

BUSHNELL BORESIGHTERS

Fast, Accurate Sight-In System Gets "On Paper" Without Firing A Shot

Optical collimators save you time and ammunition by getting your rifle or handgun "on paper" without firing a shot. Gives hunters, target shooters, and gunsmiths the convenience of initial sighting-in of scopes and sights at home or in the shop. Easy-to-use: attach collimator to the muzzle, then adjust the windage and elevation of the scope or iron sights until they align with the collimator grid. Sights centered on the grid will shoot very close to point-of-aim at 100 yards. Collimator is CNC-machined from aluminum, then hardcoat anodized to protect the finish from nicks, dings, and surface wear. Includes convenient carrying case that protects from damage and keeps each item clean and ready to use. **Standard** model features 15 steel arbors that fit bores ranging from .177 to .50 caliber, including popular metric calibers, to provide precise alignment with the collimator for extremely accurate sight adjustment. Roll-up storage case easily fits in your range bag or tool box. **Professional** model has adjustable arbors for .22 to .270, 7mm to .35, and .35 to .45 calibers. Everything fits in the included hard-sided carrying case. **Magnetic** model works on all calibers and firearm types. Attaches directly to the muzzle and eliminates the need for inserts or arbors. Cloth carrying case with pull cord for easy closing and secure storage.

SPECS: Collimator - Aluminum, hardcoat anodized finish, matte black. **Standard** contains (1) insert of each caliber: .177, .22, .25, .27, 6mm, 6.5mm, 7mm, .30, .32, .338, .35, .375, .44, .45, .50. Collimator - 4 3/4" (12cm) long. Inserts - Steel, 3 3/4" (9.5cm) long. Case - Vinyl, black. 3 1/4" (8.2cm) diameter x 5 1/2" (14cm) wide, rolled up. **Professional** contains 3 adjustable inserts: .22 to .270, 7mm to .35, and .35 to .45 calibers. Inserts - Steel, expandable, 4 1/2" (11cm) long. Collimator - 4 3/4" long. Case - Vinyl covered, hard sided, black. 5-38" (13.6cm) long x 2-18" (5.4cm) wide, 3 1/2" (9cm) high. Magnetic - Collimator - 3 1/4" long. Case - Cloth, black.

#593-000-053AN Standard Boresighter, 9E71A56. \$ 81.99

#593-000-052AN Professional Boresighter, 9E94F00. 105.99

#593-000-051AN Magnetic Boresighter, 9E37K30. 42.99

SIGHTMARK

LASER BORESIGHTER

Chamber-Mounted Laser Helps You Sight In Rifle Or Pistol Without Firing A Shot

Easy-to-use bore sighting system fits in the chamber of your rifle or pistol and projects a powerful red laser beam aligned with the bore axis for sighting to the point of aim without firing a shot. Works with scopes, holographic red dot sights, and "iron" sights. Centerfire boresighters contain the entire laser system and batteries in the size of a normal cartridge case. Kimfire models have a cartridge-sized laser unit that goes into the chamber and a magnetic external battery holder that sticks to the receiver for hands free operation. Simply insert laser into chamber, gently close the action far enough to secure the laser, and aim at a target 20-30 yards away. Adjust windage and elevation while compensating for the height of the scope, then head to the range for test shots and final adjustments. Stores easily in the included nylon carrying case that fits in pocket, tool kit, or range bag.

SPECS: Machined brass. Laser wavelength, 632-650 nm. Sighting range, 15-100 yards. Dot size, 2" at 100 yards. Includes (2) AG5 button cell batteries, nylon carrying case, and instructions. **.223 Rem** also fits .222 Rem, 5.56x45 NATO, 5.6x50, 6x47 **7mm Rem/264 Win** also fits 8mm Rem, .338 Win. **.30-06** also fits .25-06, .270 Win, .280 Rem, 7mm Express, 7 Japanese, 8mm-06, .338-06, and .35 Whelan. **.308** also fits 6mm Rem, .243 Win, .257 Roberts, .260 Rem, .284 Win, 7x57 Mauser, 7mm 08, 8mm Mauser, .307, .356, and .358 Win.

#100-004-011AN .223 Rem Boresighter, 8A25D99. \$ 30.00



SITE-LITE LASER BORESIGHTER

Gets You Close To Point-Of-Aim Without Firing A Shot

Saves range time

and ammo; highly accurate laser system lets you zero your scope to point-of-aim at 100 yards, before you go to the range. Quick and easy to use, just place the special laser target 25 feet away and aim the laser at it, then adjust the scope till the crosshairs align with the target. Works equally well with red dot scopes and iron sights. Laser is mounted to a cone shaped, aluminum spud. An O-ring and a powerful magnet hold the spud centered in the bore. No special adapters to buy and no metal contacts the rifling. A system of adapters and O-rings lets one unit fit all firearms from .22 to .50 caliber, plus 12 and 20 gauge shotguns. Also includes the SRL-100 adapter that slips over the Boresighter's lens to convert it into a highly accurate Scope Reticle Leveler by refocusing the laser to a horizontal beam for precise crosshair alignment. SRL-100 also available separately. **SL-100 Standard Model** for use indoors, where you have control over ambient lighting. **SL-150 Ultra-Mag** has an ultra-bright 635nm laser for better visibility in bright, ambient light conditions. **SL-500 Ultra-Mag** uses a super-bright green laser for maximum visibility of the sighting dot in daylight and very bright ambient light.

SPECS: Aluminum. Includes (2) adapters, (12) O-rings, (2) cardboard target cards, SRL-100 adapter, instructions, and plastic storage case. **SL-100 - 6 1/8"** (15.6cm) OAL without adapter, 4 1/8" (10.5cm) long spud. Uses (2) #357/LR-44 batteries, included. **SL-150 - 6 1/8"** (16.8cm) OAL, 4 1/8" (10.8cm) long spud. Uses (1) CR2 lithium battery, included. **SL-500 - 7 1/8"** (19.1cm) OAL, 4 1/8" long spud. Projects a green sighting dot. Uses (1) CR123 lithium battery, included. **SRL-100** - Includes calibrated laser target, bubble level, and instructions.

#100-000-843AN SL-100 Laser Boresighter, 8K93G27. \$ 116.60

#100-002-429AN SL-150 Ultra-Mag Laser Boresighter, 8K134N16. 166.99

#100-004-085AN SL-500 Ultra-Mag Laser Boresighter, 8K202K63. 249.99

#100-002-430AN SRL-100 Reticle Leveler, 8K20N27. 25.95

W. FREAR INNOVATIONS COLLIMATOR ELEVATOR

Adapts Your Collimator For Use With Large Objective Optics



Precision-manufactured device greatly extends the use and range of your optical collimator for rifles equipped with large objective scopes or scopes mounted in rings high above the centerline of the bore. Very easy to use: Mount your collimator onto the elevation arm, insert your bore spud in the elevator block, then lock with thumbscrew. Insert your spud

into the bore and move elevation shaft up or down. Adjust the collimator so its grid view is near the center of the objective lens, and lock collimator height with second thumbscrew.

SPECS: Elevator Block - Aluminum. 1 1/4" (4.5cm) long, 3/4" (1.9cm) wide, 1 1/4" high. Elevation Shaft - Stainless steel, 1/4" (6.3mm) diameter. Elevation Arm - Aluminum. 3/8" (9.5mm) diameter. Includes instructions.

#100-002-512AN Collimator Elevator, 5A89A99. \$ 89.99

#100-004-014AN 7mm Rem/.264 Win. Boresighter, 8A25F99. 30.00

#100-004-013AN .30-06 Boresighter, 8A25B99. 30.00

#100-004-015AN .308 Laser Boresighter, 8A25J99. 30.00

#100-004-012AN 7.62x39 Boresighter, 8A25E99. 30.00

#100-004-016AN 9mm Boresighter, 8A25K99. 30.00

#100-004-017AN .40 S&W Boresighter, 8A25L99. 30.00

#100-004-018AN .45 ACP Boresighter, 8A25H99. 30.00

SWEANY SITE-A-LINE BORESIGHTER

Instant, Accurate Boresighting For Iron & Optical Sights

Pays for itself in sight-in time and ammunition saved. Diagonal, cross-hair reticle and parallax-adjusted optics provide a simple, accurate method to set the sighting plane on any firearm parallel to the bore axis. Chrome-plated, precision-ground spuds with bronze springs. **SPECS:** 4 1/4" (10.8cm). Tapers from 1.7" (4.3cm) to 1" (2.5cm) dia. Kit includes Boresighter and 16 spuds in a fitted styrene box. Bore spuds for calibers not listed available on special order basis. *Indicates Bore Spuds included in Site-A-Line Kit. **H** indicates handgun, **R** indicates rifle, **A/G** indicates airgun.

STOCK #	DIA.	FITS	STOCK #	DIA.	FITS
#034-100-167AN	.167"	.17 Rem	#034-100-255AN*	.255"	.264 R
#034-100-173AN	.173"	.177S A/G	#034-100-269AN*	.269"	.270 R
#034-100-001AN	.199"	.204S	#034-100-275AN*	.275"	7mm R
#034-100-215AN*	.215"	.22 H/R	#034-100-299AN*	.299"	.30 R
#034-100-217AN*	.217"	.22 R	#034-100-329AN*	.329"	.338 R
#034-100-235AN*	.235"	.243 R			

— Advise # — Sweany Bore Spud, 4C10I99. \$ 15.99

#034-100-000AN Site-A-Line Kit, 4C240G00. \$ 345.00

SWEANY M16/AR-15 BORE SPUD - Extra length and height. 5" (12.7cm) long, 1 1/8" (9cm) high. Aluminum block, steel spud.

#034-100-016AN M16/AR-15 Spud, 4C28H99. \$ 39.99

LONG BORE SPUD - For .22 caliber rifles equipped with muzzle brakes or flash suppressors. 5 1/2" (14cm) long, .217" diameter.

#034-103-217AN Long Bore Spud, 4C14D49. \$ 20.99

EXTRA-LONG BORE SPUD - 8" (20cm) long to clear flash suppressor on M14/M1A and other .30 caliber rifles.

#034-103-298AN .298" Extra Long Bore Spud, 4C15F49. \$ 20.99

ALLEY SUPPLY COLLIMATOR EXTENSION

Boresight "Tail" Scopes Easily

Gets the boresighter up high to align the scope on guns with see-through rings or integral mounts (like the AR-15) that sit high above the bore. "V" give a range of 1" to 2 1/2" between the bore and collimator spuds. Accepts Sweany, Redfield or Tasco spuds.

SPECS: Aluminum body, brass and steel screws. 3 3/8" (9.7cm) long, 1" (2.5cm) wide, 1/4" (22.2mm) thick. Weighs 4 oz. "V" spacings of 1", 1 1/4" (3.5cm) and 2 1/4" (6cm). Does not accept Bushnell spuds.

#034-101-000AN Collimator Extension, 4C24L99. \$ 34.99



BROWNELLS BROKEN SHELL EXTRACTOR

Easily Removes Broken Cases Without Field Stripping



Case head separation from over-fired or out of spec brass won't ruin your shooting experience if you keep one of these handy tools in your pocket or field kit. Hardened, steel tool reliably and easily removes broken cases from AR-type or any other firearm chambered for the .223/5.56 NATO or .308/7.62 NATO cartridges. Exclusive,

BROWNELLS MILITARY WEAPON TAKEDOWN TOOL

Dozens Of Uses In Field Stripping A Variety Of Military Firearms



Handy steel tool eases the task of field stripping a variety of military weapons, including the AR-15/M16/M4, M14, and L1A1 rifles, as well as the M2 and M240 machine guns. Use the pointed end to remove pins, retainers, clips, and other subassemblies—much easier than using the tip of a cartridge. The other end can serve as a slot-tip screwdriver or pry bar. Deeply knurled handle won't slip and has a solid feel in the hand; adjust handle position by loosening the two hex head screws. Dozens of uses on the workbench and in a field tool kit.

SPECS: Steel, black oxide finish. 7 1/4" (18.4 cm) long.

#080-000-580AN Military Weapon Takedown Tool, 8K21C00. \$ 29.95

TANGDOWN FN SCAR ARMORER'S BLOCKS



Protects Critical Components From Damage When Clamping For Maintenance

High-density polymer blocks allow critical subassemblies of the SOF Command Assault Rifle (SCAR) to be tightly clamped in a vise without danger of crushing, twisting, or otherwise distorting them. Provides secure support for safe, effective cleaning, adjustment, maintenance, and repair without marring or scratching the finish. Upper Receiver/Barrel Block surrounds the front sight/gas block to securely hold the upper receiver/barrel module while also protecting the exposed portion of the gas system. Lower Receiver/Trigger Module Block locks into the magazine well and absorbs all the clamping force to protect the SCAR's polymer lower receiver from damage. One end fits the 5.56x45mm SCAR-L; flip the block around and other end fits the 7.62x51mm SCAR-H. Bolt Maintenance Block gives proper support to disassemble the bolt for cleaning or repair.

SPECS: High-density, injection-molded polymer.

#100-003-431AN SCAR Armorer's Block Set, 9B134H95. \$ 169.95

#100-003-470AN SCAR Upper Rec'r/Barrel Vise Block, only, 9B55J00. 69.90

#100-003-428AN SCAR Lower Rec'r/Trigger Module Block, only, 9B39N95. 49.95

SELECTION. SERVICE. SATISFACTION.

Three words that Brownells has based a foundation of excellence on for 75 years.

threaded, twopiece design is adjustable for overall length, so the tool completely engages the rim of the case mouth; cannot slip through or strip out. Very simple to use, drop the broken shell extractor into the chamber directly inside the broken case. Allow the bolt to close so the extractor engages the rim of the tool and draw back the bolt to open the chamber. The broken case will eject along with the broken shell extractor.

SPECS: Steel, blue. Models for .223 Remington/5.56 NATO or .308 Winchester/7.62 NATO cartridges.

#080-000-441AN .223 Broken Shell Extractor, 8K16C99. \$ 19.99

#080-000-530AN .308 Broken Shell Extractor, 8K18P95. 22.99

Orders/Tech: 800-741-0015

order on the web
www.brownells.com

BROWNELLS
... ONLY THE BEST ... PAGE 483



BROWNELLS

TACTICAL RIFLE FIELD MAINTENANCE PACK



M16/M4 Field Pack Shown

Complete, Dedicated Kits For Field Repair & Maintenance Of Tactical Rifles

These compact, model-specific field maintenance packs provide the soldier or law enforcement personnel

with all the tools required to field strip, repair, and maintain tactical rifles while on the move. These are not run-of-the-mill generic tool kits, but carefully selected, high-quality field armorer tools dedicated to specific weapons. Individual pouches and compartments inside the water- and abrasion-resistant Cordura® nylon case keep tools secure and separated to help minimize noise that could jeopardize your mission. Nylon grab handles for easy carry, and quiet #9 YKK zippers with oversize pulls make it fast and easy to get tools in and out. Front panel features clear I.D. card sleeve and loop strip for name tape.

M16/M4 FIELD PACK - Allows complete weapon breakdown for routine maintenance and repair, plus includes tools for sight adjustments and field cleaning of the Colt M16/M4. Includes special tools for removal of barrel nut, flash hider and lower receiver extension without damage to any rifle component.

SPECS: Includes: #81 MAGNA-TIP® hollow screwdriver handle w/ Leupold windage (L/B) and #185-10 bits; 1/8", 1/4" and 1/2" pin punches; 1/4" drive handle; 3/4" nylon/brass hammer; buttstock tool; combination wrench; lower receiver vice block; A1/A2 sight wrench; carrier carbon scraper; Deluxe model buttstock cleaning kit. Approx. 5 lb. (2.3 kg) wt.

#080-000-458AN M16/M4 Field Pack, 8K219J99... \$ 259.99

REMINGTON 700 FIELD PACK - Field tool kit maintains Remington 700 sniper rifles while out on deployment. Includes all special armorer tools, punches, wrenches, screwdriver handle and bit for complete rifle disassembly (except barrel removal), including breakdown of the complete bolt assembly.

SPECS: Includes: Magnetic Law Enforcement MAGNA-TIP® screwdriver handle w/ #185-3 bit, extractor rivet anvil, firing pin tool, bolt brush, rifle bench block, 45 in.-lb. torque T-handle, 1/4" square-to-hex drive converter, ball-hex "L" wrench set, bolt ejector tool set, bolt disassembly tool, nylon/brass hammer, 1/8" and 1/4" pin punches, .120" brass alignment/push punch, 12"x24" bench/field mat. Approx. 5 lb. (2.3 kg) wt.

#080-000-457AN Rem. 700 Field Pack, 8K325C62... \$ 420.99

RUGER MINI-14 FIELD PACK - Each tool in this kit serves a specific purpose in helping you keep your .223 caliber functioning reliably. Contains all of the correct-size pin punches and screwdriver bits needed for full field stripping, plus a rear sight adjustment tool designed specifically for the Ruger® Mini-14®.

SPECS: Includes: #84 MAGNA-TIP® hollow screwdriver handle w/#185-0, #185-10, #300-4, and #360-4 bits; 1" nylon/brass hammer; 1/8" and 3/16" roll pin punches; 1/4" and 3/8" roll pin holders; .092", .120", and .151" steel push punches; rear sight adjustment tool; 4" diameter polyethylene bench block; 12" x 24" bench/field gun mat. Approx. 5 lb (2.3kg) wt.

#080-000-483AN Mini-14 Field Pack, 8K149Q86... \$ 186.99

FOREIGN WEAPONS FIELD PACK - Contains tools for servicing a variety of Soviet-type foreign weapons, including the AK-47/AKM assault rifle, PK/PKM/PKMS 7.62mm machine gun, Dragunov SVD sniper rifle, DShK/DShKM 12.7mm machine gun, and RPG-7 grenade launcher. Lets you field-strip these weapons quickly for cleaning, maintenance, adjustment, and repair without the confusion and down time spent scrounging for the proper tools.

SPECS: Kit includes 762 x 39 broken shell extractor, 762 x 54R broken shell extractor, 762 x 39 Go/No-Go gauges, 762 x 54R Go/No-Go gauges, AK-47/SKS front sight tool, No. 10 slot head screwdriver, 6" chain nose pliers, 1" nylon/brass hammer, 4 oz. ball peen hammer, 6" adjustable crescent wrench, 6" mill file, starter punch set (1/16", 3/32", 1/8" & 5/32"), pin punch set (1/16", 3/32", 1/8" & 5/32"), prick punch, center punch, Delrin® bench block, double-ended nylon gun

C.J. WEAPONS

BROKEN SHELL EXTRACTORS



Fast, No-Fuss Removal Of Stuck Cases

Don't let case head separation put an end to your day at the range or in the field. Simple, reliable tool quickly and easily removes a stuck case from the chamber. Make sure gun is unloaded, then insert the shell extractor in the chamber and close the action, just like you're loading another round. The back of the tool takes the place of the missing case head, while the springy steel fingers slide through the case neck and expand to positively grab the case mouth. Manually work the action to extract the broken shell and the tool. Carry one in your pocket when shooting as cheap insurance against having your range day or hunt cut short. Fits ONLY the specified caliber.

SPECS: Steel, blued. Models available for the calibers listed below.

#100-005-992AN	.223/5.56 Broken Shell Extractor, 5K7K29.....	\$ 9.99
#100-003-126AN	.308/7.62 Broken Shell Extractor, 5K6D03.....	10.99
#100-003-127AN	.30-06 Broken Shell Extractor, 5K6K03.....	10.99
#100-005-993AN	.30 Carbine Broken Shell Extractor, 5K7B29.....	9.99
#100-005-755AN	.300 Win. Mag. Broken Shell Extractor, 5K6H38.....	9.99
#100-003-128AN	7.62 x 39 Broken Shell Extractor, 5K6L03.....	10.99
#100-003-160AN	7.62 x 54R Broken Shell Extractor, 5K6H03.....	10.99
#100-005-994AN	.303 British Broken Shell Extractor, 5K7N29.....	9.99
#100-005-995AN	8mm Mauser Broken Shell Extractor, 5K7F29.....	9.99

KLEINENDORST REM 700 BARREL TOOL

Stops Lug "Cant" When Tightening Barrel

A precisely milled slot in the front of the tool holds the lug in proper alignment as you tighten the barrel into the receiver.

SPECS: Aluminum, anodized, matte finish. 8 oz. (227 g). 1 1/8" (4.8cm) long. 1 1/8" (4.9cm) wide, 3/16" (7.9mm) thick. **F/S** fits factory and Shilen lugs, **T** fits Tubb, **H** fits Holland.

#488-004-700AN	F/S 700 Barrel Lug Tool, 8H32Q50.....	\$ 32.50
#488-004-701AN	T 700 Barrel Lug Tool, 8H35L00....	40.99
#488-000-002AN	H 700 Barrel Lug Tool, 8H35P00....	40.99

parts cleaning buish, stainless steel cleaning brush, #3 acid brush, cleaning rod (4 sections with slotted tip), 8-32 to 3/16"-27 rod adapter, Double-Tuff™ phosphor bronze bore brush set (762mm, 12.7mm, 18mm & 40mm), 40mm cotton bore mop, and (100) 1 1/4" dia. heavy duty flannel cotton patches, in a heavy duty O.D. green Cordura nylon case. Case is approximately 11" (27.9cm) long, 9 1/2" (24.1cm) high, and 3 1/2" (8.9cm) thick.

#080-000-522AN Foreign Weapons Field Maintenance Pack, 8K335C61... \$ 376.99

FIELD PACK CASE - The same, heavy-duty, Cordura field case included with our Weapons Field Maintenance Packs. Made available separately for your additional tactical gear and accessories. **SPECS:** Denier Cordura nylon, O.D. green. 12" (30.5cm) long, 10 1/2" (26.7cm) high, 3 1/2" (8.9cm) thick.

#080-000-459AN Field Pack Case, 8K65F00..... \$ 75.99



ACCUTEC RUGER® 10/22®

BARREL PUSHER



Easily Removes The Barrel From The Receiver

Barrel removal tool slips into a field-stripped receiver and lets you apply controlled mechanical leverage to gently push the 10/22's friction-fit barrel from the receiver with a simple twist of a screw. Eliminates the traditional vise-and-wrench method, which can damage the barrel or receiver. Eases the chore of swapping out the factory barrel for an upgrade to an aftermarket target, match, or bull barrel. Works on any caliber 10/22® barrel. Scopes or other mounted optics can be left on the receiver. Rugged, machined tool steel construction with a non-marring Delrin® pusher. **SPECS:** A2 tool steel, black, with Delrin pusher. Approximately 3 1/8" (8.1cm) long, 1 1/8" (2.4cm) wide, 1 1/8" (4.7cm) tall. 5.5 oz. (156g) weight.

#100-006-354AN 10/22 Barrel Pusher, 7Z42A90.... \$ 49.99

MENCK REMINGTON 742, 4, 7400 WRENCH

Strongest Barrel Nut Wrench Available For These Guns

The strongest barrel nut wrench available, this heavy duty professional tool is a must for every shop. An integral web between the "jaws" of the wrench makes it substantially stronger than any other design. **SPECS:** 6" (15.2cm) x 1" (2.5cm) x 1/2" (12.7mm), blued finish, hardened. 4140 steel. 11 oz. (312 g).

#590-012-742AN Menck 742 Wrench, 9E41M99.... \$ 41.99

SURGEON RIFLES ACTION WRENCH



Prevents Damage When Installing Barrel On Surgeon Or Remington 700 Action

Easy-to-use alternative to old-fashioned T-handle action wrenches is specifically designed to prevent damage to receiver when installing and removing barrels. Lets you torque a Remington 700 or Surgeon Rifles action as close as possible to the barrel threads to eliminate unwanted twisting or bowing of the action that can result in distorted bolt raceways and other expensive damage. Inserts in the ejection port; the two "ears" fit in the raceways at the front ring. Insert a 1/2" drive ratchet handle or torque wrench and tighten/loosen the action to the barrel. Works on any length action.

SPECS: Steel, black oxide finish. Fits Remington 700 and Surgeon Rifles receivers.

#100-003-675AN Surgeon Action Wrench, 9B68E00 \$ 79.99



SHARPSHOOTER SUPPLY SAVAGE BARREL NUT WRENCH



Fits 110 Long Action & New 10 Short Action

Provides the correct wrench for all styles of Savage barrel nuts. Double-end wrench helps prevent expensive damage; fits older Savage barrel nuts with round bottom notches and the new, short action guns with square bottom notches. **SPECS:** Stainless steel. 12" (30.5cm) long. 1.186" (4.7mm) thick.

#436-100-010AN Savage Barrel Nut Wrench, 6C47P90..... \$ 47.90



JERRY FISHER PRECISION BARREL VISE

Proven Design Used By Master Gun Maker Jerry Fisher For 40+ Years!

This steel vise delivers a rock-solid clamping force to keep barrels from slipping during installation and removal. Four bolts, washers, and hex nuts join the upper and lower bodies. As the nuts are loosened, the top jaw lifts and holds open via a spring system, which provides ample clearance and a third hand when loading and unloading, plus helps prevent scratching highly finished or engraved surfaces. Comes with one set of aluminum 1.250" split barrel bushings. Additional bushings sold separately, including an unsplit, 2" long blank with a 1/8" bore for custom sizing. Two recessed holes are cut into the vise base for bench mounting. **SPECS:** Machined steel, natural finish (black oxide on hardware). 2" (5.1cm) long x 7" wide (17.8cm) x 3 1/8" (7.9cm) high.

#310-000-003AN	Fisher Barrel Vise, 1C00FBJ....	\$ 574.99
#310-000-004AN	1.150" Barrel Bushing, 1C00HLS....	54.99
#310-000-005AN	1.175" Barrel Bushing, 1C00JKQ....	54.99
#310-000-006AN	1.200" Barrel Bushing, 1C00FRS....	54.99
#310-000-007AN	1.225" Barrel Bushing, 1C00NTD....	54.99
#310-000-008AN	1.250" Barrel Bushing, 1C00KPE....	54.99
#310-000-009AN	Barrel Bushing Blank, 1C00MRI....	54.99

D.S. ARMS FN-FAL ACCESSORY TOOLS



Original FAL Tools For Service & Repair

Authentic tools necessary to keep the FAL in top operating condition. **Front Sight Tool** easily adjusts the sight for correct elevation. **Extractor Tool** makes the difficult task of removing the extractor for cleaning or repair easy. **Gas Wrench** has the strength for removing the most stubborn regulator nut. **Buttstock Wrench** is necessary for control of recoil spring when removing the buttstock.

SPECS: Steel, parkerized. Front sight tool fits all sights except Israeli.

#274-100-640AN	FAL Front Sight Tool, 4G15A00....	\$ 25.00
#274-100-641AN	FAL Gas Wrench, 4G15J00.....	25.00
#274-100-646AN	FAL Extractor Tool, 4G25P00....	35.00
#274-100-632AN	FAL Buttstock Wrench, 4G20N00....	25.00



AK-BUILDER AK-47/AKM/AK-74 GUNSMITHING TOOLS

Professional Tools For Precision Results

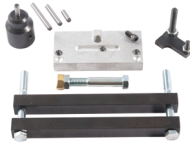
Heavy-duty bench tools were designed by the Kalashnikov experts at AK-Builder to build custom AK-pattern rifles using receiver flats and commercial parts to achieve professional results. Each jig and fixture is manufactured to correct dimensions to ensure properly-fitting finished components. Made from rugged, durable hardened steel or 6061 aluminum, so they will provide years of dependable service.

RECEIVER FLAT BENDING DIE SET - Complete jig set has everything you need to properly bend and form a 1mm thick AK receiver flat to the correct angles using a 12-ton (or more) shop press. A must-have item for building new receivers for custom rifles.
SPECS: Machined steel, black oxide finish. For use with 1mm thick receiver flats only. Illustrated instructions included.



#100-006-748AN Receiver Flat Bending Die Set, 4K173B99..... \$ 173.99

BARREL PRESS KIT - Provides full support to the barrel, receiver and trunnion for barrel removal, installation, and cross-pinning without damage. Use in your 12 ton hydraulic shop press to complete barrel removal and installation on any model of AK-pattern rifle with a stamped sheet metal receiver. Includes machined aluminum trunnion support plate, steel press ram adapter cup, steel receiver support bars, machined steel alignment pins, steel trunnion support plate, barrel pressing bolt with brass alignment nut, and complete instructions.
SPECS: Steel, black finish; bolts are cadmium plated or in-the-white. Trunnion support plate - Aluminum, mill finish. Arbor press adapter cup accepts 1" (2.5cm) diameter rams.



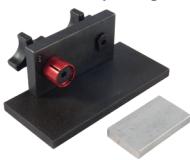
#100-006-770AN Barrel Press Kit, 4K94G99..... \$ 94.99

TRUNNION RIVETING TOOL - Heavy bench tool securely holds and properly aligns stamped AK receivers for installing front and rear trunnion rivets and center supports. Allows proper peening of all swell neck trunnion rivets including the rear rivet on sidefolder and underfolder trunnions. Protects receiver from accidental crushing when installing center support rivets. Will not install triggerguard rivets; use the Triggerguard Rivet Jig sold below.
SPECS: 4140 steel, black oxide finish. Includes bench tool, rivet head supports, four dimpling heads, and instructions.



#100-006-752AN Trunnion Riveting Tool, 4K259A99..... \$ 259.99

TRUNNION RIVET HOLE DRILLING FIXTURE - Heavy drill press fixture securely holds both front and rear trunnions so you get perfectly aligned receiver rivet holes every time. Interchangeable barrel mandrels and pre-drilled setscrews allow the user to properly align the trunnions square to the receiver, which is critical for secure trunnion riveting. Fixture includes Red Mandrel for drilling trunnions on rifles chambered in 7.62x39mm. Purchase the Blue Mandrel (sold separately) for drilling trunnions on rifles chambered 5.45x39mm.



SPECS: Steel, blue finish. For use with all models of AKM, AK-47, AK-74 and RPK. Kit includes drilling fixture, aluminum drilling bar, 762 (Red) mandrel, and instructions. 5.45 (Blue) mandrel sold separately.

#100-006-771AN Trunnion Hole Drilling Fixture, 4K64L99..... \$ 64.99

#100-006-750AN Blue 5.45mm Drilling Fixture Mandrel, 4K14I99..... 14.99

VULCANARMS FN-FAL HEADSPACE ROD



Easily Select The Correct Locking Shoulder

Stepped rod with diameters from .256" to .272" lets you choose the right locking shoulder for proper headspace. Critical for safe function. Essential when replacing a cracked, loose or worn locking shoulder. Use with GO/NO GO headspace gauges and a micrometer or dial caliper to determine proper locking shoulder.
SPECS: 4140 Steel. .256" (6.5mm) to .272" (6.9mm) diameter. 10.812" (35cm) long.

#997-100-100AN FN/FAL Headspace Rod, 7Z93P31. \$ 93.99

FA ENTERPRISES FN-FAL MUZZLE BRAKE DIE

Cleans Or Cuts Threads On Metric Barrels

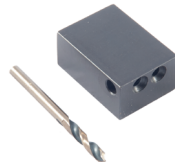
Cuts the correct, 1/8"-24, left-hand threads used on most metric pattern barrels. Use to clean up existing threads or cut new. **Thread Alignment Tool** aligns threading die to barrel. Helps prevent cross threading.
SPECS: Steel, 1 1/2" diameter. 1/8"-24 left hand.

#246-100-000AN FAL Muzzle Die, 6B52I85..... \$ 65.99

#246-000-001AN FAL Thread Alignment Tool, 6B19L00..... 24.99



TRIGGERGUARD RIVET JIGS - Steel jigs precisely aligns triggerguard for installation of new rivets or removal of old rivets and AK-type rifle. **Triggerguard Rivet Jig** aligns the triggerguard with the receiver to give the rivets a professional-looking installation. Hardened-steel block lets you set all four front rivets in one press, or one at a time. Support block can be removed for setting rivets in receivers that use a rear reinforcement plate. **Triggerguard Rivet Removal Jig** clamps to an old triggerguard and lets you drill through the center of each rivet for easy removal without slippage or damage to the receiver. Includes hardened drill bit.
SPECS: Hardened steel, black oxide finish. Instructions included.



#100-006-753AN Triggerguard Rivet Jig, 4K64L99. \$ 64.99

#100-006-754AN Triggerguard Rivet Removal Jig, 4K24M99..... 24.99

GAS PISTON RIVET DRILLING FIXTURE - For proper alignment AK gas pistons should be drilled and riveted, not held on with thread locking compound. Fixture securely holds the slippery, chrome plated gas piston to drill perfectly aligned rivet holes without a requiring a drill press. Through hole in jig provides proper alignment and safer drilling.
SPECS: Steel, black oxide finish. Includes fixture, drill bit, and instructions. For use with all models of AKM, AK-47, AK-74, and RPK.



#100-006-749AN Gas Piston Rivet Drilling Fixture, 4K22N49..... \$ 22.49

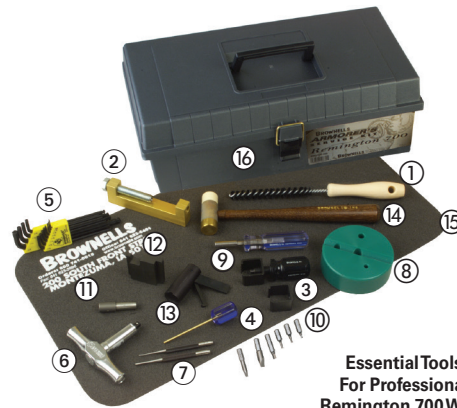
RAIL ALIGNMENT FIXTURE - Solid-steel fixture aligns the lower bolt guide rails in 1mm receivers for mistake proof spot welding and perfectly aligned rails every time. Place the rails in the fixture, clamp front trunnion in the receiver, align the lower rails parallel to the top rail and touching the front trunnion. Clamp the lower rails in place then spot weld.
SPECS: Steel, black oxide finish. Fits all models of AKM, AK-74 and RPK.



#100-006-751AN Rail Alignment Fixture, 4K22L49. \$ 22.49



BROWNELLS REMINGTON 700 ARMORER'S KIT



Essential Tools For Professional Remington 700 Work

Indispensable collection of tools includes everything you need to service Remington 700s. The kit includes hex wrenches for your scope mounts and rings, a torque wrench for the guard screws and there's even a bench mat to protect the gun while you work on it. Plus, because of the amount of work the bolt assembly does, it requires frequent cleaning, disassembly, and service. Several of the tools give you a mechanical advantage to make that process simple.

#080-000-088AN Remington 700 Armorer's Kit, 8K346J24..... \$ 425.99

① UNIVERSAL BOLT BRUSH - Long, nylon-bristled brush rids crud from the interior of the bolt.
SPECS: Plastic handle, SS shank, nylon bristles. 1 1/2" (26cm) overall.

#084-400-001AN Universal Bolt Brush, 8K6Q62.... \$ 9.99

② KLEINERDORST REMINGTON FIRING PIN TOOL - Compresses the firing pin spring for easy disassembly.
SPECS: 5/8" (14cm) long. 3/4" (19mm) wide. 1/4" (4.4cm) high. Weighs 10 oz. (28.3g). Aluminum base, steel screw.

#488-002-000AN Rem. Firing Pin Tool, 8H35E99... \$ 35.99

③ BOLT EJECTOR TOOL SET - Assists in driving out the ejector pin; one for small bolt faces, another for large.
SPECS: Steel, blued. Plastic handle. Includes instructions.

#080-792-100AN Bolt Ejector Tool Set, 8K27N54... \$ 35.99

④ BRASS ALIGNMENT & PUSH PUNCH - .120" diameter punch helps align pins, bolt stop, and bolt stop spring.
SPECS: Plastic handle, brass shank. 360 alloy shaft. 4 1/4" (12cm) long. 3/4" (8.3cm) long shank.

#080-000-025AN .120" Brass Alignment & Push Punch, 8K6M97..... \$ 8.99

⑤ BALL-HEX WRENCH SET - 12-wrench set ranges from .050 to 1/8". Excellent for installation and removal of scope rings and bases.
SPECS: 2 1/8" (7.3cm) - 6 1/8" (16.5cm) long. 12 sizes: .050", 1/16", 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8", 3/4", 7/8".

#123-109-000AN Inch Ball-Hex Wrench Set, 3B13B90..... \$ 13.90

⑥ T-HANDLE TORQUE WRENCH - 45 inch pound, torque wrench tightens triggerguard screws to Remington factory specs.
SPECS: Steel, chrome plated. 3 1/8" (8.8cm) high, 4 1/8" (10cm) wide.

#792-212-045AN 45in/lb Torque Handle, 2G93E18... \$ 116.99

⑦ PIN PUNCH SET - Two, top quality punches. Use the 1/8" punch for removing the bolt stop and sear pin; use the 1/16" punch for removing the ejector pin and firing pin cross pin.
SPECS: 4" (10.2cm) long. Sizes: 1/16" (1.6mm), 1/8" (3.2mm).

#827-525-800AN Starrett Pin Punch, 8K5G99..... \$ 5.99

#827-525-780AN 1/8" Punch, 7B5C99..... 5.99

⑧ RIFLE BENCH BLOCK - Large, 4" diameter block; won't embed or mar when pounding out pins.
SPECS: Polyethylene green. 4" (10cm) diameter, 1 1/8" (2.8cm) high.

#080-000-492AN Rifle Bench Block, 8D18C99..... \$ 18.99

⑨ MAGNA-TIP LAW ENFORCEMENT SCREWDRIVER HANDLE - Holds Magna-Tip bits (see below). Puts your hand close to the work for maximum control.
SPECS: 5/8" (14cm) overall. 1 1/4" (4.4cm) long shank. 1" (2.5cm) diameter x 3 1/8" (9.5cm) long handle.

#080-088-004AN Magnetic LE Handle, 8K11P15... \$ 14.97

⑩ MAGNA-TIP BITS - Use in Magna-Tip LE Handle or with the Square-To-Hex Converter and Torque Wrench (both included in kit) on triggerguard screws and scope mounts. 185-1 and 185-3 fit Allen head triggerguard screws. 340-5 fits slotted front and rear screws on ADL and BDL. 240-5 fits slotted center screws on ADL and sight screws. T10 and T15 Torx® bits for screws in newer scope mounts.
SPECS: Hardened steel. 1" (2.5cm) or 1 1/4" (3.2cm) long.

#080-185-100AN 1/8" Allen Bit, 8K2H52..... \$ 2.99

#080-435-010AN T-10 TORX Magna Tip Bit, 8K2Q52..... 2.99

#080-435-015AN T15 Torx Bit, 8K2F52..... 2.99

⑪ SQUARE-TO-HEX CONVERTER - Converts square shank to hex to allow use of Magna-Tip bits in torque wrench (included in kit).
SPECS: Forged steel, heat treated, 2" (5cm) long.

#084-095-230AN ZM23 Converter, 8K17Q20..... \$ 21.99

⑫ REMINGTON EXTRACTOR RIVET ANVIL - Simplifies extractor rivet peening. Fits inside bolt face recess while youpeen the extractor rivet.
SPECS: Blued, tool steel, hardened to Rc 60-63. 2 1/4" (5.7cm) high x 1 1/4" (4.4cm) wide x 1/2" (12.7mm) thick.

#080-740-000AN Extractor Rivet Anvil, 8K71I61... \$ 89.99

⑬ KLEINERDORST REMINGTON BOLT DISASSEMBLY TOOL - Removes the striker assembly in seconds for fast easy disassembly.
SPECS: 2 1/2" (6.3cm) long body. .690" (17.5mm) I.D. 1" O.D. 3 1/2 oz. (99 g). Aluminum body, steel hook and pivot arms. Fits Rem. 7 ISS, 700, 700 ISS, 40X, 600, 660, 721/722.

#488-001-000AN Remington Bolt Disassembly Tool, 8H35M50..... \$ 35.50

⑭ NYLON/BRASS HAMMER COMBO - Brass on one side, nylon on the other. Use brass to knock out pins and nylon for a more gentle persuasion.
SPECS: 1" (2.5cm) diameter faces. 11 1/2" (29.2cm) hickory handle. Weighs approximately 6 oz. (170.1g).

#818-600-100AN 1" Nylon/Brass Hammer Combo, 8A19Q99..... \$ 19.99

⑮ BENCH/FIELD GUN MAT - Soft, flexible mat unrolls when needed. Protects wood and metal finishes and is highly absorbent.
SPECS: 12" (30.5cm) x 24" (61cm).

#084-280-001AN #1 Roll-Up Gun Mat, 4H9G99.... \$ 14.99

⑯ TOOL BOX - Durable, portable toolbox makes it easy to keep organized at home or in the field.
SPECS: High-impact plastic. 15" (38.1cm) long, 7" (18cm) wide, 5" (13cm) high.

#696-100-303AN Tool Box, 6F11E98..... \$ 17.59



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BROWNELLS
... ONLY THE BEST ... PAGE 485



BROWNELLS ACTIONWRENCH SYSTEM

Eliminates Torque Damage When Installing/Removing Barrels



The only commercially available action wrench system that surrounds and supports the receiver ring and recoil lug to distribute potentially damaging torque forces equally. The solid steel base has a unique, machined relief to clear the recoil lug on most Mauser-type bolt action rifles and, the individual, bolt-on Heads are machined to provide an exact fit around and against the receiver ring or barrel nut for each of the rifle models listed. Together, they support the receiver in a ring of steel and greatly increase the amount of surface gripping area to totally eliminate twisted bolt "ways" or damaged, ruined receivers. This is the most advanced, complete, professional-quality, Action Wrench system.

System. With it, you can prevent expensive receiver damage on MOST popular rifle actions, including military models. Saves the gunsmith money, you can purchase the Handle/Base Unit complete with one of the Interchangeable Heads, then add different Heads, only as your needs grow - all for a far, far lower investment than ten, individual, specialty wrenches. **The complete listing of all rifle heads and those for handguns is found elsewhere in catalog.**

SPECS: Blued steel. **Base/Handle Unit** - 12 1/4" (31.1cm) long, 1" (25.4mm) diameter. **Interchangeable Head** - 4 1/2" (11.4cm) wide, 1 1/4" (3.1cm) thick. **Complete Wrench** - Includes Base/Handle and the required Head(s) for the model listed; 1/2"-20 2" and 3" long bolts; 3/8" Allen wrench; Instructions.

BROWNING A-BOLT - Two-piece head clamps around the forward receiver ring for complete contact on the top and sides of this uniquely-shaped receiver.

#080-800-002AN Comp A-Bolt Wrench, 8K107P53. \$ 139.99

#080-801-002AN A-Bolt Heads, only, 8K55182 69.99

1917 ENFIELD/P-14 - Machined cut in head clears projection on receiver ring. Also fits many commercial variations, such as the Remington Model 30.

#080-800-017AN Comp. 1917 Wrench, 8K88Q00. \$ 114.99

#080-801-017AN 1917 Head, only, 8K30B21 39.99

LARGE RING MAUSER - Maximum support for the receiver ring. Fits virtually all military and commercial Large Ring Mausers (like Mk X).

#080-800-098AN Comp LR Mauser Wrench, 8K83H42. \$ 109.99

#080-801-098AN LRM Head, only, 8K28D24. 34.99

SMALL RING MAUSER - Maximum support for lug and receiver ring of these relatively soft receivers that twist and crush so easily. Fits most military and commercial models.

#080-800-095AN Complete SR Mauser Wrench, 8K83N42. \$ 109.99

#080-801-095AN SRM Head, only, 8K30A21 39.99

MINI-MAUSER - One-piece head provides complete support for lug and receiver. Prevents twisting or crushing receiver.

#080-800-005AN Complete Mini-Mauser Wrench, 8K88L00. \$ 114.99

#080-801-005AN Mini-Mauser Head, only, 8K30B21. 39.99

UNIVERSAL - Flat on one side of head to fit most lever actions and some single shot receivers. Machined 45° V on back side of head can be used with shims on odd-shaped receivers when no other head will fit. Will fit Ruger M77 and French MAS.

#080-800-001AN Comp Uni. Wrench, 8K83K42 \$ 109.99

#080-801-001AN Universal Head, only, 8K30I21 39.99

SAVANNA TOOL M1/M14/M14 TRIGGER GROUP ASSEMBLY FIXTURE

Simplifies Assembly & Disassembly

Proven armorer's tool makes both assembly and disassembly a simple, one-hand task by capturing the hammer, plunger and spring so the pin can be removed, or inserted easily. Steel fixture is pre-drilled; can be attached to the bench for production work. Works for M1 Garand, M14 and M1A. **SPECS:** Steel, blued. 4" (10cm) wide, 2" (5cm) high, 3/8" (15mm) thick. Includes instructions.

#784-100-014AN Trigger Group Assembly Fixture, 4H60A50. \$ 60.50



REMINGTON 788 - Two-piece head completely encircles cylindrical style action for 100% surface contact. Bottom Head indexes on the forward guard screw for extra holding power. Includes both heads and longer bolts.

#080-800-788AN Complete Remington 788 Wrench, 8K107Q53. \$ 139.99

#080-801-788AN Remington 788 Heads, only, 8K55F82. 69.99

REMINGTON 700 - Two-piece head completely encircles cylindrical style action for 100% surface contact. Upper Head indexes on the forward guard screw and positions recoil lug properly during barrel installation. Includes both heads and longer bolts. Fits all Remington actions with receiver diameter of 1.355". Double-angle design accepts factory lug or Tubb and Shilen tapered design.

#080-800-700AN Complete Remington 700 Wrench, 8K119P99 \$ 139.99

#080-801-700AN Remington 700 Heads, only, 8K62D15. 74.99

SAVAGE 110 - Two-piece head fits completely around, and locks onto, the barrel nut with lugs on the inside radius of both upper and lower heads. Round fits older Savage 110, 10 and Striker with round groove nut. Square fits newer 110, 10 and Striker with square groove nut.

#080-800-110AN Complete Round Savage 110 Wrench, 8K83F42 \$ 109.99

#080-801-110AN Round Savage 110 Heads, only, 8K30M21 39.99

#080-800-109AN Complete Square Savage 110 Wrench, 8K107G53. 139.99

#080-801-109AN Square Savage 110 Heads, only, 8K55E82. 69.99

WINCHESTER MODEL 70/WEATHERBY MARK V - Radius on head contacts and supports a full 180° of the forward receiver ring. Recoil lug fits in recess on base. Fits both pre/post '64 actions.

#080-800-070AN Complete Win. 70 Wrench, 8K83C42. \$ 109.99

#080-801-070AN Winchester 70 Head, only, 8K30Q21. 39.99

BADGER ORDNANCE M14/M14 BOLT ROLLER GREASER

Lubricates For Optimal Performance

CNC machined tool forces grease in and around the hard to reach areas of the bolt roller to insure optimal performance and dependability. Easy to use, simply fill the cupped end with rifle grease and push onto the roller for complete lubrication. Durable polymer construction resists most solvents. **SPECS:** Polymer, black matte. 1" (2.5cm) long x 5/8" (1.6cm) dia.

#093-000-009AN Bolt Roller Greaser, 3K5Q34. \$ 6.75



M1/M14/M14 TOOLS & ACCESSORIES

M14/M1A GAS PISTON DRILLS - Correct drills fit both the gas piston stem and body to remove built-up carbon and fouling. Large, knurled handle. **SPECS:** Steel drills, aluminum handle. 8 1/2" (21.6cm) long overall.

#054-114-000AN M14/M1A Gas Piston Drill, 4E38G95. \$ 48.67

M14/M1A GAS CYLINDER WRENCH - Supports the gas cylinder so it won't be twisted by the wrench when unscrewing the gas cylinder plug. Makes it possible to separate these parts in the field without a vise. Also holds the gas piston stem during cleaning. **SPECS:** Aluminum. 6" (15.2cm) long x 1 1/2" (3.8cm) wide x 3/8" (7.9mm) thick.

#054-214-000AN M14/M1A Gas Cyl. Wrench, 4E35L95. \$ 44.95

M1/M1A RECEIVER/BARREL TIMING GAUGES - Machined aluminum gauges give a precise, repeatable indexing reference so front and rear sights can be aligned perfectly, every time. Front gauge attaches to the gas cylinder (M1) or flash suppressor (M1A); rear gauge fits in the stripped rear sight housing. **SPECS:** Machined aluminum, silver, matte finish. 6" (15cm) long, 1" (2.5cm) square. Includes illustrated instructions.

#093-200-010AN Timing Gauges, 3K71L51 \$ 71.51

M1 BOLT TIMING BLOCK - Quickly identifies a worn or damaged cartridge feeding mechanism. Tells you if the cartridge is in front of the bolt at the correct time. Machined to Arsenal specifications from Delrin. **SPECS:** Delrin®, white. 2" (5cm) W x 2.6" (6.6cm) L.

#812-001-001AN M1 Garand Timing Block, 2A38D99. \$ 38.99

M14/M1A STOCK LINER NUT DRIVER - Provides non-slip engagement for removing stubborn stock liner nuts on wooden M14 and M1A rifle stocks. Fits into any of the Brownell Magna-Tip® handles. **SPECS:** S-7 steel, 1" (2.5cm) long, 1/4" hex drive.

#093-223-040AN Stock Liner Nut Driver, 3K9P99. \$ 9.99

M14/M1A BOLT ROLLER GREASER - Pushes grease into the roller and around the lug for maximum protection from failure. Put a small amount of your favorite, high-bodied grease on the tool's recess and push it against the bolt roller. **SPECS:** Delrin body, steel handle. 2" (5cm) long.

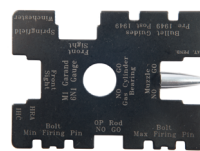
#093-223-025AN Bolt Roller Greaser, 3K8A95 \$ 8.95

SIMPLISTIC SHOOTING SOLUTIONS M1 GARAND 6N1 GAUGE

One Tool Checks Six Important Areas On Your M1 Garand

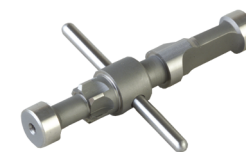
Convenient pocket tool helps you quickly and easily check tolerances of six critical areas of your M1 Garand: the bullet guide, both pre- and post-1949; muzzle wear (go/no-go); bolt/firing pin minimum/maximum protrusion; gas cylinder bearing (go/no go); op rod go/no-go; and front sight width (to determine manufacturer). Eliminates the need for to track down, acquire, and store a collection of individual gauges. Durable black oxide finish with laser-etched lettering for long wear. **SPECS:** 4130 steel, black oxide finish. 2 1/2" (6.3cm) wide, 3 1/2" (8.9cm) long.

#100-006-445AN Garand 6N1 Gauge, 1G40C71 \$ 49.99



BADGER ORDNANCE M1 GARAND GAS CYLINDER GAUGE

Check For Worn, Out-Of-Spec Gas Cylinder



Helps determine the cause of unreliable cycling or if the gas piston must be replaced with an oversize head. A precise reproduction of the original ordnance gauge, 1005-222-05, that lets you easily determine if the gas cylinder mouth, or power stroke area, is out of round, or worn beyond specifications. **SPECS:** O1 tool steel. Hardened to Rc 60.

#093-000-010AN Gas Cylinder Gauge, 3K108E30. \$ 125.27

SMITH ENTERPRISES M1/M14/M14 GAS LOCK FRONT SIGHT WRENCH

Provides Safe & Secure Installation & Removal Of Gas Lock Front Sights



Current military issue wrench supplied with the Smith Enterprises "Crazy Horse" M14 Sniper Rifles ensures gas lock front sight body cannot be damaged while doing routine field maintenance. Fully cradles and supports the gas lock front sight and helps provide precise alignment during reinstallation. Hole with steel cross pin allows wrench to double as a convenient and foolproof holding fixture for removing carbon build from the gas piston body. **SPECS:** 7075 T6 aluminum, clear hard anodized gray, matte finish. 6" (15.2cm) long, 3/8" (9.5mm) thick. 1oz. (28.3g) wt.

#851-000-066AN GLFS Wrench, 1E41H95. \$ 51.95

BATTLE ARMS DEVELOPMENT M1/M14/M14 GAS CYLINDER WRENCH

Provides A Helpful "Third Hand" During Gas System Maintenance



Compact, armorer-designed wrench enables fast, easy disassembly of key gas system components for proper cleaning. A handy gas plug holder serves as a "third hand" that retains the gas plug for easy access and keeps it from getting lost while working on the gas system. The "D"-shaped hole in the center of the wrench supports the gas piston while using a gas piston carbon removal drill bit. **BAD-T3** includes gas cylinder lock wrenches for the Garand and standard M14/M1A, separate Garand and M14/M1A gas plug holders, and the gas piston holder. Designed exclusively for M14/M1A variants, the **BAD-T4** has separate gas cylinder lock wrenches for the standard M14/M1A and the Smith Enterprise M14/MK-14, plus a gas piston holder and two gas plug holders that allow operation of the gas cylinder lock wrenches with the gas piston in place. **SPECS:** Machined 7075 T6 aluminum, hardcoat anodized. 5 1/2" (14.6cm) long, 1 1/2" (3.8cm) wide, 3/8" (9.5mm) thick.

#100-004-912AN BAD-T3 Wrench, 6D29A79 \$ 34.99

#100-004-913AN BAD-T4 Wrench, 6D29M79. 34.99

FULTON ARMORY M1 GARAND GAS CYLINDER WRENCH

No-Mar Field Disassembly For Cleaning & Maintenance



Supports the gas cylinder and keeps it from rotating when removing the gas plug. Lets you easily separate these parts without damage. **SPECS:** Aluminum, anodized, blue. 5 1/2" (14.6cm) long, 1 1/2" (3.8cm) wide, 3/8" (6.3mm) thick.

#100-000-792AN M1 Garand Gas Cylinder Wrench, 3K12B34. \$ 15.99

SADLAK INDUSTRIES M14/M1A GAS CYLINDER WRENCH

Removes Gas Plug &
Holds Piston
For Cleaning



Combination wrench holds the gas cylinder for easy gas plug removal without damage, plus the D-shaped hole prevents the piston from moving during cleaning. Small enough to store in a pocket when at the range or in the field. Machined from 1/2" thick aluminum, heat treated for extra strength, with a long-wearing baked-on mil-spec coating. Rounded edges ensure a comfortable grasp.
SPECS: 6061 T6 aluminum, O.D. green finish. 6" (14.6cm) long, 1 1/2" (3.8cm) wide, 1/2" (6.3mm) thick.

#100-005-519AN Gas Cylinder Wrench, 6A20N10 . . . \$ 22.99

BROWNELLS M1/M1A/M14 HANDGUARD CLIP PLIERS

Remove Clip Quickly & Easily
Without Damaging Gun



Indispensable tool removes the attaching clip for M1/M1A/ M14 top handguards quickly and safely without damaging the wood, the clip, or your fingers. Ergonomic handles fill the hand and provide maximum leverage. Precision machined from 6061 billet aluminum and hardcoat anodized for extra strength and years of trouble-free service. Once you use one of these, you'll wonder how you survived without it.
SPECS: Machined aluminum, black hardcoat anodized finish. Approx. 7" (18cm) long.

#080-000-361AN Handguard Clip Pliers, 8K25P17 . . . \$ 31.99

BADGER ORDNANCE M1/M14/M1A HANDGUARD CLIP PLIERS

Fast, Easy Clip Removal;
No Broken Handguards



A proven military armorer's tool that safely removes the attaching clip from M1 Garand/M1A top handguards without damage. High-quality pliers are machined from solid, lightweight aluminum with oversize handles for controlled leverage and years of lasting service.
SPECS: Machined aluminum, silver, matte finish. 7" (17cm) long. Includes illustrated instructions.

#093-200-050AN M1/M14/M1A Handguard Pliers, 3K24I95 . . . \$ 24.95

GUN RUNNERS M1/M14/M1A HANDGUARD CLIP PLIERS



Properly Removes Clip;
Won't Damage
Fragile Handguards

Laser-cut steel pliers easily remove the handguard clip on M1/M14/M1A rifles without damaging your handguard. Super-handly notches on the inner part of the handles work great to resize boogered-up clips. The pivot point is centered to give good feel and the necessary control for the job.
SPECS: Laser-cut steel, black, oxide finish. Approx. 7" (18cm) long.

#634-000-025AN Handguard Clip Pliers, 4C24A06 . . . \$ 28.99

BROWNELLS M14/M1A CASTLE NUT PLIERS

Hardened, Steel Head
Eliminates Flex,
Prevents Stripping



Thick, steel handles provide the necessary strength and rigidity to tighten and loosen the flash suppressor nut on M1A/ M14 rifles. Hardened jaw points provide precise engagement to eliminate notch stripping. Rubber sleeves give a positive gripping surface.
SPECS: Hardened steel, black oxide finish. 6" (15cm) long.

#080-000-185AN M14/M1A Castle Nut Pliers, 8K12H05 . . . \$ 14.99

M14/M1A CASTLE NUT PLIERS



The Correct Military Tool For This
Easily Damaged, Specialty Nut

Proven military tool prevents stripped notches on the flash suppressor castle nut. Hardened jaw points provide an exact notch fit for easier installation and removal of the issue flash suppressor, without damage.

SPECS: Steel, 6" (15cm) long. Parkerized finish.

#553-014-001AN Castle Nut Pliers, 3E8A00 . . . \$ 10.00

BROWNELLS BOLT ACTION FIRING PIN REMOVAL TOOL

Quickly Remove Firing
Pins From Remington
& Ruger® Rifles



A third hand for removing the firing pin from Remington and Ruger bolt action rifles without lost parts or sore fingers that sometimes accompany this tricky job. Install the correct bushing for your rifle in the end of the tool body. Screw the firing pin assembly into the bushing, and tighten the threaded, steel shank to compress and capture the mainspring. The hollow shank protects the firing pin tip as it slides over the pin to compress the spring. The crosspin can then be driven out with a punch, and the spring tension relieved by gradually loosening the shank. Includes bushings for Remington 700 family and Ruger M77® Mark II rifles. Built-in storage slot holds the unused bushing on the tool body, so it's always there when you need it.

SPECS: Aluminum base, hardcoat anodized, black. Hardened tool steel screw shank and bushings, black oxide finish. Body - 5 1/2" (13.34cm) long, 1" (2.54cm) wide, 1 1/2" (3.02cm) high. Shank - 3 1/2" (8.89cm) long. Fits Remington 700, 710, 721, 722, Model Seven, XP-100, M24, and 40X; Ruger M77® Mark II, 77/22®, 77/17®, 77/44® bolt action rifles.

#080-000-409AN Firing Pin Removal Tool, 8K46M75 . . . \$ 69.99

KLEINENDORST REMINGTON FIRING PIN TOOL



Eases Disassembly
Of Rem 40X, XP-100 & 700 Bolts

Compresses the mainspring until the cross pin can be driven out. Screw is recessed and shouldered to protect firing pin tip.
SPECS: 5 1/2" (14cm) long. 3/4" (19.0mm) wide. 1 1/4" (4.4cm) high. Weighs 10 oz. (284 g). Aluminum base, steel screw.

#488-002-000AN Rem. Firing Pin Tool, 8H35E99 . . . \$ 35.99

BROWNELLS M1/M14 BOLT DISASSEMBLY TOOL

Cradles & Secures Entire Bolt



Improved variation of the original G.I. tool turns a three-handed job into a quick, easy-to-perform operation. Two-position handle provides extra leverage to cam the bolt forward and retain the entire bolt while depressing the ejector. Extractor lifts out and drops in easily while other parts stay put.

SPECS: Aluminum body, steel handled. 4 1/4" (12cm) long, 1" (2.5cm) wide. Fits both M1 Garand and M14 bolts.

#080-818-000AN M1/M14 Bolt Disassembly Tool, 8K47J07 . . . \$ 59.99



KLEINENDORST REMINGTON BOLT DISASSEMBLY TOOL



Universal Design
Makes Disassembly
Fast, Safe & Easy

Removes striker assembly in seconds for fast disassembly of all Remington bolts. Works with spring relaxed or cocked. Hook fits into the notch of the firing pin head. Rotating the lever pulls firing pin head back and locks it. Fast and easy.

SPECS: 2 1/2" (6.3cm) long body. .690" (17.5mm) I.D. 1" O.D. 3/4" oz. (99 g). Aluminum body, steel hook and pivot arms. Fits Rem. 7 ISS, 700, 700 ISS, 40X, 600, 660, 721/722.

#488-001-000AN Remington Bolt Disassembly Tool, 8H35M50 . . . \$ 35.50

BROWNELLS SMLE FIRING PINTOOL

Modernizes
Military Design
For Fast Bolt
Disassembly



Absolutely essential for complete bolt takedown; firing pin or spring replacement on the Lee Enfield. Hollow shaft reaches over the firing pin and fits into the firing pin collar notches. Large, plastic handle for good control, won't dig into the palm. Much needed with the recent increase in SMLE imports.

#080-741-000AN SMLE Firing Pin Tool, 9A30C18 . . . \$ 39.99

GUN RUNNERS REMINGTON/RUGER® FIRING PIN DISASSEMBLY TOOL



Enables Safe, Easy
Firing Pin Removal

Machined aluminum and steel tool keeps the firing pin spring in place while you remove the cocking piece from the firing pin assembly of Remington and Ruger bolt action rifles. Just insert the firing pin assembly into the housing, tighten the threaded steel shaft to compress the spring, press out the crosspin, and gradually unscrew the shaft to relieve spring tension. Recessed ends and a wide shoulder on the shaft protect the firing pin tip as the tool presses on the bolt face.

SPECS: Aluminum body, natural finish, steel threaded compression shaft, matte blued finish. 10 1/4" (26cm) OAL opened, 8 1/4" (21cm) OAL closed, 1" (2.54cm) wide, 1" high. Fits Remington 600, 700, 710, 721, 722, Model Seven, XP-100, M24, and 40X; Ruger M77® and M77 Mark II, 77/22®, 77/17®, 77/44® bolt action rifles.

#634-000-032AN Firing Pin Disassembly Tool, 4C23J17 . . . \$ 29.99

MENCK REMINGTON/RUGER® BOLT TOOL

Eases Disassembly
Of Firing Pin & Spring
In Remington 600-700 Series
& Ruger 77, 77 Mark II



One end for Rem. 600-700, including XP-100, Model 7 and 40; the other for Ruger. Compresses spring until cross pin can be driven out.
SPECS: Body is 5 5/8" (15.1cm) long. 5/8" (15.9mm) diameter. 7 1/2" oz. (212 g). Case hardened steel.

#590-007-000AN Rem/Ruger Bolt Tool, 9E28L99 . . . \$ 28.99

Sinclair REMINGTON 700 BOLT DISASSEMBLY TOOLS



For Safe, Easy Bolt Assembly & Disassembly

Precision made tools for safe, easy bolt disassembly and assembly without scraped knuckles and lost parts. Fits all Rem. 700, Stolle Panda, and other Remington style bolts. **Firing Pin Removal Tool** removes the entire firing pin assembly from the bolt body. The thick, polymer cylinder slides over the bolt shroud to prevent scrapes or gouges. Polymer knob easily turns the steel lead screw and slowly pulls the cocking piece clear of the small detent for easy removal. **Ejector Compressor Tool** compresses ejector spring, so you can push out the pin and safely remove the spring. Includes fittings for both small (.223) and large bolt faces (.308 and Magnum). **Mainspring Changing Tool** is used for both mainspring and firing pin removal. Hand-filling, polymer knob effortlessly turns steel lead screw and compresses mainspring for easy cross pin removal.

SPECS: **Firing Pin Removal Tool** - Polymer cylinder/knob, matte black. Steel hook/lead screw. Body - 3 1/4" (8.2cm) long x 1 1/4" (3.2cm) wide. **Ejector Compressor Tool** - Aluminum, anodized, blue. Steel screw, polymer bushings, matte black. Body - 1 1/8" (1.7cm) long x 2" (5.1cm) wide. **Mainspring Changing Tool** - Aluminum, anodized, green. Steel lead screw. Polymer knob, matte black. Body - 8 1/4" (21cm) long x 3/4" (1.9cm) wide. Fits Rem. 700, Stolle Panda, and other Remington style bolts.

#749-004-116AN Firing Pin Removal Tool, 8H26I79 . . . \$ 29.99

#749-003-541AN Ejector Compressor Tool, 8H26Q99 . . . 26.99

#749-004-114AN Mainspring Changing Tool, 8H00PYR . . . 27.95

BROWNELLS BOLT EJECTORTOOL

Faster Removal Of
Plunger-Style Ejectors



Tough, steel clamp captures the bolt head, and the large-handled turnscrew depresses the ejector so the ejector pin can be safely removed or installed from bolts with plunger-style ejectors and forward-positioned locking lugs. **Set** includes turnscrews to fit both Standard and Small bolt faces plus separate bolt head retainers. One fits bolt bodies up to .720" diameter and the other fits AR-15/M16 bolts only. **AR-15/M16 Bolt Ejector Tool** also available separately.

SPECS: Steel, blued. Plastic handle. Includes instructions.

#080-792-100AN Bolt Ejector Tool Set, 8K27N54 . . . \$ 35.99

#080-792-002AN AR-15/M16 Bolt Ejector Tool, 8K16C53 . . . 20.99

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www.brownells.com

BROWNELLS
... ONLY THE BEST ... PAGE 487

MANSON PRECISION REAMERS RECEIVER ACCURIZING SYSTEM



A Real Time & Work Saver When Blueprinting Actions

Tools to help the home and professional gunsmith blueprint Remington and Winchester actions. **SPECS:** For use with Rem. 700 SA and LA, Win. 70 Classic SA and LA. **.010" Over Kit** - Includes .010" over Receiver Reamer, 1 1/8" + .010"-16 tap, .010" over Recoil Lug Reamer, (2) bushings. **Standard Kit** - Includes Standard Receiver Reamer, 1 1/8"-16 tap, (2) bushings; doesn't include Recoil Lug Reamer.

#513-000-003AN .010" Over Receiver Accurizing Kit, 3A550J00	\$ 550.00
#513-000-050AN Std Rec. Accurizing Kit, 3A500K00	500.00

PILOTED RECEIVER REAMER - Cuts receiver thread minor diameter for the Piloted Tap/Mandrel. Cuts receiver lugs to equal heights. Uses Tap/Mandrel bushings (not included). Available **Standard** or **.010" Oversize**. **SPECS:** High speed steel. 10 1/2" (26.6cm) long. **.010" Over** - 1.012" diameter; **Standard** - 1" diameter.

#513-000-004AN .010" Over Piloted Receiver Reamer, 3A175P95	\$ 175.95
#513-000-051AN Standard Piloted Receiver Reamer, 3A175M95	175.95

PILOTED TAP/MANDREL - Recuts and squares receiver threads concentric with centerline of boltway. Pilot with bushings centers tap. Available **Standard** or **.010" Oversize**. **SPECS:** High speed steel. Tap - TiN coated 10 1/2" (26.6cm) long. Includes (2) bushings. .701"-705" diameter. **.010" Over** - 1 1/8" + .010"-16 thread pitch. **Standard** - 1 1/8"-16 thread pitch.

#513-005-700AN .010" Over Remington Recv/Tap Arbor, 3A295C95	\$ 295.95
#513-000-052AN Standard Remington Receiver Tap, 3A295B95	295.95

RECEIVER RING FACING CUTTER

Three, carbide cutters give even cutting pressure to square up the face of your receiver. Tapered handles let you turn the tool smoothly. Guided by the pilot on the tap listed above.

SPECS: Aluminum. Teeth - Approximately 3/8" (9.5mm) long, 5/32" (4mm) wide. 6 1/2" (17.1cm) OAL with handle.

#513-000-053AN Rec. Ring Facing Tool, 3A100L00 \$ 100.00

.715" BOLT-WAY REAMER

Steel reamer gives a precise .715" bolt-way cut to correct any variance along length of any .700" diameter bolt tunnel in the action. Includes two .7145" bushings for use with other Manson tooling. Bolt must be shimmed for proper fit in oversized way.

SPECS: High speed steel, 12" (30.4cm) long. Gunsmith installation required.

#513-000-070AN .715" Rem. Bolt-Way Reamer, 3A289A99..... \$ 289.99

BOLT BODY SHIM SET

Precision-formed carbon steel shims take up the gap and center the bolt body after truing the receiver with the .715" Bolt-Way Reamer. Saves time and effort by eliminating the need to fabricate shims from scratch. To install, undercut the bolt body to accept the shims and solder or adhere



BROWNELLS BOLT EXTRACTOR PLIERS



Greatly Simplifies Assembly & Disassembly Of Mauser, Springfield, Enfield & Similar Bolts

Made specifically to greatly simplify assembly and disassembly for these bolts - especially if the spring is stiff or your hands are greasy. Work as follows:

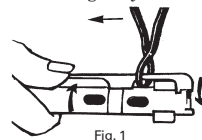


Fig. 1

DISASSEMBLY

Fig. 1: Turn extractor clockwise. Insert pliers and tilt toward rear of bolt to clear extractor from bolt groove. Now turn pliers and slip off both pliers and extractor spring.

ASSEMBLY

Fig. 2: Encircle bolt with pliers and squeeze extractor collar closed firmly. Slip extractor onto bolt collar, remove pliers.

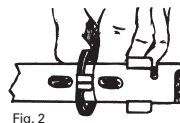


Fig. 2

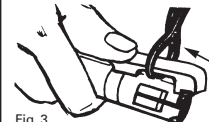


Fig. 3

Fig. 3: Now grasp pliers under extractor as shown and force lead edge up and clear of bolt face. Slide extractor rest of way onto bolt, then rotate into groove. **SPECS:** 6" (15.2cm) long. Blued steel.

#080-017-000AN Bolt Extractor Pliers, 8K20K96 .. \$ 24.99

BROWNELLS REMINGTON RIFLE EXTRACTOR RIVET ANVIL

Simplifies Extractor Rivet Peening

Fits inside face bolt recess to support back side of the extractor rivet while youpeen the other end to lock a new extractor in place.

SPECS: Blued, tool steel, hardened to Rc 60-63. 2 1/4" (5.7cm) x 1 1/4" (4.4cm) x 1/8" (12.7mm) thick.

#080-740-000AN Extractor Rivet Anvil, 8K71K61 .. \$ 89.99

them in place with the included retaining compound. Front and rear two-piece shims are manufactured to precise tolerances and pre-contoured to ensure a perfect fit on any .700" diameter bolt body. After installation, machine shims to .7135"-.7145" O.D. to provide proper clearance for snug bolt fit and ensure reliable cycling.

SPECS: Carbon steel, polished finish. Front Shims - Nominal .400" (10.2mm) wide x .012" (.305mm) thick. Rear Shims - Nominal .700" (17.8mm) x .012" thick. Includes front and rear shims, retaining compound, and complete instructions.

#080-000-507AN Bolt Body Shim Set, 8K16Q91 .. \$ 20.99

REM 700 BOLT FALSE CENTER

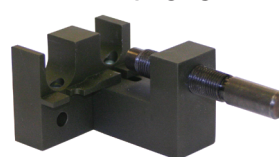
False center tool provides the gunsmith with an accurate and convenient way to center and securely support a Remington 700 bolt body in the tailstock when performing accurizing work on a lathe. Threaded end of tool tightens into the bolt body when the shroud and firing pin assembly are removed. Milled flats allow you to "snug-up" the tool with a wrench. The right tool for the job when squaring-up bolt lugs, recutting the bolt face, or using the lathe for any bolt body blueprinting operation. Machined from hardened, high speed tool steel for years of reliable service.

SPECS: HS steel, in-the-white. 1 1/8" (4.8cm) long x 1/2" (1.3cm) diameter.

#513-000-090AN Remington Bolt False Center, 3A50G00..... \$ 50.00



BROWNELLS EJECTOR REMOVAL TOOL



Eliminates The "Lost Parts" Hassle When Working On Rifle Bolts

Versatile fixture lets you remove plunger-style ejectors from standard .700" and .510" diameter bolts quickly and safely

without launching parts across the room. Works for a variety of popular rifles, including AR-15, AR-style .308 rifles, Remington 700, Winchester 70, Savage, and Sako. Rugged, lightweight body machined from 6061 billet aluminum securely holds bolt while threaded, tool steel shank compresses and captures ejector spring and aligns the roll pin for easy removal with a punch. Gradually loosen the shank to relieve spring tension.

SPECS: Anodized 6061 aluminum body, dark green, steel shank. 3 3/8" (9.7cm) long with shank fully screwed in, 2 1/4" (5.7cm) wide, 1 1/4" (4.5cm) high. Fits AR-15, AR-style .308 rifles, Remington 700, Winchester 70, Savage, and Sako rifles.

#080-000-420AN Ejector Removal Tool, 8K45D51 .. \$ 63.99

MANSON PRECISION REAMERS BOLT FACETRUIING TOOLS

Squares Bolt Face To Receiver

Requires only hand tools to cut the bolt face square and concentric to the boltway. Tooling block locates in the front receiver ring; turn the facing burr with a slow speed drill motor. Use after bolt lapping and squaring receiver face.

SPECS: High speed steel, carbide cutter head. Fits Remington 700 receivers. Use requires Tooling Block and one Facing Burr.

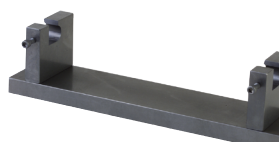
#513-000-008AN Tooling Block, only, 3A100P00 .. \$ 100.00

#513-000-009AN .223 Facing Burr, 3A65J00 .. 65.00

#513-000-011AN .308 Facing Burr, 3A65B95 .. 65.95

#513-000-012AN Magnum Facing Burr, 3A84D99 .. 84.99

BROWNELLS RECEIVER CONTOURING FIXTURE



Fast, Accurate Milling & Contouring

Lets the receiver rotate around its own axis for precise removal of charger guides, rear bridges, or pits and dings.

SPECS: Steel, blued 13" (33cm) long, 3" (7.6cm) wide. Requires Receiver Facing Mandrel.

#080-914-000AN Receiver Contouring Fixture, 8K99B99..... \$ 128.99

BROWNELLS RECEIVER WAY POLISHER



Fast, Accurate Polishing To Smooth Bolt Travel

This heavy, "Big Bar" helps you polish the rails the bolt lugs ride on. Wrap abrasive paper around the end, tighten the set screw, then slide along the "ways" (rails). Gives great control and fast cutting.

SPECS: Blued steel. 11 1/8" (24.4cm) long. .915" (23.2mm) wide.

#080-055-000AN Receiver Way Polisher, 8K44N61 .. \$ 53.95

BROWNELLS RECEIVER FACING CUTTER & PILOTS



Trues The Receiver Face For A Highly Accurate Rifle; Eliminates Lathe Work

Hardened steel cutter and pilots provide the perfect combo for accurizing Remington 700 and AR-15 actions without a lathe. Large, 1 1/4" diameter

cutter squares the receiver face to the boltway for precise mating to the barrel. Twelve, 90° flutes deliver even pressure and a smooth, chatter-free cut when used with Brownells Muzzle Facing & Chamfering T-Handle (#080-589-000) or our Drill Chuck Adapter (#080-962-000). .700" diameter pilot fits factoryoriginal Remington 700 receivers. 1" facing pilot fits AR-15 upper receivers.

SPECS: Hardened steel, polished finish. **Cutter** - 90°, 2" (5.1cm) long x 1 1/4" (3.8cm) O.D. **Pilots** - 2" long x .700" (17.8mm) or 1" (25.4mm) O.D.

#080-000-194AN Receiver Facing Cutter, 8K56H40	\$ 70.50
#080-000-195AN 1" Receiver Facing Pilot, 8K22F98	28.99
#080-000-197AN .700" Receiver Facing Pilot, 8K22F71	28.99
#080-589-000AN Facing & Chamfering Tool Handle, only, 1/2"-20 thread, 8K10J91	14.99

BROWNELLS RECEIVER FACING MANDREL



Locates Receiver Between Centers For Facing Off & Contouring

Precision-machined to correctly center the receiver for lathe turning - ensures that receiver ring and threads will be square. Lets you use a tool-post grinder for fast, accurate recontouring of external surfaces - like removing a Mauser's charger guide. **SPECS:** Steel. 12 1/2" (31.34cm) long. 1 1/2 lb. (680 g).

STOCK #	FITS	PRICE
#080-098-017AN	Enfield	8K60G73 \$ 74.99
#080-098-096AN	Small Ring Mauser	8K75L83 \$ 93.99
#080-098-001AN	Large Ring Mauser	8K69H33 \$ 84.99
#080-098-003AN	'03 Springfield	6K60B73 \$ 74.99
#080-098-700AN	Remington 700	8K69L99 \$ 86.99
#080-098-070AN	Win. Model 70	6K67L95 \$ 125.95

BROWNELLS 10/22® RECEIVER DRILLING JIG



Accurately Locates A Cleaning Rod Hole On 10/22 Receivers

Permits barrel cleaning from the rear without removing the barrel; eliminates accuracy-destroying muzzle wear caused by cleaning from the muzzle. Locates the correct spot at the rear of 10/22 receivers for drilling a .257" hole to allow

the cleaning rod to pass through. **SPECS:** Steel, blued. 4" (10.2cm) long.

#080-917-000AN 10/22 Rec'r Drill Jig, 8K39J98 .. \$ 49.99

TOLL FREE: 800-741-0015

BROWNELLS BOLT LAPPING TOOLS



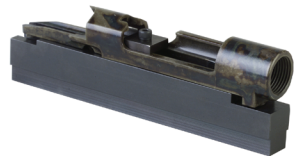
Gives Constant Spring Pressure For Precise Mating Of Locking Lug Recesses

Spring-loaded tool gives constant, straight-back pressure to keep bolt lugs square against the receiver while lapping with 600 to 800 grit, silicon carbide abrasive. Provides better results than mere thumb pressure. Interchangeable threaded sleeves fit popular actions listed on chart. **USA**
SPECS: 3 1/4" (9.5cm) long, 3/4 lb. (340 g). **M14/M1A Set** sleeve includes large diameter plunger and special lapping handle required for these models. **Mauser Large** sleeve fits large ring Mauser actions. **Mauser Small** fits small ring Mauser actions. **Savage Small** sleeve fits Savage actions in all calibers except Rem Ultra Mag (RUM), Rem SA Ultra Mag (RSUM), and Win Short Mag (WSM). **Savage Large** sleeve fits Savage actions on ly in RUM, RSUM, and WSM calibers. **One Gun Set** contains bolt tool body, plunger, and correct size sleeve for model listed. **M14/M1A One Gun Set** contains bolt tool body, large diameter plunger, correct size sleeve, and special sleeve, and special bolt lapping tool unique to M14/M1A/M1 Garand only. **Kit** contains all tools necessary to lap all models listed in chart. ****Special price, see below.**

STK# 1-GUN SET	STK# SLEEVE	FITS
#080-097-701AN	#080-097-700AN	Remington 700
#080-097-170AN	#080-097-070AN	Win. 70/Ruger M77
#080-097-101AN	#080-097-014AN	M14/M1A/M1 Garand
#080-097-198AN	#080-097-098AN	Mauser Large
#080-097-196AN	#080-097-096AN	Mauser Small
#080-097-004AN	#080-097-001AN	Savage Small
#080-097-005AN	#080-097-002AN	Savage Large

— Advise # — One Gun Bolt Lap Set, 8K42Q23 . . . \$ 52.99
 — Advise # — Individual Thread Sleeve, 8K18F56 . . . 25.99
 #080-097-101AN *M14/M1A Bolt Lap Set, 8K51C98 . . . 64.99
 #080-097-113AN Bolt Tool Body & M14/M1A Plunger, only, 8K27K50 . . . 36.99
 #080-097-014AN **Garand Sleeve & Handle, 8K28P75 . . . 38.99
 #080-097-100AN Bolt Tool Body, only, 8K27C57 . . . 36.99
 #080-097-000AN Bolt Lapping Tool Kit, 8K179I99 . . . 251.99

BROWNELLS MAUSER RECEIVER HOLDING FIXTURE



Provides A Stable Platform For Working On Mauser Receivers

Securely holds Mauser receivers and barreled actions in a bench vise, drill press or milling machine. Ideal when drilling

and tapping for scope bases, polishing, bolt lapping, milling or other modifications - without the worry of crushing or damage. The receiver is rigidly clamped to the fixture using a plate inside the receiver rails and/or the stock mounting screws. Fits military and commercial M98 actions. **USA**
SPECS: Steel, blued. 9" (22.8cm) long, 1" (2.5cm) wide. Includes clamp plate and bolt.

#080-919-000AN Mauser Receiver Fixture, 8K67D67 . . . \$ 89.99

BROWNELLS BOLT FACING LATHE BIT

Expertly Ground, Ultra-Hard Cobalt Alloy

Cobalt alloy bit provides maximum cutting force to open bolt faces to magnum dimensions. Back rake, front and side clearance, lip angle, cutting angle and chip rake are ground to give best performance in bolt steels. A must if you don't have a tool-post grinder.

SPECS: 2 1/8" (5.4cm) long, 1/4" (6.3mm) or 3/16" (7.9mm) square.

#080-659-250AN 1/4" Bolt Facing Bit, 3B13D26 . . . \$ 20.99

#080-659-375AN 3/16" Bolt Facing Bit, 3B17C12 . . . 24.99

CHAPMAN SAFETY MILLING FIXTURE

Correctly Holds Bolt Shrouds For Milling



Cuts machine time in half by doing milling cuts in three easy steps. Holds 98 or '03 bolt shrouds. Detailed instructions included. **USA**

SPECS: Machined aluminum. 4" (10.2cm) lg, 3" (7.6cm) w, 1" (2.5cm) thick.

#201-100-000AN Safety Milling Fixture, 1K50G00 . . . \$ 50.00

SAFETY INSTALLATION TOOLING - Correctly modify military safety shrouds to accept two-position safeties from Chapman and Precise Metalsmithing. **SPECS:** Combination Arbor - Steel, blue. 1/2" (12.7mm) shank, accepts 1/2" through 1" arbor slotting saws. Slotting Saw - HSS, 30 tooth, 3" (7.6cm) dia., 1" (2.5cm) dia. arbor, 1/8" (3.1mm) thick. Woodruff Cutter - HSS, 1" dia., 1/2" (5.5mm) thick, shank dia. 1/2" (12.7mm).

#549-827-105AN Combination Arbor, 9D33A13 . . . \$ 33.13

#549-031-330AN Slotting Saw, 9D34A00 . . . 38.99

#549-030-601AN Woodruff Cutter, 9D29L99 . . . 29.99

BROWNELLS REMINGTON 700 SAKO EXTRACTOR INSTALLATION JIG



Provides Accurate, Consistent Setup; Saves Valuable Shop Time

Precision made, steel V-block provides consistent, repeatable machine setups and avoids costly milling mistakes while improving production time. V-block jig acts like a vise and clamps the rifle bolt at the correct milling angle for the perfect extractor cut. Compact unit fits standard mill vises and provides plenty of working space for fast, accurate turn-around. A must-have for fitting Sako extractors to Remington 700 bolts. Instructions included.

SPECS: Steel, black oxide finish. 3" (7.6cm) long, 1 1/4" (3.2cm) wide, 1 1/2" (3.8cm) high.

#080-000-505AN Sako Extractor Jig, 8K53M04 . . . \$ 79.99

BROWNELLS M-98 BOLT SHROUD TAP

Restores Internal Threads After Welding



Specially manufactured tap easily cleans and chases the internal buttress threads after welding or shaping of the bolt handle. Quickly and safely removes heat scale and oxidation without altering the size or fit of the bolt shroud threads. **USA**

SPECS: High speed steel .528"-13, 60° buttress threads.

#080-598-513AN Mauser Bolt Shroud Tap, 2K74N24 . . . \$ 93.99

BROWNELLS BARREL/RECEIVER TAPS & DIES



Clean Up Barrel & Receiver Threads For Fast, Easy Installation



Clean and chase dinged or imperfect threads, either on the barrel or in the receiver. Real lifesavers for any rebarreling job, especially good when installing any of our "no-lathe", prethreaded barrels. Thanks to Walt Warren for his suggestion. **USA**
SPECS: High speed steel. Dies are 2" diameter except Savage which is 2.5" diameter. **.980"-12 tpi** fits Small Ring Mauser (plug tap cuts full-depth threads on small ring 98s with internal shoulder); **1.00"-16 tpi** fits FN-FAL; **1.10"-12 tpi** fits Large Ring Mauser; **1 1/16"-16 tpi** fits Remington 700 and XP-100; **1.055"-20 tpi** fits Savage 110/112.

#080-598-980AN Small Ring Mauser Tap, 2K92J00 . . . \$ 109.99

#080-598-981AN Small Ring Mauser Die, 2K115P00 . . . 135.99

#080-598-982AN FN-FAL Tap, 8K78J00 . . . 89.99

#080-598-151AN FN-FAL Die, 8K109N00 . . . 137.99

#080-598-111AN Large Ring Mauser Tap, 2K110A00 . . . 129.99

#080-598-110AN Large Ring Mauser Die, 2K139I00 . . . 169.99

#080-598-116AN Remington 700 Tap, 2K72H00 . . . 86.99

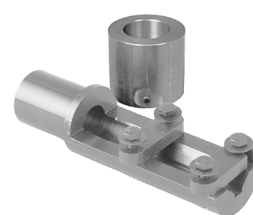
#080-598-117AN Remington 700 Die, 2K115P00 . . . 128.99

#080-598-155AN Savage Tap, 2K95F00 . . . 114.99

#080-598-156AN Savage Die, 2K150E00 . . . 169.99

#325-100-186AN #49 Die Stock, 5B15B99 . . . 15.99

LA BOUNTY BOLT FIXTURE & ACTION TRUING SLEEVE



Faster, More Precise Lathe Setup For Turning Bolts & Truing Actions

Bolt Fixture - A simple and rigid lathe fixture that holds most common rifle bolts in a four-jaw chuck for face and locking-lug truing (both front and rear surfaces) or opening up the face to accept magnum cartridges. **Action Truing Sleeve** - Steel

sleeve is pre-drilled to securely hold Remington 700 actions by the front ring. After turning the O.D. of the sleeve on centers, sleeve and action can be located in a four-jaw chuck for accurate truing of locking lug recesses and single-pointing or tapping of barrel threads. **Receiver Mandrels** - Trues action to bolt raceway rather than threads, which may not be aligned to action. Two sizes (.701" and .703") to fit actions with nominal .700" diameter raceways. Spare .703" mandrels available separately. Instructions included.

SPECS: Bolt Fixture - Steel, blued 7" (17cm) long, 1 1/2" (4cm) diameter shank, includes clamps and screws. **Action Truing Sleeve** - Steel, in-the-white. 2" (5cm) long, 2 1/4" (5.7cm) diameter. **Receiver Mandrels** - Steel, hardened to Rc 45, in-the-white, 10" (25.4cm) long, .701" (17.80mm) and .703" (17.86mm) diameter. Fits nominal .700" diameter bolt action receivers.

#521-100-000AN Bolt Fixture, 1B165M00 . . . \$ 165.00

#521-101-000AN Action Truing Sleeve, 1B14F50 . . . 14.50

#521-103-000AN Set of 2 Receiver Mandrels, 1B60J00 . . . 60.00

#521-103-703AN .703" Receiver Mandrel, 1B22F95 . . . 22.95

SAKO EXTRACTOR MILLING CUTTERS



Helps You Install A Durable Sako Extractor On Your Remington Bolt

Carbide, center-cutting, four-flute mills precisely cut the groove necessary to install a Sako extractor on your Remington bolt for positive, reliable extraction. High-cobalt content improves feed rates for fast cutting. Order the cutter that matches the width of your Sako extractor. **USA**

SPECS: High-cobalt carbide. Order cutter that matches your Sako extractor slot width.

STOCK #	SLOT WIDTH	SIZE	PRICE
#317-000-005AN	.152"	3/32"	7A24E99 \$ 24.99
#317-000-006AN	.172"	1/16"	7A24I99 \$ 24.99
#317-000-007AN	.231"	15/64"	7A32F40 \$ 32.40

BROWNELLS MAUSER 98 CROSS BOLT WRENCH



Fits M-98, 2-Pin, Cross Bolt Nut

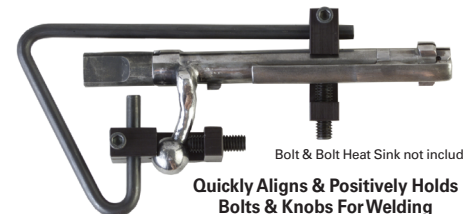
Correct pin spacing, O.D. and relieved center for fast removal of M-98 stock cross bolts. **USA**

SPECS: Tool steel, 4 1/4" (10.8cm) long x 3/16" (14.3mm) diameter.

#080-098-100AN Mauser 98 Cross Bolt Wrench, 8K22D49 . . . \$ 26.99

#080-098-104AN 4 Replacement Pins for Mauser Cross Bolt Wrench, 8K5J45 . . . 7.99

BROWNELLS BOLT WELDING JIG



Bolt & Bolt Heat Sink not included

Quickly Aligns & Positively Holds Bolts & Knobs For Welding

Makes it possible to lock both knob and bolt precisely in the desired relationship and hold them firmly, while leaving adequate space to weld by either the acetylene or arc methods. The jig simplifies what used to be a real chore, setting the knob and bolt into correct alignment. Without the jig to hold it all together, one incautious movement could upset the alignment, leaving the work to be done all over again. The improved, bent arm leaves plenty of room so you can install a heat sink, plus gives easier access for the welding torch.

The jig employs a different approach to aligning the handle to the bolt by using a protractor supplied with the jig kit. Full and completely illustrated instructions are supplied with each jig set. They assure an accurate setup.

The Brownell Bolt Welding Jig will pay for itself many times over during the course of the years - not only in time but in saved dispositions! Further, it makes it possible for the man who does not have welding facilities in his shop to get the bolt all ready to weld, and then take it to a professional welding shop for the final work. If you have ever tried to explain to a non-gun-loving welder how you wanted the job done and then stood there and watched him "botch it up", the great value of the JIG to you is even more apparent! **USA**

SPECS: "V" clamps are 2 1/4" (6.6cm) long x 3/4" (15.9mm) wide x 1 1/4" (3.2cm) high with 1" (2.5cm) clamp opening. One leg is 4" (10.2cm) long and the other is 7" (17.7cm).

#080-016-000AN Bolt Welding Jig, 8K33A56 . . . \$ 41.99

Orders/Tech: 800-741-0015

order on the web
www.brownells.com

BROWNELLS
... ONLY THE BEST ... PAGE 489

BROWNELLS BOLT HEAT SINKS FOR BOLT WELDING & FORGING



Protects Critical Locking Lugs When Welding Or Forging Bolt Handles

Provides protection to locking lugs when welding or forging bolt handles by pulling heat away from these critical areas and dissipating it. Especially effective when used with Heat Control Paste. Threaded to fit securely into rear of bolt body, giving additional protection to interior threads by preventing scale formation. Flats milled on end allow use of wrench. Available separately or as a Set of five.

SPECS: Steel, blued. 4/4" (10.8cm) to 5/4" (14cm) long depending on the model. #1 - 1903 & 03A3 Springfield, #3 - 98 Mauser, #4 - Remington 700, #5 - Winchester M70.

- #080-638-001AN #1 Bolt Heat Sink, 8K20G76 . . . \$ 24.99
 #080-638-003AN #3 Bolt Heat Sink, 8K20M76 . . . 24.99
 #080-638-004AN #4 Bolt Heat Sink, 8K20A76 . . . 24.99
 #080-638-005AN #5 Bolt Heat Sink, 8K20A76 . . . 24.99
 #080-638-000AN Bolt Heat Sink Set, 8K73164 . . . 100.99

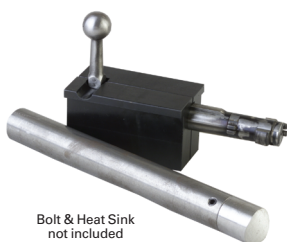
BROWNELLS MAUSER BOLT FORGING BLOCKS

Massive Blocks Make Custom Forging, Bolt Knob "Sweep" Easy

No-welding method to bend a straight Mauser bolt handle for additional scope clearance. Two, machined steel, clamping blocks fully support the bolt to shape original, 93, 94, 95, 96 or 98 Mauser, round knob handle. Extra large Forming Punch has sufficient mass for complete control, lets you apply just the right amount of striking force to precisely bend and shape bolt handle to final contour. With some practice you can forge the handle so nicely that only a bit of finishing is needed. Punch has removable, hardened tip that retains its shape with repeated use. Complete instructions.

SPECS: Blocks - Steel, blue finish. 3/4" (8.9cm) long. 2" (5cm) high. Punch - 1" (2.5cm) diameter, 8/4" (22.5cm) long.

- #080-941-500AN Bolt Forging Block Set, 8K55H15 . . \$ 78.99
 #080-928-000AN Bolt Forging Blocks, 8K53B12 . . . 69.99
 #080-941-000AN Bolt Forging Punch, 8K21G20 . . . 29.99



Bolt & Heat Sink not included

BROWNELLS CENTERFIRE/RIMFIRE FIRING PIN PROTRUSION GAUGE



Accurately Records Critical Firing Pin Protrusion On Both Centerfire & Rimfire Bolt

Correct firing pin protrusion is critical to the entire ignition sequence. Elliptical face on the recording plunger allows accurate measuring of both rimfire and centerfire pin protrusion to within .0001". To Use: Unlock plunger, place gauge over protruding firing pin, lock plunger, lift from bolt and mike overall length. Difference between original length and miked overall length of body plus plunger, is amount of pin protrusion.

SPECS: 1/4" (12.7mm) dia., .90" (23mm) lg. Hardened plunger.

- #080-782-000AN Firing Pin Gauge, 8K31C78 . . . \$ 39.99

ARA-MOR THROAT EROSION GAUGE

Instant, At-A-Glance Barrel Throat Wear Indicator



Gives accurate, comparative readings on actual barrel throat erosion for all M1, M14 and M1A .30-06 and 7.62mm Nato rifles. Insert in empty chamber and take reading every 1,000 rounds to accurately measure and track barrel throat erosion.

SPECS: Steel. Approximately 4" (10cm) long. Includes .30-06 and .308 chamber spacers and complete instructions.

- #022-101-030AN Throat Erosion Gauge, 2B70Q29 \$ 79.99

BOLT RIFLE SPACERS

Measures throat erosion for .30-06 caliber 03/A3, Win. M-70 and Rem. 40-X rifles, and .300 Win. Mag. caliber Win. M-70 and Rem. 40-X rifles.

- #022-101-306AN .30-06 Throat Erosion Spacer, 2B13C99 . . . \$ 13.99
 #022-101-300AN .300 Mag Throat Erosion Spacer, 2B13I99 . . . 13.99



W.H. MERCHANT THROAT EROSION GAUGE

Instant Read-Out Checks Throat Wear

Presents a quick and accurate indication of barrel/throat wear. Use every 1,000 rounds to obtain a comparative reading of throat erosion. Provides match shooters and varmint hunters an easy, convenient method to determine remaining barrel life. Models for rifles chambered in .223, .30 M1 Carbine, and .30-06 M1 Garand. The other end of the Garand gauge is calibrated to measure bore erosion at the muzzle.

SPECS: Steel. Includes complete instructions. .223 - Also fits .222 and .22-250. 3/4" (8.9cm) long. .30 M1 Carbine - 2 1/4" (5.2cm) long. .30-06 M1 Garand - 5" (12.7cm) long.

- #565-017-223AN .223 Throat Gauge, 5F35F36 . . . \$ 44.19
 #565-000-008AN .30 M1 Carbine Throat Gauge, 5F35C95 . . . 44.95
 #565-000-009AN .30-06 M1 Garand Throat Gauge, 5F34Q48 . . . 39.99
 #565-000-011AN M14/M1A Throat Erosion Gauge, 5F35E95 . . . 44.95

MENCK

.22 CHAMBER IRONING TOOL

Swages Dry Firing Burrs Out Of .22 Chambers

Swages out burrs in .22 chambers caused by excessive dry firing. Insert and turn, or tap against burr until chamber is smooth and round again. Can be pushed in and turned with its own handle, a MAG-NA-TIP® or a small wrench or, threaded into an 8-32 cleaning rod and pulled into the chamber, or driven into the chamber from the rear with a small punch.

SPECS: 1 1/4" (2.7cm) long. (tool only). 7 1/4" (18.4cm) long w/ handle. Wt. 1 1/2 oz. (43 g). Swage is case hardened 1117 steel.

- #590-009-022AN .22 Ironing Swage, 9E23J99 . . . \$ 23.99

View our How-To Video Guides at
brownells.com

HORNADY OVERALL LENGTH GAUGE



Helps Minimize Bullet "Jump" For Accurate Handloads

Use this adjustable gauge, modified case, and your dial calipers to help you select the optimum bullet seating depth for your bolt rifle. Includes instructions.

SPECS: Gauge - Machined aluminum, 12" (30cm) long, anodized finish, red. Modified Case - Brass. Purchase Gauge and Modified Case separately. **Straight Gauge** for bolt and single shot actions. **Curved Gauge** for auto, pump, and lever actions.

MODIFIED CASES			
STOCK #	CALIBER		PRICE
#829-200-223AN	.223 Remington	1C5D05	\$ 5.49
#829-200-225AN	.22-25 Remington	1C5E05	\$ 5.49
#829-200-243AN	.243 Winchester	1C5H05	\$ 5.49
#829-000-024AN	.260 Remington	1C5L05	\$ 5.49
#829-200-270AN	.270 Winchester	1C5P05	\$ 5.49
#829-200-708AN	7mm/08 Remington	1C5G05	\$ 5.49
#829-200-284AN	7mm Remington Mag.	1C5F05	\$ 5.49
#829-200-308AN	.308 Winchester	1C5K05	\$ 5.49
#829-200-306AN	.30-06 Springfield	1C5I05	\$ 5.49
#829-200-300AN	.300 Winchester Mag.	1C5C05	\$ 5.49
#829-200-000AN	Straight Overall Length Gauge, 1C35K99 . . .		\$ 35.99
#829-200-001AN	Curved Overall Length Ga, 1C40A86 . . .		51.99

BROWNELLS CERROSAFE® CHAMBER CASTING ALLOY

Never Wears Out - Use Over & Over

There are various products on the market which can be used to make a cast of a gun chamber. To be certain that the product we are offering you is the best and most practical, we contacted the basic manufacturer. They recommended Cerrosafe because of its unique features. Unlike Woodsmetal which swells upon cooling and cannot be removed from a gun chamber, Cerrosafe shrinks during the first 30 minutes of cooling and then at the end of an hour, is EXACTLY chamber size. At the end of 200 hours it will have expanded approximately .0025". This factor is well known by all toolmakers and they will take it into consideration when making dies or reamers or gauges from your cast - if you will tell them the cast is of Cerrosafe. Cerrosafe melts between 158° - 190° F. It should be melted in a clean, iron ladle. Source of heat should be removed as soon as the alloy is completely melted, at which time it is ready to pour. The solidified casting should be removed from the chamber before, or when, it cools to room temperature. If allowed to remain in the mold over an hour, it will grip the chamber walls and be difficult to remove. Clean the chamber of the rifle thoroughly, then plug the bore immediately ahead of the throat with a small rag - but not so tightly it cannot be driven out. If possible, pour the molten Cerrosafe through a small tube into the bottom of the cast, gradually removing the tube as the chamber fills. If the barrel is cold, warm it to room temperature or above before making the cast. When cooled, remove from chamber, using a rod or dowel from the muzzle end of the gun.

SPECS: Sold by weight. Alloy. Infinitely reusable.

- #080-027-100AN 1 lb. Cerrosafe Alloy, 8K32Q94 . . \$ 45.99
 #080-027-050AN 1/2 lb Cerrosafe Alloy, 8K20C94 . . 24.99

BROWNELLS RIFLE POLISHING SYSTEM



Cures Sticky Extraction For Fast, Reliable Cycling

Abrasive silicon carbide balls polish rough or scored chambers smooth and friction free in only minutes. Helps cure sticky extraction for

faster, more reliable cycling. Use **Flex-Hone Oil Only**. Instructions included. **SPECS:** Fine-grit silicon carbide abrasive, twisted steel shafts. Must be used with Flex-Hone oil. #223/5.56 - 8" (20cm) long shank. #38/.357/.44/.45 - 14" (35.5cm) long shank.

- #080-000-717AN .223/5.56 Rifle Hone, 8K38H27 . . \$ 49.99
 #080-608-338AN .38/.357 Rifle Hone, 8K29Q97 . . . 40.95
 #080-608-344AN .44 Rifle Hone, 1B31M49 . . . 42.99
 #080-608-345AN .45 Rifle Hone, 1B31Q49 . . . 42.99

FLEX HONE OIL - Specially formulated for use with Flex Hone brushes. Contains both honing and lapping oils in a petroleum base that will not harm aluminum, brass or steel. (Use of other oils destroys abrasive ball and voids guarantee.)

- #080-609-008AN 1/2 Pint Flex Hone Oil, 1B9L99 . . \$ 13.49
 #080-609-000AN Quart Flex Hone Oil, 1B15N83 . . 21.98

SUPERIOR SHOOTING SYSTEM FINAL FINISH SYSTEM™

Polishes Bore, Reduces Fouling, Gives Easier Cleaning

Abrasive coated bullets polish bore and throat to remove tool marks, rough areas and high spots. Eliminates the primary cause of lead and copper fouling and makes cleaning easier and less time consuming. Long bullets provide maximum bearing surface for efficient polishing. Each caliber kit includes 10 bullets, in five grits to progressively smooth and polish bore.

SPECS: 50 bullets. Plastic storage box. Instructions included.

STOCK #	CALIBER	WEIGHT(GRAINS)	PRICE
#840-000-001AN	.224 rifle	80	4H34N99 \$ 34.99
#840-000-002AN	.243 rifle	107	4H34E99 \$ 34.99
#840-000-004AN	.264 rifle	142	4H34I99 \$ 34.99
#840-000-005AN	.270 rifle	135	4H34N99 \$ 34.99
#840-000-006AN	.284 rifle	130	4H34D99 \$ 34.99
#840-000-007AN	.308 rifle	190	4H34N99 \$ 34.99

.22 RIMFIRE KIT - One hundred specially-coated, .22 long rifle cartridges, in five different compounds, smooth and polish rough bores. Restores accuracy of many rifles, both new and old alike. **SPECS:** 100 bullets. Plastic storage box. Instructions included. **We cannot ship until we have: A copy of your driver's license or concealed handgun license and a signed affidavit stating "There are no laws prohibiting me from owning ammo, I am 21 years or older."**

- #840-000-012AN .22 Rimfire Lapping Kit, 4H29G30 . . . \$ 34.99

QUESTIONS BEFORE YOU BUY?
Ask Our Full-Time Tech Staff
800-741-0015



BARSKA AK-47/AKM/SKS FRONT SIGHT ADJUSTMENT TOOL

Adjusts Windage & Elevation

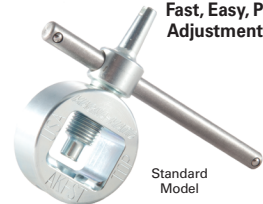
Compact steel tool easily adjusts windage and elevation on most makes and models of AKseries and SKS rifles. The C-clamp sight pusher moves the sight drum to the left or right for windage adjustments. The end of the T-handle fits into the elevation post and provides plenty of leverage to easily move even a stubborn post. Speeds up the whole process of sighting in your SKS or Kalashnikov.

SPECS: Carbon steel, black oxide finish. Frame – Approximately 2 1/8" (6.7cm) long, 1/2" (1.3cm) wide, 1 1/2" (3.8cm) high, 1/16" (1.7cm) throat. 4.7 oz. (133g) wt.

#100-006-572AN AK-47/SKS Front Sight Adjustment Tool, 8F9Q47..... \$ 12.99

MAGNA-MATIC DEFENSE AK-47/-74/AKM/SAIGA FRONT SIGHT TOOL

Fast, Easy, Precise Elevation & Windage Adjustments On A Broad Range Of AKs



Hardened steel tool enables fast, easy, precise windage and elevation adjustment on a wide variety of Kalashnikov-type rifles. The full-circle clamp is far stronger than generic C-clamps for secure, positive contact with the sight tower to adjust the sight for

windage. Viewing port in the circle clamp gives you a clear view of the drum for perfect alignment. Remove the T-handle from the circle clamp and use it as a wrench to adjust the sight post for elevation. Sliding handle lets you select the length that gives you the right amount of leverage in either mode to get even a "frozen" sight to move. No extra tools required. **Standard** model fits AK-47 and clones. **Gunsmith** model has a larger circle clamp to fit all sizes of front sights, and a longer handle for extra torque to move the stubbornest sight.

SPECS: Steel. Fits AK-47, AKM, AK-74, RPK-47/-74, commercial Saiga rifles, and most Eastern Bloc AK variants and clones. **Standard** – 1 1/4" (4.4cm) O.D., 3/4" (1.9cm) thick, with 4 1/2" (11.4cm) long handle. **Gunsmith** – 2 1/4" (5.7cm) O.D., 1" (2.5cm) thick, with 6 1/2" (16.5cm) long handle.

#100-005-933AN Standard AK Sight Tool, 4D26B99..... \$ 30.99

#100-005-934AN Gunsmith AK Sight Tool, 4D47M79..... 55.99

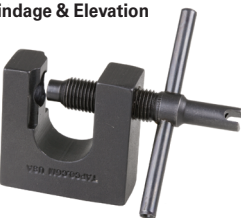
TAPCO SKS/AK-47 FRONT SIGHT TOOL

All Steel, Adjusts Windage & Elevation

Steel C-clamp easily adjusts front sight windage and elevation on most AK-47 and SKS variants. Threaded T-handle provides the force to move front sights, opposite end of handle fits elevation post.

SPECS: Steel, matte black. Clamp – 1 1/2" (3.8cm) long, 1/2" (1.5cm) wide, 1 1/2" (3.8cm) high. T-handle – 2 1/4" (5.6cm) wide x 2 1/2" (6.1cm) high. Fits most AK-47 and SKS variants.

#100-003-415AN AK-47/SKS Sight Tool, 5A14G99... \$ 16.49



TAPCO SKS/AK-47/M&P15T FRONT SIGHT TOOL

Makes Fast, Precise Front Sight Adjustments

Handy pocket tool makes quick work of front sight elevation adjustments on most AK and SKS variants, and the Smith & Wesson M&P15T rifle with folding front sight. Wide thumb pads provide plenty of leverage to turn even stubborn front sight posts. Brass engagement insert won't damage or scratch the metal finish.

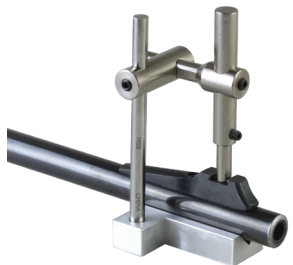
SPECS: Plastic housing, brass insert. 2 1/4" (5.7cm) long. Fits most AK and SKS variants, and S&W M&P15T.

#100-002-920AN AK Front Sight Tool, 5A4E95... \$ 5.99



BROWNELLS RAMP SOLDERING JIG

Spring Pressure Keeps Ramps/Bases/.45 Sights In Place

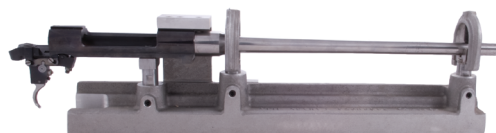


Cures the "ramp slips" problem with a pointed, spring-loaded plunger that keeps constant pressure on the ramp or a .45 sight. Adjusts for height, angle and amount of spring pressure. Non-marring, "V" block base centers barrel under the

plunger. Great torch clearance. **SPECS:** 2" (5.1cm) long, aluminum Base. 4" (10.2cm) high overall.

#080-739-000AN Ramp Soldering Jig, 8K67N66... \$ 89.99

FORSTER UNIVERSAL SIGHT MOUNTING FIXTURE



The Accurate, Professional Way To Mount Scopes & Sights

Designed to fill the exacting requirements encountered in drilling and tapping holes for the mounting of scope mounts, receiver sights, shotgun beads, etc. Accepts virtually all bolt action, lever, and pump guns; in fact, any single barrel gun as long as the barrel can be laid into the "V" blocks of the Fixture. Tubular magazine guns are done in the same manner by first removing the magazine tube.

The Fixture will locate the holes to a standard, predetermined spacing built into the over-arm, or to any other spacing by sliding the over-arm in either direction. "Run out" of the drill is eliminated as it is guided through a hardened and ground drill bushing. Tapping is done through another bushing that eliminates cocking (and breaking) the tap. The sliding over-arm has three holes with standard spacing of .500" and .860" between centers into which the interchangeable drill and tap guide-bushings fit. The over-arm is always in true alignment with the exact center of the gun barrel.

The main body of the Fixture is cast aluminum. The two "V" blocks are adjustable for height and made of hardened steel accurately ground on the "V" as well as the shaft.

SPECS: Approx. 20" (50.8cm) long. Comes complete with Drill and Tap Bushing Set for 6-48. Other bushings also available

WILLIAMS FRONT SIGHT PUSHER

Easiest Way To Install A Front Sight In A Ramp



In the past, there was only one acceptable way to install a front sight in a ramp – pound it in with a hammer from the side. This method frequently marred a beautiful finish and loosened or damaged the ramp.

The Williams Front Sight Pusher is the easiest and best way to install a front sight in a ramp. Equalizing the pressure on ramp and sight, it permits installation without marring or damaging. Eliminates excessive pressure on the ramp. Smoothly, accurately moves sight into exact position.

SPECS: Aluminum body is 4 1/4" (11.1cm) long x 1" (2.5cm) wide x 1 1/8" (3.5cm) high. Screw is steel.

#962-050-000AN Front Sight Pusher, 2F50Q99... \$ 60.99

#962-050-001AN Front Sight Pusher Replacement Jaws, 2F9K04... 13.99

FNH PS90/P90 SIGHT ADJUSTMENT TOOL

Adjust The Factory Sights On Your FN PS90/P90



Steel tool helps adjust windage and elevation on your FN. Guide channel lets you loosen set screw with supplied Allen wrench with tool in place, and quickly tighten after adjustment. Knurled knob helps you precisely control the amount of adjustment. Factory tool ensures proper fit and function. A must-have accessory for your FN PS90-P90.

SPECS: Steel, matte finish. 1.5" (39mm) O.A.L. 1.8 oz (51g) wt. Knob: 1.1" (29mm) O.D.

#119-000-060AN PS90/P90 Sight Adjustment Tool, 9A45L83..... \$ 46.99

BROWNELLS REMINGTON 870/1100 4-in-1 SCREWDRIVER

On The Bench Or In The Field; The Right Bits For These Popular Guns



Handle with 4 bits to fit magazine extension bracket, buttplate screws, recoil pads, factory folding stocks, pistol grips.

SPECS: 5 1/2" (14cm) overall. 1" (2.5cm) diameter handle.

#080-088-870AN 870/1100 Screwdriver, 8K15A53... \$ 19.99

BUSHING SET		DRILL BUSHING	
STOCK #	BUSHING	STOCK #	BUSHING
#319-400-132AN	10-32	#319-400-921AN	#21
#319-400-356AN	3-56	#319-400-928AN	#28
#319-400-648AN	6-48	#319-400-930AN	#30
#319-400-840AN	8-40	#319-400-931AN	#31
		#319-400-964AN	#7/64

– Advise # – Bushing Set, each, 9A19K25... \$ 22.99

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#319-400-000AN Forster Sight Fixture with 6-48 bushing, 9A370A09... \$ 459.99

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BROWNELLS TACTICAL SHOTGUN FIELD MAINTENANCE PACK

Complete, Dedicated Tool Kit For Maintenance & Repair Of Law Enforcement Shotguns

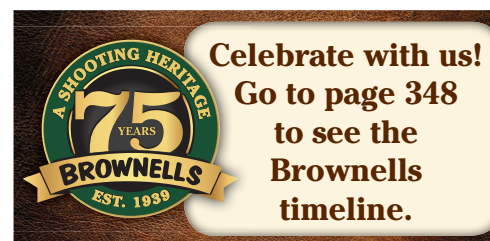


Compact, go anywhere kit contains all the essential tools needed to disassemble, maintain, and repair today's common tactical and law enforcement shotguns. Not

a run-of-the-mill cleaning kit with generic tools, but a set of carefully selected, high-quality armorer tools designed to perform specific tasks on Benelli, Mossberg 500/590/835, and Remington 870/1100/11-87 shotguns. You'll have the exact tool you need at your fingertips, without scrounging through a case full of tools for other guns or lugging around unnecessary weight. There's a universal double-ended forend wrench for easy, non-slip removal of the forend nut without damage. Magazine tube pliers have adjustable, padded, curved jaws for easy removal of mag tubes and stuck magazine caps without marring the finish. T-handle driver comes with correct sockets for removing buttstock bolts, including a self-guiding, sleeved socket for the 870 and a socket for the new action spring tube nut on current-production Remington Model 11-87 Police shotguns (will also fit current 1100). Use the punch set with the brass/ nylon head hammer and non-marring bench block to remove retaining pins while protecting the gun's finish. The full-size #84 Magna-Tip screwdriver comes with the necessary interchangeable bits, including a 12-gauge shotgun choke tube wrench and an extra-long 7/16" Phillips head bit for recoil pad screws. Our handy packing hook tool is indispensable for grasping, locating, or releasing springs and small parts. Plenty of compartments inside the water- and tear-resistant, 1000 denier Cordura case let you secure the tools to minimize unwanted shifting and noise. Quiet, #9 YKK nylon zippers with oversize pulls ensure fast, easy access to the tools. Front panel features a clear, I.D. card sleeve, loop strip for name tape, and 1/4" wide, nylon grab handles for easy carry.

SPECS: Contains tools for working tactical/law enforcement models of Benelli, Mossberg 500/590/835, and Remington 870/1100/11-87 shotguns. Contents - Magna-Tip® screwdriver handle with #210- 5 and #270-5 slotted bits, 7/16" Phillips bit, and Magna-Tip choke tube wrench; 12-gauge shotgun forend wrench; magazine tube/cap pliers; 7/8" socket drive, T-handle, and extension with 1/2" socket, drag link, Rem 870 buttstock bolt socket, and 1/16" socket for current-production Rem 1100/11-87 action spring tube nut; nylon/ brass hammer; nylon bench block; 6" chain nose pliers; 1/16" and 1/32" starter punches and pin punches; packing hook; 12-gauge shotgun Bore Snake®; 1/4 oz. (7.4ml) Friction Defense® gun oil; and double-ended parts cleaning brush. Case - 1000 denier Cordura® nylon, O.D. green. 11 1/4" (29.2cm) long, 8 1/2" (21.6cm) high, 3" (7.6cm) thick.

#080-000-583AN Tactical Shotgun Maintenance Pack, 8K275I65... \$ 312.99



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