” Sullivan to start designing a new center-fire semiautomatic rifle. Bill Ruger is undoubtedly familiar to you, as he famously steered his company from its very humble beginnings in 1949 to rise and become a firearms manufacturing powerhouse. Jim Sullivan is not as well known, but he was one of the designers at ArmaLite who conceived and designed the original AR-15 which eventually became the U.S. M16 rifle.

Ruger’s concept was to essentially scale down the U.S. M14 service rifle to use the .223 Remington cartridge and market it primarily for self-protection, law enforcement, hunting, pest elimination and informal target use. That project took six years, and the rifle was introduced as the Ruger Mini-14 in 1973. Production began in 1974.

The new Mini-14 weighed 6.39 pounds unloaded. It had a wooden stock, a wooden handguard and adjustable iron peep sights. It could accommodate a 5-round magazine or an optional 20-rounder. The barrel had a right-hand twist rate of 1 revolution in 12 inches. In the current guns the twist rate is 1:9. Its effective range is about 200 yards. It’s not recommended to fire 5.56mm ammo in the very early guns which were suited primarily for .223 cartridges with a shorter leade in the barrel. Later Mini-14s could accommodate either cartridge. The overall length was 37.25 inches with a barrel length of 18.5 inches. Muzzle velocity of the .223 round is about 3,240 feet per second.

While at first glance the action of the Mini-14 mimics that of the M14 rifle with a two-lug rotating bolt actuated by a cam in the rear of an operating rod, there are several



**Mini-14 AC566**

differences. The M14 uses a short-stroke gas piston to strike a larger section of the operating rod, driving it rearward. The Mini-14 has a fixed gas block attached to the barrel with four bolts. This block anchors a stationary gas tube around which a cylindrical cavity in the operating rod slides back and forth. Gas is vented from the barrel into the gas tube, forcing the operating rod to move back and cam the rotating bolt open. As it moves back, a fixed blade-type ejector is slid over by the slotted bolt, kicking out an empty case that has been held to the bolt face by a spring-loaded extractor in the bolt. Unburned powder particles are vented into a steel liner in the stock’s fore-end. When the operating rod moves back, it compresses a recoil spring. The rod moves about 1/2 inch before the bolt starts to unlock, allowing the bullet to exit the barrel and the pressure in the barrel to drop. Then the recoil spring takes over and pushes the operating rod forward, taking the bolt with it to rotate back into battery. The barrel is threaded tightly into the receiver. Many of the parts are cast – requiring little or no final machining to use.

Magazines are not interchangeable with those used in the AR-15/M16 rifles. They work like the ones on the M14, hooking in at an angle, and then rocking in until they engage with a “click.” A projection on the ejector works as a bolt hold-open. It’s engaged by pressing a button on top of the receiver’s left side when no magazine is in the rifle. If a magazine is in place, a tab on the follower pushes the hold-open up automatically after the last shot fires.

The new Mini-14, because it mimicked the wood-stocked service M14 rifle in looks and operation, did not have a fierce look to it. On the other hand, the semiauto



AR-15 was often mistaken for a real assault rifle that could fire in both automatic and semiautomatic modes. It wasn't black metal and plastic with a flash hider and bayonet lug. Instead, it was made of old-fashioned wood and blued metal – a more traditional look. It was speculated that it would not arouse the negative excitability of gun-banners in any significant way. It would also be a cheaper alternative and have a less aggressive appearance for police departments that needed a semi-automatic centerfire rifle.

At the same time, Ruger thought that a more military-oriented version of the Mini-14 might be a viable option for those whose interests lay in that direction. The result was the Mini-14 GB-F model that featured a folding stock, a pistol grip, and a barrel with a flash hider. This one caught the public's eye when it became a feature on the "A-team" television show. In the hands of "Hannibal Smith," "Face," "B.A. Baracus," and "Howling Mad Murdock" these semiauto guns could be fired rapidly enough to simulate full-automatic fire when full-auto sound effects were added in post-production. This made for a more dramatic effect on the screen. Many folks wanted to have guns like them because they just looked so cool.

The original Mini-14 had no provision for mounting a scope. Accordingly, in 1982 the Mini-14 Ranch Rifle was released for sale. It featured a lower ejection angle and two integral mounting bases designed to accommodate Ruger scope rings. It also introduced a black plastic operating rod guard and a ventilated plastic handguard. These features later became standard on all Mini-14 variations. In 1987, the Mini-30 model was unveiled, using 7.62x39mm Russian ammo. This is also chambered in most SKS and AK-47 weapons and was then available cheaply. The round is the rough ballistic equivalent of the popular .30/30 hunting cartridge and would therefore be legal for hunting where the .223 was not allowed. The Mini-30 Tactical model has a 16.12-inch barrel or an 18.5-inch barrel with a twist rate of one revolution in 10 inches. Mini-30s were and are sold with two 20-round magazines or two 5-round magazines.

Not forgetting governmental agencies having missions calling for full-automatic rifles, Ruger brought out a selective-fire version, the Mini-14 AC-556. It has a full-auto rate of fire of 750 rounds per minute. This firearm used the same folding stock as the GB-F model. These were additionally distinguished by shorter barrels and a

selector switch at the right rear of the receiver. The selector switch will activate semiauto, 3-round burst, or full auto. Purchase was limited to governmental procurement. A 30-round box magazine was created for these guns, and for a long period of time Ruger barred individual civilians from buying them. Only 20-round magazines were available from Ruger, but there have been many 30-round aftermarket versions. The AC-556 has no longer been available since 1999 and Ruger quit service for these firearms in 2009. Some of these selective-fire guns can still be purchased on the NFA collector market.

The current catalog items related to the Mini-14 series include not only the now-base-model Ranch Rifle but a Tactical Rifle that has a 16.12-inch barrel, a folding stock and a flash hider. This tactical version and all other modern versions will safely chamber both 5.56mm and .223 rounds. Another Tactical Model is chambered for the .300 Blackout cartridge. The Mini-30 is also still available, with five different sub-models that have varying

features such as barrel length, stock material and tactical features. Beginning in 2007, Ruger offered the Mini-6.8, using the 6.8mm Remington SPC cartridge. This variation was discontinued in 2012. There was a rare version of the Mini-14 that was chambered for the .222 Remington round. These were destined for sale in those countries that prohibit civilians from using arms that chamber military cartridges. This variant was made for only a short time and it's rare to find an example today. There was also a .223-only Target

Rifle that had an unusual adjustable harmonic stabilizer on the barrel that helped to obtain better accuracy. Target rifles had 22-inch barrels and had no iron sights. Instead, they were designed to be scope-ready and were made with integral scope mounts.

Bill Ruger thought that if he had produced the Mini-14 five years earlier, it might have been adopted as the official United States military firearm of that era. The minds at the U.S. Springfield Armory had been enamored with the M1/M14 action and would have been very open to it if the AR-15 had not become conspicuously available at the time.

With the passage of nearly 50 years now, it's clear that the public has accepted the Mini-14 to the tune of over one million sold. It's now encountered commonly in households, at shooting ranges, in the hunting fields and on innumerable ranches. It's been a tribute to Bill Ruger's vision and has become a modern classic.

"Ruger's concept was to essentially scale down the U.S. M14 service rifle to use the .223 Remington cartridge and market it primarily for self-protection, law enforcement, hunting, pest elimination and informal target use."

# The Gun That Got Custer Killed



**My .45-70 Trapdoor Springfield cavalry carbine, a later (Model 1884) version of the ones carried by George Custer's 7th Cavalry at the Little Bighorn in 1876. The American soldiers were outnumbered by the Sioux and Cheyenne five-to-one, and for every trooper shooting a single-shot carbine, there was at least one opponent shooting back at him with a repeating rifle. My 14-year-old father bought this carbine from Bannerman's mail order emporium in 1938 for \$15.00, plus postage.**

*Brian Dillon photo.*

**By Brian Dervin Dillon, Ph.D.**

In June of 1876 my grandfather, W.T. Dillon, was seven years old. The last week of that month, America was rocked coast-to-coast by the report that Civil War hero and potential presidential candidate George Armstrong Custer had been killed by hostile Indians on the Northern Plains. Even worse was the revelation that the 7th U.S. Cavalry detachment he was leading – more than 200 troopers – had been wiped out down to the last man. The news sent shockwaves throughout the country, and gave many people including young Dillon, nightmares for years to come.

Most Americans were outraged and dismayed. While some questioned Custer's prudence and even his intelligence, others rushed to defend him, and so was born the legend of the "Last Stand" in which the vastly outnumbered cavalrymen heroically fought to the last cartridge, and to the last man. For the rest of her long life, over the next half-century, Custer's widow worked tirelessly doing "reputation repair," trying to keep her husband's position in the national mythology unblemished. Lizzie Custer continuously embroidered upon the heroic saga of the gallant general and his beleaguered troopers holding off the Sioux and Cheyenne until overwhelmed by sheer force of numbers, portraying her fallen husband and his loyal cavalrymen as martyrs of western civilization and the American way of life.

Nobody disputed Custer's bravery, nor failed to be impressed by his remarkable rise through the ranks during the Civil War: he entered the war between the states as a Lieutenant and ended it as a Brevet General. After the war his permanent rank reverted to Colonel, but he

insisted on being called "General" when and wherever possible. Unfortunately, nobody during his own lifetime and afterwards could accuse Custer of an excess of intelligence. He graduated from West Point dead last in his class. When he opted for the Cavalry many of his West Point peers possessed of greater intellectual attainment observed that since Custer was only marginally smarter than the horse he rode, he would be right at home in that branch of the service. Custer was the only senior officer to inadvertently shoot his own horse in the back of the head with his six-shooter while at a full gallop. He was thrown badly but did not break his neck; if he had, or had he shot himself instead of his mount, there almost certainly would never have been the Battle of the Little Bighorn.

The first American cavalrymen to venture to the Custer Massacre site, only days afterwards, found a great many dead troopers bent over their Springfield carbines, scalped, with broken knives in their hands. They had been shooting up so much of their .45-55-405 carbine ammunition that they had gone through all their "ready rounds" and were breaking open sealed boxes of reserve ammunition, rounds that were still coated with preservative for long-term storage. These sticky rounds consequently jammed in their carbine chambers after firing, and the very weak extractors of the first-generation (1873) Trapdoor Springfield cavalry carbines simply broke off instead of ejecting the fired cartridge casings. So out came the sheath knives as the beleaguered troopers tried to pry the stuck casings out of their now non-functional guns. Most of Custer's cavalrymen were killed while trying to fix this fatal flaw in their armament. This horrible story was suppressed by reporters and contemporary newspapers



yet circulated amongst all Regular Army soldiers. It became military folklore passed on to new recruits for the rest of the 19th century. Rightly or wrongly, the .45-70 Trapdoor Springfield, especially in its carbine version, earned the reputation of “the gun that got Custer killed.”

The .45-70-500 Trapdoor Springfield rifle was the standard U.S. Army issue long arm from 1873 until the Spanish-American War of 1898. It was the direct replacement for the larger caliber

.50-70 single shot Trapdoor Springfield rifle that had itself superseded the old Civil War .58, .54, and .52 caliber muzzle-loaders. Repeaters had been available for U.S. military use since 1862, in the form of the .44 Henry and .52 Spencer. The 7-shot Spencer carbine was, in fact, fired experimentally by President Lincoln on the White House lawn and through his urging was adopted by selected cavalry units just in time to play a critical role at the Battle of Gettysburg during the summer of 1863. The Henry, on the other hand, was never officially issued by the U.S. Army but some Union Volunteer units purchased it with their own funds and used it towards the end of the war. Unfortunately, both repeaters were rimfires, and had comparatively weak black powder charges in relation to their bullet weight: their advantage of rapid reloading was offset by the limitations of comparatively short range and curved trajectory.

The low-powered .44 Rimfire Henry was directly ancestral to the Model 1866 Winchester, which fired the same cartridge, and eventually to the outstanding .44 WCF (Winchester Center Fire) – the venerable .44-40 – that made the Model 1873 Winchester chambered for it the single most effective rifle of the American West. The .44-40 Winchester repeater was what the best-armed Indian opponents were shooting at Custer’s 7th Cavalry in June of 1876, as recently revealed by many seasons of historical archaeological fieldwork and cartridge casing identification on the Little Bighorn Battlefield. Had the situation been reversed,

with the Indians armed with single-shot rifles and the 7th Cavalry with repeaters, the outcome of the battle might have been very different.

The official, Army-issue .45-70 single-shot followed a completely different path than the civilian .44-40. The full-length rifle cartridge incorporated a bullet of 500 grains, while the smaller carbine round was tipped with a lighter, 405 grain projectile, in front of 55 grains of

powder – 15 less than the long rifle round. The actions of the rifle and carbine were exactly the same, and either could chamber the .45-70-500 or the .45-55-405 round. The less powerful cartridge was developed for the carbine because the original long rifle round created so much recoil in the shorter barrel that accuracy was negatively affected. Both cartridges were possessed of very great knockdown power because of their bullet weight. A man hit by either round at close range could literally be turned inside-out. Unfortunately, both rounds had arced or “rainbow” trajectories more reminiscent of a mortar than of any flat-shooting modern rifle, and the “ladder extension” on the rear sight had to be extended to a ridiculous height to compensate for excessive bullet drop at distances greater than 150 yards. Both the rifle and the carbine round had extremely slow velocities, so slow that an enemy at long range, as the apocryphal saying went, could literally “dodge the bullet” if he dropped fast enough.

And, if these shortcomings were not daunting enough,

the Allin “trapdoor” of the .45-70 was one of the weakest actions ever devised for a mass-produced military arm. Many modern handloaders have learned to their sorrow that the first-generation .45-70 Springfield will not tolerate loads even minimally over the original black powder pressure of 18,000 P.S.I. If loaded “too hot” the old guns often blow up at the breech, hurling the trapdoor back into the incautious handloader’s face, or straight up if he is lucky. Later-issue, improved Model 1884 .45-70 Springfield rifles and carbines have stronger actions than the original



**George Armstrong Custer (1839-1876), quite possibly the least intelligent cavalry officer of American history. Custer was famous as the only senior officer to shoot his own horse in the head while at the gallop. He later immolated himself and his entire command at the Little Bighorn through a series of poor tactical decisions. Contributing to the disaster were the facts that his men were badly outnumbered and outgunned by their Plains Indian opponents, many of whom had much more efficient repeating rifles than the single-shot carbines his men had been issued. National Archives photo.**



**Swan song of the .45-70 Trapdoor Springfield: All-Irish Company A, 1st California Volunteer Infantry, Manila, Philippines, late 1898. My grandfather, Private W.T. Dillon, stands in the back row, 7th from left, with his hat brim pushed back. All the American volunteer troops fighting in the Philippines in 1898-99 were issued the old, black powder, single-shot .45-70 Trapdoor Springfields, while regular Army soldiers got the new, smokeless, .30-40 Krag-Jorgensen repeaters.**

*From C. R. Detrick, History of the Operations of the First Regiment, California U.S. Volunteers, 1899, page 42.*

Model 1873 versions. Other rifles with stronger actions were chambered for the .45-70 Government round, most notably Remington Rolling Blocks and Model 1886 Winchester repeaters, but neither was ever issued to American troops.

My own Model 1884 .45-70 Trapdoor Springfield carbine, handloaded with smokeless powder up to or slightly below original, black powder pressures, with 300-grain JHP bullets, is a very effective short-range hunting weapon, especially in brush country. Even with the much lighter bullets and the moderate loading, my carbine still kicks like a mule. Modern Marlin lever guns with very strong actions can be loaded with .45-70 smokeless rounds in excess of the old black powder pressures, again with 300- to 350-grain bullets. These “improved” cartridges provide much shallower ballistic arcs – they shoot flatter, and farther – than the original Trapdoor Springfield .45-70-500 rounds.

Almost exactly 22 years after the Custer Massacre, my grandfather W.T. Dillon (1869-1938) enlisted in all-Irish Company A of the First California Volunteer Infantry Regiment. On May 25, 1898, Grandpa Dillon and his Hibernian comrades, 49 officers and 979 men, left San Francisco on the SS City of Peking; they were heading for the Philippines to fight the Spaniards. Private Dillon and all the other California Volunteers were armed with .45-70 single-shot black powder Trapdoor Springfields. These were the “Long Tom” or rifle versions of the same carbines carried by Custer’s troops at the Little Bighorn.

Meanwhile, Regular Army detachments, plus a few favored volunteer units like Teddy Roosevelt’s politically connected Rough Riders, heading towards Cuba in the opposite direction, carried the new, smokeless, .30-40 Krag-Jorgensen bolt-action repeaters. The older men of the First California Infantry, disgusted by their obsolete armament, told Grandpa Dillon the old story of its fatal role at the Little Bighorn, and complained that they had just been issued “the gun that got Custer killed.”

Does American military history ever repeat itself? Once the California boys became immersed in a hot, shooting war halfway across the world, they found, just like their 7th Cavalry predecessors had, that their opponents were much better armed than they were. My grandfather and his California buddies had to belabor their foes with .45-70 fire, one slow shot at a time. The Sioux and Cheyenne coming up against the Trapdoor Springfields in 1876 had been armed with .44-40 Winchester repeaters; now, in 1898 the Spaniards, and shortly afterwards in 1899, Aguinaldo and his Filipino insurrectos were armed with German-made, bolt-action Mauser repeating rifles, chambered for modern, high-powered, bottleneck smokeless powder cartridges, some of them firing the newly invented aerodynamic Spitzer bullets. In 1876 and again in 1898-1899 American soldiers were fighting completely different enemies, a hemisphere and a human generation apart, yet they were still armed with the same antediluvian single-shot weapon. *Deja vu, “all over again.”*





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33391	\$33.00
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Like pretty much everything from Berry's Manufacturing, this 9" x 12" x 10" deep stackable utility box is made in America and covered by a lifetime warranty. The box is designed to stack and is great for storing bulky items. If your gun room/garage looks anything like ours, these will help you get organized. So, whether you're looking to store shooting accessories, ammo components, or car parts (we have more than our share of all of the above) these boxes are ideal. The best part is that they're transparent, so when you fill them, you don't have to open the WHOLE stack to find what you're looking for.

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Perma-Pin Firing Pin Retainer for M-16 and AR-15 replaces the standard cotter 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.

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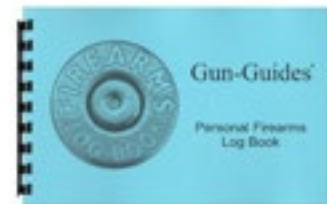
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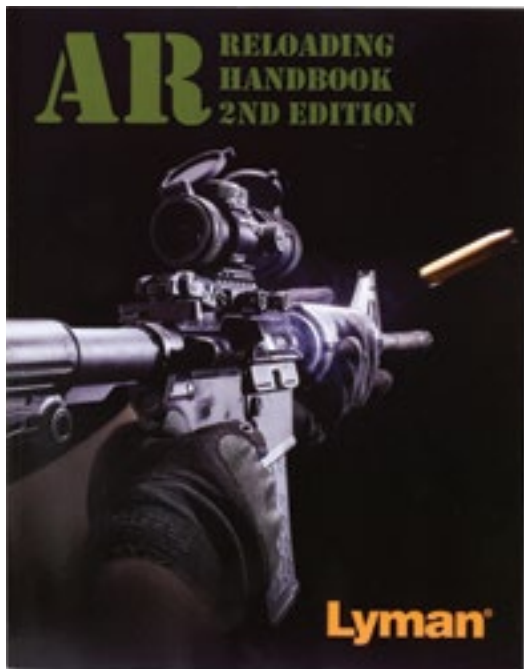
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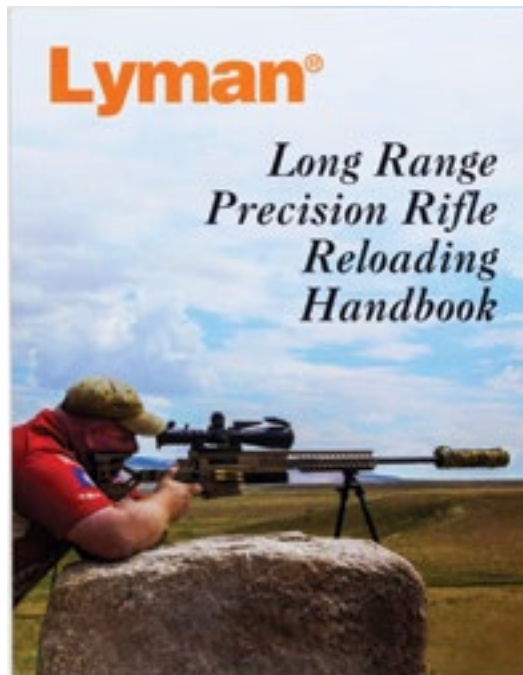
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John Marshall's book **101 Classic Firearms: A Chronological Foray into the Golden Years of Firearms Development**, is a compilation of the author's popular articles appearing in *The Blue Press* since 2007. **101 Classic Firearms** is sure to be a prized addition to the library of any serious firearms enthusiast. Published by Dillon Precision, and printed and bound in the USA, **101 Classic Firearms** is a high-quality full color 11.5" x 9" hardcover with 224 pages packed full of insights and history on some of the world's most important firearms. 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.

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Mauser Rifles	40044	7.99
Mosin-Nagant Rifles	40046	7.99
Mossberg 500	40047	7.99
Remington 870	40048	7.99
Remington 1100	40049	7.99
Ruger Mk III Pistols	40050	7.99
Ruger Mk IV	55560	7.99
Ruger S.A. Revolvers	40051	7.99
SKS Rifles	40052	7.99
SIG P365	40098	7.99
S&W M&P/Shield	43230	7.99
S&W M&P 15-22	55559	7.99
S&W Victory Model	55561	7.99
1903 Springfield	40061	7.99
Springfield XD/XDM	40053	7.99
Winchester 1300	40054	7.99



# DILLON: A MEMOIR

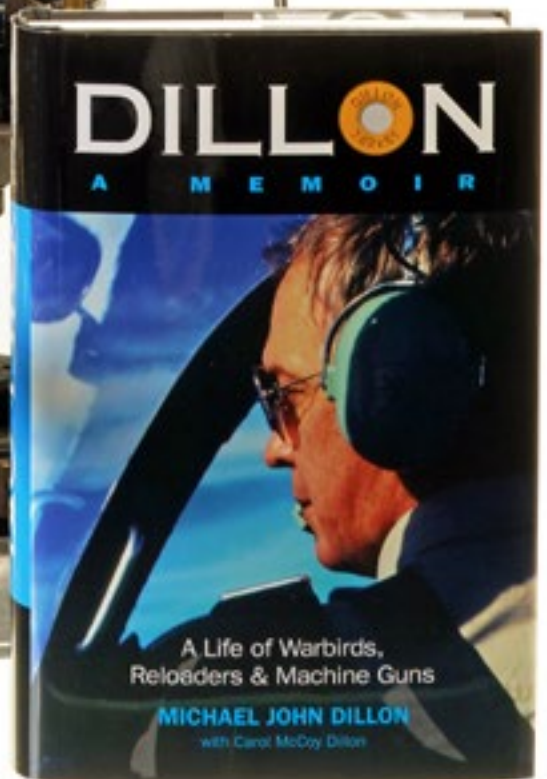
**R**ead the story of Mike Dillon's journey from washing aircraft for a crop-dusting company, to airline pilot, to creator of The World's Finest Loading Equipment, and ultimately, to the man who revolutionized the M134 Mini-Gun!

Along the way his adventures included restoring a P40 Warhawk, fighting wildfires in WWII-era bombers converted to drop fire retardant and writing articles about flying warbirds for *Air Progress* magazine.

Not content to rest upon his laurels for creating the World's Finest Loading Equipment, Mike finished out his career by re-engineering the M134 Mini-Gun, helping to arm the US and its allies to fight the War on Terror across the globe.

Mike's memoir is a compelling read: the story of a man who believed he could do anything he set his mind to, and actually did it!

*Pictured here are the original 1928 Navy Overstamp Thompson submachine gun Mike inherited from a friend who died in a tragic plane crash and a Star Machine Works reloader with Mike's "Super Star Conversion." These two items inspired Mike Dillon to found his own reloading equipment company. Read the book for details about how it happened.*



**Part Number  
88887**

**\$35.00**



# PYRAMEX Safety Eyewear

Safety glasses with free 32dB earplugs  
17048 \$4.99

## NEBO®



The **NEBO® INSPECTOR RC** is a powerful 360 lumen rechargeable, waterproof (IP67) penlight. The INSPECTOR RC features FLEX-POWER and is equipped with a removable steel clip, 4x zoom and 3 light modes (high, low, strobe) and Soft-Touch Technology, which provides momentary operation when the light is off, with the slight touch of the button.

3 LIGHT MODES (Rechargeable Battery)

- High (360 lumens) – 1 hour/125 meters
- Low (120 lumens) – 3 hours/70 meters
- Strobe (360 lumens) – 25 minutes/125 meters

3 LIGHT MODES (AAA Batteries)

- High (100 lumens) – 1 hour/90 meters
- Low (30 lumens) – 4 hours/50 meters
- Strobe (100 lumens) – 25 min./90 meters

13792 \$34.99

## NEBO®



The **NEBO® INSPECTOR™ 500+** is a powerful 500 lumen, rechargeable, waterproof (IPX7) penlight and expandable area light. The INSPECTOR™ 500+ is equipped with a powerful magnetic base, steel clip, 4 light modes and features Flex-Power Technology, which allows the light to be powered by rechargeable or AAA batteries.

4 LIGHT MODES (Rechargeable Battery)

- Turbo (500 lumens) – 30-second intervals/142 meters
- High (250 lumens) – 3.5 hours/98 meters
- Low (25 lumens) – 8 hours/31 meters
- Strobe (250 lumens) – 2.5 hours/98 meters

4 LIGHT MODES (AAA Batteries)

- Turbo (140 lumens) – 30-second intervals/80 meters
- High (70 lumens) – 1 hour/57 meters
- Low (7 lumens) – 12 hours/18 meters
- Strobe (70 lumens) – 1 hour/57 meters

11744 \$44.99



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

Clear	10513	\$9.99
Smoke	10514	9.99
Light Blue	10515	9.99
Yellow	10516	9.99
Amber (pictured)	10517	9.99
Smoke Mirror	10518	9.99

## Bifocal Shooting Glasses



### Clear, Bottom Bifocal

Clear Bifocal 1.5	11820	\$19.99
Clear Bifocal 2.0	11821	19.99
Clear Bifocal 2.5	11822	19.99

### Smoke, Bottom Bifocal

Smoke Bifocal 1.5	11825	\$19.99
Smoke Bifocal 2.0	11829	19.99
Smoke Bifocal 2.5	11831	19.99

### Clear, Top Bifocal

Clear Bifocal 1.5	11832	\$59.99
Clear Bifocal 1.75	43221	59.99
Clear Bifocal 2.0	11834	59.99
Clear Bifocal 2.25	43333	59.99
Clear Bifocal 2.5	11843	59.99
Clear Bifocal 3.0	43334	59.99

## SureFire Hearing Protection



**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**

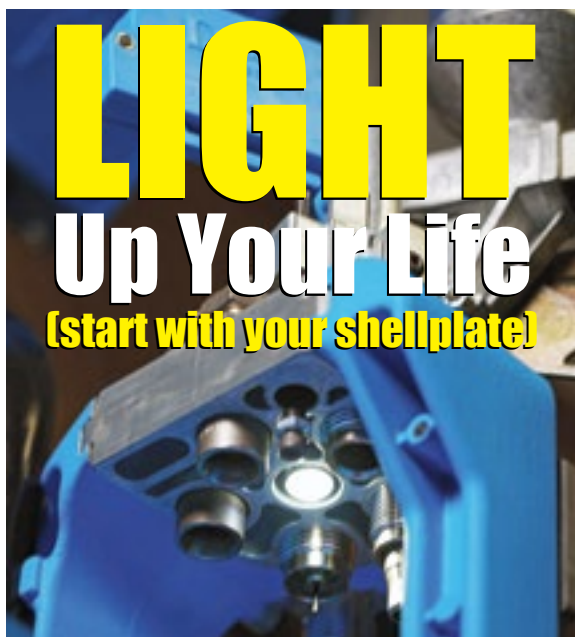
Small	25340	\$13.99
Medium (Fit Most People)	25341	13.99
Large	25342	13.99



# LIGHT

## Up Your Life

(start with your shellplate)



An LED light kit for your 550/650/750 reloading machine that simply plugs into the center of the toolhead. The power supply adapts to multiple international voltages and functions with or without an optional switch (included).

LED Light Kit with Switch  
62014 \$75.00



**2023 2023**

One calendar, TWO covers! (We couldn't make up our minds.)

63209 \$19.99

## Schuster Mfg. Inc.

### Adjustable M1/M1A Gas Plugs

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)

SOCOM M1A

M1 Garand



15405

15409

15408

\$65.00

65.00

45.00

## 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

18531 \$9.99



## Dillon 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"

18146

\$89.99

BILLING ADDRESS:

NameCustomer Number

Address (Note: Common carriers will not ship to P.O. boxes.)

City, State, Zip Code

Residential?

Commercial?

Daytime Phone Number

E-Mail Address

SHIPPING ADDRESS: (If Different)

NameCustomer Number

Physical Address (Common carriers will not ship to P.O. boxes.)

City, State, Zip Code

Residential?

Commercial?

Daytime Phone Number

E-Mail Address

Payment Method

☐ MC ☐ VISA ☐ DISCOVER

☐ Check/Money Order

☐ I understand that my credit card will be charged for the ful amount of my order.  
Backordered items may take over 30 days to ship. This box MUST be checked.

Credit Card Account Number

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Expiration Date

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Month

Year

CCV

Stock #	Qty.	Description	Price Ea.	Total
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Sales Tax – Dillon Precision is required by law to collect and remit sales tax based on state and local requirements. If you are unsure of your state and local sales tax requirements, please call us at 800-223-4570 – we'll be glad to help.

Ammunition/Components Statement:

I certify that I am 21 years of age and that there are no federal, state or local laws prohibiting my purchase of ammunition, powder or primers.

Signed\_\_\_\_\_  
NOTE: Call us for shipping charges when ordering loaded ammunition.

Order Total

Sales Tax: Important, See Note at Left

Shipping & Processing

Order Total:	*Shipping
\$0.01 - 14.99	\$9.49
\$15 - 64.99	14.49
\$65 - 124.99	19.99
\$125 - 199.99	22.99
\$200 - 299.99	27.99
\$300 - 399.99	30.99
\$400 - 499.99	33.49
\$500 - 599.99	36.99
\$600 - 999.99	39.99
\$1000 and up	43.99
*First 48 contiguous US states only.	

Subtotal

Voluntary Contribution  
for the NRA "Round Up"  
(Round up to next \$)

Total




# Loaded



# Model



Scan code to learn more.

**SPRINGFIELD ARMORY**

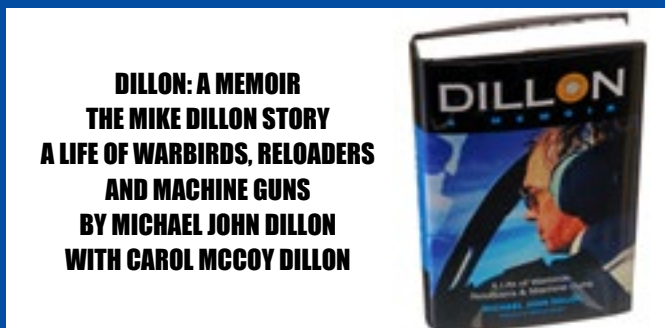
**M1A**

SPRINGFIELD-ARMORY.COM

**New products available only online @ [dillonprecision.com](http://dillonprecision.com)**



**TIMNEY TRIGGERS  
IMPACT AR TRIGGER  
STRAIGHT**



**DILLON: A MEMOIR  
THE MIKE DILLON STORY  
A LIFE OF WARBIRDS, RELOADERS  
AND MACHINE GUNS  
BY MICHAEL JOHN DILLON  
WITH CAROL MCCOY DILLON**



**BIRCHWOOD CASEY ADJUSTABLE BASE TARGET STAND KIT**



**SIERRA MATCHKING  
.224 DIAMETER 77GR HPBT 500CT**



**HORNADY HAP 9MM  
.355 DIAMETER 115GR 500CT**



**AGUILA 22LR  
HIGH VELOCITY  
40GR SOLID POINT  
50RD BOX**



**PLANO PROTECTOR  
SCOPED PISTOL CASE,  
13.5" X 10.25" X 3"**



**S&B 9MM 115GR FMJ 50RD BOX**



**HORNADY .224  
FMJ-BT 55GR  
100CT**



**STREAMLIGHT PROTAC RAILMOUNT 2L 625 LUMENS**