

**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 hard-coat 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. **.50 Cal. Up To 12 Ga. Arbor** - Enables use of Standard or Professional kit on large caliber/gauge guns, including muzzle loaders. **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, 3/4" (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, 5-3/8" (13.6cm) long x 2-3/8" (5.4cm) wide, 3 1/2" (9cm) high. Magnetic - Collimator - 3 1/4" long. Case - Cloth, black.

- #593-000-053AT Standard Boreighter, 7K76D68 . . . . . \$ 81.99
- #593-000-052AT Professional Boreighter, 7K99C75 . . . . . 105.99
- #593-000-051AT Magnetic Boreighter, 7K39Q97 . . . . . 42.99
- #593-000-172AT .50 Cal. Up To 12 Ga. Arbor, 7K12G70 . . . . . 13.99

**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 bore sighters contain the entire laser system and batteries in the size of a normal cartridge case. Rimfire 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. Bore sighter stores easily in the included nylon carrying case that fits easily in a pocket, tool kit, or range bag. Available in a variety of calibers listed below. **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**, 5.56 x 45 NATO, 5.6 x 50, 6 x 47, **7mm Rem**/.264 Win also fits **8mm Rem**, **338 Win**. **.30-06** also fits. **25-06**, **270 Win**, **280 Rem**, **7mm Express**, **7.7 Japanese**, **8mm-06**, **.338-06**, and **.35 Whelan**. **.308** also fits **6mm Rem**,

**SIGHTMARK UNIVERSAL LASER BORESIGHTER**

Helps Sight In Rifles, Pistols, Or Shotguns Without Firing A Shot



Compact, self-contained bore sighting system projects a bright red laser beam aligned with the bore axis for sighting scopes, holographic red dot sights, and "iron" sights to the point-of-aim without firing a shot. A powerful magnet holds the sighter securely on the muzzle of any rifle, pistol, or shotgun; nothing to insert into bore or chamber. Install the three batteries (included) into the battery compartment, use the centering guides on the rear of the bore-sighter to center it on the muzzle, and switch on. Aim at a target 20-30 yards away, and adjust windage and elevation of the scope or sights so point-of-aim is zeroed on the dot. Go to the range for test shots and final sight adjustments. Fits easily in pocket and includes padded nylon carrying case.

**SPECS:** High-impact polycarbonate, black. Laser wavelength, 632-650 nm. Sighting range, 15-100 yards. Dot size, 2" at 100 yards. Includes (3) AG13 button cell batteries, nylon carrying case, and instructions.

- #100-004-010AT Universal Laser Boreighter, 8A34D99 . . . . . \$ 34.99

**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. **NOTE:** Can be used with any bore spud or arbor 1/2" or smaller to include expandable arbors. **SPECS:** Elevator Block - Aluminum. 1 1/2" (4.5cm) long, 3/4" (1.9cm) wide, 1 1/4" high. Elevation Shaft - Stainless steel. 3/4" (6.3mm) diameter. Elevation Arm - Aluminum. 1/2" (9.5mm) diameter. Includes instructions.

- #100-002-512AT Collimator Elevator, 5A89M99 . . . . . \$ 89.99

.243 Win, .257 Roberts, .260 Rem, .284 Win, 7x57 Mauser, 7mm 08, 8mm Mauser, .307, .356, and .358 Win. 22 LR and 17 HMR bore sighters use 2 AAA batteries (included) in an external pack.

- #100-004-011AT .223 Rem Laser Boreighter, 8A27L86 . . . . . \$ 30.00
- #100-004-014AT 7mm Rem/.264 Win. Laser Boreighter, 8A27D86 . . . . . 30.00
- #100-004-013AT .30-06 Laser Boreighter, 8A27K86 . . . . . 30.00
- #100-004-015AT .308 Laser Boreighter, 8A27P86 . . . . . 30.00
- #100-014-688AT .300 AAC Blackout Boreighter, 8A33P97 . . . . . 39.99
- #100-004-012AT 7.62x39 Laser Boreighter, 8A27G86 . . . . . 30.00
- #100-004-016AT 9mm Luger Laser Boreighter, 8A27Q86 . . . . . 30.00
- #100-004-017AT .40 S&W Laser Boreighter, 8A27P86 . . . . . 30.00
- #100-004-018AT .45 ACP Laser Boreighter, 8A27K86 . . . . . 30.00

**SITE-LITE SL-100 LASER BORESIGHTER**

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



The SL-100 laser system saves you range time and ammo by helping you zero your scope to point-of-aim at 100 yards, without firing a shot. Easy to use: place the special laser target 25 feet away, insert the laser unit's spud into the muzzle - it self-centers in the bore. Then aim the laser at the target and adjust the scope till the crosshairs align with the target. Works just as well with red dot scopes and iron sights. No metal contacts the rifling, and it's all self-contained. The SL-100 comes with a set of adapters so it will fit all firearms from .22 to .50 caliber, plus 12 and 20 gauge shotguns. Included SRL-100 attachment converts it into a scope reticle leveler by refocusing the laser to a horizontal beam for precise crosshair alignment. Works best indoors, where you have control over ambient lighting. Includes complete instructions and two #357/LR-44 batteries.

- #100-000-843AT SL-100 Laser Boreighter, 8K112J20 . . . \$ 116.60

**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 Boreighter'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 635mm 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 1/2" (15.6cm) OAL without adapter, 4 1/2" (10.5cm) long spud. Uses (2) #357/LR-44 batteries, included. **SL-150** - 6 1/2" (16.8cm) OAL, 4 1/4" (10.8cm) long spud. Uses (1) CR2 lithium battery, included. **SL-500** - 7 1/2" (19.1cm) OAL, 4 1/4" long spud. Projects a green sighting dot. Uses (1) CR123 lithium battery, included. **SRL-100** - Includes calibrated laser target, bubble level, and instructions.

- #100-000-843AT SL-100 Laser Boreighter, 8K112J20 . . . \$ 116.60
- #100-002-429AT SL-150 Ultra-Mag Laser Boreighter, 8K148L58 . . . . . 166.99
- #100-004-085AT SL-500 Ultra-Mag Laser Boreighter, 8K224A53 . . . . . 249.99
- #100-002-430AT SRL-100 Reticle Leveler, 8K22A55 . . . . . 25.95

**NEED A REPLACEMENT PART?**



Shop the Factory Parts section in this catalog  
Schematics also available at [www.brownells.com](http://www.brownells.com)

**ALLEY SUPPLY COLLIMATOR EXTENSION**

Bore sight "Tall" Scopes Easily



Gets the bore-sighter 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"s give a range of 1" to 2 1/2" between the bore and collimator spuds. Accepts Sweeney, Redfield or Tasco spuds. **SPECS:** Aluminum body, brass and steel screws. 3 1/2" (9.7cm) long, 1" (2.5cm) wide, 1/8" (22.2mm) thick. Weighs 4 oz. "V" spacings of 1", 1 1/8" (3.5cm) and 2 1/8" (6cm). Does not accept Bushnell spuds.

- #034-101-000AT Collimator Extension, 4C28J64 . . . . . \$ 34.99

**TANGODOWN 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.

- #100-003-431AT SCAR Armorer's Block Set, 9B149Q59 . . . . . \$ 169.95
- #100-003-470AT SCAR Upper Rec'r/Barrel Vise Block, only, 9B61G01 . . . . . 69.90
- #100-003-428AT SCAR Lower Rec'r/Trigger Module Block, only, 9B44L31 . . . . . 49.95

**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 1/2" (18.4 cm) long.

- #080-000-580AT Military Weapon Takedown Tool, 8K24K09 . . . . . \$ 29.95








## 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.

**#100-006-748AT Receiver Flat Bending Die Set, 4K173G99** ..... \$ 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.

**#100-006-770AT Barrel Press Kit, 4K94L99** ..... \$ 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 well 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.

**#100-006-752AT Trunnion Riveting Tool, 4K259L99** . . \$ 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, 7.62 (Red) mandrel, and instructions. 5.45 (Blue) mandrel sold separately.

**#100-006-771AT Trunnion Hole Drilling Fixture, 4K64E99** ..... \$ 64.99

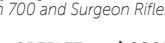
**#100-006-750AT Blue 5.45mm Drilling Fixture Mandrel, 4K14L99** ..... 14.99

**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

## 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.

**#100-003-675AT Surgeon Action Wrench, 9B75L37** . . . \$ 86.99

## 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. .186" (4.7mm) thick.

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

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.

**#100-006-753AT Triggerguard Rivet Jig, 4K64A99** . . . \$ 64.99

**#100-006-754AT Triggerguard Rivet Removal Jig, 4K24B99** ..... 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.

**#100-006-749AT Gas Piston Rivet Drilling Fixture, 4K22G49** ..... \$ 22.49

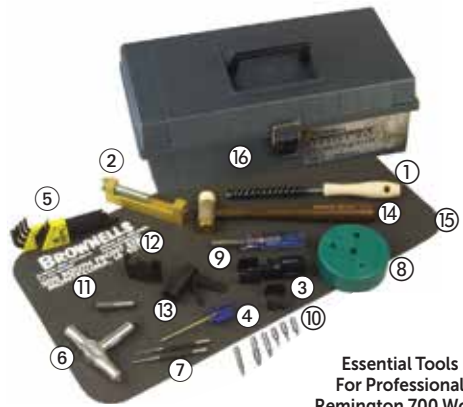
**RAIL ALIGNMENT FIXTURE** - Solid-steel fixture aligns the lower bolt guide rails in 1mm receivers for mistake proof spot welding and perfectly aligned rails every time. Place the rails in the fixture, clamp front trunnion in the receiver, align the lower rails parallel to the top rail and touching 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.

**#100-006-751AT Rail Alignment Fixture, 4K22J49** . . . \$ 22.49



## BROWNELLS REMINGTON 700 ARMORER'S KIT

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. 

**#080-000-088AT Remington 700 Armorer's Kit, 8K380M23** . . . . . \$ 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.

**#084-400-001AS Universal Bolt Brush, 8K7M10** . . . . . \$ 9.99

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

**#488-002-000AS Rem. Firing Pin Tool, 8H35M99** . . . . . \$ 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.

**#080-792-100AS Bolt Ejector Tool Set, 8K29Q52** . . . . . \$ 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.

**#080-000-025AS .120" Brass Alignment & Push Punch, 8K7E55** . . . . . \$ 8.99

**5 BALL-HEX WRENCH SET** - 12-wrench set ranges from .050 to 3/16". Excellent for installation and removal of scope rings and bases. **SPECS:** 2 1/8" (7.3cm) - 6 1/2" (16.5cm) long. 12 sizes: .050", 1/16", 1/8", 3/16", 1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1 1/8", 1 1/4", 1 1/2", 1 3/4", 1 7/8", 2", 2 1/4", 2 1/2", 2 3/4", 3", 3 1/4", 3 1/2", 3 3/4", 4", 4 1/4", 4 1/2", 4 3/4", 5", 5 1/4", 5 1/2", 5 3/4", 6", 6 1/4", 6 1/2", 6 3/4", 7", 7 1/4", 7 1/2", 7 3/4", 8", 8 1/4", 8 1/2", 8 3/4", 9", 9 1/4", 9 1/2", 9 3/4", 10", 10 1/4", 10 1/2", 10 3/4", 11", 11 1/4", 11 1/2", 11 3/4", 12".

**#123-109-000AS Inch Ball-Hex Wrench Set, 3B10K72** . . \$ 11.99

**6 T-HANDLE TORQUE WRENCH** - 45 inch pound, torque wrench tightens triggerguard screws to Remington factory specs. **SPECS:** Steel, chrome plated. 3 1/2" (8.8cm) high, 4 1/8" (10cm) wide.

**#792-212-045AS 45in/lb Torque Handle, 2G101K83** . . \$ 116.99

**7 PIN PUNCH SET** - Two, top quality punches. Use the 1/16" punch for removing the bolt stop and rear pin; use the 1/8" 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).

**#827-525-800AS Starrett Pin Punch, 8K5K99** . . . . . \$ 5.99

**#827-525-780AS 1/16" Punch, 7B6I99** . . . . . 6.99

**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.

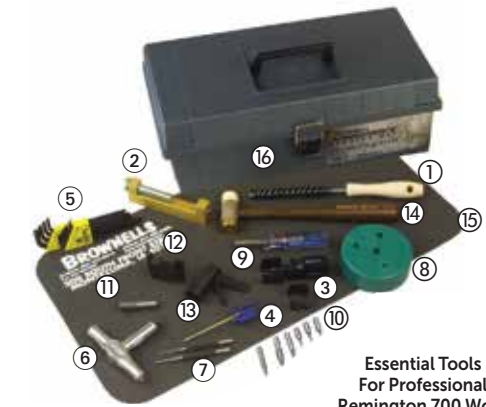
**#080-000-492AS Rifle Bench Block - Green, 8D19J99** . . . . . \$ 19.99

**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 1/2" (14cm) overall. 1 1/2" (4.4cm) long shank. 1" (2.5cm) diameter x 3 1/2" (9.5cm) long handle.

**#080-088-004AS Magnetic LE Handle, 8K11P94** . . . . . \$ 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-



Essential Tools For Professional Remington 700 Work

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.

**#080-185-100AT 1/2" Allen Bit, 8K2J66** . . . . . \$ 2.99

**#080-240-540AT #240-5 Slotted Bit, 8K2C66** . . . . . 2.99

**#080-435-015AT T15 Torx Bit, 8K2I66** . . . . . 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.

**#084-095-230AT ZM23 Converter, 8K18B84** . . . . . \$ 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.

**#080-740-000AT Extractor Rivet Anvil, 8K78Q95** . . . . . \$ 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. (99g). Aluminum body, steel hook and pivot arms. Fits Rem. 7 ISS, 700, 700 ISS, 40X, 600, 660, 721/722

**#488-001-000AT Remington Bolt Disassembly Tool, 8H37Q99** . . . . . \$ 37.99

**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).

**#818-600-100AT 1" Nylon/Brass Hammer Combo, 8A19M99** . . . . . \$ 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).

**#084-280-001AT #1 Roll-Up Gun Mat, 4H11D51** . . . . . \$ 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.

**#696-100-303AT Tool Box, 6F13M41** . . . . . \$ 17.59

**BROWNELLS ACTION WRENCH SYSTEM**

Eliminates Torque Damage When Installing/Removing Barrels



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.** **US**

**SPECS:** Blued steel. **Base/Handle Unit** - 12 1/2" (31.1cm) long, 1" (24.5mm) diameter. **Interchangeable Head** - 4 1/2" (11.4cm) wide, 1 1/2" (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.

**#080-800-002AS Comp A-Bolt Wrench, 8K117D50** . . . . . **\$ 139.99**  
**#080-801-002AS A-Bolt Heads, only, 8K59F81** . . . . . **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.

**#080-800-017AS Comp. 1917 Wrench, 8K96116** . . . . . **\$ 114.99**  
**#080-801-017AS 1917 Head, only, 8K32J69** . . . . . **39.99**

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

**#080-800-098AS Comp LR Mauser Wrench, 8K91G16** . . . . . **\$ 109.99**  
**#080-801-098AS LRM Head, only, 8K30N26** . . . . . **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.

**#080-800-095AS Complete SR Mauser Wrench, 8K91J16** . . . . . **\$ 109.99**  
**#080-801-095AS SRM Head, only, 8K32K37** . . . . . **39.99**

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

**#080-800-005AS Complete Mini-Mauser Wrench, 8K96F16** . . . . . **\$ 114.99**  
**#080-801-005AS Mini-Mauser Head, only, 8K32M69** . . . . . **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.

**#080-800-001AS Comp Uni. Wrench, 8K91F16** . . . . . **\$ 109.99**  
**#080-801-001AS Universal Head, only, 8K32L69** . . . . . **39.99**

**SPIKES TACTICAL AR-15/M16 WRENCHES**

Wrenches Help Assemble AR-15s

Chromoly-steel wrenches accept standard torque wrench drives and help quickly assemble AR-15 rifles.



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. With it, you can prevent expensive receiver damage on MOST popular rifle actions, including military

**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.

**#080-800-788AT Complete Remington 788 Wrench, 8K119I73** . . . . . **\$ 139.99**  
**#080-801-788AT Remington 788 Heads, only, 8K59J81** . . . . . **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.

**#080-800-700AT Complete Remington 700 Wrench, 8K128Q58** . . . . . **\$ 139.99**  
**#080-801-700AT Remington 700 Heads, only, 8K66I60** . . . . . **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.

**#080-800-110AT Complete Round Savage 110 Wrench, 8K92J80** . . . . . **\$ 109.99**

**#080-801-110AT Round Savage 110 Heads, only, 8K33P40** . . . . . **39.99**

**#080-800-109AT Complete Square Savage 110 Wrench, 8K119H57** . . . . . **139.99**

**#080-801-109AT Square Savage 110 Heads, only, 8K60D97** . . . . . **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.

**#080-800-070AT Complete Win. 70 Wrench, 8K92A86** . . . . . **\$ 109.99**

**#080-801-070AT Winchester 70 Head, only, 8K33L15** . . . . . **39.99**

Wrenches feature black phosphate finish for resistance to wear and corrosion, and Spikes Tactical logo. **Castle Nut Wrench** accepts 3/8" drive and has cutouts to fit onto standard AR-15 carbine buffer tube castle nut. **USGI Barrel Nut Wrench** accepts 1/2" drive. Features seven pins made of tool steel and TIG welded into place. Fits standard AR-15 barrel nuts. All wrenches sold separately. **US**

**#100-014-394AT Castle Nut Wrench, 3B44H99** . . . . . **\$ 44.99**  
**#100-014-395AT USGI Barrel Nut Wrench, 3B44Q99** . . . . . **44.99**

**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 3/8" bore for custom sizing. Two recessed holes are cut into the vise base for bench mounting. **US**

**SPECS:** Machined steel, natural finish (black oxide on hardware). 2" (5.1cm) long x 7" wide (17.8cm) x 3 1/2" (7.9cm) high.

**#310-000-003AT Fisher Barrel Vise, 1C574J99** . . . . . **\$ 574.99**  
**#310-000-004AT 1.150" Barrel Bushing, 1C54A99** . . . . . **54.99**  
**#310-000-005AT 1.175" Barrel Bushing, 1C00GXC** . . . . . **54.99**  
**#310-000-006AT 1.200" Barrel Bushing, 1C54Q99** . . . . . **54.99**  
**#310-000-007AT 1.225" Barrel Bushing, 1C00AKI** . . . . . **54.99**  
**#310-000-008AT 1.250" Barrel Bushing, 1C54Q99** . . . . . **54.99**  
**#310-000-009AT Barrel Bushing Blank, 1C00APM** . . . . . **54.99**

**D.S. ARMS FN-FAL ACCESSORY TOOLS**

Original FAL Tools For Service &amp; 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. **US**

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

**#274-100-640AT FAL Front Sight Tool, 4G17F69** . . . . . **\$ 25.00**  
**#274-100-641AT FAL Gas Wrench, 4G17J69** . . . . . **25.00**  
**#274-100-646AT FAL Extractor Tool, 4G28Q90** . . . . . **35.00**  
**#274-100-632AT FAL Buttstock Wrench, 4G21M43** . . . . . **25.00**

**BATTLE ARMS DEVELOPMENT M1/M14/M1A 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. **US**

**SPECS:** Machined 7075 T6 aluminum, hardcoat anodized. 5 1/4" (14.6cm) long, 1 1/2" (3.8cm) wide, 3/8" (9.5mm) thick.

**#100-004-912AT BAD-T3 Wrench, 6D31F92** . . . . . **\$ 34.99**  
**#100-004-913AT BAD-T4 Wrench, 6D31A92** . . . . . **34.99**

**FA ENTERPRISES FN-FAL MUZZLE BRAKE DIE**

Cleans Or Cuts Threads On Metric Barrels

Cuts the correct, 3/16"-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. **US**

**SPECS:** Steel, 1 1/2" diameter, 3/16"-24 left hand.  
**#246-100-000AT FAL Muzzle Die, 6B58C17** . . . . . **\$ 65.99**  
**#246-000-001AT FAL Thread Alignment Tool, 6B21B72** . . . . . **24.99**

**BADGER ORDNANCE M14/M1A 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. **US**

**SPECS:** Polymer, black matte. 1" (2.5cm) long x 5/8" (1.6cm) dia.  
**#093-000-009AT Bolt Roller Greaser, 3K6H32** . . . . . **\$ 6.99**

**SAVANNA TOOL M1/M1A/M14 TRIGGER GROUP ASSEMBLY FIXTURE**

Simplifies Assembly &amp; 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. **US**

**SPECS:** Steel, blued. 4" (10cm) wide, 2" (5cm) high, 3/8" (15mm) thick. *Includes instructions.*  
**#784-100-014AT Trigger Group Assembly Fixture, 4H60G50** . . . . . **\$ 60.50**

**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. **US**

**SPECS:** Steel, 6" (15cm) long. *Parkerized finish.*  
**#553-014-001AT Castle Nut Pliers, 3E8M81** . . . . . **\$ 10.00**

**FULTON ARMORY M1 GARAND GAS CYLINDER WRENCH**

No-Mar Field Disassembly For Cleaning &amp; Maintenance



Supports the gas cylinder and keeps it from rotating when removing the gas plug. Lets you easily separate these parts without damage. **US**

**SPECS:** Aluminum, anodized, blue. 5 1/4" (14.6cm) long, 1 1/2" (3.8cm) wide, 1/2" (6.3mm) thick.  
**#100-000-792AT M1 Garand Gas Cylinder Wrench, 3K13N68** . . . . . **\$ 15.99**



### BADGER ORDNANCE M1/M14/M1A HANDGUARD CLIP PLIERS

Fast, Easy Clip Removal; No Broken Handguards



A proven military armorers 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. **USA**  
**SPECS:** Machined aluminum, silver, matte finish. 7" (17cm) long. Includes illustrated instructions.

#093-200-050AT M1/M14/M1A Handguard Pliers, 3K24J99 ..... \$ 24.99

### 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. **USA**

**SPECS:** Machined aluminum, black hardcoat anodized finish. Approx. 7" (18cm) long.

#080-000-361AT Handguard Clip Pliers, 8K28P49 ..... \$ 40.63

### 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. **USA**

**SPECS:** Laser-cut steel, black, oxide finish. Approx. 7" (18cm) long.  
 #634-000-025AT Handguard Clip Pliers, 4C25F79. .... \$ 28.99

### SMITH ENTERPRISES M1/M1A/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. **USA**

**SPECS:** 7075 T6 aluminum, clear hard anodized gray, matte finish. 6" (15.2cm) long, 1/2" (12.7mm) thick. 1oz. (28.3g) wt.

#851-000-066AT GLFS Wrench, 1E46I09 ..... \$ 51.95

### 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. **USA**

**SPECS:** O1 tool steel. Hardened to Rc 60.  
 #093-000-010AT Gas Cylinder Gauge, 3K116B06. .... \$ 125.27

### 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. **USA**

**SPECS:** Hardened steel, black oxide finish. 6" (15cm) long.  
 #080-000-185AT M14/M1A Castle Nut Pliers, 8K13F26. . \$ 14.99

### 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. **USA**

**SPECS:** 5/16" (14cm) long. 3/16" (19.0mm) wide. 1/4" (4.4cm) high. Weighs 10 oz. (284 g). Aluminum base, steel screw.

#488-002-000AT Rem. Firing Pin Tool, 8H35C99. .... \$ 35.99

### 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. **USA**

**SPECS:** 6061 T6 aluminum, O.D. green finish. 6" (14.6cm) long, 1/2" (3.8cm) wide, 1/2" (6.3mm) thick.

#100-005-519AT Gas Cylinder Wrench, 6A21L53. .... \$ 22.99



### 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. **USA**

**SPECS:** Aluminum body, steel handled. 4 1/4" (12cm) long, 1 1/2 (5cm) wide. Fits both M1 Garand and M14 bolts.

#080-818-000AT M1/M14 Bolt Disassembly Tool, 8K52Q29. .... \$ 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. **USA**

**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.

#488-001-000AT Remington Bolt Disassembly Tool, 8H37Q99. .... \$ 37.99

### BROWNELLS SMLE FIRING PIN TOOL



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. **USA**

#080-741-000AT SMLE Firing Pin Tool, 9A32F34. .... \$ 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 cross-pin, 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. **USA**

**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.

#634-000-032AT Firing Pin Disassembly Tool, 4C26B44. .... \$ 29.99

### 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. **USA**

**SPECS:** Aluminum base, hardcoat anodized, black. Hardened tool steel screw shank and bushings, black oxide finish. Body - 5 1/4" (13.34cm) long, 1" (2.54cm) wide, 1 1/8" (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.

#080-000-409AT Firing Pin Removal Tool, 8K54H60. . . \$ 69.99

### Sinclair REMINGTON 700 BOLT DISASSEMBLY TOOLS



Top-Drawer Specialty Tools For Safe, Easy, FAST 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). **Main-spring 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. **Bench Block** designed for use with the tools above secures both bolt and firing pin in the proper position for driving out pins. Machined from Delrin™ so it will not scratch the bolt's finish, plus a "well" properly located to prevent the loss of pins. **Bolt Maintenance Kit** contains ALL FOUR tools in a sturdy, hard-plastic case with custom-fitted foam interior. **Storage Case** also sold separately, in case you bought the tools earlier, one at a time. **USA**

**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. **Main-spring Changing Tool** - Aluminum, anodized, green. Steel lead screw. Polymer knob, matte black. Body - 8 1/4" (21cm) long x 1 1/4" (1.9cm) wide. Fits Rem. 700, Stolle Panda, and other Remington style bolts.

#749-004-116AT Firing Pin Removal Tool, 8H28G15. . . \$ 29.99

#749-003-541AT Ejector Compressor Tool, 8H26L99. . . 26.99

#749-004-114AT Mainspring Changing Tool, 8H27M99. . . 27.99

#749-002-695AT Sinclair Bench Block, 8H17F99. .... 17.99

#749-011-310AT Remington Bolt Maintenance Storage Case, 5F29A99 ..... 29.99

## 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, 1/16" + .010"-16 tap, .010" over Recoil Lug Reamer, (2) bushings. **Standard Kit** - Includes Standard Receiver Reamer, 1/16"-16 tap, (2) bushings; doesn't include Recoil Lug Reamer.

**#513-000-003AT .010" Over Receiver Accurizing Kit, 3A550N00** ..... \$ 550.00

**#513-000-050AT 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.

**#513-000-004AT .010" Over Piloted Receiver Reamer, 3A175B95** ..... \$ 175.95

**#513-000-051AT Standard Piloted Receiver Reamer, 3A175A95** ..... 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 - T1N coated 10 1/2" (26.6cm) long. Includes (2) bushings. .701"-.705" diameter. **.010" Over** - 1/16" + .010"-16 thread pitch. **Standard** - 1/16"-16 thread pitch.

**#513-005-700AT .010" Over Remington Rcvr/Tap Arbor, 3A295A95** ..... \$ 295.95

**#513-000-052AT Standard Remington Receiver Tap, 3A295F95** ..... 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 1/8" (9.5mm) long, 1/32" (4mm) wide. 6 1/4" (17.1cm) OAL with handle.

**#513-000-053AT Rec. Ring Facing Tool, 3A100Q00** .. \$ 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.

**#513-000-070AT .715" Rem. Bolt-Way Reamer, 3A289Q99** ..... \$ 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 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.



## 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:

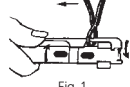


Fig. 1

### 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

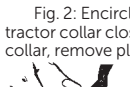


Fig. 2

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

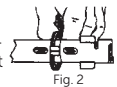


Fig. 3

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.

**#080-017-000AT Bolt Extractor Pliers, 8K22A03** ..... \$ 24.99

## BROWNELLS BOLT EJECTOR TOOL

**Faster Removal Of Plunger-Style Ejectors**



Tough, steel clamp captures the bolt head, and the large-handed 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.

**#080-792-100AT Bolt Ejector Tool Set, 8K30Q23** ..... \$ 35.99

**#080-792-002AT Bolt Ejector Tool, only, 8K17D72** ..... 20.99

**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.

**#080-000-507AQ Bolt Body Shim Set, 8K16M91** ..... \$ 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 blue-printing 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.

**#513-000-090AQ Remington Bolt False Center, 3A50A00** ..... \$ 50.00



## 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 1/2" (12.7mm) thick.

**#080-740-000AT Extractor Rivet Anvil, 8K78Q95** ..... \$ 89.99



## 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 3/4" (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.

**#080-000-420AT Ejector Removal Tool, 8K50J79** ..... \$ 63.99

## 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.

**#080-914-000AT Receiver Contouring Fixture, 8K109E51** ..... \$ 128.99

## MANSON PRECISION REAMERS BOLT FACE TRUING 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.

**#513-000-008AT Tooling Block, only, 3A100L00** ..... \$ 100.00

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

**#513-000-011AT .308 Facing Burr, 3A65L95** ..... 65.95

**#513-000-012AT Magnum Facing Burr, 3A84K99** ..... 84.99

## 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.

**#080-055-000AT Receiver Way Polisher, 8K47J34** ..... \$ 53.95

## 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.

**SPECS:** Steel, blued. 9" (22.8cm) long, 1" (2.5cm) wide. Includes clamp plate and bolt.

**#080-919-000AT Mauser Receiver Fixture, 8K74H94** .. \$ 89.99

## 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.

**#080-917-000AT 10/22 Receiver Drill Jig, 8K43A98** ... \$ 49.99

## 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.

**#080-000-505AT Sako Extractor Jig, 8K59J01** ..... \$ 79.99



## 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 1/2" 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 factory original, Remington 700 receivers. 1" facing pilot fits AR-15 upper receivers. **SPECS:** Hardened steel, polished finish. **Cutter** - 90°, 2" (5.1cm) long x 1 1/2" (3.8cm) O.D. **Pilots** - 2" long x .700" (17.8mm) or 1" (25.4mm) O.D.

- #080-000-194AT Receiver Facing Cutter, 8K61G68... \$70.50
- #080-000-195AT 1" Receiver Facing Pilot, 8K24I62... 28.99
- #080-000-197AT .700" Receiver Facing Pilot, 8K24E34... 28.99
- #080-589-000AT Facing & Chamfering Tool Handle, only, 1/4"-20 thread, 8K12B04... 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 1/8" (31.34cm) long. 1 1/2" lb. (680 g).

STOCK #	FITS	PRICE
#080-098-096AT	Small Ring Mauser	8K81G25 \$93.99
#080-098-001AT	Large Ring Mauser	8K74P30 \$84.99
#080-098-003AT	'03 Springfield	6K65D08 \$74.99
#080-098-700AT	Remington 700	8K75L00 \$86.99
#080-098-070AT	Win. Model 70	6K83B75 \$125.95

## JME INNOVATIONS

### SPLIT RETHREADING DIE

Dies Help Make Thread Repair Easy

Steel rethreading dies help clean up cross-threaded or other wise damaged threads, especially those commonly found on the muzzles of AR-15 style rifles. Two-piece split design lets you start the die from the top down or from the bottom up, giving maximum flexibility for thread repair. Hex shape makes it possible to use with adjustable wrench. Available in 1/2"-28 or 3/8"-24 threads. **SPECS:** A2 tool steel, 1" (2.5cm) O.D. 1/2"-28 or 3/8"-24 threads.

- #100-015-333AT 1/2"-28 Split Rethreading Die, 6A28D99... \$28.99
- #100-015-334AT 3/8"-24 Split Rethreading Die, 6A42P99... 42.99



## 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. **SPECS:** 3 1/2" (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
#080-097-701AT	#080-097-700AT	Remington 700
#080-097-170AT	#080-097-070AT	Win. 70/Ruger M77
#080-097-101AT	#080-097-014AT	M14/M1A/M1 Garand
#080-097-198AT	#080-097-098AT	Mauser Large
#080-097-196AT	#080-097-096AT	Mauser Small
#080-097-004AT	#080-097-001AT	Savage Small
#080-097-005AT	#080-097-002AT	Savage Large

- Advise # — One Gun Bolt Lap Set, 8K46K48... \$52.99
- Advise # — Individual Thread Sleeve, 8K20K75... 25.99

- #080-097-101AT \*M14/M1A Bolt Lap Set, 8K56A69... \$64.99
- #080-097-113AT Bolt Tool Body & M14/M1A Plunger, only, 8K31M60... 36.99
- #080-097-014AT \*\*Garand Sleeve & Handle, 8K32E02... 38.99
- #080-097-100AT Bolt Tool Body, only, 8K30N70... 36.99
- #080-097-000AT Bolt Lapping Tool Kit, 8K208M48... 251.99

## SAKO EXTRACTOR MILLING CUTTERS



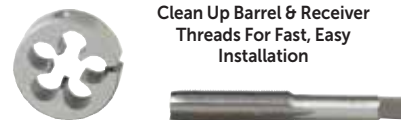
Helps You Install A Durable Sako Extractor On Your Remington Bolt

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

STOCK #	SLOT WIDTH	SIZE	PRICE
#317-000-005AT	.152"	3/32"	7A24E99 \$24.99
#317-000-006AT	.172"	1/16"	7A24F99 \$24.99
#317-000-007AT	.231"	3/16"	7A32A40 \$32.40

## BROWNELLS

### BARREL/RECEIVER TAPS & DIES



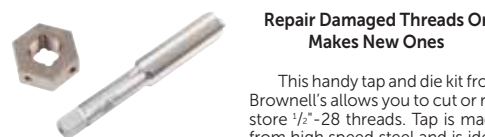
Clean Up Barrel & Receiver Threads For Fast, Easy Installation

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. **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 shoulders); **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.

- #080-598-980AT Small Ring Mauser Tap, 2K98B59... \$109.99
- #080-598-981AT Small Ring Mauser Die, 2K123M24... 135.99
- #080-598-982AT FN-FAL Tap, 8K82C77... 89.99
- #080-598-151AT FN-FAL Die, 8K120P08... 137.99
- #080-598-111AT Large Ring Mauser Tap, 2K117B88... 129.99
- #080-598-110AT Large Ring Mauser Die, 2K148G95... 169.99
- #080-598-116AT Remington 700 Tap, 2K77N15... 86.99
- #080-598-117AT Remington 700 Die, 2K120J83... 128.99
- #080-598-155AT Savage Tap, 2K101J81... 114.99
- #080-598-156AT Savage Die, 2K159M17... 169.99
- #325-100-186AT #49 Die Stock, 5B15J99... 15.99

## BROWNELLS

### BARREL THREAD RESTORATION KIT



Repair Damaged Threads Or Makes New Ones

This handy tap and die kit from Brownell's allows you to cut or restore 1/2"-28 threads. Tap is made from high speed steel and is ideal for cleaning the threads on your flash hider, muzzle brake, or compensator. Innovative split die allows you to start the die on clean barrel threads, and work your way over the damaged areas. Die is made from A-2 tool steel, and are heat treated for extra strength and durability. **SPECS:** Fits 1/2"-28 threads. Tap - High speed steel. Die - A-2 tool steel.

- #080-001-158AT Barrel Thread Restoration Kit, 8K43K97... \$48.98

## 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. **SPECS:** Tool steel. 4 1/4" (10.8cm) long x 1 1/8" (14.3mm) diameter.

- #080-098-100AT Mauser 98 Cross Bolt Wrench, 8K24I09... \$26.99
- #080-098-104AT 4 Replacement Pins for Mauser Cross Bolt Wrench, 8K5H83... 7.99



## 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 1/2" (5.4cm) long. 1/4" (6.3mm) or 3/16" (7.9mm) square.

- #080-659-250AT 1/4" Bolt Facing Bit, 3B25C88... \$29.33
- #080-659-375AT 3/16" Bolt Facing Bit, 3B20F11... 24.99



## 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 1/4" (10.8cm) to 5 1/2" (14cm) long depending on the model. #1 - 1903 & 03A3 Springfield, #3 - 98 Mauser, #4 - Remington 700, #5 - Winchester M70.

- #080-638-001AT #1 Bolt Heat Sink, 8K22P25... \$24.99
- #080-638-003AT #3 Bolt Heat Sink, 8K22L25... 24.99
- #080-638-004AT #4 Bolt Heat Sink, 8K22P25... 24.99
- #080-638-005AT #5 Bolt Heat Sink, 8K22F03... 24.99
- #080-638-000AT Bolt Heat Sink Set, 8K82D01... 100.99

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

- #080-598-513AT Mauser Bolt Shroud Tap, 2K81D82... \$93.99

## JME INNOVATIONS AK-47 FLASH HIDER RETHREADING DIE

Repairs Damaged Muzzle Threads

Revolutionary, two-piece split rethreading die repairs damaged AK-47 muzzle threads. Simply place the two pieces of the die together on the good threads above or below the damaged area, then turn the die to recut the threads. No need to worry about cross threading. **SPECS:** Steel. Fits M14x1.00 LH threads.

- #100-016-683AT AK-47 Barrel Flash Hider Die, 6A42L99... \$42.99



## 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. **US**

**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.

- #521-100-000AT Bolt Fixture, 1B165K00 ..... \$ 165.00
- #521-101-000AT Action Truing Sleeve, 1B14K50 ..... 14.50
- #521-103-000AT Set of 2 Receiver Mandrels, 1B60N00 ..... 60.00
- #521-103-703AT .703" Receiver Mandrel, 1B25G95 .. 25.95

## BROWNELLS BOLT WELDING JIG

**Quickly Aligns & Positively Holds Bolts & Knobs For Welding**



Bolt & Bolt Heat Sink not included

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!! **US**

**SPECS:** "V" clamps are 2 1/2" (8.6cm) long x 1/2" (12.9mm) 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). Includes protractor and detailed instructions.

- #080-016-000AT Bolt Welding Jig, 8K45M99 ..... \$ 45.99

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Leave your comments or suggestions!

## BROWNELLS MAUSER BOLT FORGING BLOCKS



Bolt & Heat Sink not included

**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. **US**

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

- #080-941-500AT Bolt Forging Block Set, 8K64M43 ..... \$ 78.99
- #080-928-000AT Bolt Forging Blocks, 8K58Q73 ..... 69.99
- #080-941-000AT Bolt Forging Punch, 8K24J32 ..... 29.99

## 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. **US**

**SPECS:** 1/2" (12.7mm) dia., .90" (23mm) lg. Hardened plunger.

- #080-782-000AT Firing Pin Gauge, 8K34H76 ..... \$ 39.99

## 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. **US**

**SPECS:** Steel. Includes complete instructions. .223 - Also fits .222 and .22-250. 3 1/2" (8.9cm) long. .30 M1 Carbine - 2 1/8" (5.2cm) long. .30-06 M1 Garand - 5" (12.7cm) long.

- #565-017-223AT .223 Throat Gauge, 5F38K86 ..... \$ 44.19
- #565-000-008AT .30 M1 Carbine Throat Gauge, 5F39I51 ..... 44.95
- #565-000-009AT .30-06 M1 Garand Throat Gauge, 5F36P94 ..... 39.99
- #565-000-011AT M14/M1A Throat Erosion Gauge, 5F39I51 ..... 44.95

## 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, it 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. **US**

**SPECS:** Sold by weight. Alloy. Infinitely reusable.

- #080-027-100AT 1 lb. Cerrosafe Alloy, 8K25N36 ..... \$ 29.99
- #080-027-050AT 1/2 lb Cerrosafe Alloy, 8K13Q27 ..... 14.99

## 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. **US**

**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.

- #829-200-000AT Straight Overall Length Gauge, 3Z32F99 ..... \$ 32.99
- #829-200-001AT Curved Overall Length Ga, 1C39N99 ..... 39.99

MODIFIED CASES		
STOCK #	CARTRIDGE	PRICE
#749-001-396AT	223 Rem	1C6N29 \$ 6.29
#829-200-225AT	22-250 Rem	1C5I25 \$ 5.49
#829-200-243AT	243 Win	3Z5E25 \$ 5.49
#829-000-024AT	260 Rem	3Z5J25 \$ 5.49
#829-200-270AT	270 Win	3Z5J25 \$ 5.49
#829-200-708AT	7mm-08 Rem	3Z5M25 \$ 5.49
#829-200-284AT	7mm Rem Mag	3Z5F25 \$ 5.49
#829-200-308AT	303 Win	3Z5H25 \$ 5.49
#829-200-306AT	30-06 Springfield	3Z5F25 \$ 5.49
#829-200-300AT	300 Win Mag	3Z5K25 \$ 5.49

## 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. **US**

**SPECS:** 400- or 800-grit silicon carbide abrasive, twisted steel shafts. Must be used with Flex-Hone oil. AR-15 Hone in 223 Rem. 9mm Pistol Hone for handguns.

- #080-001-176AT 17/22 Rifle Hone, 400 Grit, 8K33K94 .. \$ 39.99
- #080-001-177AT 17/22 Rifle Hone, 800 Grit, 8K34I51 .. 39.99
- #080-000-717AT .223/5.56 Rifle Hone, 400 Grit, 8K42H31 ..... 49.99
- #080-001-188AT AR-15 Rifle Hone, 400 Grit, 8K40J72 .. 44.99
- #080-001-189AT AR-15 Rifle Hone, 800 Grit, 8K40C72 .. 44.99
- #080-001-184AT 243 Rifle Hone, 400 Grit, 8K40I72 ... 44.99
- #080-001-185AT 243 Rifle Hone, 800 Grit, 8K40H72 ... 44.99
- #080-001-186AT 7.62x39 Rifle Hone, 400 Grit, 8K40N72 ..... 44.99
- #080-001-187AT 7.62x39 Rifle Hone, 800 Grit, 8K40J72 ..... 44.99
- #080-001-178AT 308 Rifle Hone, 400 Grit, 8K34P50 .. 39.99
- #080-001-179AT 308 Rifle Hone, 800 Grit, 8K34G50 ... 39.99
- #080-001-180AT 30-06 Rifle Hone, 400 Grit, 8K34N50 ... 39.99
- #080-001-181AT 30-06 Rifle Hone, 800 Grit, 8K40K72 .. 44.99
- #080-608-338AT 38/.357 Rifle Hone, 800 Grit, 8K33P51 ..... 40.95
- #080-001-190AT 38/.357 Rifle Hone, 400 Grit, 8K34G22 ..... 39.99
- #080-608-344AT .44 Rifle Hone, 800 Grit, 1B34J88 ... 42.99
- #080-608-345AT .45 Rifle Hone, 800 Grit, 1B35G20 ... 42.99
- #080-001-182AT 9mm Pistol Hone, 400 Grit, 8K33M94 ... 39.99
- #080-001-183AT 9mm Pistol Hone, 800 Grit, 8K34J28 .. 39.99

**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.) **US**

- #080-609-008AT 1/2 Pint Flex Hone Oil, 1B11A50 ..... \$ 13.49
- #080-609-000AT Quart Flex Hone Oil, 1B18N22 ..... 21.98

## 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. **US**

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

- #022-101-030AT Throat Erosion Gauge, 2B75A33 ..... \$ 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. **US**

- #022-101-306AT .30-06 Throat Erosion Spacer, 2B13P99 ..... \$ 13.99
- #022-101-300AT .300 Mag Throat Erosion Spacer, 2B13E99 ..... 13.99

**SATISFACTION GUARANTEED SINCE 1939**



## 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
#840-000-001AT	.224 rifle	80	4H34B99 \$ 34.99
#840-000-002AT	.243 rifle	107	4H34G99 \$ 34.99
#840-000-004AT	.264 rifle	142	4H34H99 \$ 34.99
#840-000-005AT	.270 rifle	135	4H34B99 \$ 34.99
#840-000-006AT	.284 rifle	130	4H34A99 \$ 34.99
#840-000-007AT	.308 rifle	190	4H34M99 \$ 34.99

## 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 1/4" (6.7cm) long, 1/2" (1.3cm) wide, 1 1/2" (3.8cm) high, 3/8" (1.7cm) throat. 4.7 oz. (133g) wt.

#100-006-572AT AK-47/SKS Front Sight Adjustment Tool, 8F11N39 ..... \$ 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



Standard Model

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. **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.

#100-005-933AT Standard AK Sight Tool, 4D28P93 ... \$ 30.99

## 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, 3/8" (1.5cm) wide, 1 1/2" (3.8cm) high. T-handle - 2 1/2" (5.6cm) wide x 2 1/8" (6.1cm) high. Fits most AK-47 and SKS variants.

#100-003-415AT AK-47/SKS Sight Tool, 5A15B75 ..... \$ 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.

#100-002-920AT AK Front Sight Tool, 5A5J30 ..... \$ 5.99

## BROWNELLS RAMP SOLDERING JIG

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



Cures the "ramp slips just as the solder melts" 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.

#080-739-000AT Ramp Soldering Jig, 8K77G76. .... \$ 89.99

## 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 1/8" (11.1cm) long x 1" (2.5cm) wide x 1 1/2" (3.5cm) high. Screw is steel.

#962-050-000AT Front Sight Pusher, 2F56F78 ..... \$ 60.99

#962-050-001AT Front Sight Pusher Replacement Jaws, 2F10E55 ..... 13.99

## FORSTER UNIVERSAL SIGHT MOUNTING FIXTURE



Bushing Set

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, pre-determined 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

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

— Advise # — Bushing Set, each, 9A20M63 ..... \$ 22.99  
 — Advise # — Drill Bushing, each, 9A6D99 ..... 6.99

#319-400-000AT Forster Sight Fixture with 6-48 bushing, 9A428H63. .... \$ 459.99  
 #319-400-936AT Drill Bushing #36, 9A7F87 ..... 8.99  
 #319-400-945AT Drill Bushing #45, 9A7F87 ..... 8.99  
 #319-400-700AT Round Pad, pair, 9A1A58 ..... 1.99  
 #319-400-900AT Forster Locating Pin, 9A10K61 ..... 10.99  
 #319-400-901AT Forster C-Clamp, 9A18C67 ..... 19.99  
 #319-400-902AT C-Clamp Set Screw, 9A1K55 ..... 1.99

## 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.

#119-000-060AT PS90/P90 Sight Adjustment Tool, 9A46A99 ..... \$ 46.99

## M1/M14/M1A TOOLS & ACCESSORIES

**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. **#093-200-010AT Timing Gauges, 3K75G95. .... \$ 79.99**

**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.



#812-001-001AT M1 Garand Timing Block, 2A38C99 ..... \$ 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.



#093-223-040AT Stock Liner Nut Driver, 3K8F61 ..... \$ 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.



#093-223-025AT Bolt Roller Greaser, 3K9K00 ..... \$ 9.99



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