

## GENERAL GUNSMITH TOOLS INDEX


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## GRACE 17 PIECE TOOL SET PLUS BENCH BLOCK

Get You Covered With Tools Necessary for Fast Repairs in the Field


Handy tool set contains everything you need to perform quick repairs on your guns. Kit includes 8 fixed blade screwdrivers with parallel ground tips to fit most gun screws, 8 brass punches, and an 8 oz. brass hammer. Punches are made of 3/16" brass hex stock and come with tips in 1/16", 1/32", 1/8", 3/32", 1/4", 5/32", 3/16", 7/32", 1/2", and 5/16" diameter. Kit comes with a neoprene base to keep tools organized, but also serves as a functional bench block. 

**#354-000-042** 🇺🇸 17 Piece Tool Set w/Bench Block, 4E118H60 . . . . . **\$ 142.99**

## GRACE GUN CARE TOOL SET

Convenient, Easy To Carry, Take To The Range, Use On The Bench



Never get caught without essential gunsmithing tools again. Complete 17-piece tool set, in a handy, padded, vinyl case, carries easily to the range; lies flat on the bench. Contains the tools you need for quick field repairs: eight, fixed blade screwdrivers with parallel ground tips fit most gun screws; eight, non-marring, brass pin punches and an 8 ounce brass hammer help provide safe removal and installation of the most commonly found assembly pins. 

**#354-100-017** 🇺🇸 Gun Care Tool Set, 4E104Q90 . . . . . **\$ 119.99**

**SPECS:** Total kit weight - 4 lb. 13 oz. (2.2 kg). Includes: **Magna-Tip Set** - #81 Driver Handle, 1 1/4" (3.2cm) diameter, 7/16" (19.7cm) OAL. Polyethylene Bench Box & Tray - 8 1/8" (21.8cm) long, 4 1/4" (10.8cm) wide, 1 1/8" (4.7cm) high. Slotted Bits - #120-1, #150-4, #180-3, #180-5, #210-5, #240-5, #300-6 and #360-8, Leupold Windage bit. Hex Bits - #185-00, #185-0, #185-1, #185-2, #185-3, #185-4, #185-9 and #185-10. Phillips Bits - #1, #2, #3 and 2" long bit. Torx Bits - T10 and T15. **Punches** - Steel, knurled handle. **Starter Punches** - Contains (1) of each diameter: 1/16" (1.6mm), 1/32" (2.4mm), 1/8" long w/knurled handle. **Pin Punches** - Contains (1) of each diameter: 1/16", 1/32", 1/8" (3.2mm), 3/16" (4.8mm) x 4" long w/knurled handle. **Nylon Punches** - Contains (3) of each: 4" (10.2cm) long x 3/16" (7.9mm) diameter. **Parts Cleaning Brush** - Polypropylene handle w/ nylon bristles. 7" (17.8cm) long. Meets Mil Spec 129J, NSN# 1005-00-494-6602. **Buttstock Screwdriver** - Steel alloy blade w/wood handle. 12" (30.5cm) OAL. Tip - 3/16" (9.5mm) wide, 1/16" (1.6mm) thick. **Miniature Screwdriver Set** - (4) Phillips (000, 00, 0, 1) bits. (4) slotted (1.5, 2.0, 2.5 and 3.2mm) bits. (4) TORX (T-7, T-8, T-9 and T-10) bits. **File** - Smooth cut, 5 1/2" (14cm) long, 3/16" (1.4cm) wide x 1/4" (2.8mm) thick. **File Handle** - Molded rubber, 4 1/2" (11.4 cm) long. **India Stone** - 4" long x 1/8" wide, MF-34. **Bench Block** - Nylon w/V groove, 2 1/2" (6.3cm) diameter, 1 1/2" (3.8cm) high, 4 1/2" (12.8cm) 5 holes range from .122" (3.1mm) to .375" (9.5mm). **Nylon/Brass Hammer** - 1" (2.5cm) diameter faces, 1 1/2" (29.2cm) long hickory handle. **Packing Hook/Scribe** - Steel. 8" (20cm) OAL. **Chain Nose Pliers** - 6" (15cm) long. **Gun Mat** - Neoprene rubber w/nylon facing, black. **Storage Case** - 1000 denier Cordura nylon, Black or Coyote Tan. 13" (33cm) long, 3" (7.6cm) wide, 10" (25cm) high.

**#080-000-665** 🇺🇸 Basic Field Tool Kit, Black, 8K219M99 . . . . . **\$ 224.99**

**#080-000-666** 🇺🇸 Basic Field Tool Kit, Coyote, 8K00AXP . . . . . **239.99**




## BROWNELLS BASIC GUNSMITHING KIT

Helps You Do Basic Repairs

The 24 tools (plus 6 additional screwdriver bits) in this Kit are among the ones you will find on the work bench of practically all professional gunsmiths. When we chose each one individually, we walked the aisles of our stock room many times, repeatedly handling each of the vast variety of gunsmithing tools we carry. We had two thoughts in mind as we evaluated each tool: (1) If I were advising a good friend starting to work on guns, is this a tool he should have; and, (2) If I were assembling a compact, economical and basic service tool kit for myself, is this one of the tools I would start with. If the tool met both of these basic requirements, it is in the Kit.

We feel that with the tools in this Kit you can confidently tackle the basic service, cleaning and repair jobs on practically any gun brought to you. The only exceptions would be where special tools are required for specific and complex, advanced procedures. For those jobs you can prepare yourself as you progress. But, this is the Kit you should start with.

The Basic Gunsmithing Kit contains the following tools: **No. 100 Parallel Pliers**; **1" Nylon/Brass Hammer**; **No. 81 MAGNA-TIP® Screwdriver**; **Screwdriver Bits Nos. 1 - 2 - 6 - 00 - 10 - 20 and 30**; **Two sizes Instrument Screwdrivers**; **Main Spring Vise**; **MF134 India Stone**; **M-16 Brush**; **1/8" x 6" Pin Punch**; **3/32" x 6" Pin Punch**; **1/16" Starter Punch**; **3/32" Starter Punch**; **Brownells Replacement Pin-Punch Set**; **2" Replacement Punch Assortment**; **Nylon/Brass Drift Pin Punch Set**; **Gunsmith Bench Knife**; **8" No. 2 Cut Hand File**; **Sight Base File**; **4-in-1 Hand Rasp**; **Scribe-Hook**; **No. 1033 6" Chain Nose Pliers**; **No. 91 Allen Wrench Set**; **Screw Check'r and Kit Box**. 

**#080-750-001** 🇺🇸 Basic Gunsmithing Kit, 8K275G21 . . . **\$ 299.99**

**ADD-ON Pak No. 1** - Consists of the 4-in-1 Hand Rasp; Scribe Hook; No. 1033-6 Chain Nose Pliers and No. 91 Allen Wrench Set, which are included in the Basic Gunsmithing Kit but NOT included in the Assembly/Disassembly Kit.


**#080-750-001** 🇺🇸 Add-On Pak No. 1, 8K41E44 . . . . . **\$ 43.99**

## BROWNELLS ASSEMBLY/DISASSEMBLY TOOL KIT

With Special Tools For Colts & Mausers

30 tools and bits with four highly specialized tools making the Kit better equipped for more advanced professional work. The Colt Tool makes the ticklish job of removing Colt revolver ejectors simple and makes it easy to turn tight 1911 Auto bushings. The Bolt Extractor Pliers greatly assist removal and installation of those stiff extractors on Enfield, Springfield, Mauser or similar bolt. Magazine retaining caps on Ithaca 37's, Winchester Model 12's and similar, positively require the special Winchester Model 12 Wrench to remove. The 7/64" Ball End Socket Wrench is perfect for scope rings with Allen head screws on the bottom side. The Kit contains the following tools: **No. 100 Parallel Pliers**; **1" Nylon/Brass Hammer**; **No. 81 MAGNA-TIP® Screwdriver**; **Screwdriver Bits Nos. 1 - 2 - 6 - 00 - 10 - 20 and 30**; **Two Instrument Screwdrivers**; **Main Spring Vise**; **MF134 India Stone**; **M-16 Brush**; **1/8" x 6" Pin Punch**; **3/32" x 6" Pin Punch**; **1/16" Starter Punch**; **3/32" Starter Punch**; **Brownells Replacement Pin-Punch Set**; **2" Replacement Punch Assortment**; **Nylon/Brass Drift Pin Punch Set**; **Gunsmith Bench Knife**; **8" No. 2 Cut Hand File**; **Sight Base File**; **Brownells Colt Pistol Wrench**; **Model 12 Wrench**; **Bolt Spring Extractor Pliers**; **Screw Check'r**; **7/64" Speed-Hex (Ball-end) Wrench and Kit Box**. 

**#080-755-000** 🇺🇸 Assmly/Dismbly Kit, 8K304Q85 . . . **\$ 332.99**

**ADD-ON Pak No. 2** - Consists of the Brownells Colt Pistol Wrench; Brownells Winchester Model 12 Wrench; Bolt Extractor Pliers and the 7/64" Speed-Hex Wrench which are included in the Assembly/Disassembly Kit but NOT included in the Basic Gunsmithing Kit. 


**#080-755-002** 🇺🇸 Add-On Pak No. 2, 8K40F63 . . . . . **\$ 43.99**



## BROWNELLS BASIC FIELD TOOL KIT

Have Everything You Need To Repair A Host Of Firearms Anytime, Anywhere Without Taking Everything But The Kitchen Sink!

Versatile, compact tool kit helps prevent minor firearm malfunctions from ending your field outing ahead of schedule. Like our popular gun-specific Field Maintenance Packs, this kit was developed for serious shooters who are on the go, and features only the highest quality, longest lasting gunsmithing tools available. These tools were carefully selected by our gunsmithing technicians for general field repair and maintenance of a host of firearm types, so you're as prepared as possible to tackle those readily correctable problems that occur when you least expect them. Perfect for the competitive shooter, avid hunter, and mobile armorer who need the basics to help field strip and perform minor repairs and cleaning of handguns and long guns. Our extra-tough, 1000 denier Cordura® field case, with individual tool pouches, keeps everything protected and organized, so there's no down time scrounging for something to substitute for the right tool. 

Our specially configured Magna-Tip® screwdriver set with #81 handle, polyethylene case, and bench tray filled with 23 of the most commonly used slotted, hex, Phillips, and Torx® bits will handle the majority of gun screws in existence. An additional miniature screwdriver set gives you six double-ended Phillips, slotted, and Torx quick-change bits to take care of those really small but critical gun fasteners. And, the knurled swivel top driver handle provides fingertip control to prevent gouging or losing those really tiny screws. Extra-long, buttstock screwdriver makes it fast and easy to remove most shotgun stocks. We've also added the most commonly used steel, starter and pin punches. Easily start, remove, and install spring pins and roll pins in most guns without damage to the pin or firearm itself. Steel punches are individually marked for size. Also included is a non-marring, nylon drift punch for making minor sight adjustments as well as a host of other jobs. A smooth cut file with handle takes care of those unforeseen problems that require minor metal removal; four additional handle inserts accept many other file sizes you may wish to add to your kit. Medium grit, India stone allows you to lap, hone, sharpen, or polish out small metal imperfections. Additional tools include a steel packing hook for releasing springs, a 6" chain nose pliers for grabbing and holding small parts, a nylon bench block with "V" center, a nylon/brass hammer, and a double-ended gun parts cleaning brush. Lay everything on the soft, flexible neoprene gun mat to safeguard your gun's finish during cleaning or repair. Available with Black or Coyote Tan field case. 


Orders: 800-741-0015

order on the web  
**brownells.com**

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## BROWNELLS WEAPONS FIELD MAINTENANCE PACKS

Complete, Dedicated Kits For Field Repair &amp; Maintenance Of Tactical Weapons

These compact, model-specific field maintenance packs are designed for servicing combat weapons and, provide the soldier or law enforcement personnel with all the tools required to field strip, repair, and maintain weapons while on the move. These are not run-of-the-mill cleaning kits, but carefully selected, high-quality field armorer tools dedicated to working on specific weapon types, so there is no confusion and no down time spent scrounging through a large field case of loose odds and ends. Individual pouches and compartments inside the water- and abrasion-resistant, denier Cordura case keep tools secure and separated to help minimize noise that could jeopardize your mission. Quiet, #9 YKK zippers with oversize pulls make it fast and easy to get tools in and out. Front panel features clear, I.D. card sleeve and loop strip for name tape. Includes two, nylon grab handles for easy carry. Made in the U.S.A. Field Pack Case also available separately. 



M16/M4 Field Pack

**M16/M4 FIELD PACK** - Allows complete weapon breakdown for routine maintenance and repair, plus includes tools for sight adjustments and field cleaning of the Colt M16/M4. Includes special tools for removal of barrel nut, flash hider and lower receiver extension without damage to any rifle component. **SPECS:** Includes: #81 MAGNA-TIP® hollow screwdriver handle w/ Leupold Ludwig (L/B) and #185-10 bits; 1/16", 1/8" and 1/4" pin punches; 1/2" drive handle; 3/4" nylon/brass hammer; buttstock tool; combination wrench; lower receiver vice block; A1/A2 sight wrench; carrier carbon scraper; Deluxe model buttstock cleaning kit. Approx. 5 lb. (2.3 kg) wt.

#080-000-458  M16/M4 Field Pack, 8K268J99 . . . . . \$ 268.99



Remington 700 Field Pack

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

**SPECS:** Includes: Magnetic Law Enforcement MAGNA-TIP® screwdriver handle w/ #185-3 bit, extractor rivet anvil, firing pin tool, bolt brush, rifle bench block, 45 in. -lb. torque T-handle, 1/4" square-to-hex drive converter, ball-hex "L" wrench set, bolt ejector tool set, bolt disassembly tool, nylon/brass hammer, 1/16" and 1/8" pin punches, .120" brass alignment/push punch, 12"x24" bench/field mat. Approx. 5 lb. (2.3 kg) wt.

#080-000-457  Rem. 700 Field Pack, 8K392P15 . . . . . \$ 420.99



**TACTICAL SHOTGUN FIELD PACK** - All the tools needed to perform essential maintenance on common tactical and law enforcement shotguns, including Benelli, Mossberg 500/590/835, and Remington 870/1100/11-87 models. Inside you'll find specialty tools you'd expect to see in far more elaborate armorer's tool kits, including a forend wrench for removing forend retaining nuts without damage and padded, adjustable, non-marring pliers for removing magazine tubes and stuck magazine caps. T-handle driver system comes with sockets for buttstock bolts, plus the correct-size socket for the new action spring tube nut on current-model Remington Model 11-87 Police shotguns (will also fit current 1100).

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


#080-000-583  Brownells Tactical Shotgun Maintenance Pack, 8K00EXR . . . . . \$ 359.99



1911 Auto Field Pack shown


**1911 AUTO FIELD PACK** - Keep your 1911 Auto in peak working order while out on patrol. Every tool has a purpose, and the complete kit allows full field stripping, so pistol can be properly cleaned, repaired, and parts replaced if needed.

**SPECS:** Includes: #81 MAGNA-TIP® screwdriver handle w/ #120-3, #185-00, #185-1, #240-5, T15 Torx, and bushing driver bits; grip bushing staker; lug iron; bushing wrench; plunger tube crimper kit; safety detent depressor; trigger stirrup die; nylon/brass hammer; pistol bench block; (3) nylon punches; front sight staking tool; extractor removal tool; .092" and .120" dia. brass push punches; mainspring housing pin pusher; 12"x24" bench/field gun mat. 5 lb. 2 oz. (2.32 kg) wt.

#080-000-456  Brownells 1911 Auto Field Pack, 8K323A98 . . . . . \$ 366.21


**BERETTA 92/M9 FIELD PACK** - All the tools you need for complete field stripping of your Beretta service pistol for maintenance, cleaning, and parts replacement. Includes roll pin punches, grip bushing driver bit, grip bushing staker, trigger return spring tool, and magazine lip gauge all specific to the 92/M9-plus, India and Arkansas stones for smoothing hammer and sear engagement surfaces.

**SPECS:** Includes: MAGNA-TIP® Law Enforcement clip tip screwdriver handle w/#300-5 slotted bit & #240-2 bushing driver bit; 4 oz. ball peen hammer; magazine lip gauge; grip bushing staker; straight/90 degree scribe; trigger return spring tool; (4) roll pin punches; 1/4" brass drift punch; India stone; and hard Arkansas stone. Approx. 5 lb. (2.3 kg) wt.

#080-000-469  Beretta 92/M9 Field Pack, 8K304L15 . . . . . \$ 332.22

**GLOCK® FIELD PACK** - Maintains the Brownells Field Pack goanywhere philosophy, while including a nice array of dedicated tools for keeping any Glock model in peak working order. Includes magazine tool specifically designed for easily removing Glock floorplates, rear sight mover, channel liner replacement tool, slide cover plate for installing Ghost-brand tactical triggers, and the Glock Blok vise block, plus roll pin punches, flat-tip screwdriver, front sight nut driver, .050" hex head wrench for adjustable rear sights, and an array of handy nylon cleaning brushes.

**SPECS:** Contents - Magna-Tip® screwdriver handle with #120-3 slotted bit, 1/16" hex head bit, 1/16" & 1/8" pin punch bits, and Glock sight nut bit; Glock Blok vise block; sight adjustment tool; magazine tool; channel liner tool; chain nose pliers; armorer's orange slide cover plate; .050" hex wrench; magazine brush; 9mm, .40 cal. & .45 cal. nylon bore brushes; double-ended parts cleaning brush; and 4 fl. oz. (118ml) bottle of Break-Free CLP. Case - 1000 denier Cordura nylon, O.D. green. 11 1/2" (29.2cm) long, 8 1/2" (21.6cm) high, 3" (7.6cm) thick.

#080-000-582  Field Tool Pack for Glock, 8K281F90 . . . . . \$ 304.99

**S&W M&P PISTOL FIELD PACK** - All the tools required to field strip, repair, and maintain Smith & Wesson's popular M&P semi-auto pistol. Includes the proprietary M&P rear sight removal tool, all necessary roll pin punches, an S&W fixed-blade armorer's screwdriver, cleaning brush, and other tools to keep your M&P working under difficult conditions.

**SPECS:** Contents: M&P rear sight tool, S&W armorer's fixed blade screwdriver, 1/16" Allen head driver, nylon/brass hammer, blue pistol bench block, cleaning brush, #3 (1/16") & #4 (1/8") steel roll pin punches, and 1/16" steel starter punch, plus .092", .078" and .470" diameter steel cup tip punches and nylon case. Approx. 3 lb. 3 oz. (1.4 kg) wt.

#080-000-039  S&W M&P Field Pack, 8K218J70 . . . . . \$ 247.99



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

**SPECS:** Kit includes 7.62 x 39 Go/No-Go gauges, 7.62 x 54R Go/No-Go gauges, AK-47/SKS front sight tool, No. 10 slot head screwdriver, 6" chain nose pliers, 1" nylon/brass hammer, 4 oz. ball peen hammer, 6" adjustable crescent wrench, 6" mill file, starter punch set (1/16", 1/8", 1/4" & 3/16"), pin punch set (1/16", 1/8", 1/4" & 3/16"), prick punch, center punch, Delrin® bench block, double-ended nylon gun parts cleaning brush, stainless steel cleaning brush, #3 acid brush, cleaning rod (4 sections with slotted tip), 8-32 to 1/4"-27 rod adapter, Double-Tuff™ phosphor bronze bore brush set (7.62mm, 12.7mm, 18mm & 40mm), 40mm cotton bore mop, and (100) 1 1/4" dia. heavy duty flannel cotton patches, in a heavy duty O.D. green Cordura nylon case. Case is approximately 11" (27.9cm) long, 9 1/2" (24.1cm) high, and 3 1/2" (8.9cm) thick.

#080-000-522  Foreign Weapons Field Maintenance Pack, 8K379N99 . . . . . \$ 379.99

**FIELD PACK CASE** - The same, heavy-duty, Cordura field case included with our Weapons Field Maintenance Packs. Made available separately for your additional tactical gear and accessories.

**SPECS:** Denier Cordura nylon, O.D. green. 12" (30.5cm) long, 10 1/2" (26.7cm) high, 3 1/2" (8.9cm) thick.

#080-000-459  Field Pack Case, Only, 8K66149 . . . . . \$ 75.99



**Want To Know About What NEW Products We Just Added This Week?**

Go to the **LEARN** tab at brownells.com to view intro videos and articles on your gun.

**LYMAN MASTER GUNSMITH TOOL SET**

A One-Stop Way To Set Up Your Bench To Work on a Large Variety of Guns

Lyman's Master Gunsmith Tool Set contains their large 68 piece Gunsmith Tool Set, plus a bench mat to protect working surfaces and organize small parts. The large, non-marring X-Block supports the gun while you pop out pins or other parts. A hammer and punch set has punches in all the sizes commonly used on guns, including a brass drift punch, a hammer with brass and polymer heads, and a set of roll pin punches. The pick and brush set helps you clean hard-to-reach nooks and crannies. And the Digital Trigger Pull Gauge is indispensable in verifying and adjusting trigger pull weights. Plus, a handy box for the screwdrivers and a storage tray for the punch set.

**#539-000-141 Master Professional Gunsmith Tool Set, 5K176Q49..... \$189.99**



**FORSTER SWIV-O-LING VISE**

Holds Small Items Securely In Almost Any Position

Versatile, miniature vise designed for secure retention of small, hard-to-hold items like having a couple of extra hands at your work bench. Dual-bolt jaw tensioning system lets you apply the precise amount of force needed to grasp the work piece firmly without overtightening and causing damage. One bolt opens and closes the jaws, while the other provides countering force to keep the jaw halves parallel and prevent slippage. Once the item is locked in the jaws, no need to remove and reclamp to change its position because the swivel mechanism allows the entire jaw assembly to rotate 360° horizontally and tilt up to 28° from vertical. Jaw tightening handle and swivel locking handle can be removed if necessary to provide maximum freedom of access to work piece. Rugged machined steel swivel mechanism with case-hardened jaws; cast aluminum base is drilled for bolting to benchtop. Accepts items up to 1" wide. **SPECS:** Steel, black oxide finish, with cast aluminum base. Approximately 5/8" (13.3cm) overall height.

**#319-000-005 Swiv-O-Ling Vise, 9A70P36..... \$92.99**



**TIPTON BEST GUN VISE**

One Vise For Cleaning & Gunsmithing Almost Any Gun

Tipton's vise offers a myriad of adjustments to securely hold almost any firearm exactly where you want it for cleaning, maintenance, or accessorizing. It's made of rigid, solvent-resistant nylon that will stand up to years of hard use, with molded flat and round bottom bins for bottles, small parts and cleaning patches. All contact points have a soft rubber surface and will not scratch your firearm. An aluminum channel lets you slide any of the three supports into the perfect position for a super-secure grip on the gun. Dual width/height adjustable rear clamps give the best hold on any buttstock shape and the cam locks keep your gun firmly in place. Front support is adjustable for different positions and heights, while the center support can be used to hold break-open shotguns and handguns for easy inspection without complete disassembly. Pre-drilled holes allow you to permanently mount vise to a table or bench. **SPECS:** Molded nylon, gray. Rubberized contact points. 36" (91.4cm) long x 12" (30.5cm) wide x 8" (20.3cm) high.

**#100-012-229 Best Gun Vise, 7A00PL1..... \$102.99**



**NEW! REALAVID AR-15/AR-308 LUG-LOK UPPER RECEIVER VISE BLOCK**

Secure, Safe Way To Lock Down an Upper in a Bench Vise

Real Avid's block attaches to the strongest part of the gun - the barrel locking lug recesses. This transfers all the stress from the receiver to the barrel itself, which eliminates the risk of distorting the receiver. It fits all standard mil-spec AR-15 uppers and mates securely in the lug recess, while allowing you to rotate the upper to be able to work on different sides. Two vise pins allow you to hold the upper at multiple working angles and prevent unwanted rotation during high-torque operations, such as tightening a barrel nut or muzzle device. A lock knob keeps Lug-Lok seated into the barrel lugs. The result is an extremely safest, easy-to-use tool for locking down an AR-15 upper in a bench vise. AR-308 model fits ArmaLite® AR-10® and DPMS LR-308 pattern rifles.

**#100-036-437 Lug-Lok AR-15 Upper Rec'r Vise Block, 8C00KZP..... \$79.99**  
**#100-047-722 Lug-Lok AR-308 Upper Rec'r Vise Block, 8Z119S99..... 119.99**



**TIPTON STANDING ULTRA GUN VISE**

Floor-Standing Support System Securely Positions the Gun Where You Need It To Work on It

Is it a vise or a very compact workbench? We'll let you debate that point, but what we can say is the Tipton Standing Ultra Gun Vise has sturdy folding steel legs that let you set it on the floor to hold a gun securely, at the right height, while you work on it AND keep your workbench free for other stuff! It has tons of adjustability, plus convenient features including padded contact surfaces and an AR-15 magwell insert with a cool twist. The collapsible, lightweight design makes it perfect for transporting to and from the field or range. It sits at the right height for most folks to work without straining their backs. It features various Ultra Gun Vise Modules - handy non-marring clamps, ball-and-socket articulating clamp pads and removable trays so you can position gun components exactly where you need them to work on them - and have spare parts and tools conveniently at hand for maximum versatility with a capital "V"!

**#100-042-069 Standing Ultra Gun Vise, 7A213B99... \$229.95**



**LOTHAR WALTHER BISLEY GUNSMITHING VISE**

Improved & Updated Version Of The Famous English-Made Original; Multi-Positional For Unlimited Access To Your Work



Precision, German-made gun vise modernizes the original Parker Hale design so popular decades ago with English shooters. Precision, German-made gun vise modernizes the original Parker Hale design so popular decades ago with English shooters. Cast from high tensile strength aluminum alloy, the Bisley vise is compact and light enough to take anywhere, yet tough enough to handle jobs bigger than expected. Two sets of parallel clamping jaws rotate a full 360° in the same plane to provide unlimited versatility and access to your work. Simple and reliable, spring-loaded, cog-locking system allows instant one-hand adjustment by pulling back on the rear jaw and rotating it to any of 15 different positions in 22.5° increments. Hardened and ground, steel jaw inserts on one side handle small parts and many intricate tasks around the shop, oval shaped jaws with cork padding on the opposite side allow non-mar clamping of barrels, receivers, and large irregularly shaped objects. Polymer adjustment knob with threaded steel bushing glides along the vise screw with exceptional smoothness for precise tension control. Heavy duty base with steel clamping screw and T-handle make the Bisley vise extremely solid, portable and quick to mount and remove on work platforms from 1 to 2 1/2" thick. **SPECS:** Cast aluminum body, light green powder coat finish; other components hardened steel, natural finish. Straight Jaws 2 1/4" (7cm) long; 2 1/8" (5.4cm) max. separation width. Curved Jaws - 4" (10.6cm) long; 2 1/8" (7.3cm) max. separation width. 5.1 lb. (2.3kg) weight. Mounts on surfaces up to 2 1/2" (6.3cm) thick.

**#950-000-003 Bisley Gunsmithing Vise, 5Z232B11... \$270.80**

**WOODSTOCK INTERNATIONAL SHOP FOX PARROT VISE**

Locks Down Your Projects Tighter 'n a Drum



Can be mounted sideways.

The 'it was originally developed for woodworkers, we think the Parrot Vise is just the kit for gun work, too. It swivels a full 360 degrees and then locks in place wherever you want it when you tighten the jaw. It can also be mounted sideways for versatility. The Tho' it was originally developed for woodworkers, we think the Parrot Vise is just the kit for gun work, too. It swivels a full 360 degrees and then locks in place wherever you want it when you tighten the jaw. It can also be mounted sideways for versatility. The smooth jaws measure 3 1/2" wide x 2 1/8" high, and they'll open to 4 1/4" capacity. Sturdy cast steel construction, with an attractive industrial blue powder coated finish; moving parts and jaws are left in natural, unfinished steel. Holes in jaws allow mounting of custom vise pads. Integral base clamps directly to your bench to provide rock-solid support for your projects. If you're re-trying to decide between taking up a new vise or getting this vise... we recommend the Parrot hands down!

**#100-025-388 Parrot Gun Vise, 5F59K99..... \$69.99**

**BROWNELLS RUBBER-FACED VISE JAWS**

Protects Delicate Or Polished Parts From Damage



Will not mark or scratch expensive or delicate firearm parts, but holds them firmly without damage. Durable, nylon-reinforced rubber is permanently bonded to lightweight aluminum, replaceable jaws. Wide retaining lip with nitrile magnet on the underside keeps jaws in place; drops right onto any 4", 5" or 6" steel bench vise and stays put. **SPECS:** Aluminum jaws, rubber face. 4" (10cm) long, 3/8" (9.5mm) thick, 1 1/4" (3.8cm) wide face.

**#080-827-000 Rubber-Faced Vise Jaws, 8K22N98..... \$28.99**

**TOOL MAKERS PARALLEL CLAMPS**

Precision Holding For Unusual Shapes

Universally used by toolmakers and gunsmiths for close, precision holding of unusual shapes for welding, brazing, scribing, drilling. A must for scope, sight or bolt work. **SPECS:** #005 - 2" (5.1cm) long jaws, 1.285" (3.3cm) jaw spread. #010 - 3" (7.6cm) long jaws, 2.185" (5.5cm) jaw spread. #015 - 4" (10.2cm) long jaws, 2.95" (7.5cm) jaw spread.

**#912-361-005 #005 Toolmakers Clamp, 5F18L31..... \$19.99**  
**#912-362-010 #010 Toolmakers Clamp, 5F19G15..... 21.99**  
**#912-363-015 #015 Toolmakers Clamp, 5F26K93..... 30.99**



**LEATHER VISE JAW PADS**

Used To Protect Guns In Vises Since Year One

Heavy, top-quality cowhide leather pads, the old standby to use on vise jaws when working with anything you don't want to mar. **SPECS:** 4" (10.2cm) x 6 1/2" (16.5cm), 9-10 oz. Sold in pairs.

**#413-001-002 Leather Vise Pads, 3Z9E67..... \$11.99**



Orders: 800-741-0015

order on the web **brownells.com**

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**WAGNER INDUSTRIES  
MAGNETIC SOFT JAWS**

**Get A Grip On Your Guns**

Soft, yet extremely rigid, polyurethane vise jaws fit comfortably in a 4" or 5" vise and are held in place by embedded magnets. Non-slip surface grips precious firearms firmly without crushing, marring, or scratching. Top "lip" fits the top of your

vise jaws adding two inches to allow extra protection and more work area. Surface resists oils and wipes clean. Each set comes with a separate polyurethane cover for vise screws or anvils so you can be absolutely sure that no part of your guns or tools will come in contact with the vise. **Channeled** soft jaws have all the same features as the Standard version with the addition of machined vertical and horizontal channels with 3/8" radius for an improved grip on contoured parts such as barrels and actions.

*SPECS: Molded polyurethane, red. 5" (12.7cm) wide, 2 1/8" (5.5cm) high, 1/8" (1.6cm) thick.*

- #100-002-397 Standard Soft Jaws, 4A51N00 ..... \$ 54.99
- #100-003-410 Channeled Soft Jaws, 4A60A00 ..... 64.29

**BROWNELLS HANDI CLAMP**

**Far Tighter Grip Than Your Fingers For Holding Small Parts**



Holds little things for fitting, polishing, grinding or finishing. Better than a third hand when staking Remington 870 shell latches. Soft, rubber pads won't mark finishes. Easy, one-hand operation. *SPECS: Steel, chrome finish. 3 1/4" (8.2cm) O.A.L. 1 1/2" (3.8cm) reach. 3/16" (4.8mm) opening. Rubber pads - 3/16" (14.2mm) dia.*

- #080-945-016 Handi Clamp, 8K8C00 ..... \$ 9.99

**BROWNELLS  
SCREW HEAD POLISHING/PIN VISE**



**No More Burnt Fingers Or Lost Screws & Pins**

Steel vise securely holds screws and pins in place during polishing to prevent them from flying into the far corners of your shop. Knurled collar tightens evenly, without crushing.

*SPECS: Steel vise and collar, plastic handle. 4.75" (12cm) long.*

- #080-000-316 Screw Head Polishing/Pin Vise, 6A20H78 ..... \$ 22.99

**TRACK OF THE WOLF  
MAINSRING VISE**

**Compresses "V" Springs Effortlessly**



New improved design makes it much easier to compress tough mainsprings with two rotating, adjustable jaws that screw down securely. Adapts to angle of spring, spreads compression evenly over the entire spring area and is perfect for installing "V" springs in shotguns and muzzleloaders. Wide turnkey allows you to use your thumb and index finger to really squeeze tough springs down without the need for makeshift tools.

- #870-000-001 Mainspring Vise, 7H29F13 ..... \$ 34.99

**PIN VISE**



**Hold Pins & Drill Bits For Fine Work**

Double-ended vise with two collets and double adjustments. Holds pins for grinding and shaping and works as a hand driver for small drill bits.

*SPECS: 3 3/16" (9.4cm) long, 1/2" (12.7mm) diameter. Adjusts from .0" to .125" (3.2mm).*

- #345-090-000 Pin Vise No. 90, 5D18H99 ..... \$ 20.99

**BROWNELLS  
BENCH/FIELD GUN MAT**

**Soft Face Prevents Scratches & Dings; Rolls Up Easily; Absorbs Liquid**

Soft, flexible, liquid-absorbing bench mat features a non-slip EVA backing that will not take a set, so it rolls out flat and ready to protect the finish on your favorite firearm. Absorbs ten times its own weight in liquid, shielding the surface of your work bench or vehicle cargo area from spills while it protects your firearm from damage. Completely reusable, wash with warm water and mild detergent. Larger sizes make the perfect, protective cover for tailgates or range benches.

*SPECS: Polypropylene fiber, brown, expanded, vinyl acetate backing. 100" (2.5mm) thick. Sizes: #1 - 12" (30cm) x 24" (60cm), #2 - 24" x 36" (90cm).*

- #084-280-001 #1 Roll-Up Gun Mat, 8K13G76 ..... \$ 14.99
- #084-280-002 #2 Roll-Up Gun Mat, 8K23B24 ..... 26.99

**OTIS GUN CLEANING MAT**



**Lightweight, Roll Up Mat Protects Guns From Scratches**

Large, waterproof neoprene mat covers the top of your workbench to protect your gun's finish during cleaning, maintenance, or more extensive work. Stays put, so it's great for the reloading bench, the shooting bench, or even on the tailgate of your pickup at the range. Use as a seat in the woods or kneel on it while cleaning game.

*SPECS: Neoprene rubber, black. 36 1/2" (920cm) long, 17 1/4" (450cm) wide, 1/16" (4.8cm) thick.*

- #668-000-099 Gun Cleaning Mat, 8F14F83 ..... \$ 17.30

**RANSOM  
MASTER MAT**

**Flexible, Non-Skid Bench Mat Lays Flat, Keeps Parts Together**



Such a high coefficient of friction that it actually feels sticky! Parts and pieces can't roll and the molded-in trays and raised rims keep things separated. Roll it up, the flexible rubberized plastic won't take a set. Resists most solvents. We tried everything from TCE to Shooter's Choice to Hoppes - none fazed it. Cleans up easily. Light gray color makes parts stand out. 19 1/2" (48.8cm) x 11 1/4" (29.8cm).

- #164-800-000 Master Mat, 4F33C77 ..... \$ 43.99



**MAGPUL  
DAKA® MAGNETIC FIELD TRAY**



**Handy, Go-Darned-Well-Anywhere Tray Keeps Small "Stuff" from Straying - Folds Flat for Storage, too**

Working on firearms and other mechanical gear in the field is nerve-wracking because of the risk of losing a small part. Once it falls into grass or dirt, how ya gonna find it? Losing a part like the firing pin retaining pin or bolt cam pin renders your rifle inoperable and sends you home until those parts can be replaced. Magpul's DAKA Field Tray is equipped with a magnetic working surface, so once you set those small parts down, they STAY where you put them until it's time to reinstall them on the gun or your vehicle or whatever you're working on at the moment. By simply snapping the four corners of the flat tray together, you create a walled, contained workspace that corrals those small bits in one enclosed area. A strong magnet located under the Magpul logo retains small items made of ferrous metal such as springs, bolts, pins, and screws. When it's not in use, the Field Tray can be un-snapped for flat storage inside a backpack, range bags, or behind the front seat of the pickup truck.

These trays are constructed of Magpul's rugged yet flexible, durable, and strong DAKA material, a reinforced polymer fabric with an anti-slip texture for secure handling. Strong RF-welded construction creates permanent, impenetrable seals, and DAKA is both chemical-resistant (and who hasn't had an "oops" with the cleaning solvent?) and non-hygroscopic, so it can handle humidity and rain. Sheds dirt, oil, and debris, too, so it cleans up nicely when you're done. **Small** - 9" x 5" assembled, 11.5" x 7.5" flat. **Large** - 8.75" x 8.75" assembled, 11.5" x 11.5" flat.

- #100-041-586 Small Magnetic DAKA Tray, Black, 9Z17J10 ..... \$ 18.95
- #100-041-587 Small Magnetic DAKA Tray, FDE, 9Z17L10 ..... 18.95
- #100-041-598 Large Magnetic DAKA Tray, Black, 9Z23L96 ..... 26.55
- #100-041-599 Large Magnetic DAKA Tray, FDE, 9Z23Q96 ..... 26.55

**DRYMATE®  
GUN CLEANING PAD**

**Protects Guns From Scratches During Cleaning & Repair**



Lightweight, flexible pad features a soft, absorbent fabric surface that protects the finish on your guns during cleaning and repair. Zorb-Tech® anti-flow technology allows the top fabric layer to absorb spills while the non-slip PVC backing prevents "soak-through" onto your bench. Easily folds up, so you can keep it in your range bag and have a padded surface available at the shooting bench. Cleans with warm water and mild detergent. Small pad is just the right size for a handgun, large pad works great for rifles, shotguns, and muzzleloaders.

- #100-004-360 Small Gun Cleaning Pad, 6C5G52 ..... \$ 6.39
- #100-004-359 Large Gun Cleaning Pad, 6C9H50 ..... 12.19

**BROWNELLS RANGE/BENCH GUN MAT**



**Compact, Cushioned Mat Protects Your Guns From Scratches & Dings**

Soft, flexible mat safeguards the finish on your gun during cleaning or repair. Spongy, neoprene core protects the gun from bumps and dings; nylon outer shell keeps bluing pristine and cleaning rods free of tiny particles that can embed and scar your rifling. Just the right size to hold a handgun and a cleaning rod or two, it has plenty of uses on the workbench, at the range, and in the shop. Rolls up for compact storage in your range bag, and won't take a set. Plus, if it gets dirty, just wash with warm water and mild detergent and let dry thoroughly.

*SPECS: Neoprene rubber with nylon facing, black. 16 1/2" (41.8cm) long, 8 1/4" (22.2cm) wide, 1/8" (2.7mm) thick.*

- #084-000-228 Range/Bench Neoprene Gun Mat, 8F9N60 ..... \$ 10.99



**TEK MAT GUN MATS**



**Protective Mats Feature Handy Schematics Of Popular Guns**

Thick, flexible work mats protect your gun against scratches and pad your workbench or table while serving as a handy reference for disassembly and assembly. **Long Gun mats** are 36" long and 11 1/2" wide. **Handgun mats** are 17" long and 11" wide. Choose gun model below. AR-15 mats available in black, OD Green and Gray.

- #100-016-002 Black 1911 Mat, 5C9P18 ..... \$ 12.60
- #100-016-003 Gray 1911 Gun Mat, 6B34G50 ..... 12.99
- #100-016-004 Black 1911 Cut-Away Gun Mat, 6B34G50 ..... 12.99
- #100-015-988 AK-47 Gun Mat, 5C16J83 ..... 21.99
- #100-015-989 Black AR-15 Gun Mat, 5C17L33 ..... 21.99
- #100-015-990 OD Green AR-15 Mat, 5C17M33 ..... 21.99
- #100-015-991 Gray AR-15 Mat, 5C17L33 ..... 21.99
- #100-015-996 Beretta 92 Gun Mat, 5C9C18 ..... 12.60
- #100-047-175 Browning Hi-Power Gun Mat, 6B34G50 ..... 12.99
- #100-047-180 Colt Single Action Army Revolver Gun Mat, 6B34G50 ..... 12.99
- #100-047-176 CZ-75 Gun Mat, 6B34G50 ..... 12.99
- #100-015-997 Glock Gun Mat, 5C9E18 ..... 12.60
- #100-047-177 GRAY Gun Mat for Glock® Gen4, 6B34G50 ..... 12.99
- #100-047-178 Gun Mat for Glock® Gen5, 6B34G50 ..... 12.99
- #100-047-171 OD GREEN M1 Garand Gun Mat, 6B34G50 ..... 19.99
- #100-015-992 M14/M1A Gun Mat, 5C17P33 ..... 21.99
- #100-015-994 Remington 700 Gun Mat, 5C17M33 ..... 21.99
- #100-015-995 Remington 870, 5C17A33 ..... 21.99
- #100-015-986 Ruger® 10/22® Gun Mat, 5C16K83 ..... 22.99
- #100-047-179 Ruger® Mark IV™ Gun Mat, 6B34G50 ..... 12.99
- #100-015-999 SIG Sauer 229 Gun Mat, 5C9I18 ..... 12.60
- #100-047-181 SIG Sauer P320 Gun Mat, 6B34G50 ..... 12.99
- #100-047-182 SIG Sauer P365 Gun Mat, 6B34G50 ..... 12.99
- #100-047-172 SIG Sauer 556 Gun Mat, 6B34G50 ..... 19.99
- #100-016-000 S&W M&P Gun Mat, 5C9P18 ..... 12.60
- #100-016-001 Springfield XD Gun Mat, 5C9Q18 ..... 12.60

**GUARANTEED. FOREVER.®  
SINCE 1939**

**NEW!** Items **TEK MAT ULTRA**  
**GUN CLEANING/BENCH MATS**



**A Cleaning Mat With Your Gun's Schematic & Disassembly Instructions Printed Right On It!**

TekMat Ultra cleaning mats are more than just protective work surfaces: they include diagrams and schematics of specific popular firearms, so you have instructions for disassembling and reassembling your gun right in front of you as you clean it. The Ultra Cleaning Mats are manufactured using a clear dye-sublimation printing technique that makes the mat waterproof, scratchproof, oil- and chemical-resistant, and washable, too. A direct-vulcanization process adheres the mat's surface to its rubber backing, so that durable, informative top surface won't separate from the padding below. Ultra Cleaning Mats include a parts list that matches the manufacturer's list of parts, so there's no chance of confusion, and you'll always know what part goes where and which parts you might need to order to repair or complete your firearm. **Ultra 20** pistol mats measure 20" x 14.75". **Ultra 44** rifle mats measure 44" x 14.75".

- #100-038-734** Ultra 20 1911 Cleaning Mat, 5C9N89 . . . \$ 15.19
- NEW 100-047-187** Ultra 20 "3D" 1911 Cleaning Mat, 6B34G50 . . . . . 15.99
- #100-038-735** Ultra 20 Beretta 92 Cleaning Mat, 5C9J89 . . . . . 15.19
- NEW 100-047-188** Ultra 20 CZ-75 Cleaning Mat, 6B34G50 . . . . . 15.99
- #100-038-736** Ultra 20 Glock G4 Cleaning Mat, 5C9D89 . . . . . 15.19
- NEW 100-047-190** Ultra 20 Grey Glock Gen4 Cleaning Mat, 6B34G50 . . . . . 15.99
- NEW 100-047-191** Ultra 20 Glock Gen5 Cleaning Mat, 6B34G50 . . . . . 15.99
- NEW 100-047-189** Ultra 20 Glock 42/43 Cleaning Mat, 6B34G50 . . . . . 15.99
- #100-038-738** Ultra 20 SIG Sauer P320 Cleaning Mat, 5C9G89 . . . . . 15.19
- NEW 100-047-192** Ultra 20 SIG Sauer P365 Cleaning Mat, 6B34G50 . . . . . 15.99
- NEW 100-047-193** Ultra 20 S&W M&P Cleaning Mat, 6B34G50 . . . . . 15.99
- #100-038-741** Ultra 44 AK-47 Cleaning Mat, 5C15H49 . . . . . 23.99
- #100-038-742** Ultra 44 AR-15 Cleaning Mat, 5C15G49 . . . . . 23.99
- NEW 100-047-184** Ultra 44 AR-15 Platform Cleaning Mat, 6B34G50 . . . . . 23.99
- NEW 100-047-183** Ultra 44 AR-308 Cleaning Mat, 6B34G50 . . . . . 23.99
- #100-038-743** Ultra 44 AR-15 Cut Away Cleaning Mat, 5C15A49 . . . . . 23.99
- NEW 100-047-185** Ultra 44 M14/M1A Cleaning Mat, 6B34G50 . . . . . 23.99
- NEW 100-047-186** Ultra 44 Remington 700 Cleaning Mat, 6B34G50 . . . . . 23.99
- #100-038-744** Ultra 44 Remington 870 Cleaning Mat, 5C15L49 . . . . . 23.99
- #100-038-740** Ultra 44 Ruger 10/22 Cleaning Mat, 5C15Q49 . . . . . 23.99

**SERIOUS ABOUT FIREARMS SINCE 1939**

**PROFESSIONAL**  
**ASSEMBLY/DISASSEMBLY MAT**

**Don't Scratch Up Those Parts While Working On Guns**

Heavy, neoprene, rubber mat provides a large, padded surface for all kinds of gun servicing. Slightly "grained", hard enough to keep dirt from embedding; cleans up easily with soap and water. Resists most solvents and oils. Rolls up easily so you can add it to your range kit and have a "no-scratch" surface available for those emergency repairs. **#358-128-316** Assy/Disassy Mat, 8E25M25 . . . . . \$ 28.99  
**#358-128-416** Large Mat, 8E52K73 . . . . . 58.99



**BROWNELLS**  
**EXTRA-LARGE BENCH BLOCKS**

**Large, 4" Diameter, Useable Surface Will Not Embed Or Mar**



Rifle



Pistol

Extra size and weight helps keep these blocks where you put them and the big face eliminates much of the "balancing act" when you're driving pins. Cannot mar even the most highly polished surface. Two different models. **Green** - For rifles and shotguns; drilled with four through holes for easy pin removal and disassembly. Convenient, center "V" holds cylindrically shaped parts steady so they won't roll. **Blue** - For revolvers and pistols. Larger through holes and partial "V" holds pistol barrels for easy link pin installation and removal. Can be drilled or modified with hand tools; will not melt when machined.

**SPECS:** Polyethylene, green or blue. 4" (10cm) diameter, 1 1/8" (2.8cm) high.  
**#080-000-492** Rifle Bench Block, Green, 8D18B99 . . . \$ 19.99  
**#080-000-493** Pistol Bench Block, Blue, 8D18F99 . . . . 19.99



**BROWNELLS** AR-15/M16  
**FRONT SIGHT BENCH BLOCK**

**Two Working Sides For Installation & Removal**

Big, tough, polyethylene block gives fitted support for installing/removing the front sight assembly on mil-spec, AR-15 rifles and carbines. Precision-machined and clearly marked on both sides for driving the mounting pins "IN" or "OUT" of the sight. Accommodates the sling swivel, plus, includes provisions for removing the gas tube roll pin. The **Front Sight Housing Maintenance Kit** includes the front sight bench block, a taper pin starter punch for removing and installing the factory front sight housing, plus an AR-15 sight wrench for easy sight adjustments.

**SPECS:** Polyethylene, orange. 4" (10.2cm) dia. x 1 1/8" (4.3cm) high.  
**#080-000-252** AR-15 Front Sight Bench Block, 8D35A93 . . . . . \$ 38.99  
**#080-001-156** Front Sight Housing Maintenance Kit, 8K68J36 . . . . . 76.99



**BROWNELLS**  
**GUNSMITH'S BENCH BLOCK**

**Made To Our Own Specs To Fill Every Bench Need**

**STEEL - Precision-Machined & Surface-Ground**

Heavy duty, precision-machined steel Bench Block for driving out pins, etc., in round or flat work. Surface-ground top and bottom for complete accuracy. Thirteen holes vary in size from 5/32" to 5/8" with four holes for removing barrel pins. Hole layout fits left- and right-hand users. "V" in center for holding round or odd-shaped stock. **SPECS:** 1045 steel, blue finish. 2 1/4" (6.7cm) diameter. 1 1/2" (3.8cm) high. 1 1/2 lb. (503 g).



**#080-632-000** Steel Bench Block, 8K37M05 . . . . . \$ 41.99

**NYLON - Totally Non-Marring**

For those times when any blemish on the gun would spell disaster, this non-marring, solid cast, nylon bench block is a real life saver. Similar in design to the steel precision machinist's block, but non-marring nylon. Has "V" in center for round or flat pieces. Light weight makes ideal for your range kit, too.



**SPECS:** 2 1/2" (6.3cm) diameter. 1 1/2" (3.8cm) high. 4 1/2" oz. (128g). 5 holes range from .122" (3.1mm) to .375" (9.5mm). "V" groove.  
**#928-100-000** Nylon Bench Block, 8K16A66 . . . . . \$ 18.99



**WHEELER ENGINEERING**  
**UNIVERSAL BENCH BLOCK**



**Handy for Working on 1911s, AR-15 & Many More Firearms**

Made of non-marring urethane, the this bench block is an excellent tool for neatly wheeling pins out of firearms without damaging the pin, the rest of the gun, or your benchtop. Great for working on M1911 pistols and many other firearms such as the Ruger® 10/22® Cutouts include a mainspring removal recess and boss, barrel link removal V channel, rear sight drift channel, front sight staking channel, hammer and sear pin removal holes, and an ejection port dressing channel.

**#100-042-065** Universal Bench Block, 6B34G50 . . . . . \$ 23.99

**BROWNELLS** GUNSMITH'S PUNCH & NEEDLE FILE BLOCK

**Ends Bench Clutter, Keeps 'Em Where You Can Find 'Em**

Compact, tough, solid oak block has 40 holes drilled along the top to hold punches, small screwdrivers, palm chisels, needle files, gravers, pencils, scribes right where they're always handy. Frees up tool box space. Designed by a



**BROWNELLS**  
**PREMIUM ROLL PIN HOLDERS**

**Prevents Flattening Roll Pin Tip**

Five piece set contains the most commonly used holders to accurately align roll pins during removal or installation. Set contains 1/16", 3/32", 1/8", and 3.5mm roll pin holders. The 1/16" holder is notched to clear AR-15/M16 rear sights. The 3.5mm is ideal for holding the breech block retaining pin on Sig handguns. Each holder is made from 5160 heat treated bainite steel for strength. Holders are available as a set or individually. **SPECS:** 5160 steel, heat treated. 3/16" (7.9mm) wide hex handle.



- #080-001-132** Premium Roll Pin Holder Set, 8K29K41 . . \$ 31.99
- #080-001-133** 1/16" Diameter Roll Pin Holder, 8K6B99 . . 7.99
- #080-001-134** 3/32" Diameter Roll Pin Holder, 8K6I99 . . 7.99
- #080-001-135** 1/8" Diameter Roll Pin Holder, 8K6P99 . . 7.99
- #080-001-136** 3/16" Diameter Roll Pin Holder, 8K6M99 . . 7.99
- #080-001-137** 3.5mm Diameter Roll Pin Holder, 8K6F99 . . . . . 7.99

**BROWNELLS**  
**PREMIUM ROLL PIN PUNCHES**



**Easily Remove & Install Roll Pins Without Damage**

These punches feature the correct balled tip for locating the punch on the roll pin and protecting the pin against damage during removal or installation.

Handle has hexagonal cross section for precise control. Three grooves give positive grip, and each punch has the size engraved on it for instant identification. Sold individually or as a kit that includes all 7 sizes.

**SPECS:** Carbon steel, heat hardened. Available sizes: 1/16", 3/32", 1/8", 3/16", 1/4", 3/8", and 1/2" diameter.

- #080-001-083** Premium Roll Pin Punch Kit, 8K31Q66 . . \$ 34.99
- #080-001-068** 1/16" Premium Roll Pin Punch, 8K6M02 . . 6.99
- #080-001-069** 3/32" Premium Roll Pin Punch, 8K6I02 . . 6.99
- #080-001-070** 1/8" Premium Roll Pin Punch, 8K6H02 . . 6.99
- #080-001-071** 3/16" Premium Roll Pin Punch, 8K6P37 . . 6.99
- #080-001-072** 1/4" Premium Roll Pin Punch, 8K6D43 . . 6.99
- #080-001-073** 3/8" Premium Roll Pin Punch, 8K6K43 . . 6.99
- #080-001-074** 1/2" Premium Roll Pin Punch, 8K6A02 . . 6.99

gunsmith for use on his own bench, and shared with us because it's such a great tool holder.

**SPECS:** 15" (38.1cm) long, 3" (7.6cm) wide, 2 1/4" (5.7cm) high. 12 holes 1/16" (1.1mm) diameter; 16 holes 3/32" (7.1mm) diameter; 12 holes 1/8" (4.8mm) diameter. All holes 1 1/4" (3.2cm) deep.

**#084-305-101** Punch & Needle File Block, 8K42H48 . . . . . \$ 47.99

Orders: 800-741-0015

order on the web  
**brownells.com**

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**BROWNELLS PREMIUM ROLL PIN STARTER PUNCHES**



Easily Remove Roll Pins From Most Firearms

We've taken the most commonly used gunsmithing punches and combined them into one handy kit. The ball tips on these hardened steel punches ensure the punch stays centered and will not damage the pin during installation or removal. Reverse taper helps prevent punches from sticking. Punches are available as a set of seven or they can be purchased individually. **USA**  
**SPECS:** Carbon steel, heat hardened. Set contains 1 each of 1/16", 3/64", 1/32", 1/16", 3/32", 1/8", and 1/4" diameter punches.

- #080-001-082 Premium Roll Pin Starter Punch Set, 8K27E98 ..... \$ 31.99
- #080-001-075 1/16" Roll Pin Punch, 8K8L99 ..... 9.99
- #080-001-076 3/64" Roll Pin Punch, 8K6F39 ..... 6.99
- #080-001-077 1/32" Roll Pin Punch, 8K6I39 ..... 6.99
- #080-001-078 1/8" Roll Pin Punch, 8K6N39 ..... 6.99
- #080-001-079 1/16" Roll Pin Punch, 8K6N00 ..... 6.99
- #080-001-080 1/16" Roll Pin Punch, 8K5D48 ..... 5.99
- #080-001-081 1/32" Roll Pin Punch, 8K6M39 ..... 6.99

**BROWNELLS BRASS PUNCH SET**

For Driving Roll Pins, Sights & Solid Pins



Precision machined, non-marring brass punches drift sights and drive pins without risk of damage to the sight, pin, or firearm. We combined 20 of our most popular non-marring brass punches, added a compact bench block and came up with a great addition for the work bench. Features (4) starter punches, (8) roll pin punches, and (8) standard punches for a variety of different jobs. Delrin® bench block holds and organizes all 20 punches for easy access, plus is resistant to most solvents. Starter punches are used to start the removal of steel or aluminum pins. Short, tapered shaft is extra stiff to prevent bending and twisting. Roll Pin punches feature a special tip that centers inside the hollow pin to help prevent slippage when driving roll pins and spring pins. Standard punches are non-tapered with a flathead tip surface that works great for drifting front and rear dovetail sights. Complete set includes bench block, also available separately. **USA**

**SPECS:** Brass. Starter Punches - Contains (1) of each diameter: 1/16" (1.6mm), 3/32" (2.4mm), 1/8" (3.2mm), 1/4" (4mm). Roll Pin Punches - Contains (1) of each diameter: 1/16", 3/64", 1/32", 1/8", 3/32", 1/4" (4.8mm), 1/2" (5.6mm), 3/4" (6.4mm), 1/2" (7.9mm). Working length: 3/16" (7.9mm) - 1 1/8" (2.8cm) long. Standard Punches - Contains (1) of each diameter: 1/16", 3/32", 1/8", 1/4", 1/2", 3/4", 1" (2.5cm). Working length: 1/16" (7.9mm) - 1 1/8" (2.8cm) long. Bench Block - Delrin, tan. 6 1/2" (16cm) long, 3" (7.6cm) wide, 1/2" (1.9cm) high. Holds 20 punches. Bench block included in set, also available separately.

- #080-000-649 Brass Punch Set, 8K104H77 ..... \$ 119.99
- #080-000-648 Bench Block, only, 8K9J99 ..... 11.99



**GRACE PIN PUNCH SET**

7 Handy Punches

This set will cover 90% of your shop needs and gun pin needs. **USA**

- SPECS:** 1 starter punch, 1 center punch, 5 drift punches (3/64", 3/64", 3/32", 1/16", 1/16" diameters).
- #354-007-000 Punch Kit, 4E33C98 ..... \$ 40.99

**BROWNELLS DELUXE PUNCH BENCH SET**



Remove & Install Pins, Align Holes, Stake Sights; Twenty Punches In All

This deluxe punch set gives you a versatile selection of 20 punches to easily start, remove and install pins, align holes, plus drift and stake sights without marring the part or firearm finish. We combined alignment punches, flat tip mini punches, starter punches, a nylon drift punch, and a center and prick punch with our most popular pin punches, then added a machined Delrin® bench block to hold and organize them all for easy access. Punches are constructed of hardened steel with parallel-ground shanks and either knurled or hexagonal handles. The nylon drift punch is solid nylon and can be shaped for your specific application. Alignment punches feature a tapered pin with a working length almost 3" long to help ensure a tight fit with any size diameter hole size between the minimum and maximum outside diameter of the punch. Each punch minimum diameter overlaps slightly with the next larger punch to prevent any possible gaps in hole coverage. Mini punches are small diameter punches with a flat tip that provide excellent control because of their short length. Ideal for precision work and tight spots where a full-length punch just won't fit. Use the starter punches to start the removal of roll or spring pins without causing damage to the pins or the punch. Short shafts give more control by putting your hand closer to the pin and prevents bending the longer, standard roll pin punches. Prick punch has a fine, sharp point for marking spots before center punching and staking sights. Gives better visibility and more precision to your marking. Use the center punch after the prick punch to deepen the mark for precision drilling. The pin punches are used after the starter punch to finish drive the roll pin or spring pin. Bench block is also available separately. **USA**  
**SPECS:** Steel, knurled or hexagonal handle, except nylon drift punch is solid nylon. Nylon Punch - Contains (1), 4" (10cm) long x 3/16" (7.9mm) diameter. Alignment Punches - Contains (1) of each diameter: .070" (1.8mm) to .156" (4.0mm); .110" (2.8mm) to .187" (4.7mm); .150" (3.8mm) to .219" (5.6mm). Taper length: 2 1/2" (6.3cm) to 3" (7.6cm). Mini Punches - Contains (1) of each diameter: 1/16" (1.6mm), 3/64" (2mm), 1/32" (2.4mm), 2 1/4" (7cm) long. Starter Punches - Contains (1) of each diameter: 1/16", 3/64", 1/32", 1/8" (3.2mm), 1/4" long. Prick Punch - Contains (1), 3/16" x 4" long. Center Punch - Contains (1), 3/16" x 4" long. Pin Punches - Contains (1) of each diameter: 1/16", 3/64", 1/32", 1/8", 3/32", 1/4" (11.4cm) long, 1/8" x 4 1/2" (12.1cm) long, 3/32" (4mm) x 5" (12.7cm) long. Bench Block - Delrin, tan. 8" (20cm) long, 3" wide, 1/2" (1.9cm) high. Holds all 20 punches.

- #080-000-653 Pin Punch Set, 8K97Q93 ..... \$ 105.99
- #080-000-652 Bench Block, only, 8K11B99 ..... 11.99

**GRACE**

**21 PIECE STEEL PUNCH SET**

Versatile Set To Handle A Variety Of Common Gunsmithing Tasks



Ideal for the busy professional gunsmith, serious hobbyist, or armorer, this set contains 21 punches most commonly used in gun work. You get 7 standard punches, 7 roll pin punches and 7 matching roll pin starter punches, each in 1/16", 3/64", 1/32", 1/8", 3/32", 1/4", and 1/2" sizes. Manufactured from high carbon, molybdenum tool steel, these punches are full-length hardened, with a tempered striking end. They are centerless ground for excellent accuracy, and have a reverse taper from the tip to help prevent punch from sticking in the work piece. Neoprene bench block to organize your punches for easy access. Bench block is also available separately. **USA**

- #354-000-040 21 Piece Steel Punch Set w/Bench Block, 4E104C92 ..... \$ 119.99
- #354-000-041 Bench Block Only, 4E19L68 ..... 24.99

**BROWNELLS GUNSMITH MASTER PUNCH SET**



High Quality Tools For Professional Results

The punches in this master set were specifically chosen for the professional gunsmith. We handpicked high quality punches and added anylon bench block, nylon/brass hammer, and neoprene gun mat, then packed them in a durable polyethylene case for easy access and storage in the shop. Features (4) premium quality starter punches to break loose stuck or tight pins, (4) pin punches with hardened points that won't bend, (1) prick punch for marking spots before center punching, and (1) center punch for starting holes before drilling. Also includes (4) premium brass punches for drifting sights, driving pins or fitting parts when marking or scratching the surface can mean the difference between a job well done and disaster, plus (3) nylon front-sight drift punches for driving the front sight in or out without marring. Steel and brass punches are individually marked for size. Solid nylon, bench block with "V" center holds round or flat pieces tight. Nylon/Brass hammer with nylon head won't mar metal, and solid brass head is perfect for driving punches. Neoprene gun mat is soft and flexible to safeguard the finish on guns during cleaning or repair. Just the right size to hold a handgun and small parts; easily cleans with mild detergent and warm water. **USA**  
**SPECS:** Polyethylene Case - 14" (35.6cm) long, 9" (23cm) wide, 1 1/2" (4.7cm) high. Pin/Starter Punches - Tool steel, knurled body. 4" (10.2cm) long x 1/16" (1.6mm), 1/32" (2.4mm), 1/8" (3.2mm), 1/4" (4mm) dia. Center Punch - Tool steel, knurled body. 3 1/2" (9.0cm) long x 3/16" (7.9mm) dia. Prick Punch - Tool steel, knurled body. 4" (10.2cm) long x 3/16" dia. Brass Punches - 3 1/2" long, 3/16" (7.9mm) hex stock, 1/32", 1/16", 1/8" (5.6mm), 1/4" dia. Nylon Front-Sight Punches - 4" long x 1/16" dia. Bench Block - Nylon, 2 1/2" (6.3cm) dia., 1 1/2" (3.8cm) high. 5 holes range from .122" (3.1mm) to .375" (9.5mm). Nylon/Brass Hammer - 1" (2.5cm) dia. faces. 1 1/2" (29.2cm) hickory handle. 6 oz. (170.1g) weight. Gun Mat - Neoprene rubber with nylon facing, black. 16 1/2" (41.8cm) long, 8 1/2" (22.2cm) wide, 1/4" (2.7mm) thick.

- #080-000-569 Master Punch Set, 8K104J99 ..... \$ 110.99



**BROWNELLS GUNSMITH PROFESSIONAL PUNCH SET**

Best Material - Quality Machined & Priced For You

Excellent All-Around Selection Chosen Specifically For Gun Work



For bench use or service kit. Contains 10 punches, one each of the four super quality starter and pin punches shown above, plus center punch and a special prick punch for staking sights, pins and the like. Attractively packaged in durable, pocketed, roll kit for positive, no-loss storage within the shop and easy carrying when on the go. **USA**  
**SPECS:** 4" (10.2cm) lg. 1/4" (6.3mm) or 3/16" (8mm) dia. handles.

- #080-553-000 Pro Punch Set, 8K46A21 ..... \$ 49.99

**GRACE BRASS PUNCH SET**



Non-Marring, Precision-Machined To Fit Common Pin Sizes

For drifting sights, driving pins or fitting parts when marking or scratching the surface can mean the difference between a job well done and disaster. Machined from premium, brass hex. Punch Set includes 8 flathead, long shaft punches for driving pins completely out. Roll Pin Punch Set includes 8 roll pin punches with cupped ends that fit around roll pins without drifting off. Starter Punch Set includes 4 flathead, tapered punches for drifting sights and driving pins flush. Includes plastic storage pouch for easy access. Punches also available separately. **USA**  
**SPECS:** Brass, 3/16" (7.9mm) hex stock. Punch Set/Roll Pin Punch Set - 8 punches: 1/16", 1/32", 1/8", 3/32", 1/4", 1/2", 3/4", 1" dia. Starter Punch Set - 4 punches: 1/16", 1/32", 1/8", 3/32" dia.

**LONG SHAFT PUNCHES**

STOCK #	SIZE	STOCK #	SIZE
#354-100-062	1/16" (1.6mm)	#354-100-187	1/8" (4.8mm)
#354-100-093	1/32" (2.4mm)	#354-100-218	1/16" (5.3mm)
#354-100-125	1/8" (3.2mm)	#354-100-250	1/4" (6.4mm)
#354-100-156	1/32" (4mm)	#354-100-312	3/16" (7.9mm)

- Advise # - Long Shaft Punch, each, 4E5E49 ..... \$ 7.99

**STARTER PUNCHES**

STOCK #	SIZE	STOCK #	SIZE
#354-000-007	1/16" (1.6mm)	#354-000-009	1/8" (3.2mm)
#354-000-008	1/32" (2.4mm)	#354-000-010	1/16" (4mm)

- Advise # - Starter Punch, each, 4E6E53 ..... \$ 9.29

- #354-100-000 Punch Set, 8 pc, 4E29E14 ..... \$ 31.99
- #354-000-006 Starter Punch Set, 4 pc, 4E17A23 ..... 25.99
- #354-000-011 Roll Pin Punch Set, 8 pc, 4E29K14 ..... 33.99

**BROWNELLS HOLE CENTER PUNCHES**

Use Sights, Ribs Or Bases As Their Own Drill Guide



3 special Center Punches with outside diameters (O.D.) that match the clearance drill size of the most popular sight, rib and scope base mounting screws. Ground, parallel sided punches reach through even the thickest handgun rib. Ends guesswork and center-to-center spacing problems. To Use: Level gun in vise or scope mounting jig, position and level sight, rib or base, and clamp in place. Place correct size punch in hole and lightly tap with a 4-oz. hammer. Remove base; drill and tap first hole; re-install base and check positioning. If everything is "square", re-clamp and finish other holes. **USA**  
**SPECS:** 2 1/4" (7cm) long, 1/4" (6.3cm) diameter knurled handle. Hardened, tool steel.

- #080-732-006 #6 Hole Center Punch, 8K7Q99 ..... \$ 8.99
- #080-732-008 #8 Hole Center Punch, 8K7J99 ..... 8.99
- #080-732-010 #10 Hole Center Punch, 8K7P99 ..... 8.99
- #080-732-000 Hole Center Punch Set, 8K18B85 ..... 21.99

**QUESTIONS BEFORE YOU BUY? Ask Our Full-Time Tech Staff 641-623-5401**

## LYMAN DELUXE PUNCH SETS

Convenient, Easy-To-Use Sets Ensure You Have The Right Punch For The Job

Compact set of punches, with hammer, stores in its own bench block for quick access. Combination brass/nylon hammer has machine knurled handle for positive grip. **SPECS:** 4130 steel punches. Set includes 1/16" (1.5mm), 1/32" (2.3mm), 1/8" (3.1mm), 1/4" (9.9mm), 3/16" (4.7mm) diameter pin punches, 1/2" center punch, 1/16" diameter brass drift. Brass/nylon face hammer, 8" (20cm) overall length, hardwood storage block. **#539-703-129 Delux Hmr/Punch Set, 5K47M99 . . . . \$ 53.99**



**ROLL PIN PUNCH SET** - Remove and replace hollow split roll pins easily and safely using these special-built round-nose punches. The round tip locks into the pin to keep the punch from slipping and damaging receivers, trigger assemblies, and other fragile mechanisms. Machined knurling also helps you maintain a secure grip and retain control of the punch. Made of through-hardened 4140 steel for maximum strength and years of dependable service. **SPECS:** 4140 chrome-moly steel. Set of 4 punches, approximately 4" (10.2cm) long, in 1/16" (1.6mm), 1/8" (2.4mm), 1/4" (3.2mm), and 3/8" (4mm) diameters. **#539-000-018 Roll Pin Punch Set, 5K17A99 . . . . . \$ 19.99**



**PUNCH SET** - Five, precision-machined gunsmith punches equip you to handle a wide variety of disassembly and reassembly jobs. Non-tapered, with a flat tip for removing solid pins—excellent for drifting sight pins in and out. Kit includes four, steel punches through-hardened for excellent strength and a non-marring brass drift punch for jobs where the gun's finish must be protected. Knurled handles ensure a firm grip to prevent slippage that can lead to accidental marring of the gun's finish. **SPECS:** Pin punches - 4140 chrome-moly steel. 1/16", 1/8", 1/4", 3/8" diameters. 3 1/2" to 4 1/2" OAL. Drift punch - Brass. 1/16" (4.8cm) diameter. 3 1/4" (8.3cm) OAL. **#539-000-019 Pistol Punch Set, 5K16L99 . . . . . \$ 18.99**



## REAL AVID GUNSMITHING ROLL PIN PUNCH SETS

Accu-Punch Hammer & Pin Punch Set



**A Conveniently Configured Kit To Suit a Wide Variety of Gun Work Applications**

Stubborn pins? No problem. Real Avid has a hammer-and-punch set to help any gun owner, serious hobbyist, or pro gunsmith can safely remove and install just about any firearm roll pins. The **Accu-Punch Hammer & Roll Punch Pin Set** has a balanced, ergonomic hammer that partners with easy grip hex-handle punches for precise control. Hammer comes with interchangeable heads in rubber, brass, steel, and nylon. Punch sizes include 1/16", 1/8", 1/4", 3/8", 1/2", 5/8", 3/4", and 1". The proprietary pin alignment tool makes starting tiny pins easy, greatly reducing risk of that pin zipping across the workroom and getting lost. The **Accu-Punch Pack** contains the 4-interchangeable head hammer, plus steel punches in 1/16", 1/8", and 1/4" sizes, brass punches in 1/8", 1/4", 3/8", 1/2", 5/8", 3/4", and 1" sizes, the starter pin holder, AND the non-slip, magnetic, universal Smart Bench Block with a rubberized outer surface. Kickstand case included. **#100-034-149 Accu-Punch Hammer & Roll Pin Punch Set, 8C00E99 . . . . . \$ 39.99**  
**#100-036-433 Accu-Punch Pack, 8C34G62 . . . . . 39.99**

## OBSIDIAN ARMS BASIC 8-PUNCH SET

**Handy, Portable Set of Punches Sized for the Most Commonly Encountered Firearm Roll Pins**

Obsidian's handy punch set comes in a convenient, durable, roll-up canvas pouch, so you can take it pretty much anywhere. Sizes contained in this kit are 1/16", 1/8", 1/4", 3/8", 1/2", 5/8", 3/4", and 1" standard pin punches. Each punch is made from heat-treat hardened 4140 carbon steel with a tough QPQ finish that protects them from surface wear and corrosion. A must-have in any well-stocked range bag. Why have a day at the range cut short because you couldn't remove a pin or two to repair a gun and get back to the line? **#100-039-525 Standard Pin 8-Punch Set, 9G00BBQ . . . \$ 42.75**



diameter: .092" (2.3mm), .120" (3mm), .151" (3.8mm), and .246" (6.2mm). **Bench Block** - Delrin, tan. 6 1/2" (16cm) long, 3" (7.6cm) wide, 1/4" (1.9cm) high. Holds 8 punches.

STK#	STEEL	STK#	BRASS	DIAMETER	PRICE
#080-000-029		#080-000-024		.092"	\$ 8.99
#080-000-030		#080-000-025		.120"	\$ 8.99
#080-000-031		#080-000-026		.151"	\$ 8.99
#080-000-032		#080-000-027		.246"	\$ 8.99
#080-000-034		Set Of Four Steel Punches, 8K31H10 . . .			\$ 39.99
#080-000-028		Set Of Four Brass Punches, 8K31J10 . . .			\$ 39.99
#080-000-647		Alignment/Push Punch Set, 8K54H99 . . .			\$ 60.99
#080-000-646		Bench Block, only, 8K9149 . . . . .			\$ 10.99

## BROWNELLS NYLON/BRASS DRIFT PUNCH



**6 Indispensable Mar-Proof Punches**

Great combination punch for gunsmith, machinist and tool-maker. Hi-impact steel handle with knurled grip for easy holding and accurate control. Built to withstand maximum impact with a minimum of distortion. Interchangeable and replaceable tips are available in: **Nylon** with steel reinforcing pin to prevent bending or breakage while giving completely mar-free punching action; **Brass** for a harder-than-nylon but softer-than-steel impact where slight discoloration is acceptable. **Remington Shotgun Punch Tip** for removing trigger plate pins from 870, 1100 and 1187. Supplied as: **Basic Set** with two 3/16" diameter tips (one Nylon, one Brass) and one Handle. **4-Way Set** includes four Handles, one 1/16" Nylon Tip; plus one each, 3/16", 1/4" and 5/16" diameter Brass Tips. **6-Way Set** adds 1/4" and 3/16" diameter, Aluminum Tips and 2 more handles to the 4-Way Set. **SPECS:** Handle 3" (7.6cm) long x 3/4" (9.5mm) diameter. Tips are 1 1/4" (3.2cm) long. **#080-475-001 .165" Nylon Punch Tip, 8K4J99 . . . . . \$ 4.99**  
**#080-001-223 .165" Nylon Punch, Handle+Tip, 8K6H41 . . . . . 6.99**  
**#080-475-002 3/16" Brass Punch Tip, 8K3L99 . . . . . 3.99**  
**#080-475-003 1/4" Brass Punch Tip, 8K5D99 . . . . . 5.99**  
**#080-475-004 3/16" Brass Punch Tip, 8K3L99 . . . . . 3.99**  
**#080-475-005 1/4" Alum Punch Tip, 8K4K99 . . . . . 4.99**  
**#080-475-006 3/16" Alum Punch Tip, 8K4J99 . . . . . 4.99**  
**#080-001-224 Rem. Shotgun Punch, Handle+Tip, 8K7H29 . . . . . 7.99**  
**#080-000-209 Rem. Shotgun Punch Tip, 8K5C99 . . . . . 5.99**  
**#080-475-000 Basic N/B Punch Set, 8K7M00 . . . . . 7.99**  
**#080-475-100 4-Way N/B Punch Set, 8K17D66 . . . . . 18.99**  
**#080-475-106 6-Way Punch Set, 8K20H46 . . . . . 22.99**

## BROWNELLS NYLON FRONT-SIGHT DRIFT PUNCH

Non-Marking Drift For Sights & Pins

This handy little punch is made for just one purpose . . . to drive the front sight in or out without marring it or the barrel. We first tried Brass, but as you know, it leaves a "Brass tracking" wherever it rubs. We then tried fiber, but after a few hard blows it shatters. NYLON doesn't mark the barrel or sight, nor does it shatter or lose its shape after hard and prolonged use. **SPECS:** 4" (10.2cm) long. 3/16" (7.9mm) diameter. Polyenco Nylon. Sold in a set of 3. **#080-478-000 Set of 3 Nylon Front Sight Punches, 8K5D99 . . . . . \$ 5.99**

## BROWNELLS DOVETAIL SIGHT PUNCHES

Non-Marring Brass Punches Purpose-Designed For Sight Work

These punches are specifically designed for the installation, removal, and adjustment of front and rear handgun sights. Made of brass so they will not mar the sight or the gun if you slip. Unique triangular punch faces and heavy-duty bodies make them indispensable working tools for the gunsmith. Can be re-ground to square up the flat after multiple uses. **Front Sight Punch** has a base width of approximately .280"; **Rear Sight Punch** has a base width of approximately 0.480". They are sold separately or can be purchased together in a handy kit. The **Small Dovetail Sight Punch** (sold separately) has a .230" base width, making it ideal for front and rear sights on compact handguns. **SPECS:** Brass. Approx. 3 1/2" OAL, with 1" punch tip. **#080-001-138 Front Sight Punch, .280", 8K10D79 . . . \$ 11.99**  
**#080-001-139 Rear Sight Punch, .480", 8K10F46 . . . 11.99**  
**#080-001-164 Front/Rear Sight Punch Kit, 8K18J81 . . . 21.99**  
**#080-001-230 Small Dovetail Sight Punch, .230", 8K8H99 . . . . . 9.99**

## BROWNELLS GUNSMITH'S ALIGNMENT PINS

The CURE For Some Tough Assembly Jobs

Made for us exclusively, to our professional specifications, and are forged, taper-ground and polished. Dimensions set to give you size overlap from pin to tip to cover every conceivable situation. Tapers are 2 1/2" long on the 4" long pins. **SPECS:** Steel. Knurled handle. Taper as follows: Small - .070" (1.8mm) to .156" (4.0mm); Medium - .110" (2.8mm) to .187" (4.7mm); Large - .150" (3.8mm) to .219" (5.6mm). Sold as a set. Small and Medium also available separately. **#080-645-000 Alignment Pin Set, 7D16F36 . . . . . \$ 18.99**  
**#080-645-007 Small Alignment Pin, 8K8F99 . . . . . 9.99**  
**#080-645-011 Medium Alignment Pin, 8K8H99 . . . . . 9.99**

## BROWNELLS CUP TIP PUNCHES



Prevent Those Beautiful Round-Headed Pins From Flat-Topping

Eight concave "cupped" tip punches to precisely fit the round head pins found on Smith & Wesson handguns. Won't flatten the pin top and ruin the gun's looks. Made to the same specs as those used by the factory. Use 3mm punch on SIG handguns. Complete set (Set D listed below) includes a Delrin® bench block that holds and organizes all eight punches. Bench block also available separately. **SPECS:** Punches - Steel. 1/16" (7.9mm) wide hex handle. Long - 3 1/4" (9.5cm) overall w/ 1/4" (19.0mm) tip. Short - 3 1/8" (8.6cm) overall w/ 3/16" (9.5mm) tip. 3/16" (7.9mm) hex handles. Bench Block - Delrin, tan. 8" (20cm) long, 3" (7.6cm) wide, 1/4" (1.9cm) high. Holds all 8 punches. **Set A** contains (1) of each punch #1, #2 and #3. **Set B** contains (1) of each of punch #4, #5 and #6. **Set C** contains (1) of each punch #1 thru #6. **Set D** contains (1) of each of punch #1 thru #8 and bench block.

STOCK #	MODEL	DIAMETER	LENGTH
#080-620-001	1	.057" (1.4mm)	Long
#080-620-002	2	.066" (1.7mm)	Long
#080-620-003	3	.072" (1.8mm)	Long
#080-620-004	4	.040" (1.0mm)	Short
#080-620-005	5	.050" (1.3mm)	Short
#080-620-006	6	.050" (1.3mm)	Long
#080-620-300	7	3mm (118")	Long
#080-620-301	8	3mm (118")	Short

— Advise # — Cup Tip Punch, 8K15J69 . . . . . \$ 17.99  
**#080-620-103 Cup Tip Punch Set A, 8K40H21 . . . . . \$ 46.69**  
**#080-620-203 Cup Tip Punch Set B, 8K42M99 . . . . . 48.99**  
**#080-620-306 Cup Tip Punch Set C, 8K82F92 . . . . . 89.99**  
**#080-000-645 Cup Tip Punch Set D, 8K109F41 . . . . . 128.34**  
**#080-620-300 Long 3mm Cup Tip Punch, 8K12B14 . . . . . 12.99**  
**#080-620-301 Shrt 3mm Cup Tip Punch, 8K11F99 . . . . . 12.99**  
**#080-000-644 Bench Block, only, 8K9M49 . . . . . 10.99**

## BROWNELLS ALIGNMENT & PUSH PUNCHES

Use to Align Parts, Start Pins, Assembly/Disassembly

For the professional and home gunsmith alike these punches take much of the frustration out of aligning parts and assemblies. And they provide faster and easier disassembly, too. Furnished with a large, easy-to-grasp, handle that gives excellent control for aligning holes and starting pins. Slightly undersized shank provides a close fit that won't bind in the hole. A slight taper, 3/4" from the end is especially useful when fitting parts that require repeated assembly and disassembly. Four sizes fit the majority of pins found on the AR-15, 1911 Auto, Remington 870 and Ruger Revolvers. Won't roll off bench. **Alignment/Push Punch Set** includes one each of the punches listed below, plus a Delrin bench block to store and organize all eight punches, so you always have them at your fingertips. Bench block also available separately. **SPECS:** Handle - Plastic. Shank - Unhardened steel drill rod, or 360 alloy brass. 3 1/2" (8.2cm) long. OAL - 4 1/4" (12.1cm) long. **Alignment/Push Punch Set** - Contains (4) brass and (4) steel punches, (1) brass and (1) steel of each



Orders: 800-741-0015

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## BROWNELLS GUNSMITH REPLACEABLE PIN PUNCH SET

Take The Blow(S) Out Of Replacing Pin Punches



Finally! What we think is the answer to the pin punch headache that has plagued us - and every other gunsmith who has ever knocked out a gun pin, had the punch break or bend, and been out of business until a new one could be made or ordered. Now - Just Replace the Tip!

### REPLACEABLE PUNCH PIN

Handles, with removable knurled-chuck to hold punch, are made of powerful, fatigueproof C.R.S. Steel - Tensile strength of over 140,000 psi (Min.). **Replaceable Punch:** the secret of the tool. These are special, tool steel, bevel-headed punches designed for the tool, die and mold manufacturers as perforators, punches, ejectors and core pins. Oil hardened to Rc 58-60. Heads are annealed to Rc 42-45. They come in two lengths and can be ground down to exact length required - custom punches with minimum investment. **Sets** come with three punches with .039", .060" and .091" dia. pins. **SPECS:** Handle - 3" (7.6cm) long x 3/8" (9.5mm) diameter. Pins are 2" (5.1cm) or 2 1/2" (6.3cm) long.

### COMPLETE SINGLE PIN PUNCHES

STOCK #	DIA.	LENGTH	STOCK #	DIA.	LENGTH
#080-507-239	.039	2"	#080-507-539	.039	2 1/2"
#080-507-260	.060	2"	#080-507-560	.060	2 1/2"
#080-507-291	.091	2"	#080-507-591	.091	2 1/2"
#080-001-123	3mm	2"			

- Advise # — Replacement Pin Punch, Each, 8K9A99... \$ 10.99
- #080-507-239 Replacement .039" x 2" Pin Punch, Each, 8K10Q06... \$ 10.99
- #080-507-000 Compl. Pin Punch Set of 3, w/2" pins, 8K21J98... 24.99
- #080-507-050 Compl. Pin Punch Set of 3, w/2-1/2" pins, 8K21I89... 24.99

### REPLACEMENT PINS

**SPECS:** Sizes: .039" for 3/64" diameter pins; .060" for 1/16" diameter pins; .091" for 3/32" diameter pins. 2 lengths: 2 and 2 1/2". Sold in Paks of 6.

- #080-509-639 2" x .039" Pins, 8K11J99... \$ 14.99
- #080-509-660 2" x .060" Pins, 8K11G99... 14.99
- #080-509-691 2" x .091" Pins, 8K11Q99... 14.99
- #080-510-639 2 1/2" x .039" Pins, 8K12L35... 14.99
- #080-510-660 2 1/2" x .060" Pins, 8K16B99... 19.99
- #080-510-691 2 1/2" x .091" Pins, 8K12A71... 15.99
- #080-001-122 2" x 3mm (.118") Replacement Tip, 8K4C99... 5.99

## BROWNELLS 3/4" PLASTIC/BRASS HAMMER



Dual Faces In Precise, Small Size

For light, precise tapping of punches, the brass end is perfect. When it's possible the head might touch delicate bluing, the soft, amber, plastic head is the right choice. **SPECS:** 3/4" (19mm) diameter faces. 10" (25.4cm) hickory handle. Weighs approximately 4 oz. (113 g). #818-600-343 3/4" Plastic/Brass Hammer, 8A16A02... \$ 17.99



## WHEELER ENGINEERING ROLL PIN PUNCH SETS



Affordable Punches Give You the Tools You Need, Even If You're on a Tight Budget

Wheeler's roll pin punches are machined from steel alloy that's carefully hardened to resist bending, braking, and "peening" of the tips. Hemispherical tips provide proper alignment of the roll pin to prevent damage to the firearm OR the pin. **Standard Set** contains 1/16", 3/32", 1/8", 3/16", 1/4", and 3/8" punches in a neat, roll-up nylon pouch. **Master Set** includes: 1/16", 3/32", 1/8", 3/16", 1/4", and 3/8" standard roll pin punches, as well as starter punches in the same sizes, plus a small hammer with both non-marring nylon AND brass heads, all packed in a hardshell plastic case.

- #100-042-064 Roll Pin Punch Set, 6B34G50... \$ 24.99
- #100-042-063 Master Roll Pin Punch Set, 6B34G50... 45.99

## CROSS PEEN HAMMER



Unique Design Ideal For Reassembly & Bench Work

So-called because of the flat sides of the peening head. Small diameter head tapers slightly. Delivers a "seating blow" to tap a short, small pin held between thumb and forefinger. This is an excellent, moderate-weight hammer with an 8.5 oz. head that's 7/8" in diameter. **SPECS:** Overall length 12" (30.5cm). Head, overall, 4" (10.2cm). Face, 7/8" (22.2mm) dia. 8 1/2 oz. (240g) head. #541-000-014 8 oz. Cross Peen Hammer, 1D31G51... \$ 34.99

## BROWNELLS PREMIUM DELRIN® TIPPED BRASS HAMMERS



Handcrafted brass/polymer hammer lets you disassemble your firearm and tap parts into position without denting or scarring the finish. Brass end firmly drives pins and punches, or flip around to the softer Delrin side that preserves paint, bluing, and other delicate surfaces. Available with three different face diameters - from the precise 3/4" to a larger 1 1/4" - so you can choose the right size and heft for the job. Seasoned and turned hickory handle is securely brass pinned to the head. **SPECS:** Hand-polished CDA 360 brass rod head, hickory wood handle. 10 1/2" (26.7cm) OAL.

- #080-001-218 3/4" Delrin-Tipped 4 oz. Brass Hammer, 4E18B84... \$ 21.99
- #080-001-220 1" Delrin-Tipped 8 oz. Brass Hammer, 4E19G24... 21.99
- #080-001-221 1 1/4" Delrin-Tipped 16 oz. Brass Hammer, 4E26H71... 28.99
- #080-001-219 Replacement Delrin Tip, 3/4", 4E5G48... 5.99
- #354-001-010 Replacement Delrin Tip, 1", 4E5G74... 6.99
- #080-001-222 Replacement Delrin Tip, 1 1/4", 4E5N48... 5.99

## BROWNELLS HAMMER HEADS & HANDLES



Mix & Match Heads Offer Wide Versatility

Custom design your own hammer to precisely suit the job at hand or your preferences. On any given handle size there are as many as four different head materials available. Equip yours with two of the same or with combinations not available in our assembled hammers listed in the column below. **SPECS:** Solid hickory w/pinned and threaded cast head. Diameters and lengths as follows: 3/4" (19.0mm) dia., 10" (25.4cm); 1" (2.5cm) dia., 11 1/2" (29.2cm); 1 1/4" (28.6cm) dia., 11 1/2" (29.2cm).

### HANDLES

- #818-100-034 3/4" Hammer Handle, 8A7C41... \$ 7.99
- #818-100-001 1" Hammer Handle, 8A8G44... 8.99
- #818-100-114 1 1/4" Hammer Handle, 8A9J71... 10.99

### INDIVIDUAL HAMMER HEADS

**SPECS:** Materials as follows: **Orange Plastic** - Extremely tough, harder than Nylon tip for general work. **Nylon** - Tough, softer than plastic tip resistant to cracking, chipping or splitting. **\*Pyralin** - Similar to nylon, used in the 2" diameter only. **Brass** - The gunsmith's favorite for use on punches. **Steel** - Most durable for general use.

STOCK #	SIZE	PRICE
<b>PLASTIC</b>		
#818-300-034	3/4"	8A3L93 \$ 4.99
#818-300-078	7/8"	8A2K72 \$ 2.99
#818-300-100	1"	8A3H33 \$ 3.99
#818-300-114	1 1/4"	8A4F58 \$ 4.99
<b>NYLON</b>		
#818-200-034	3/4"	8A5M72 \$ 6.99
#818-200-078	7/8"	8A4P62 \$ 4.99
#818-200-100	1"	8A5P89 \$ 6.99
#818-200-114	1 1/4"	8A7L45 \$ 7.99
#818-200-112	1 1/2"	8A6I99 \$ 7.99
#818-200-200	2"	8A14M00 \$ 14.99
<b>BRASS</b>		
#818-500-034	3/4"	8A9G21 \$ 9.99
#818-500-100	1"	8A11G01 \$ 12.99

## BROWNELLS 1" NYLON/BRASS HAMMER



Our Most Popular Gunsmith No-Mar Hammer

This combo is so perfect for so many jobs around the gun shop and on the range, it's impossible to list 'em all. Nylon head resists breaking, won't mar metal. Solid brass is the Basic for gunsmith use with punches and more. **SPECS:** 1" (2.5cm) diameter faces. 11 1/2" (29.2cm) hickory handle. Weighs approximately 6 oz. (170 g). #818-600-100 1" Nylon/Brass Hammer Combo, 8A19E49... \$ 21.99

## BROWNELLS 3/4" NYLON/BRASS HAMMER



Tough Nylon & Soft Brass In The Right Size

Smaller diameter heads let you see more of what you're trying to hit, giving you better control. The lighter 4 oz. weight is our favorite for the bulk of most pistolsmithing work. Tough, long-lasting, non-marking extruded nylon and turned brass heads are easily replaced when they wear out or become deformed. **SPECS:** 3/4" (19mm) diameter faces, 10" (25cm) long hickory handle, 4 oz. (113 g) approximate weight. #818-600-075 3/4" Nylon/Brass Hammer, 8A21B11... \$ 22.99

## GRACE BRASS HAMMER



Adds A Durable & Non-Marring Polymer Tip

Using the wrong tool for knocking out pins or alignment work can result in marring, dents, and a pricey repair bill. Whether you're a hobbyist or professional gunsmith, Grace's dual-faced brass hammer should always be within reach for disassembly jobs or tapping delicate finishes. Solid brass 1" diameter head is hand-turned from CDA 360 brass rod, while the Delrin® polymer end offers a high-strength yet softer material to preserve paint and bluing. Replacement Delrin tips available when worn or deformed. Hickory handle is pressed into the brass head and secured with a brass pin. 10 1/2" (26.7cm) OAL. 8 oz. (226.8g) wt. #354-001-009 Delrin-Tipped Brass Hammer, 4E21G86... \$ 22.99 #354-001-010 Replacement Delrin Tip, 1", 4E5G74... 6.99

## BALLPEEN HAMMER



Superb Balance; Fiberglass Handles

Full-sized, cushioned rubber grip for superb control. Handles made from unbreakable, impregnated fiberglass. Nicely shaped half-round "ballpens". **SPECS:** Hardened steel head, fiberglass shank, rubber handle. Approximately 11" (2.7cm) long overall.

STOCK #	WEIGHT	MODEL	PRICE
#956-000-002	4 oz. (113.4g)	HP4	9D26D23 \$ 34.99
#956-100-008	8 oz. (226.8g)	HP8	6E12K19 \$ 13.99
#956-000-001	12 oz. (340.2g)	HP12	6E14M35 \$ 18.99

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## GRACE GUNSMITH'S BRASS HAMMERS



Beautifully Polished & Balanced

Ideal for the gunsmith. Solid brass machined heads pinned securely to tough, white hickory handles. **SPECS:** 9 1/2" (23.5cm) handle. **4 oz.** (113g) **STD Head** - 1/2" (12.5cm) dia. x 2 1/4" (12cm). **8 oz.** (226g) **STD Head** - 1" (2.5cm) dia. x 2" (5.1cm). **8 oz.** (226g) **LONG Head** - 3/4" (19mm) dia. x 4" (10.2cm). **16 oz.** (45kg) **Head** - 1 1/4" (3.2cm) dia. x 2 1/2" (6.7cm).

- #354-001-004** 4 oz. Std Brass Hammer, 4E11M66... \$17.69  
**#354-001-008** 8 oz. Std Brass Hammer, 4E17D84... 22.99  
**#354-001-108** 8 oz. Long Brass Hammer, 4E16D02... 26.99  
**#354-001-016** 16 oz. Brass Hammer, 4E22L20... 27.99

## GRACE GUNSMITH'S BALLPEEN HAMMER

Exceptional Balance & Control For Precision Work



Drop forged, steel heads secured to tough, seasoned hickory handles provide exceptional balance and control for precision gunsmithing work. Half-round, machined "ballpeens" allow maximum striking force to be applied to a very small area. Tapered handle is shaped for comfort and an easy grasp. Available in 4, 8 and 12 oz. weights for a variety of light to heavy jobs. **SPECS:** Steel head, hickory handle. **4 oz.** - 10 1/2" (26.7cm) OAL. **Head** - 2 1/4" (7cm) long x 1/4" (1.9cm) dia. **large face.** 1/2" (1.7cm) dia. **ballpeen.** **8 oz.** - 11 1/2" (30.1cm) OAL. **Head** - 3 1/2" (10.2cm) long x 1/2" (2.2cm) dia. **large face.** 5/8" (2.16cm) dia. **ballpeen.** **12 oz.** - 12 1/2" (32.4cm) OAL. **Head** - 4" (10.2cm) long x 1 1/8" (2.7cm) dia. **large face.** 1" (2.5cm) dia. **ballpeen.**

- #354-000-021** 4 oz. Ballpeen Hammer, 4E14P81... \$17.49  
**#354-000-022** 8 oz. Ballpeen Hammer, 4E15N69... 20.99  
**#354-000-023** 12 oz. Ballpeen Hammer, 4E16K02... 20.99

## CHASERS HAMMER



Designed & Balanced To Give You Day-Long Control Of Each Stroke

The hammer most frequently seen on the benches of engravers, silversmiths and other artisans who use a hammer for light, ultra-precision tapping. The large, flat face enables user to watch his work and still properly strike the tool he is using. Oval shaped handle is slenderly tapered near the head for proper rebounding action. Both flat and round faces of this hammer are highly polished and smooth finished. **SPECS:** Steel head, hardwood handle. **Approx.** 10" (25.4cm) overall length. **Face sizes:** 1 1/2" (23.8mm) and 1 1/8" (2.9cm) dia.

- #249-746-220** 1 1/2" Chasers Hammer, 9D19Q91... \$29.99  
**#249-746-280** 1 1/8" Chasers Hammer, 9D19I99... 26.99

## GARLAND MANUFACTURING RAWHIDE HAMMERS



Durable, Rock-Solid; Non-Marring

Tough, long-wearing, rawhide mallets cushion the blow to prevent marring or denting wood and metal. Tightly wound rawhide is impregnated with resin to provide a high-strength, rock-solid hammer head. Large head size provides increased surface area without adding additional weight. Ideal for use on broad-faced striking surfaces in a large variety of applications. **SPECS:** Head - Rawhide, resin impregnated, contains lead. **Handle** - Hickory. **8 oz.** - 2 1/2" (6.3cm) long, 1 1/4" (3.4cm) dia., 9" (22.9cm) high. **12 oz.** - 3" (7.6cm) long, 1 1/2" (3.8cm) dia., 10" (25.4cm) high.

- #100-003-751** Rawhide Hammer, 8 oz., 4A54D53... \$58.43  
**#100-003-752** Rawhide Hammer, 12 oz., 4A38J56... 45.99

## GUNSMITH'S RAWHIDE Mallet



Perfect "Soft Touch" For Wood & Finished Metal

Great for gently tapping on a barreled action during inletting or driving a 1911 slide back and forth when lapping it to the frame. Won't mar wood or metal. Head is made entirely of rolled rawhide. White hickory handle. **SPECS:** Rawhide Mallet **No. 1.** 4 oz. (113 g) head, 1 1/4" (3.2cm) dia. x 3 1/2" (7.9cm). **No. 3.** 8 oz. (227 g) head, 1 1/2" (4.4cm) dia. x 3 1/2" (8.6cm). **Head lengths and dia. will vary with the density of the hide.**

- #672-196-001** Rawhide Mallet No. 1, 2G25D00... \$29.99  
**#672-196-003** Rawhide Mallet No. 3, 2G33Q24... 38.99

## SMALL, SOLID BRASS HAMMER



Light, No-Mar Tap Won't Disfigure Fine Pins Or Parts

Ideal when you need maximum control and an unrestricted view. Gracefully shaped hardwood handle. **SPECS:** 9 1/2" (23.2cm) long. 2" (5.1cm) high. 2 oz. (57 g) brass head.

- #360-375-821** 2 oz. Brass Hammer, 6C7K54... \$11.99

## EGW CARTRIDGE CHECKER



Helps Prevent Jams By Making Sure Each Round Meets Specs Before Shooting

Make sure all your ammo is in spec before you shoot that critical match. Helps you avoid jams, misfires, feeding problems, and other malfunctions caused by out-of-spec ammo that can cost you precious points—or a whole match. Machined aluminum with check holes precision bored using the same high-quality Clymer reamers EGW chambers its barrels with. **4-Caliber Handgun** model lets you check four popular cartridges commonly used in practical shooting matches: 9mm, .38 Super, 40 S&W, and .45 ACP. **Cowboy** checker helps you check .357 Mag, 44-40, 44 Mag, and .45 Colt for the various cowboy games. **7-Hole Cartridge Checker** lets you simultaneously check seven rounds of rifle or pistol ammo. **SPECS:** 6061 T6 aluminum, anodized, black.

- #296-000-125** 4-Caliber Cartridge Checker, 6B00KPK... \$18.00  
**#296-000-189** Cowboy Cartridge Checker, 6B00MWG... 22.99  
**#296-000-190** .223 Rem Cartridge Checker, 6B00GLR... 27.00  
**#296-000-191** 5.56 Cartridge Checker, 6B00ISL... 27.00  
**#296-000-220** .30-06 7-Hole Cartridge Checker, 6B00ELC... 40.99  
**#296-000-221** .300 Blackout 7-hole Cartridge Checker, 6B00DVD... 36.00  
**#296-000-222** .308 Win 7-Hole Cartridge Checker, 6B00FLD... 36.00  
**#296-000-202** .380 ACP Cartridge Checker, 6B00DIN... 18.00  
**#296-000-252** 9mm Luger 7-Hole Cartridge Checker, 6B00DMF... 18.00  
**#296-000-226** .38 Super 7-Hole Cartridge Checker, 6B00EHC... 18.00  
**#296-000-224** .357 Magnum 7-Hole Cartridge Checker, 6B00ACG... 18.00  
**#296-000-225** 40 S&W 7-Hole Cartridge Checker, 6B00FFJ... 18.00  
**#296-000-223** 10mm Auto 7-Hole Cartridge Checker, 6B00KQK... 18.00  
**#296-000-227** .45 ACP 7-Hole Cartridge Checker, 6B00LMN... 18.00

## BROWNELLS SQUIB ROD



No-Mar Brass Rod Knocks Stuck Bullets Out Of Bores

Don't let a stuck bullet from a "squib" or weak load cut short a shooting session. Far superior to other rods or makeshift punches, this non-marring brass rod fits the bore closely, can't wedge between bullet nose and rifling. Each rod is drilled and tapped to thread onto, or adapt to, a Dewey or other cleaning rod; very handy for knocking stuck bullets out of rifle barrels. **SPECS:** Kit contains one of each size rod and (2) 8-32 to 12-28 adapters. 8" (20.3cm) long. Brass. Pak has 2 rods of size listed and 2 Dewey rod adapters.

STOCK #	FITS	PRICE
<b>#084-175-032</b>	.32 Cal.	8K26E99 \$29.99
<b>#084-175-357</b>	9mm/.38/.357Cal.	8K25J82 \$29.99
<b>#084-175-040</b>	10mm/.40/.41 Cal.	8K29L99 \$32.99
<b>#084-175-044</b>	.44 Cal.	8K29P99 \$32.99
<b>#084-175-045</b>	.45 Cal.	8K28K49 \$31.99
<b>#084-175-000</b>	Squib Rod Kit, 8K72Q43	\$85.99

## BROWNELLS STUCK CASE PULLER



Remove Stuck Cases Without Fear Of Accidental Ignition

Works when other pullers fail, even if the case rim is partially sheared away. Steel collets grip entire circumference of case rim. Slide hammer uses inertia to safely remove stuck cases. **SPECS:** Steel, blued. 24" (60cm) long. 4 lb. (1.8 kg) wt. **Collets:** Available for: .223; .308/.30-06; Magnum (fits Win. and Rem. Mag cases - except new WSM, WSSM, Rem. Ultra Mag). **Complete Tool:** Includes 1 collet, head, slide hammer, shaft and instructions.

STK# COMPLETE TOOL	STK# COLLET ONLY	COLLET SIZE
<b>#080-880-223</b>	<b>#080-881-223</b>	Fits .223, .223, etc.
<b>#080-880-308</b>	<b>#080-881-308</b>	Fits .308, .30-06, etc.
<b>#080-880-338</b>	<b>#080-881-338</b>	Fits .30-.338 Mag., etc.

- Advise # — Complete Stuck Case Puller, 8K11M13... \$125.99  
 — Advise # — Stuck Case Puller Collet, only, 8K22Q87... 25.99

## QUINETICS KINETIC BULLET PULLER

Saves Bullets & Components Features "New-Twist" Chuck



Hammer-style, "Ultimate" model removes bullets quickly without damage to bullet or case. Bullet, powder and case can be removed from puller without taking off the cap. Universal, .22 center fire thru. 45 caliber (except .25 ACP), three-jaw chuck locks and releases case with just a quarter-turn of the cap. Easy to see when bullet has been extracted. Handle is made of alloy with molded grip. Space age plastic body just will not break! Easy and convenient to use whether checking an occasional reload or pulling hundreds of bullets. **SPECS:** Overall length 11 1/2" (29.5cm).

- #734-001-000** Quinetics Bullet Puller, 4C00KNR... \$26.99

## BROWNELLS BROKEN SHELL EXTRACTOR



Easily Removes Broken Cases Without Field Stripping



Case head separation from over-fired or out of spec brass won't ruin your shooting experience if you keep one of these handy tools in your pocket or field kit. Hardened, steel tool reliably and easily removes broken cases from AR-type or any other firearm chambered for the .223/5.56 NATO or .308/7.62 NATO cartridges. Exclusive, threaded, two-piece design is adjustable for overall length, so the tool completely engages the rim of the case mouth; cannot slip through or strip out. Very simple to use, drop the broken shell extractor into the chamber directly inside the broken case. Allow the bolt to close so the extractor engages the rim of the tool and draw back the bolt to open the chamber. The broken case will eject along with the broken shell extractor. **SPECS:** Steel, blue. Models for .223 Remington/5.56 NATO or .308 Winchester/7.62 NATO cartridges.

- #080-000-441** .223 Broken Shell Extractor, 8K17Q98... \$19.99  
**#080-000-530** .308 Broken Shell Extractor, 8K23N49... 25.11

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SINCE 1939

## BROWNELLS MAGNA-TIP® STORAGE BLOCKS

Sturdy, Convenient Holders Store All Your Bits In One Place

### MASTER STORAGE BLOCK

Ultimate Magna-Tip storage system conveniently organizes and stores up to 120 bits and 7 handles. Plenty of space for an entire Master Super Set Plus, a ton of specialty bits, and extra handles, so you always have the right Magna-Tip combo at your fingertips. Machined from a solid block of Delrin® that won't warp, crack, chip, or peel. It's also resistant to oil, grease, and many solvents. For added convenience, the slots for handles—including one for the Magna-Tip Ratchet Handle—are positioned far enough from the edge to allow the block to be placed flush against a wall behind a workbench or shelf. **USA**  
**SPECS:** Machined Delrin®, tan. 12 1/2" (31.8cm), 5 1/8" (13cm) wide, 3/4" (1.9cm) high. Holds 120 Magna-Tip bits and 7 handles.  
**#080-000-514 Master Storage Block, 8K32Q99. . . . . \$ 32.99**



### WOODEN BIT BLOCK

Solid oak block holds up to 75 Magna-Tip bits and drops right into any Magna-Tip Box. Also makes a great bench block! **USA**  
**SPECS:** Oak, natural color, clear sealer. 8 1/4" (21cm) x 3 1/4" (9.5cm) x 1 1/8" (17mm).  
**#080-115-075 Wooden Bit Block, 8K22Q12. . . . . \$ 24.99**  
**#080-113-000 Super Set Box, only, 8K5A99. . . . . 6.99**



## BROWNELLS MAGNA-TIP® RATCHET HANDLE



Contoured For Maximum Comfort & Leverage; Compatible With All Magna-Tip Bits

Ratcheting driver provides extra leverage for maximum torque transfer to quickly tighten or loosen any gun screw that accepts a Magna-Tip bit.

Ergonomically designed T-shaped handgrip of high-impact plastic is contoured to ensure maximum comfort and control. Stainless steel shank keeps bit precisely centered, while a powerful magnet prevents slipping or falling out. Heavy duty ratcheting mechanism provides smooth, dependable three-way operation in Clockwise, Counter-Clockwise, and Locked modes. The large control dial allows fast mode changes, yet is positioned on the underside of handle to prevent accidental change of direction. Fits in the Magna-Tip Master Storage Block, available separately. **USA**

**SPECS:** High-impact plastic handle, stainless steel shank. 5 1/2" (14cm) long overall. 3 1/4" (9.2cm) long shank. Handle is 3" (7.6cm) wide at widest point. Accepts 1/4" hex bits, including all Magna-Tip bits.

**#080-000-513 Magna-Tip Ratchet Handle, 8K35L99. . . . . \$ 37.99**

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 NEW PRODUCTS ADDED DAILY

## BROWNELLS GUN SPECIFIC SCREWDRIVER SETS

Self-Storing, Carry Along For 'Smiths & Shooters

On the bench or in the field, you'll have the right screwdrivers for your gun in one compact, go-anywhere package. We precisely matched each gun's screws to the correct Magna-Tip® bits to give you the best possible, blade-to-slot fit. Except where indicated otherwise, each set comes with a magnetic socket, Hollow Handle for easy, on-board storage of the bits. **USA**



**1911 AUTO** - Six bits for disassembling magazine catch lock and mainspring housing, removal of slotted and Allen grip screws, and adjusting Bomar, Heinie, and Novak sights, plus a .050" Allen wrench for adjusting XS sights.  
**SPECS:** 6 1/8" (15.7cm) long overall. 1 1/4" (3.2cm) diameter grip.  
**#080-000-444 1911 Screwdriver Set, 8K18L95. . . . . \$ 24.99**  
**#080-000-448 1911 Bits, only, 8K8G79. . . . . 13.99**



**GLOCK PISTOL** - Two takedown bits for pistol itself and magazine, plus three bits and a .050" Allen wrench for adjustable aftermarket sights.  
**SPECS:** 6 1/8" (15.7cm) long overall. 1 1/4" (3.2cm) diameter grip.  
**#080-000-408 Glock Screwdriver Set, 8K18L72. . . . . \$ 24.99**  
**#080-000-447 Glock Bits, only, 8K10Q01. . . . . 12.99**

**COLT SINGLE ACTION** - Five bits to fit all the screws on Colt Single Actions and popular clones.  
**SPECS:** 8" (20.3cm) long overall. 1 1/4" (3.2cm) diameter grip.  
**#080-000-021 Colt SAA Set, 8K18P57. . . . . \$ 21.99**  
**#080-000-086 Colt SAA Bits, only, 8K8J31. . . . . 9.99**

**RUGER® SINGLE ACTION** - Four flat blade bits to fit Ruger Single Action screws for base pin latch, grip frame, and ejector housing, plus an extra-long hex bit for Bisley backstrap screws.  
**SPECS:** 8" (20.3cm) long overall. 1 1/4" (3.2cm) diameter grip. Bits fit Ruger Blackhawk®, Vaquero®, Bisley, and 2005 and later New Vaquero®.  
**#080-000-020 Ruger S/A Screwdriver Set, 8K19N97. . . . . \$ 29.99**  
**#080-000-087 Ruger S/A Bits, only, 8K12D88. . . . . 14.99**



**RUGER DOUBLE ACTION** - Heat-treated, ejector retainer bit with Magna-Tip handle helps remove the ejector retainer screw; a "must do" step for complete disassembly of Ruger double action cylinders. Self-aligns perfectly over the center pin rod during removal.  
**SPECS:** Ejector Bit - Steel, 1 1/8" (5cm) long. Magna-Tip handle - 8" (20.3cm) long x 1 1/4" (3.2cm) diameter, solid grip handle. Fits Redhawk®, Super Redhawk®, GP-100®, and SP101® Cylinders.  
**#080-000-362 Ruger D/A Ejector Driver Set, 8K17E69. . . . . \$ 23.99**  
**#080-432-001 Ruger D/A Ejector Bit, only, 8K7H69. . . . . 8.99**



**S&W REVOLVER COMBO** - Four bits to fit side plate, grip, thumb latch, and rear sight elevation and tang screws.  
**SPECS:** 8" (20.3cm) long overall. 1 1/4" (3.2cm) diameter grip.  
**#080-087-004 4-in-1 S&W Combo, 8K15H94. . . . . \$ 17.99**  
**#080-087-002 S&W Combo Bits, only, 8K6I20. . . . . 8.99**

**S&W SCREWDRIVER** - Three custom bits for S&W Strain, Windage, Side Plate and Sight attaching screws. Comes with Clip-Tip Law Enforcement Handle for excellent control. No storage compartment in grip.  
**SPECS:** 5 1/2" (14cm) long overall. 1" (2.5cm) diameter grip.  
**#080-088-003 S&W Screwdriver Set, 8K15K33. . . . . \$ 16.99**  
**#080-088-005 S&W Bits, only, 8K6E44. . . . . 6.99**

## BROWNELLS FIXED-BLADE ALLEN & PHILLIPS DRIVERS

Hardened steel shafts have our exclusive, hex wrench section to deliver more torque on stubborn screws plus, unbreakable, "just right" handles for superb control. **USA**

**ALLEN-HEAD** - One-piece shaft and driver provide increased control for precision, scope mounting applications.  
**SPECS:** 2 1/2" (6.3cm) long shanks, 3/4" (9.5cm) long x 1" diameter handle. Set includes one driver of each size.  

STOCK #	SIZE	STOCK #	SIZE
#080-453-062	1/16"	#080-453-109	7/64"
#080-453-125	1/8"	#080-453-137	3.5mm
#080-453-078	5/64"	#080-453-156	5/32"
#080-453-093	1/32"		



— Advise # — Allen Fixed Blade Set, 8K9E52 . . . . . \$ 10.99  
 #080-453-000 Allen Fixed-Blade Set, 8K51F49. . . . . \$ 55.99

**PHILLIPS "ANTI-CAM"** - The long shank slips through recoil pads for "markless" installation. Unique, anti-cam blade teeth provide extra "bite" on hard-to-remove Phillips screws but will not mark screw heads during installation.  
**SPECS:** Set includes one of each size. Bits for #1, #2, #3 Phillips screws. .240" (6mm) and .210" (5.3mm) shaft diameter.  
**#080-452-001 #1 Fixed-Blade Phillips, 8K9D66. . . . . \$ 10.99**  
**#080-452-002 #2 Fixed-Blade Phillips, 8K9A24. . . . . 9.99**  
**#080-452-003 #3 Fixed-Blade Phillips, 8K9E24. . . . . 9.99**  
**#080-452-000 Fixed-Blade Phillips Set, 8K24N53. . . . . 27.99**



**WINCHESTER/MARLIN SCREWDRIVERS** - Specially-selected bits correctly fit all external screws on these popular lever-action rifles and shotguns.  
**SPECS:** 8" (20.3cm) long overall. 1 1/4" (3.2cm) diameter grip. Win. 97 - (4) bits; Marlin 336 - (6) bits; Win. 92 - (7) bits; Win. 94 Angle Eject - (5) bits; Win. 94 Top Eject - (6) bits.  
**#080-087-005 Win. 97 Set, 8K16N52. . . . . \$ 19.99**  
**#080-087-010 Win. 97 Bits, only, 8K6C81. . . . . 8.99**  
**#080-087-006 Marlin 336 Set, 8K19P66. . . . . 22.99**  
**#080-087-011 Marlin 336 Bits, only, 8K9G47. . . . . 10.99**  
**#080-087-007 Winchester 92/Rossi Set, 8K21G14. . . . . 24.99**  
**#080-087-012 Win. 92/Rossi Bits, only, 8K10A94. . . . . 11.99**  
**#080-087-008 Win. 94 Angle Eject Set, 8K17N34. . . . . 22.99**  
**#080-087-013 Win. 94 Angle Eject Bits, only, 8K7E94. . . . . 10.99**  
**#080-087-009 Win. 94 Top Eject Set, 8K19N03. . . . . 22.99**  
**#080-087-014 Win. 94 Top Eject Bits, only, 8K8G83. . . . . 10.99**

**REMINGTON 870/1100 SHOTGUN** - Clip Tip Law Enforcement Handle with five bits to fit magazine extension bracket, buttplate screws, recoil pads, factory folding stocks, and pistol grips. No storage compartment in handle.  
**SPECS:** 5 1/2" (14cm) long overall. 1" (2.5cm) diameter grip.  
**#080-088-870 870/1100 Screwdriver, 8K15N07. . . . . \$ 19.99**

**BROWNING AUTO-5** - Four, slotted, thin bits precisely matched to fit all the Auto-5's external screws.  
**SPECS:** 8" (20.3cm) long overall. 1 1/4" (3.2cm) diameter grip.  
**#080-000-440 Browning Auto-5 Set, 8K17F50. . . . . \$ 18.99**  
**#080-000-446 Browning Auto-5 Bits, only, 8K10E02. . . . . 10.99**

## BROWNELLS MAGNA-TIP® BIT SHAPING STONE

Forms The Bit To Fit The Slot

Special stones for custom-shaping MAG-NATIP and Brownells Fixed Blade screwdrivers. To shape tips, chuck stone into drill press, lock bit or screwdriver into drill press vice and grind to match screw slot. Large stone fits the radius of the hollow grind on both screwdriver models.  
**SPECS:** 1/4" (6.35mm) shank. 25,000 rpm. Large - 3/8" (3.97cm) dia. x 1/2" (12.4mm) thick. Small - 5/16" (15.0mm) diameter x 1/2" (12.4mm) thick.  
**#091-001-000 Large MAGNA-TIP Stone, 1K6H99. . . . . \$ 6.99**  
**#091-001-625 Small MAGNA-TIP Stone, 1K8P58. . . . . 10.99**



## FORSTER/BONANZA GUNSMITH SCREWDRIVERS



Hardened Steel Screwdrivers For Gun Work

Parallel ground tips to better fit the bottom of the slot, where the screw is strongest, for greater torque transfer. Fit a wide selection of factory screws. #6 X-L has a 12" long shank for buttstock screws/bolts. Because of the end use of this

product, Forster offers a warranty on manufacturing defects but not misuse/abuse. Need only one driver? Or broke one from your set? Individual screwdrivers also sold separately. **USA**  
**SPECS:** Tip sizes from 1/8" (3.1mm) to 1/4" (4.3mm) wide. .023" (.58mm) to .035" (.88mm) thick. Set of 8 in soft plastic case.

- #319-120-000 Screwdriver Set, 9A52Q84. . . . . \$ 63.99**
- #319-000-031 #3 Screwdriver .180" x .035", B&L/Weaver/Buehler Scope Mount, 9A8C79. . . . . 9.29**
- #319-000-032 #4 Screwdriver .248" x .040", Williams 10-32, 9A8K79. . . . . 9.29**
- #319-000-033 #5 Screwdriver .310" x .040", Rem/Win/Savage, 9A8H79. . . . . 9.29**
- #319-120-006 #6 X-L Screwdriver, 9A00EPI. . . . . 29.99**
- #319-000-034 #10 Screwdriver .370" x .020", Win/Browning T'Guard, 9A8M79. . . . . 9.29**
- #319-000-035 #13 Screwdriver .245" x .023", Browning Auto, 9A8B79. . . . . 9.29**
- #319-000-036 #14 Screwdriver .310" x .035", T'guard Screw, 9A8N99. . . . . 8.99**
- #319-000-037 #15 Screwdriver .310" x .037", T'guard Screw, 9A8A79. . . . . 9.29**
- #319-000-038 #16 Screwdriver, Redfield Scope Mounts, 9A8P79. . . . . 9.29**
- #319-000-039 #17 Screwdriver .122" x .035", Gen. Small Screw, 9A8P79. . . . . 9.29**

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# BROWNELLS MAGNA-TIP® SCREWDRIVER SYSTEM



Standard Set No. 1 shown



World's Most Versatile Gunsmithing Screwdriver - Custom Bits To Precisely Fit Any Gun Screw

One sign of truly professional gunsmithing work is a completed job with all the screw slots still in pristine - unmarked - condition. The only way to achieve this is with screwdrivers that fit the slots perfectly. Our shop-proven MAGNA-TIP® screwdriver system makes this possible.

To help you get a screwdriver set suited to your specific needs, we offer the MAGNA-TIP system in two basic configurations. The **Standard Set** contains bits for general gun maintenance and repair - and darn near everything around the house and garage, too. The **Super Set**, with its incredible selection of graduated bits, is the Gold Standard of gunsmith screwdrivers. For added

customization, you get to choose the driver handle you want: the full-size **#81 Handle**, the **#84 Hollow Handle** with a compartment in the grip for storing bits, or if you like your hand close to the work, the **Magnetic Law Enforcement Handle** or **Clip Tip Law Enforcement Handle**. Both Law Enforcement (LE) handles grasp the bits equally well, but the Clip Tip version will not magnetize them. Like everything we sell, all of our MAGNA-TIP components are Guaranteed Forever.

## MAGNA-TIP® STANDARD SETS NO. 1, NO. 2 & NO. 3

With a Standard Set on your bench or in your range bag, you'll be prepared for the majority of standard gun screws you encounter. Standard Set No. 1 contains a complete assortment of 24 bits (one of each number shown in the Standard Set table), including 11 slotted screw bits, 3 Phillips bits (#0, #1 and #2), and 10 hex bits for socket head screws, plus the MAGNA-TIP Handle of your choice, the field case, and bench tray. Standard Set No. 2 contains the bits and driver of Set No. 1, but WITHOUT the field case and bench tray. Standard Set No. 3 has the 11 blade-type bits for slotted screws, highlighted in the table - plus the handle of your choice and the field case and bench tray. DOES NOT include the hex head or Phillips bits.

**SPECS:** Bits - 1" (2.5cm) to 1½" (3.8cm) overall length (see table). #81 & #84 Handles - 8" (20.3cm) long overall, 1¼" (3.2cm) grip diameter. Law Enforcement Handles - 5½" (14cm) long overall, 1" grip diameter.

STOCK #	BIT SET	HANDLE	PRICE
#080-101-081	No. 1	#81	\$ 59.99
#080-102-081	No. 2	#81	\$ 44.99
#080-103-081	No. 3	#81	\$ 33.99
#080-101-084	No. 1	#84	\$ 49.99
#080-102-084	No. 2	#84	\$ 43.99
#080-103-084	No. 3	#84	\$ 33.99

#080-106-000	Standard Set Bench Tray, only, 8K5M99	\$ 5.99
#080-104-000	Standard Set Case-n-Tray Combo, 8K8D03	9.99

STOCK #	BIT SET	HANDLE	PRICE
#080-101-804	No. 1	Magnet LE	\$ 49.99
#080-102-804	No. 2	Magnet LE	\$ 43.99
#080-103-804	No. 3	Magnet LE	\$ 33.99
#080-101-801	No. 1	Clip Tip LE	\$ 49.99
#080-102-801	No. 2	Clip Tip LE	\$ 43.99
#080-103-801	No. 3	Clip Tip LE	\$ 33.99

### STANDARD MAGNA-TIP SET BITS

STOCK #	BIT NUMBER	BLADE DIA.	BLADE THICKNESS	PRICE
#080-445-002	445-00***	.138"	.028	8K3H13 \$ 3.99
#080-445-032	445-0***	.154"	.032"	8K3A13 \$ 3.99
#080-445-103	445-10***	.138"	.034"	8K3A99 \$ 3.99
#080-445-203	445-20***	.216"	.036"	8K3E99 \$ 3.99
#080-445-303	445-30***	.248"	.038"	8K3M99 \$ 3.99
#080-445-135	445-1*	.278"	.035"	8K3H99 \$ 3.99
#080-445-240	445-2*	.278"	.040"	8K3G99 \$ 3.99
#080-445-342	445-3*	.278"	.042"	8K3D99 \$ 3.99
#080-445-446	445-4*	.278"	.046"	8K3F99 \$ 3.99
#080-445-550	445-5***	.312"	.050"	8K3L13 \$ 3.99
#080-445-655	445-6***	.360"	.055"	8K3L13 \$ 3.99
#080-440-001	440-0/1220*	Phillips #0	NA	8K2J99 \$ 2.99
#080-440-100	440-1/1221*	Phillips #1	NA	8K2J99 \$ 2.99
#080-440-200	440-2/1222*	Phillips #2	NA	8K2K99 \$ 2.99
#080-185-002	185-00/5221*	1/16" Hex	NA	8K3E13 \$ 3.99
#080-185-000	185-0/5222*	1/16" Allen	NA	8K3M17 \$ 3.99
#080-185-100	185-1/5223*	1/16" Allen	NA	8K3K99 \$ 3.99
#080-185-900	185-9/5224*	7/16" Allen	NA	8K3N24 \$ 3.99
#080-185-200	185-2/5225*	1/8" Allen	NA	8K3G14 \$ 3.99
#080-185-010	185-10/5226*	3/16" Allen	NA	8K4M99 \$ 4.99
#080-185-300	185-3/5227**	1/32" Allen	NA	8K2H48 \$ 2.99
#080-185-400	185-4/5228**	1/16" Allen	NA	8K3J27 \$ 3.99
#080-185-500	185-5/5229**	7/32" Allen	NA	8K3M99 \$ 3.99
#080-185-600	185-6/5220**	1/4" Allen	NA	8K3A99 \$ 3.99



\* 1" (2.5cm) overall length  
 \*\* 1¼" (3.2cm) overall length  
 \*\*\* 1½" (3.8cm) overall length

### THE HANDLE

Part of the MAGNA-TIP system's tremendous versatility comes from the handle. Bits are held in the shaft chuck by a powerful, built-in magnet or a spring clip for fast changes from one bit size to another. Deep, grooved flutes on the shockproof plastic handle provide a strong, positive gripping surface.

### EXPANDABLE & COMPATIBLE

ALL of our MAGNA-TIP bits will fit your handle. If you lose a bit, or need a special one not in your set, you can purchase that bit separately and be assured it will fit. You can even grind bits for custom screws using the separately available Slipping Stone.

### PERFECT NO-SLIP FIT

MAGNA-TIP bits have true power-flowing, hollow-ground blades, which means they're ground slightly concave on the flats (wide di-

mension) to help the bit fit tightly in the screw slot without play, so it stays seated in the slot as you apply pressure. The bit is much less likely to slip and mar the slot. All the torque is transmitted down the shank of the bit evenly and smoothly, so maximum power is exerted as in a finely tapered gun spring.

MAGNA-TIP bits are manufactured from the same materials as high-speed industrial impact-power drivers used in commercial production applications. They have the right combination of hardness and durability for maximum strength and wear!

### FIELD CASE & BENCH TRAY

Each MAGNA-TIP set comes in an unbreakable polyethylene field case with lift-out tray of indestructible ABS plastic. It has a space for your driver handle and compartments for extra bits, screws, or small parts from the gun you're working on.

## MAGNA-TIP® SUPER SETS™



Every gunsmith knows no two screw slots are ever exactly the same. Because so many factories use outside vendors for screws, slot sizes can vary, even within the same model of gun. If you want to be professional about your work, you custom grind each bit to the correct size, a frustrating and time-consuming task without a Super Set.

The Super Set comes in graduated 22-bit, 44-bit, and 58-bit configurations, so you'll always have a screwdriver blade that precisely fits the size and width of virtually any screw slot. You get flat blades in 9 different widths from .120" to .360", each with four to six blade thicknesses from .030" through .070" in .005" or .010" increments. Each 1½" long bit is marked with its blade width and relative thickness number, 3 for thinnest, 4 for next thicker, etc.

The **22 Bit Starter Super Set** eases you into the powerful Super-Set concept with the 22 straight bits highlighted in the Super Set table, your choice of one handle, and the heavy duty box, and tray. When you're ready to expand your set, the Super Set Add-On Pak lets you upgrade it to the same configuration as the **44-bit Super Set**. The 44 Bit Super Set Plus has all 44 slotted screws in the table, one handle of your choice, a Stubby Handle (just the ticket for working in tight places), and the heavy duty box and tray. The **58 Bit Master Super Set Plus** adds 10 hex-head bits, 3 Phillips-head bits, and a 1/8" square bit for Remington buttplates to the contents of the 44 Bit Super Set Plus. It's the most incredible screwdriver system you will ever use!

#080-108-100	Starter Super Set Add-On Pak, 8K35M74	\$ 46.99
#080-113-000	Super Set Box, only, 8K5A99	6.99
#080-115-000	Super Set Case-n-Tray Combo, 8K9Q02	10.99

**SUPER SET UPDATE KIT** - For those who have an older Super Set produced before the change to thicker bits, this Kit provides all 24 thicker bits we include in the current Super Set, plus a plastic case and oak block.

**SPECS:** Kit: Bits 120-4, 120-5, 120-6, 150-5, 150-6, 180-5, 180-6, 210-5, 210-6, 210-7, 240-5, 240-6, 240-7, 270-5, 270-6, 270-7, 300-6, 300-7, 340-6, 340-7, 340-8, 360-7, 360-8, H8102XX sq. recess bit, bench block, case and new-style Super Set box lid label.

#080-112-024	Update Bits, only, 8K38N51	\$ 41.99
#080-112-000	Update Kit, 8K44K18	50.99



STK# #81 HANDLE	STK# #84 HANDLE	STK# MAGNETIC LE	STK# CLIP TIP LE	BIT SET	PRICE
#080-107-081	#080-107-084	#080-107-804	#080-107-801	22 Bit Starter Super Set	\$ 73.99
#080-110-081	#080-110-084	#080-110-804	#080-110-801	44 Bit Super Set Plus	\$ 119.99
#080-112-081	#080-112-084	#080-112-804	#080-112-801	58 Bit Master Super Set Plus	\$ 129.99

GUARANTEED. FOREVER.®  
 SINCE 1939



## MAGNA-TIP® PROFESSIONAL SUPER SET™

120 Bits Total, Plus Handles For Every Application. The Largest, Most Versatile Magna-Tip Set Available

Brownells is proud to offer the most versatile screwdriver set for the professional gunsmith or serious hobbyist. Our **Professional Super Set** contains 120 Magna-Tip bits—the largest selection we've ever offered in a Magna-Tip set. Custom grinding bits for a proper fit, or having to put a crucial project on hold while you wait for a specialty screwdriver to arrive are worries of the past, because you'll always have at your fingertips the correct bit for any gun screw. Includes 75 straight, 4 Phillips, 17 hex (Allen), 11 Torx®, and 13 specialty bits for sights, scope mounts, grip bushings, Ruger ejectors, and other unique applications, plus the handy Magna-Tip Choke Tube Wrench and a hex-to-square adapter so you can use your hands to drive 1/4" drive sockets. The kit's seven driver handles ensure you have the handle best suited for any job. You get the full-size #81 Handle, #84 Hollow Handle, magnetic Law Enforcement Handle, Law Enforcement Hollow Handle, Compact Law Enforcement Handle, the popular Stubby, and our Magna-Tip Ratchet Handle. The heavy duty, three-way Ratchet Handle provides extra leverage and speeds torque transfer to tighten or loosen fasteners. This set

is also available with all of the above components, plus our Adjustable Torque Handle that provides precise tightening to exact torque specifications in 1 in.-lb. increments from 15 to 70 in.-lb. Already have all the Magna-Tip handles you need? The entire set is available with the bits only, plus the bench block. All three versions of the set come with a sturdy benchtop storage block to store all the bits and handles. The **Professional Super Set** is truly the most versatile screwdriver system you'll ever use—and quite possibly the last one you'll ever have to buy! Adjustable Torque Handle also available separately. **APG SPECIFICATIONS:** Hardened steel bits, high-density plastic handles, Delrin bench block. Ratchet Handle – Stainless steel shank, plastic handle. Torque Handle – Steel, aluminum housing with synthetic rubber cover, and high-impact plastic handle.

- #080-000-532 Professional Super Set, 8K309B45..... \$ 319.99
- #080-000-531 Professional Super Set w/Adjustable Torque Handle, 8K00KTI..... 419.99
- #080-001-217 Professional Super Set, Bits Only, 8K00CCTA ..... 279.99
- #080-001-294 Adj. Torque Handle, only, 6E53G09..... 59.99

### PROFESSIONAL SUPER SET BITS

STOCK #	BIT NO.	BLADE DIA.	THICKNESS	PRICE
#080-120-120	120-1	.120	.020	8K3E99 \$ 3.99
#080-120-225	120-2	.120	.025	8K3K21 \$ 3.99
#080-120-330	120-3	.120	.030	8K3C25 \$ 3.99
#080-120-435	120-4	.120	.035	8K3N99 \$ 3.99
#080-120-540	120-5	.120	.040	8K3B99 \$ 3.99
#080-120-645	120-6	.120	.045	8K3H26 \$ 3.99
#080-445-002	445-00***	.138"	.028	8K3H13 \$ 3.99
#080-150-120	150-1	.150	.020	8K3C99 \$ 3.99
#080-150-225	150-2	.150	.025	8K3N99 \$ 3.99
#080-150-330	150-3	.150	.030	8K3E99 \$ 3.99
#080-150-435	150-4	.150	.035	8K3G24 \$ 3.99
#080-150-540	150-5	.150	.040	8K3H99 \$ 3.99
#080-150-645	150-6	.150	.045	8K3N99 \$ 3.99
#080-445-032	445-0***	.154"	.032"	8K3A13 \$ 3.99
#080-180-120	180-1	.180	.020	8K3D99 \$ 3.99
#080-180-225	180-2	.180	.025	8K3M19 \$ 3.99
#080-180-330	180-3	.180	.030	8K3D99 \$ 3.99
#080-180-435	180-4	.180	.035	8K3K99 \$ 3.99
#080-146-006	#6 slot**	.180	.037	8K4O19 \$ 4.99
#080-180-540	180-5	.180	.040	8K3J23 \$ 3.99
#080-180-645	180-6	.180	.045	8K3C99 \$ 3.99
#080-445-103	445-10***	.138"	.034"	8K3A99 \$ 3.99
#080-210-120	210-1	.210	.020	8K3P99 \$ 3.99
#080-210-225	210-2	.210	.025	8K3D99 \$ 3.99
#080-210-330	210-3	.210	.030	8K3E23 \$ 3.99
#080-210-435	210-4	.210	.035	8K3P23 \$ 3.99
#080-210-540	210-5	.210	.040	8K3D24 \$ 3.99
#080-210-645	210-6	.210	.045	8K3F23 \$ 3.99
#080-210-750	210-7	.210	.050	8K3H99 \$ 3.99
#080-445-203	445-20***	.216"	.036"	8K3E99 \$ 3.99
#080-240-120	240-1	.240	.020	8K3M99 \$ 3.99
#080-240-225	240-2	.240	.025	8K3C99 \$ 3.99
#080-240-330	240-3	.240	.030	8K3G23 \$ 3.99
#080-240-435	240-4	.240	.035	8K3Q99 \$ 3.99
#080-240-540	240-5	.240	.040	8K3G21 \$ 3.99
#080-146-008	#8 slot**	.240	.040	8K4K19 \$ 4.99
#080-240-645	240-6	.240	.045	8K3C99 \$ 3.99
#080-240-750	240-7	.240	.050	8K3L23 \$ 3.99
#080-445-303	445-30***	.248"	.038"	8K3M99 \$ 3.99
#080-270-120	270-1	.270	.020	8K3E99 \$ 3.99
#080-270-225	270-2	.270	.025	8K3Q27 \$ 3.99
#080-270-330	270-3	.270	.030	8K3G33 \$ 3.99

STOCK #	BIT NO.	BLADE DIA.	THICKNESS	PRICE
#080-270-435	270-4	.270	.035	8K3I99 \$ 3.99
#080-270-540	270-5	.270	.040	8K3K33 \$ 3.99
#080-270-650	270-6	.270	.050	8K3J33 \$ 3.99
#080-270-760	270-7	.270	.060	8K3I99 \$ 3.99
#080-445-135	445-1*	.278"	.035"	8K3H99 \$ 3.99
#080-445-240	445-2*	.278"	.040"	8K3G99 \$ 3.99
#080-445-342	445-3*	.278"	.042"	8K3D99 \$ 3.99
#080-445-446	445-4*	.278"	.046"	8K3F99 \$ 3.99
#080-300-120	300-1	.300	.020	8K3N99 \$ 3.99
#080-300-225	300-2	.300	.025	8K3D99 \$ 3.99
#080-300-330	300-3	.300	.030	8K3L99 \$ 3.99
#080-300-435	300-4	.300	.035	8K3C32 \$ 3.99
#080-300-540	300-5	.300	.040	8K3A34 \$ 3.99
#080-300-650	300-6	.300	.050	8K3J38 \$ 3.99
#080-300-760	300-7	.300	.060	8K3B99 \$ 3.99
#080-445-550	445-5***	.312"	.050"	8K3L13 \$ 3.99
#080-340-120	340-1	.340	.020	8K3Q99 \$ 3.99
#080-340-225	340-2	.340	.025	8K3H99 \$ 3.99
#080-340-330	340-3	.340	.030	8K3G32 \$ 3.99
#080-340-435	340-4	.340	.035	8K3F32 \$ 3.99
#080-340-540	340-5	.340	.040	8K3C32 \$ 3.99
#080-340-650	340-6	.340	.050	8K3J34 \$ 3.99
#080-340-760	340-7	.340	.060	8K3E99 \$ 3.99
#080-340-870	340-8	.340	.070	8K3Q35 \$ 3.99
#080-360-120	360-1	.360	.020	8K3J99 \$ 3.99
#080-360-225	360-2	.360	.025	8K3F99 \$ 3.99
#080-360-330	360-3	.360	.030	8K3A35 \$ 3.99
#080-360-435	360-4	.360	.035	8K3C99 \$ 3.99
#080-360-540	360-5	.360	.040	8K3A16 \$ 3.99
#080-360-650	360-6	.360	.050	8K3A39 \$ 3.99
#080-445-655	445-6***	.360"	.055"	8K3L13 \$ 3.99
#080-360-760	360-7	.360	.060	8K3K99 \$ 3.99
#080-360-870	360-8	.360	.070	8K3I38 \$ 3.99
#080-440-001	440-0/1220*	Phillips #0	NA	8K2J99 \$ 2.99
#080-440-100	440-1/1221*	Phillips #1	NA	8K2J99 \$ 2.99
#080-440-200	440-2/1222*	Phillips #2	NA	8K2K99 \$ 2.99
#080-441-002	NA*	Phillips #2 Anti-Cam-Out	8K3D99 \$ 3.99	
#080-185-002	185-00/5221*	1/16" Hex	NA	8K3E13 \$ 3.99
#080-185-000	185-0/5222*	1/16" Allen	NA	8K3M17 \$ 3.99
#080-185-100	185-1/5223*	3/32" Allen	NA	8K3K99 \$ 3.99
#080-146-093	See-Thru**	1/32" Allen	NA	8K5G04 \$ 5.99
#080-185-900	185-9/5224*	1/16" Allen	NA	8K3N24 \$ 3.99



## MAGNA-TIP® SCREWDRIVER HANDLES

#81 - Rugged and hand filling, with a powerful magnet for fast bit changes. Plus, the magnetism transfers through the bit, to hold the screw against the bit. The grip is made from a tough, nearly unbreakable plastic, while the steel, hex shank accepts a small wrench for added leverage. **SPECS:** 8" (20.3cm) long overall, 1 1/4" (3.2cm) diameter grip, 3/4" (8.3cm) long shank.



- #080-086-181 #81 Solid Handle, 8K10G88..... \$ 13.99
- #84 HOLLOW - Same size as #81 handle but with a hollow grip that holds four bits; screw-on cap keeps them in place. Make a custom screwdriver kit to fit each gun. **SPECS:** 8" (20.3cm) long overall, 1 1/4" (3.2cm) diameter grip, 3/4" (8.3cm) long shank. Handle With Bits includes #445-1, #445-2, #445-3 and #445-4.
- #080-087-084 #84 Handle, w/4 bits, 8K19A35..... \$ 20.99
- #080-087-000 #84 Handle, no bits, 8K15E99..... 17.99
- #080-087-001 Replacement Cap, White, 1K2H37..... 2.99

**STUBBY HANDLE** - Just the ticket for tight places. Super-strong, magnetic grip of the full size **MAGNA-TIP**. **SPECS:** 2 1/2" (6.3cm) long overall, 1 1/4" (3.2cm) diameter grip, 3/8" (15.9mm) long shank.

#080-090-000 Stubby Handle, 8K9D13..... \$ 12.99

**LAW ENFORCEMENT HANDLE** - Originally requested by police armors who wanted their hands close to the work but with a longer handle than our Stubby. About 25% shorter and smaller diameter than our #81 Handle. Magnetic bit socket for fast bit changes. **SPECS:** 5 1/2" (14cm) long overall, 1" (2.5cm) diameter grip, 1 1/4" (4.5cm) long shank.

#080-088-004 Magnetic LE Handle, 8K12H38..... \$ 14.99

**COMPACT LAW ENFORCEMENT HANDLE** - Similar proportions to our Standard Law Enforcement Handle in an even more compact package. Comfortable, small-diameter grip is longer and slimmer than our Stubby Handle to give you the extra grasping area you need to loosen stubborn screws. **SPECS:** 3 1/4" (9.5cm) long overall, 7/8" (2.2cm) dia. grip, 1" (2.5cm) long shank.

#080-089-006 Compact Magnetic LE Handle, 8K11B37..... \$ 14.99

**LAW ENFORCEMENT HOLLOW HANDLE** - Combines the Law Enforcement Handle's short shank with the convenient storage compartment and full-size grip of our #84 Hollow Handle. Assemble your own gun-specific, go-anywhere pocket screwdriver kit for shop or field use. Magnetic socket for fast bit changes. **SPECS:** 6 1/2" (15.7cm) long overall, 1 1/4" (3.2cm) diameter grip, 1 1/4" (4.5cm) long shank.

#080-088-006 LE Hollow Handle, 8K17P90..... \$ 21.99

1 1/2" (3.8cm) shaft length, unless otherwise noted.  
\* = 1" (2.5cm) shaft. \*\* = 1 1/4" (3.2cm) shaft. \*\*\* = 2" (5.1cm) shaft.

Orders: 800-741-0015

order on the web  
**brownells.com**

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**Instructional Video Available Online**

## CHAPMAN DELUXE GUN SCREWDRIVER SET



### Expanded, Take-Along Kit

Snap-lock, hard shell case holds a gun-oriented selection of standard slotted and Phillips head bits. Plus, the most used Allen head bits to fit many new style scope and sight mounts. Hinge-top lid and easy-to-reach tray puts driver, ratchet and bits right at your fingertips. Slip inside your coat pocket or backpack for quick repairs while hunting or fishing. **NOT** guaranteed against breakage.

**SPECS:** Kit contains handle, extension, ratchet, 12 slotted head bits, 2 Phillips head bits, 10 Allen head bits. Packaged in a 6 1/2" (16.5cm) X 4 1/2" (11.4cm) polyethylene case.

**#172-890-000** Chapman Deluxe Screwdriver Set, 2G35Q27 ..... \$ 44.99

## CHAPMAN TORX & ALLEN SCREWDRIVER SETS

### Non-Magnetic Assortment With Handle - Ratchet - Bits - Case

Small, compact kit for field maintenance/repair on guns. Snap-lock, unbreakable, polyethylene case. Each alloy steel bit is held in the handle by ball detents and stop. Extension is equipped with set screw for permanent setup. Midget ratchet fits all bits, has 200 lb. working torque strength. Bits **NOT** guaranteed against breakage.

**CHAPMAN TORX/ALLEN SET - 7** Torx bits, 11 Allen bits, 3 slotted bits, 2 Phillips bits and a 1/4" square drive adapter; twenty four bits in all; packed in a handy oil- and crush-resistant polyethylene case. Ratchet extension, midget ratchet and driver handle are also included.



**SPECS:** Set contains T-6 to T-30 Torx bits, 1/16" to 1/4" Allen bits, 2 Phillips and 3, slotted bits. 1/4" square drive adapter, ratchet, ratchet extension and driver handle. 4 1/2" (11.4cm) x 6" (15.2cm) case.

**#172-681-000** Torx/Allen Set, 2G42F01 ..... \$ 52.99

**CHAPMAN TORX SET - Eight** piece set. 7 Torx bits plus midget ratchet stored in soft vinyl pouch.



**SPECS:** Set contains T-6 to T-30 Torx bits, ratchet, vinyl pouch.

**#172-106-800** Torx Set, 2G17N01 ..... \$ 21.99



# BROWNELLS FIXED-BLADE GUNSMITH'S SCREWDRIVER™



Super Master Set



Super Master Set w/Oak Bench Block

### - THE PERFECT TIP & BLADE -

We started with the tip of the blade, the part that has to fit the gun screw properly, and the most important part of a gunsmith's screwdriver. The blade tips are then custom, precision-ground in a crisply radiused, hollow-ground shape to give maximum strength. And, the ideal parallel section is ground at the tip to fit the screw slot properly through the full width and depth of the slot. (This is what keeps you from bugging screws - a blade tip that evenly distributes the turning torque applied at the handle to the full width and depth of the screw slot.) We made the blades short (you're only 2 1/2" from the workpiece) to give you maximum control, eliminate wobble and tilt. Yet, they are long enough to give you a good view of the work you are doing.

Tolerances are kept extremely tight for the entire blade, and the entire blade/shank is hardened to Rc 58-60 for proper, maximum strength and toughness in a screwdriver.

### - THE SHANK DESIGN -

The long parallel shank maintains the same diameter as the width of the blade. This allows repeated regrindings and reshaping while still maintaining the original blade width. In addition, it allows the screwdriver to go into holes or recesses that are only screw-slot wide. The hex section allows you to use either an open-end wrench or one of the Midget Ratchets for more turning power on the heavier blades.

Finally, we put a size-sequence number - from 1 (smallest) to 20 (largest) on the hex section of each individual screwdriver so you can pick the size you want quickly.

### - HANDLE CUSTOM-DESIGNED FOR YOU -

The handles are custom-made to our specifications to fit your hand well. They aren't too bulky, yet give a mighty good grip when large, tight screws have to be broken loose, and "fingertip" control when dealing with tiny, delicate screws. We use the same handle on all 20 screwdrivers to keep the same hand-fit and feel throughout the set.

### - DISTINCTIVE PRESENTATION BENCH BLOCKS -

In keeping with the superb quality of the screwdrivers, we designed two magnificent Solid Oak Bench Blocks to hold your Fixed-Blade Gunsmith's Screwdrivers. They are real beauties. Each one has 3 tiers to make them compact, you can see both the width/thickness of the blade, the identifying number stamped on one flat of the exposed hex section and, the 20 holes (Master block) or 10 holes (Add-On block) are far enough apart for good finger room.

Every Bench Block is finished in a tough, non-gloss lacquer, and has anti-skid feet to keep it in place on your bench.

Finally, the Master Set Block includes a Personalized Name Plate for you to mount on your Bench Block, we have included the order form with each Block for you to choose which style of plate you want and the wording you would like. It's all paid for - and makes the Block perfect for awards or gifts, and just telling the world the Screwdrivers belong to you. The Add-On Block for the Super Master Set does not include the name plate.

### - SETS AVAILABLE -

We've packaged the Screwdrivers four ways: the **Starter Set™** has the 10 Screwdrivers highlighted in gray in the chart. The **Completer Set™** adds the remaining 10 and turns a Starter Set™ into the Master Set™. The **Master Set™** has all 20 Screwdrivers, plus the properly radiused Bit Shaping Stone, and a bottle of Brownells Best Penetrating Oil™. The Master Set is available on its own or with the Master Set Oak Bench Block included. To create the **The Super Master Set™** we took the Master Set and added 6 Allen head fixed blade screwdrivers and 3 Phillips "Anti-Cam" screwdrivers. This set

- Crisp, Hollow-Ground Radius Gives Much More Strength
- True, Precision-Ground, Hollow-Ground Blades
- The Standard By Which To Judge All Other Screwdrivers
- Sizes To Fit Nearly Every Gunscrew
- Excellent Fit - Superb Control

We're tickled as all get out to offer our **Fixed-Blade, Gunsmith's Screwdriver Set** designed and developed by gunsmiths for those gunsmiths who love solid, fixed-blade screwdrivers that fit their gun screws right - and simply won't have it any other way!

is also available on its own or with the Master Set and Add-On Oak Bench Blocks included.

As with all our tools and supplies, they are guaranteed to please you, the most demanding craftsman in the world - the working gunsmith.

**SPECS:** 2 1/2" (6.3cm) long shanks. 3 1/4" (9.5cm) long x 1" (2.5cm) dia. handle. Each screwdriver packed in individual plastic tube.

STOCK #	SCREW-DRIVER #	SHANK DIA.	BLADE THICK	PRICE
#080-451-001	1	.120	.030	8K10G24 \$ 11.99
#080-451-002	2	.120	.040	8K10F56 \$ 11.99
#080-451-003	3	.150	.030	8K11G12 \$ 11.99
#080-451-004	4	.150	.040	8K10B93 \$ 11.99
#080-451-005	5	.180	.030	8K10P93 \$ 11.99
#080-451-006	6	.180	.040	8K11G99 \$ 12.99
#080-451-007	7	.210	.030	8K10J91 \$ 11.99
#080-451-008	8	.210	.040	8K10G89 \$ 11.99
#080-451-009	9	.240	.030	8K10A94 \$ 12.99
#080-451-010	10	.240	.040	8K10Q99 \$ 11.99
#080-451-011	11	.270	.035	8K10D99 \$ 11.99
#080-451-012	12	.270	.045	8K10K89 \$ 11.99
#080-451-013	13	.300	.035	8K10A94 \$ 11.99
#080-451-014	14	.300	.045	8K10L95 \$ 12.99
#080-451-015	15	.300	.055	8K10P93 \$ 11.99
#080-451-016	16	.340	.040	8K7D58 \$ 11.99
#080-451-017	17	.340	.050	8K11I03 \$ 11.99
#080-451-018	18	.360	.040	8K7J81 \$ 11.99
#080-451-019	19	.360	.050	8K10I32 \$ 11.99
#080-451-020	20	.360	.060	8K13Q99 \$ 13.99

#080-451-002	#2 Screwdriver, 8K10F56	\$ 11.99
#080-451-017	#17 Screwdriver, 8K11I03	11.99
#080-451-110	Fixed-Blade Starter Set, 8K86M71	94.99
#080-451-210	Fixed-Blade Completer Set, 8K76M64	89.99
#080-451-000	Fixed-Blade Gunsmith's Master Set, 8K147E42	163.99
#080-001-214	Gunsmith's Master Set w/Oak Bench Block, 8K200H42	240.99
#080-454-000	Fixed-Blade Gunsmith's Super Master Set, 8K215H48	247.99
#080-001-215	Gunsmith's Super Master Set w/Oak Bench Blocks, 8K305Q49	394.99
#084-305-100	Master Set Oak Bench Block, Only, 8K67N03	76.99
#084-305-110	Add-On Oak Bench Block, Only, 8K59E99	69.99

## BROWNELLS MAGNA-TIP® TACTICAL/LE FIELD TORX® KIT



Fits Popular Scope Ring & Base Screws; Built-In Bit Storage

We answered the call from law enforcement armors for a compact, versatile Torx driver set for popular scope ring and base screws. Features five Magna-Tip Torx bits and our full-size Law Enforcement Hollow Handle driver with an internal bit storage compartment. Steel bits are heat treated then machined to precise tolerances to help ensure torque is transmitted smoothly and evenly to the screw head. Magnetic socket in the shank holds the bit securely at any angle.

**SPECS:** Driver - Plastic handle, steel shank. 6 1/16" (15.7cm) overall, 1 1/4" (4.5cm) long shank, 1 1/4" (3.2cm) diameter grip. Bits - Steel, heat treated. 1" (2.5cm) long, 1/8" (6.3mm) Allen hex. Kit contains one of each bit size: T-10, T-15, T-20, T-25, and T-30.

**#080-000-757** Tactical/LE Field Torx Kit, 8K17K99 ..... \$ 19.99

## GRACE MICRO SCREWDRIVER SET

### Extra Small Tips For Tiny Screws



Fixed-blade screwdrivers with steel shanks come in a set of three slotted and three Phillips tips for jobs involving tiny screws, like those on adjustable triggers, sights or scopes. Precise, snug fit between the driver and fastener minimizes potential for marring the head. Each is hand-assembled to a square, hardwood handle that is etched with the size for fast identification.

**SPECS:** Blades - Chromium-vanadium 8650 alloy steel, black oxide finish. Ferrule - Steel, nickel-plated. Handle - Hardwood, smooth finish. Approx. 5.1" (12.95cm) OAL. Includes Phillips tips 0000, 000, 00 and slotted tips (blade width x approx. blade thickness) 1/16" x .014", 3/64" x .018", and 1/32" x .022".

**#354-000-036** Grace Micro Screwdriver Set, 4E25D93 .. \$ 33.99

## GRACE SCREWDRIVER SET

### Wooden Handles, Heavy Square Shanks



Made from standard keystone bit screwdrivers with tip of bit ground parallel for short distance back to give better fit. Features square shank; hardened tips; square, hardwood handle and nickel-plated ferrule. Made in the USA, guaranteed not to break or chip.

**SPECS:** Set of 8 or individuals available. Wooden handles.

STOCK #	SCREWDRIVER #	APPROX. BLADE WIDTH	APPROX. BLADE THICKNESS	OVERALL LENGTH
#354-008-001	N3	.315"	.041"	9.25"
#354-008-002	N2	.300"	.037"	4"
#354-008-003	H3	.190"	.038"	7.5"
#354-008-004	N4	.375"	.049"	9.50"
#354-008-005	H2	.195"	.032"	6.25"
#354-008-006	G2	.125"	.025"	4.5"
#354-008-007	H4	.235"	.044"	8.5"
#354-008-008	G3	.160"	.031"	5.5"

— Advise # — Individual Grace Screwdriver, 4E9I25. \$ 10.99  
**#354-008-000** Grace 8-Screwdriver Set, 4E37N65 ..... \$ 42.99

GUARANTEED. FOREVER.®  
 SINCE 1939



## BROWNELLS 12-IN-1 PRECISION MINIATURE SCREWDRIVER SET



Most Popular Phillips, Slotted & TORX® Sizes To Fit A Wide Variety Of Miniature Screws

Precision made, hardened steel bits give you the right selection for repairing guns, cameras, computers, watches, and many other small items. Kit features six double-ended, quick change bits to fit most small screws found in the shop or home. Bits snap into large, deep knurled, swivel top handle that provides easy one-hand use. Gives finger-tip control with tiny, easy-to-lose screws. Handle and bits are packed in a convenient plastic storage holder marked with the size of each bit.


**SPECS:** Four Phillips (000, 00, 0, 1) bits. Four slotted (1.5, 2.0, 2.5 and 3.2mm) bits. Four TORX (T-7, T-8, T-9 and T-10) bits.

**#079-000-001 Miniature Screwdriver Kit, 8K14N25 . . . . \$ 17.99**

## GRACE

### WOODWORKING SCREWDRIVER SETS

High-Quality Drivers For Standard Wood Screws

Fitted to standard wood screws, these hand-assembled screwdriver sets feature nickel-plated steel ferrules and chromium-vanadium 8650 alloy steel tips with black oxide finish. Square handles are turned from quality hardwood and stamped with the size for quick recognition. 

**SLOTTED SET** - Custom hollow-ground blades offer a precision fit and help prevent slipping under torque and damage to the screw heads or surrounding surfaces. Set includes seven drivers with heavy square shanks in the following dimensions (approx. blade width x approx. blade thickness): **#2** - .145" x .020" (.368 x .051cm); **#4** - .206" x .033" (.523 x .084cm); **#6** - .235" x .040" (.597 x .102cm); **#8** - .286" x .043" (.726 x .109cm); **#10** - .305" x .049" (.775 x .124cm); **#12** - .357" x .052" (.907 x .132cm); and **#14** - .374" x .062" (.950 x .157cm). 5 <sup>16</sup>/<sub>16</sub>" (15.08cm) to 12 <sup>7</sup>/<sub>16</sub>" (32.7cm) OAL.

**#354-000-035 Slotted Screwdriver Set, 4E58C53 . . . . \$ 69.99**

**PHILLIPS SET** - Five-screwdriver set includes 0, 1, 2, 3, and 4 tips with round shanks. 5 <sup>1</sup>/<sub>2</sub>" (13.97cm) to 13 <sup>3</sup>/<sub>4</sub>" (34.9cm) OAL.

**#354-000-033 Phillips Screwdriver Set, 4E44P09 . . . . \$ 48.99**



## BONDHUS PRECISION SCREWDRIVER KIT



Adjustable Shafts With Interchangeable Bits To Fit & Reach Small Screws

Driver system has six, interchangeable steel shafts with 12 precision-ground bits for fast change from standard slot blade to Phillips or Torx® tip. Great for working on the many small parts and accessories found in most gun shops and hobbyist work benches. Collet lets you adjust the shaft length approximately 3" to get to those hard-to-reach places. Rotating cap minimizes friction to ease screw removal or installation, while the hanging hole in the handle can be used with a second shaft as a T-handle for extra leverage to remove stubborn screws. Handle has a soft, ergonomic, rubber outer-grip for comfort and excellent grip.

**SPECS:** Handle - Steel, polypropylene, and neoprene, gray and black. Shaft/Bits - Chrome-moly-vanadium steel, 4 <sup>1</sup>/<sub>4</sub>" (12cm) long. Bits: Standard - <sup>3</sup>/<sub>16</sub>" x .016" (2.0 x 0.4mm), <sup>1</sup>/<sub>8</sub>" x .141" (3.5 x 0.6mm); Phillips - 000, 00, 0, and 1; Torx® - T6, T7, T8, T9, T10, T15.

**#123-000-018 Precision Screwdriver Kit, 3B37D57 . . . . \$ 57.99**

## WHEELER ENGINEERING GUNSMITH SCREWDRIVER SET

An Economical Set That Equips the Amateur Gun Mechanic To Handle Almost Any Type of Gun Screw

This 89-piece driver set includes a very large array of bits to fit almost any-size screw you're likely to encounter in working on standard production firearms. Wheeler's engineers actually went out and measured the screws on more than 100 modern and still-popular out-of-production guns to make sure they included bits for almost every situation. Having the right driver bit puts an end to burred, bugged, and busted up screw slots on your valuable firearms. Whether you're working on a Browning Superposed, Remington 700, Smith & Wesson revolver, or a Colt Single Action Army, you'll have a bit on hand to fit every screw on your gun. Here's what you'll find inside the durable, molded, hard-shell case... **A Plethora of Bits** - 54 hollow-ground flat (slot) bits, 15 specialty bits, 8 hex (Allen), 4 Phillips, and 3 Torx bits, plus a 2 <sup>1</sup>/<sub>4</sub>" shaft extension and a hex-to-square drive adapter. The <sup>1</sup>/<sub>4</sub>" drive bits are made of S2 tool steel hardened to 56-58 on the Rockwell "C" scale. The hollow-ground bits have a concave contour that allows for insertion all the way into the screw slot for maximum contact. **Specialty bits** include bits for Weaver/Ruger scope ring clamps, Redfield windage screws, Leupold windage screws, Mauser stock crossbolt, Millett rear sight adjustment bit, Ruger/Colt single action base pin latch nut, M1 Garand/M14/M1A rear sight, 1911 grip screw bushing, Glock front sight screw, Smith & Wesson rebound spring compressor tool, .062" pin punch, .093" pin punch, .118" pin punch, Remington 870/1100/11-87 trigger plate pin punch, and an extra-length 2" #2 Phillips. **Driver Handles** - There are TWO drivers with different-length shanks and comfortable, non-slip, over-molded, soft-polymer handles. Magnetic <sup>1</sup>/<sub>4</sub>" drive sockets help you avoid searching for a dropped bit on the floor.

**#100-042-057 Gunsmith Screwdriver Set, 6B34G50 . . . \$ 83.99**



## FIX-IT STICKS ALL-IN-ONE TORQUE DRIVER

Kit includes Driver, T-handle & a selection of bits



Just Because You're in the Field Doesn't Mean You Can't Quickly Tighten Screws To Pre-Set Torque Settings

This compact, go-anywhere torque driver comes with pre-set torque settings at 15, 25, 35, 45, 55 and 65 inch-lbs., giving you plenty of flexibility for field repairs, installing optics, tightening action screws - or whatever gun work you need to do that requires a specific range of torque. All you have to do is turn the driver handle until the hash mark on the unit matches the amount of torque you need to apply, and the tool provides that torque spec within 10% of the specified number. The All-in-One FITS any standard <sup>1</sup>/<sub>4</sub>" driver handle and ACCEPTS any standard <sup>1</sup>/<sub>4</sub>" bit. Or if you prefer, you can get it in a handy **Kit** that includes Fix-It's T-Way T-Handle Wrench, <sup>1</sup>/<sub>2</sub>" socket and <sup>1</sup>/<sub>4</sub>" bit adapter set, and 15 different bits: T10, T15, T20 and T25 Torx bits; <sup>3</sup>/<sub>16</sub>", <sup>1</sup>/<sub>8</sub>", <sup>1</sup>/<sub>4</sub>", <sup>3</sup>/<sub>32</sub>", <sup>1</sup>/<sub>16</sub>", 2.5mm, 3mm, 4mm and 5mm hex bits; plus P1 and slotted #5 bits. These bits fit the most common action screws and optic mounts on the market. It's all packed in a zippered case complete with molded-in holders to secure every component of the kit. You'll never be in a position where a single loose bolt ruins your hunt or shoot again, thanks to this kit. **Note:** Torque driver does not include T-handle.

**#100-041-434 All-in-One Torque Driver KIT, 6B34G50 . . . . . \$ 100.00**

**#100-041-438 All-in-One Torque Driver ONLY, 6B34G50 . . . . . \$ 54.00**

## FIX-IT STICKS COMPACT T-HANDLE DRIVER + BITS

Fear No Loose Screws in the Field - This Pocket Driver Kit Has You Covered

Here's a simple, easy-to-use tool that takes up minimal space in your range bag, back pack, or pocket - AND sets you up with drivers to handle most screws found on modern guns. Great for field repairs, adjustments to optics or laser sights, or just about any other small job that pops up unexpectedly when you're far from your workbench. Comes with two Fix It Sticks drivers that slot together to form a T-handle. Each driver has a <sup>1</sup>/<sub>4</sub>" drive socket on one end to accept the included bits - and YES, it will also work with Brownells Magna-Tip® bits. Bit included in the kit: #5 slotted; Phillips #1; <sup>1</sup>/<sub>8</sub>", <sup>3</sup>/<sub>16</sub>", <sup>1</sup>/<sub>4</sub>", <sup>3</sup>/<sub>32</sub>", <sup>1</sup>/<sub>16</sub>", 2.5mm, 3mm, 4mm & 5mm hex; Torx® T-10, T-15, T-20, T-25 & T-30. Comes in a rubberized holder that keeps drivers and bits all together.

**#100-034-935 Fix-It Sticks T-Driver + 16 Bits, 2F35I70 . . . . . \$ 40.00**

**#100-034-940 Shooting Bit Add-On Pack, 2F32P64 . . . . . \$ 36.00**



## FIX-IT STICKS "THE WORKS" TORQUE DRIVER KIT



A Huge Set of Drivers & Tools for a Vast Array of Gun Repair/Build/Optic Installation Chores

This kit helps eliminate that problem we all hate: you're working on a project, only to encounter a screw... that you don't have a driver for. There's another trip to the hardware store! "The Works" contains numerous bits and accessories designed to help maintain a variety of firearms, including a full suite of bits for the AR-15, and to install rifle optics. You get the Fix-It Sticks T-handle wrench plus four pre-set torque limiters, set to 15, 25, 45 and 65 inch-lbs. There are 24 chrome-plated <sup>1</sup>/<sub>4</sub>" bits, including 2.5mm, 3mm, 4mm and 5mm .050", <sup>3</sup>/<sub>16</sub>", <sup>1</sup>/<sub>8</sub>", <sup>1</sup>/<sub>4</sub>", <sup>3</sup>/<sub>32</sub>", <sup>1</sup>/<sub>16</sub>", 2.5mm, 3mm, 4mm and 5mm hex bits; plus P1 and slotted #5 bits. You also get slotted P1, P2, <sup>3</sup>/<sub>16</sub>" and <sup>3</sup>/<sub>32</sub>" slot-tip bits. There's also a choke-tube wrench, a 1911 bushing tool, a Glock® front-sight tool, a <sup>1</sup>/<sub>2</sub>" socket and bit adapter, and a pry bar. For the AR-15 there's a bolt-carrier group scraper, A2 front-sight adjustment tool, and castle-nut wrench. For the cleaning side of things, there's a collection of handy punches and scrapers, plus a set of brass cleaning rods that accept 8-32 threaded accessories, as well as two bit adapters for 8-32 threaded components. It's all packed inside a soft-sided carrying case complete with a molded holder for many of the small components.

**#100-041-435 "The Works" Driver Kit, 6B34G50 . . . . . \$ 250.00**

## BONDHUS FIXED BLADE TORX DRIVERS



Improves Control, Gives Positive Grip To Seat Rings & Bases "Just Right"

T-10 and T-15 fit Brownells, Burris and Leupold scope ring and base screws. Ball-head driver can be held as much as 25° off angle and still grip the screw socket tightly. Hardened, steel shaft gives excellent reach; fluted handle provides a solid grip. **SPECS:** T-10 - 5" (12.7cm) long. 2 <sup>1</sup>/<sub>4</sub>" (7cm) long shank. T-15 - 5 <sup>1</sup>/<sub>2</sub>" (14cm) long. 2 <sup>1</sup>/<sub>8</sub>" (7.3cm) long shank.

**#123-127-100 T-10 TORX Driver, 3B6K63 . . . . . \$ 9.19**

**#123-127-150 T-15 TORX Driver, 3B6N64 . . . . . \$ 9.19**



WANT MORE NEW PRODUCTS?  
SHOP ON LINE!  
PRODUCTS ADDED DAILY

GUARANTEED. FOREVER.®  
SINCE 1939



**BONDHUS**  
**PROHOLD® STAR PLUS TORX® DRIVERS**

Sizes To Fit Torx/Star Screws Commonly Found On Firearm Accessories



These drivers fit all Torx® brand, Star, and Star Plus screws. The classic T-handle design transfers plenty of torque to the screw with superb comfort and maximum gripping leverage. Like all Bondhus Torx drivers, all of these have a cleanly chamfered driver tip that seats securely in the screw head and helps prevent slippage that can cause damage to the screw or the work piece. Driver tips are non-magnetic. **USA**  
**SPECS:** Heat-treated, high-grade, industrial tool steel, matte chrome finish, synthetic rubber handles. **T-Handle Set** contains T9, T10, T15, T20, T25, T27, T30 and T40 drivers. T10 and T15 drivers also sold individually.  
**#123-000-024 ProHold® T-Handle Torx® Driver Set, 3B54G34 . . . . . \$ 82.99**  
**#123-000-025 T-Handle Torx® Driver, T-10, 3B8G52 . . . . . 9.99**  
**#123-000-026 T-Handle Torx® Driver, T-15, 3B6H40 . . . . . 9.99**

**BROWNELLS**  
**TORX® DRIVER SET**



Popular Sizes For Gun Work; Comfortable Grip For Excellent Control

Professional-grade Torx driver set with eight of the most popular sizes equips you to work on almost any Torx® screw found on guns and firearm accessories. Precision-machined steel shaft is heat-treated for superb strength, so when you're wrestling to loosen stubborn screws, these drivers won't give out and break like cheap hardware store drivers. Shaft lengths are carefully selected to provide the best balance of reach and rigidity. The comfortable, ergonomically shaped, synthetic rubber handle gives you a secure, non-slip grip and great control. T-10 and T-15 drivers fit Brownells, Burris, and Leupold scope ring and base screws. Comes in a reusable, heavy duty clear plastic pouch.  
**SPECS:** Heat-hardened steel. *Set includes T-6, T-7, T-8, T-9, T-10, T-15, T-20, and T-25 sizes. Shaft lengths from 4 1/2" (T-6) to 5 1/4" (T-25).*  
**#080-000-724 Torx Driver Set, 8A26E99 . . . . . \$ 29.99**

**BEST WAY TOOLS**  
**SOFT JAW PLIERS**

Helps Prevent Marring

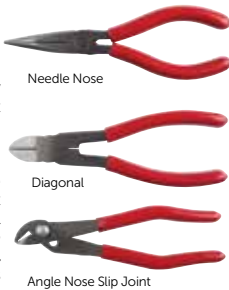
Pliers feature nylon jaw inserts that protect fine finishes from damage. Inserts are held in place by small Philips screws for easy replacement should they get damaged. Rubber coated handles provide a soft, secure grip. Additional inserts are available.  
**SPECS:** Steel pliers. Nylon inserts.  
**#100-015-336 Soft Jaw Pliers, 7B27119 . . . . . \$ 33.99**  
**#100-015-335 Soft Jaw Needle Nose Pliers, 7B34E39 . . . . . 42.99**



**GRACE**  
**3-PIECE SET OF PLIERS**

Quality, Precision Tools For Long-Lasting Performance

High-quality pliers are precisely handcrafted for years of reliability at your workbench or home. Rubber-covered handles ensure a comfortable and firm hold. Set contents: **Needle Nose** offers a built-in wire cutter and finely serrated jaws that tightly grab springs and other small parts. *Most popular style, so these are also sold separately.* **Diagonal** features exceptionally sharp edges and flush snipping action. **Angle Nose Slip Joint** has three adjustable pivot points to increase grip size range, with a flat mouth and milled teeth that curve at the back for rounded objects, like hot metal rods. **USA**  
**SPECS:** Steel. **Needle Nose** - 6 1/2" (16.5cm) OAL. 1 1/2 1/8" (4.9cm) long jaw, including cutter. **Diagonal** - 6 1/4" (15.9cm) OAL. 1 3/8" (2.1cm) long jaw. **Angle Nose Slip Joint** - 5 1/2" (13.7cm) OAL.  
**#354-000-051 3-Pc Pliers Set, 4E74J69 . . . . . \$ 82.99**  
**#354-000-048 Needle Nose Pliers, ONLY, 4E28M21 . . . . . 32.99**



**GERMAN MADE**  
**SPECIAL GUNSMITHING PLIERS**

Super Strength Box Joints For Maximum Precision  
"BUCHSENMACHER" (GUNSMITH) PLIERS



Perhaps no other tool on the bench is required to do more jobs than the Gunsmith's pliers - everything from getting up inside a small action and inserting a spring the size of a small hair, to holding red-hot rods while being formed. Because of the extremely rough, to extremely delicate, work done with pliers, just being tools isn't enough; they must be instruments. These pliers are manufactured by a company that has long specialized in QUALITY - respected for generations. They are of strong box construction. This gives the pliers greater strength and prevents loosening of the joints when doing twisting and turning operations. Finish: Polished steel jaws and joints. Each tool is guaranteed for quality and service. The manufacturer's slogan since 1824 has always been, "First Quality and Then Price". This manufacturing policy is of greater importance to the craftsman today than ever before.  
**SPECS:** 145mm long. (Approximately 5 1/4")

- #249-130-134 134 Flat Nose Pliers, 9D27A68 . . . . . \$ 32.99**  
**#249-130-137 137 Round Nose Pliers, 9D23N07 . . . . . 27.99**  
**#249-150-153 153 Straight Needle Pliers, 9D25Q63 . . . . . 30.99**  
**#249-150-154 154 Curved Needle Pliers, 9D26E51 . . . . . 31.99**

- #100-015-337 Soft Jaw Tongue & Groove Pliers, 7B45C59 . . . . . 56.99**  
**#100-015-338 Replacement Insert, Needle Nose, 7B6A74 . . . . . 7.99**  
**#100-015-339 Replacement Insert, Pliers, 7B5D80 . . . . . 6.99**

**HIGH GRADE PARALLEL JAW PLIERS**

Most "Parallel" We've Found



English-made with heat-treated, flat-nosed jaws. Smooth-jawed model gives a tight, non-marking grip. Serrated model holds tightly and includes a lengthwise groove to hold wire or drill rod.  
**SPECS:** Both: 5" (12.7cm) long, 1 1/8" (2.9cm) deep throat, open to 7/16" (11.1mm) wide. Nickel plated handles, blued jaws.  
**#348-181-105 Smooth Parallel Pliers, 6C35B95 . . . . . \$ 43.99**  
**#348-181-103 Serrated Parallel Pliers, 8D36B82 . . . . . 43.99**



**BONDHUS**  
**BALL-HEX "L" WRENCHES**

Work At Angles Up To 25°

Because they can be "off" as much as 25°, ball-end, hex wrenches will work in places conventional ones won't. Use "square" end when more leverage is needed. Supplied in deluxe case with a locking slot for each wrench. **USA**  
**SPECS:** 2 1/8" (7.3cm) - 6 1/2" (16.5cm) long. **Inch Set** - 12 sizes: .050", 3/16", 1/8", 5/16", 3/8", 7/16", 1/2", 5/8", 3/4", 7/8", 1", 1 1/8". **Metric Set** - 9 sizes: 1.5, 2, 2.5, 3, 4, 5, 6, 8 and 10mm.

STOCK #	SIZE	PRICE
<b>#123-109-050</b>	.050"	3B2Q97 \$ 3.99
<b>#123-109-062</b>	3/16"	3B2L97 \$ 3.99
<b>#123-109-078</b>	1/8"	3B2P97 \$ 3.99
<b>#123-109-093</b>	5/16"	3B3M09 \$ 3.99
<b>#123-109-109</b>	3/8"	3B3P20 \$ 3.99
<b>#123-109-187</b>	7/16"	3B3I07 \$ 3.99

- #123-109-000 Inch Ball-Hex Wrench Set, 3B10P47 . . . . . \$ 14.99**  
**#123-110-000 Metric Ball-Hex Wrench Set, 3B11M26 . . . . . 14.99**

**BONDHUS®**  
**PROHOLD® "L" WRENCHES**

Holds Screw Snug To Wrench, Works At Angles Up To 25°



A nylon button in the long end holds screw snugly on the wrench, helping to prevent dropped and lost screws. Because they can be "off" as much as 25°, wrenches will work in places conventional ones won't. Use "square" end when more leverage is needed. Supplied in deluxe case with a locking slot for each wrench. **USA**  
**SPECS:** High-torque steel. 2 1/8" (7.3cm) - 6 1/2" (16.5cm) long. **13-Pc Inch Ball-Hex Set** - .050", 3/16", 1/8", 5/16", 3/8", 7/16", 1/2", 5/8", 3/4", 7/8", 1", 1 1/8". **9-Pc Metric Ball-Hex Set** - 1.5, 2, 2.5, 3, 4, 5, 6, 8 and 10mm. **8-Pc Star Tip Set** - T9, T10, T15, T20, T25, T27, T30, T40. Star tips also fit Torx® brand screws.

- #123-000-019 13-Piece Inch Ball-Hex Wrench Set, .050" to 3/8", 3B21G62 . . . . . \$ 29.99**  
**#123-000-020 9-Piece Metric Ball-Hex Wrench Set, 1.5mm to 10mm, 3B17N67 . . . . . 23.99**  
**#123-000-021 8-Piece Star Tip Wrench Set, T9 to T40, 3B16A76 . . . . . 25.99**

**BONDHUS**  
**SHORT-ARM HEX "L" WRENCHES**

For Micro-Sized Hex Head Screws; Inch & Metric Sets Available



Micro-sized, short-arm hex wrenches get in the tight areas to adjust triggers, reflex sights, iron sights, or anywhere else small Allen head screws are used. Machined from proprietary, high-strength, Protanium® steel alloy with precision chamfered ends for easy insertion. Separate Inch and Metric sets available. **USA**  
**SPECS:** Protanium® steel. 1 1/4" (3.2cm) 2 1/8" (6.3cm) long. **Inch Set** includes .028", .035", .050", 3/16", 1/8", and 1/16" sizes. **Metric Set** includes 7mm, .89mm, 1.27mm, 1.5mm, 2mm, 2.5mm, 3mm.  
**#123-000-016 Inch Short-Arm Hex "L" Wrench Set, 3B7P57 . . . . . \$ 9.99**  
**#123-000-017 Metric Short-Arm Hex "L" Wrench Set, 3B7N19 . . . . . 8.99**

**BONDHUS**  
**FOLD-UP WRENCH SETS**

Compact Units Fit Range Bag Or Tool Box



Compact, easy-to-grip sets feature chamfered tips for easier insertion into screw heads. **#12591** - Hex. Nine sizes from .050" to 3/16". **#12589** - Hex. Nine sizes from 3/16" to 1/4". **#12592** - Metric. Seven sizes from 1.5mm to 6mm. **#12632** - Torx®. Eight sizes from T6 to T25. **USA**  
**SPECS:** Hardened steel wrenches 1.5" to 2.5" (3.8cm to 6.35cm) long. High impact synthetic case, approx. 4" long.  
**#123-125-910 #12591 Fold-Up Hex Wrench Set, 3B00ML1 . . . . . \$ 4.99**  
**#123-125-890 #12589 Fold-Up Hex Wrench Set, 3B5K62 . . . . . 7.89**  
**#123-125-920 #12592 Fold-Up Hex Wrench Set, 3B4G83 . . . . . 6.99**  
**#123-126-320 #12632 Fold-Up Torx Wrench Set, 3B10P82 . . . . . 14.49**

**BONDHUS**  
**T-HANDLE HEX TOOL SET**

Gives Plenty Of Leverage To Securely Torque Down Hex Screws



Bondhus's T-Handle hex driver sets are excellent choices for frequent use in the gun room and reloading bench. Handles are cushioned with synthetic rubber to make them extremely comfortable to use while they provide positive control. Like all Bondhus drivers, these have a cleanly machined driver tip that seats securely in the screw head and helps prevent slippage that can cause damage to the screw or the work piece. Heat-treated, high-grade, industrial tool steel, matte chrome finish, synthetic rubber handles. 10-piece fractional **Inch** set contains 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16 and 3/8" drivers. **8-piece Metric** set contains 2, 2.5, 3, 4, 5, 6, 8 and 10mm drivers. **USA**  
**#749-005-413 10-Piece T-Handle Hex Tool Set, 3/32" to 3/8", 3B49P98 . . . . . \$ 57.99**  
**#123-000-027 8-Piece T-Handle Hex Tool Set, 2mm to 10mm, 3B32C45 . . . . . 50.99**

**MAYHEW**  
**HEAVY DUTY TWISTED HEX KEY SET**



Twisted For More Torque

Made from high quality S2 tool steel, these hex wrenches are twisted before being heat treated to increase their torque capacity. Manganese-phosphate on the contact points help resist wear and each wrench has been color coated to resist corrosion. Longer shafts provide additional leverage. Wrenches exceed ANSI

standards. Available in inch or metric sizes.

**SPECS:** S2 tool steel, manganese-phosphate contact points. **Inch Set** - 1/16", 1/8", 3/16", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1 1/8", 1 1/4", 1 1/2", 1 3/4", 2", 2 1/4", 2 1/2", 3", 3 1/2", 4", 4 1/2", 5", 5 1/2", 6", 6 1/2", 7", 7 1/2", 8", 9", 10". **Metric Set** - 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm. Red coated.

- #587-000-001 **Inch Twisted Hex Wrench Set, 7H31P39** ..... \$36.99
- #587-000-002 **Metric Twisted Hex Wrench Set, 7H31P39** ..... 36.99

**FIX-IT STICKS**  
**TORQUE LIMITERS/BITS/WRENCH SET**

Compact, Portable Kit Enables You To Apply Precise Amounts of Torque To Optic Mounts & Other Screws in the Field, On the Range OR Anywhere



These torque limiters are designed to "spin" when pre-set level of torque is reached. This "spin" prevents any additional torque from being applied, insuring that your fastener is torqued to the correct specification. Designed to be small, lightweight, and portable, the Fix It Sticks miniature torque limiter is an excellent go-anywhere torque accessory for your range/field kit. It fits into standard 1/4" bit driver and accepts any standard 1/4" bits for the utmost in flexibility. Paired with the included T-Handle driver, it gives you the ultimate field torque wrench for tightening scope mounts and rings WITHOUT over-tightening and risking damage to scope and/or rings, mount, or even the receiver of the rifle. Due to their ease of use and simplicity, they're also great for other jobs around the home and shop. Kit includes 15-, 25-, 45- and 65-in/lb. torque limiters, T-Way T-handle wrench, 16 different screwdriver bits, 1/2" socket and 1/4" bit adapter set. Replacement limiters - and others with different torque settings - available below.

- #100-034-936 **Torque Driver Kit w/4 Limiters, 2F163B20** ..... \$180.00
- #100-018-237 **15 in-lb. Miniature Torque Limiter, 2F34L98** ..... 39.99
- #100-034-937 **20 in-lb. Miniature Torque Limiter, 2F35H70** ..... 40.00
- #100-018-236 **25 in-lb. Miniature Torque Limiter, 2F34G98** ..... 39.99
- #100-034-938 **30 in-lb. Miniature Torque Limiter, 2F35E70** ..... 40.00
- #100-018-235 **65 in-lb. Miniature Torque Limiter, 2F34E98** ..... 39.99



**BROWNELLS**  
**MAGNA-TIP® ADJUSTABLE TORQUE HANDLE**



Apply An Exact Amount Of Pre-Set Tightening Force; Accepts ALL Brownells Magna-Tip Bits

Precision-adjustable torque driver ensures that you apply the exact amount of leverage needed to accurately tighten any gun screw, including action screws and scope ring/mount screws. Adjustable from 15 to 70 in-lb. in 1 in-lb. increments to eliminate guesswork and prevent under- or over-tightening screws - no more stripped threads or broken-off screw heads. The 1/4" magnetic hex drive socket accepts ANY Brownells Magna-Tip bit - plus, 6 bits commonly needed for gun work are included! Ergonomic, rubber-coated handle gives you a secure grip for maximum leverage and even transfer of tightening force. To change torque setting, simply turn the orange collar to the desired setting indicated through the easy-to-read window scale. A self-limiting cam-over clutch "clicks" free when the specified amount of torque is reached, making over-tightening impossible. Each driver is hand calibrated and inspected, and comes with a handwritten certification card.

**SPECS:** Stainless steel shank & internal mechanism. High-impact, molded, hard-polymer housing, rubber-overmolded handle. Includes these 1/4" bits: Torx® T-10 & T-15, plus 1/16" & 3/16" hex with 1" long shanks; T-25 and 3/16" hex with 4" long shanks.

- #080-001-294 **Adj. Torque Handle, only, 6E53G09** . . . \$59.99

**LYMAN**  
**PRO DRIVE TORQUE WRENCH**

Easy To Use With Precise 70 in-lb. Torque Adjustment Range



Lyman's torque wrench is adjustable to apply from 10 to 80 in-lbs. in increments of 10 in-lbs. It's calibrated to ASME standards to ensure accurate, reliable torque output. So you're set up to easily and safely tighten the screws on scope bases, scope rings, action screws, and other firearm screws to manufacturer-recommended specs. Correct screw torque, of course, prevents damage to screw threads, screw heads, threaded surfaces, and optics, while helping to deliver the best accuracy from your firearm. This wrench has sturdy, all-steel construction, with a chrome-plated shank and ergonomically enhanced synthetic rubber handle to give you a secure grip. Kit includes the wrench itself, 3 hollow-ground slot tip bits, 4 hex bits, 3 Torx® bits, and on 1/2" socket.

- #539-000-206 **Pro Drive Torque Wrench, 5K76E69** . . . \$84.99

**WHEELER ENGINEERING**  
**FAT WRENCH**



Set Proper Torque On Screws To Help Maximize Accuracy

Hand-driven, clutch-style FAT (Firearm Accuracy Torque) Wrench helps achieve



**REALAVID SMART TORQ™**  
**PRECISION DRIVER**



Designed for Gun Work - A Huge Help for Correctly Torquing Scope Rings & Bases

An ultra-precise torque driver for guns, specifically developed for optics mounting and complete gun builds. Accepts standard 1/4" bits. Precision clutch mechanism and calibrated

force spring deliver 10 to 70 inch-lb. of torque in 1 inch-lb. increments. The unidirectional clutch allows full-power reversal of screws without torque slippage. Comfortable, ergonomic, rubberized grip gives you an excellent hold, while the Force-Assist Driver makes applying torque at the upper end of the tool's range easy and precise. The functionally intuitive torque setting provides visual, tactile, and audible feedback so you're confident you've applied the correct amount of torque. Never over-torque a scope ring again! Comes with 12 interchangeable bits for screws commonly found on guns. Slot-head (flat) bits: 90-6, 38-4 and 60-5. Hex bits: 3mm, 1/16", 1/8" and 1/4". Torx bits: T10, T15, T20 and T25. Plus a square-drive bit AND a handy padded, compartmented, zippered carrying case.

- #100-041-456 **Smart Torq Driver, 6B34G50** ..... \$79.99



**FIX-IT STICKS**  
**RATCHETING T-WAY WRENCH**

Unique Three-Way Wrench Is Just the Tool for Hard-To-Reach Spots With Limited Clearance



We all heard our dads say (yell, shout) it, and now we find ourselves doing the same: "There's NO clearance! I just can't get a wrench in there! If only I had a.... #\$\$^&\*#!" Fix-It's unique, reversible, T-shaped tool has magnetic 1/4" bit holders on each of its three ends, so you're set up to get it into spots that ordinary drivers just won't reach. The different orientations of the T-handle enable you to fit this tool into tight spaces. And you won't accidentally subject your kids words they're not supposed to know (yet). The reversible ratchet mechanism on the T-Way means you can easily reverse course to tighten or loosen. Might as well buy two or three! You're gonna need one when working on the car, assembling that "easy to assemble" kit furniture, and dozens of other chores around the house, shop, gun bench, and garage.

- #100-041-437 **Ratcheting T-Way Wrench, 6B34G50** . . . \$36.00

**SEEKONK 1 TO 75 INCH POUND**  
**VARIABLE TORQUE WRENCH**



Lets You Achieve Exact, Mil-Spec Tightness; Expert Engineering & Swiss Dials Guarantee Accuracy

Chrome-plated, high-alloy steel, variable-dial torque wrench lets you see the exact amount of inch pounds you're applying. Large dial, with contrasting, black numerals on a white background, is easy to read; includes one-inch-pound graduations from 1 to 75. Heat-treated, molybdenum, fish-scaled handle lets you get a good grip so you can control the amount of torque you're applying. Encased in an impact-resistant polycarbonate box. Requires 1/4" socket-drive conversion for use on screws (listed with Torque Handles). **SPECS:** Chrome-plated, high-alloy steel and plastic body; molybdenum handle. 1/4" (6.35mm) drive. 2 1/4" (5.5cm) O.D. dial. 1/4" (20mm) O.D. handle. 10 1/4" (26cm) OAL. +/- 3% accuracy.

- #792-000-001 **1-75 in. Lb. Variable Torque Wrench, 2G234K99** ..... \$252.99

**SEEKONK**  
**1/4" DRIVE TORQUE HANDLE**

Takes The Guesswork Out Of Tightening Triggerguard, Ring & Base Screws



Improve accuracy and shot-to-shot consistency by torquing rifle triggerguard, plus any ring and base screws to the same reading every time. Convenient "T" handles break away at pre-set, inch/pound torque values and the back-off feature allows the screw to be removed again. Accepts all 1/4" drive attachments.

- SPECS:** Steel, chrome plated. 3 1/2" (8.8cm) high, 4 1/2" (10cm) wide.
- #792-212-045 **45in/lb Torque Handle, 2G149D99** . . . \$169.99
- #792-212-065 **65in/lb Torque Handle, 2G111E01** . . . 123.34

**SQUARE-TO-HEX 1/4" DRIVE CONVERTER**

- Use Magna-Bit® Allen head bits with the Seekonk 1/4" Drive Torque handles or Variable Torque Wrench for torquing rifle triggerguard screws. Converter has magnetic insert and locking snap ring to securely hold all 1/4", hex drive bits.

**SPECS:** Forged steel, heat treated, 2" (5cm) long. One end has a 1/4" square socket, the other has a 1/4" hex socket.

- #084-095-230 **1/4" Square to 1/4" Hex Converter, 8K17J99** ..... \$21.99

**1/2" TORQUE WRENCH**



For Barrel Nuts & Any Bolts You Want Precisely Tight

Set the dial handle to desired torque; wrench "clicks" when the number is reached. The right tool for AR-15/M16 barrel nuts, bolt carrier key, or action screws on any rifle.

**SPECS:** Chrome-plated steel. 1/2" (12.7mm) drive. 17 1/8" (43.5cm) long. 1" (2.5cm) diameter handle. 30 - 150 foot pound range.

- #018-150-050 **1/2" Torque Wrench, 4B71Q27** ..... \$80.17

**GUARANTEED. FOREVER.®**  
**SINCE 1939**

## BROWNELLS FILE CHALK

Extends File Life, Makes Using/Cleaning File Easier

Filling file teeth with this chalk is an age old "Gunsmith Kink"® to prevent "pinning", the buildup of metal chips in the teeth of the file. It increases the effectiveness of the file, extends file life, and produces a smoother, more professional finish. Metal removal is faster and easier, too. An inexpensive time and money saver. For superior results, use file chalk along with a good file card, listed elsewhere. **FILE CHALK** SPECS: 4" (10.2cm) long, 1" (2.5cm) diameter 2 pieces per tube.

**#080-705-006** File Chalk, 6 pieces, 8K6P11 . . . . . \$ 6.99  
**#080-705-012** File Chalk, 12 pieces, 8K12K22 . . . . . 13.99



## BROWNELLS FILE STARTER SET



The Basic Files That Belong On Every Gunsmith's Bench

From sight installation to action refinishing, these are the files, cleaning and storage accessories you need. Money saving kit has: 19 files, 5 handles, file chalk, and a cleaning brush. **FILE STARTER SET** SPECS: Kit includes: 1 fine needle file set; 60° sight base, fine cut; 4" barrette, #1 cut; 8" 1/2 rd., smooth cut; 8" mill file, smooth cut; 8" hand, smooth cut; 6" pillar, #2 cut; 8" ex. narrow pillar, #2 cut; 6 pk. file chalk, Double-face file cleaner, 3 needle file handles, 2 adj. file handles.

**#080-803-000** File Starter Set, 8K346M95 . . . . . \$ 399.99

## BROWNELLS GUNSMITH'S PUNCH & NEEDLE FILE BLOCK

Ends Bench Clutter, Keeps 'Em Where You Can Find 'Em

Compact, tough, solid oak block has 40 holes drilled along the top to hold punches, small screwdrivers, palm chisels, needle files, gravers, pencils, scribes right where they're always handy. Frees up tool box space. Designed by a gunsmith for use on his own bench, and shared with us because it's such a great tool holder. **PUNCH & NEEDLE FILE BLOCK** SPECS: 15" (38.1cm) long, 3" (7.6cm) wide, 2 1/2" (5.7cm) high, 12 holes 7/16" (11.1mm) diameter; 16 holes 9/16" (7.1mm) diameter; 12 holes 3/16" (4.8mm) diameter. All holes 1 1/4" (3.2cm) deep.

**#084-305-101** Punch & Needle File Block, 8K42H48 . . . \$ 47.99



## FILE ACCESSORIES

### DOUBLE-FACE FILE CLEANER

- Stiff, 2 1/8" long, angle bent, steel wire bristles, plus 3/4" long, stiff synthetic bristles. **FILE CLEANER** SPECS: 9" (22.9cm) overall length. Hardwood body.

**#537-020-002** File Cleaner, 8K16C60 . . . . . \$ 17.99



### ADJUSTABLE FILE/TOOL HANDLE

- Grips the entire length of file, and other tangs. **FILE/TWO HANDLE** SPECS: Molded handle, steel parts. 4-1/8" (10.5cm) lg, 1" (2.5cm) dia.

**#345-890-000** File/Tool Handle, each, 5D7H79 . . . . . \$ 8.99



## BROWNELLS MOLDED PLASTIC TOOL HANDLES



Ready To Mount On Tools

Pre-shaped and drilled for screwdrivers, chisels, etc. **MOLDED PLASTIC TOOL HANDLES** SPECS: L1 - 2 3/4" (7cm) long, 3/8" (15.9mm) dia. Hole is 1/8" (3.2mm) dia. L2 - 3" (7.6cm) long, 3/16" (20.6mm) dia. Hole is 1/8" (3.2mm) dia. L3 - 3 1/8" (8.6cm) long, 15/16" (24mm) dia. Hole is 7/16" (4.8mm) dia. L4 - 3 1/4" (9.5cm) long, 1 1/16" (2.7cm) dia. Hole is 1/4" (6.3mm) dia. L5 - 4 1/8" (11.4cm) long, 1 1/16" (3cm) dia. Hole is 3/16" (7.9mm) diameter. Try-Pak contains one each in yellow and black, 10 in all.

STK# YELLOW	STK# BLACK	COUNT	MODEL	PRICE
<b>#016-106-001</b>	<b>#016-106-002</b>	6	L1	\$ 9.99
<b>#016-206-001</b>	NA	6	L2	\$ 12.99
<b>#016-306-001</b>	NA	6	L3	\$ 15.99
<b>#016-406-001</b>	<b>#016-406-002</b>	6	L4	\$ 12.99
<b>#016-506-001</b>	NA	6	L5	\$ 14.99
NA	<b>#016-206-002</b>	6	L2	\$ 9.99
NA	<b>#016-306-002</b>	6	L3	\$ 9.99
NA	<b>#016-506-002</b>	6	L5	\$ 12.99

**#016-100-000** Plastic Handle Try-Pak, 1K18E49 . . . . . \$ 19.99

## RUBBER FILE HANDLE

Contoured, Non-Slip Handle For Comfort & Control

Comfortable, hand filling file handle is formed from molded rubber to absorb vibration and provide a non-slip hold when shaping metal or wood. Improves file control and helps reduce hand fatigue. Flared neck with ribs keeps your hand from sliding forward when you need to really "bear down" on the material. Four removable inserts accept most popular file sizes. **RUBBER FILE HANDLE** SPECS: Molded rubber, black. 4 1/2" (11.4 cm) long.

**#191-000-001** File Handle, 1A5I90 . . . . . \$ 6.99



## NEEDLE FILE HANDLES

The ONLY Way To Properly Hold & Control Needle Files



Helps the needle file become a part of your hand to control cut direction and eliminate canting. Seat file into hollow handle to any length desired and lock in place with positive-grip collet. **NEEDLE FILE HANDLE** SPECS: 3 1/16" (8cm) long, 15/16" (20.6mm) diameter Black plastic.

**#249-210-300** Needle File Handle, 9D7B75 . . . . . \$ 9.99  
 - 3 or More - Needle File Handles, per each, 9D5Q99 . . \$ 5.99



## EZE-LAP DIAMOND NEEDLE FILES

Diamond Impregnated, Needle Files

Incredibly hard, industrial diamond, powder impregnated surface requires very little travel to quickly cut even the hardest materials - carbide, steel, glass or ceramics. **EZE-LAP** SPECS: Sets available in either Coarse or Fine grit. Files are 5.5" (14cm) long. Carbon steel shanks are .118" (3mm) dia. Set includes 6 files: Round, square, three square, half round, flat warding, and knife.

**#290-600-100** Eze-Lap 600 Set, Fine, 9B29P65 . . . . . \$ 41.99  
**#290-600-200** Eze-Lap 600 Set, Coarse, 9B32B64 . . . . 44.99

## BROWNELLS THREE SQUARE 60° BENT NEEDLE FILE



Finishes New Checkering; Cleans Up Old - A Classic Tool

For pointing up new checkering and cleaning out old. The only thing to use for getting true, sharp diamonds. Available in three cuts: Coarse - for cleaning out old, dirty checkering; Medium - for pointing up new diamonds; and Fine - also for pointing up new diamonds. Advise cut desired when ordering. **BENT NEEDLE FILE** SPECS: 6 1/2" (15.9cm) overall length.

**#080-648-600** Coarse 60° Bent Ndl File, 8K24C92 . . . \$ 27.99  
**#080-648-602** Med. 60° Bent Ndl File, 8K22N69 . . . . . 24.99  
**#080-648-604** Fine 60° Bent Ndl File, 8K23Q96 . . . . . 25.99

## BROWNELLS "V" SHAPED 90° BENT NEEDLE FILES



Made Especially To Custom Specs For Checkering

Made for us on special order for gun checkering. Cutting edge of the "V" is 90°, thus eliminating tipping the tool from one side to the other to point-up 90° diamonds. Assures good, positive work. Uniform contact and shape. Back of file is "Safe". **V SHAPED 90° BENT NEEDLE FILES** SPECS: 6 1/2" (15.9cm) overall length. Medium or Fine cut.

**#080-648-901** Med. 90° Bent File, 8K24M99 . . . . . \$ 25.99  
**#080-648-903** Fine 90° Bent File, 8K25A55 . . . . . 29.22

## PROFESSIONAL GUNSMITH NEEDLE FILE SET



Finest Professional Gunsmith Quality

Finest professional-quality gunsmith needle files in set of 12 assorted shapes. Made of best materials to rigid quality standards. Cuts are deep and durable. Knurled handles for no-slip use or convenient lock-up in Needle File Handles shown below. Comes in heavy-duty, see-through, pocketed roll with snap closure. Protects files, yet gives immediate access to shape wanted. Available in #1 Cut (Medium) and #3 Cut (Fine). Some files also sold as singles. **NEEDLE FILE SET** SPECS: Set contains 1 each of the following shapes: Barrette, Hand, Hand with round edges, Warding, Crochet, Three Square, Square, Half Round, Round, Knife, Slitting and Crossing. Approx. 5 1/2" (14cm) overall length. Shank 2 5/8" (6cm) x 1/8" (3.2mm) dia.

**#249-210-010** Medium Needle File Set, 9D126D20 . . . \$ 146.99  
**#249-210-030** Fine Needle File Set, 9D99B91 . . . . . 129.99

STOCK #	"CUT"	TYPE	PRICE
<b>#249-211-212</b>	#1 - Med.	Hand	9D6D86 \$ 7.99
<b>#249-213-212</b>	#1 - Med.	Three Square	9D11J57 \$ 13.99
<b>#249-214-212</b>	#1 - Med.	Square	9D9L38 \$ 10.95
<b>#249-215-231</b>	#3 - Fine	Half Round	9D8A00 \$ 11.99
<b>#249-211-231</b>	#3 - Fine	Hand	9D9Q91 \$ 11.99
<b>#249-213-231</b>	#3 - Fine	Three Square	9D8B18 \$ 9.54
<b>#249-214-231</b>	#3 - Fine	Square	9D11A86 \$ 13.99

## RAMRODZ DIAMOND MICRO FILE SET



12-Piece Set Perfect For Many Specialty Applications

Versatile, diamond-coated, round micro files feature abrasive diamond coating for durability and precision filing. The 12 piece set contains files ranging from .030" to .120" with duplicates of the .030" and .040" files. Ideal for general parts fitting, deburring drilled holes, cleaning barrel porting, plus much more. Each file is conveniently marked or color coded with the

size. Files come in a premium-quality carrying case. **DIAMOND MICRO FILE SET** SPECS: Sizes - .030" (2), .040" (2), .050", .060", .070", .080", .090", .100", .120", .130".

**#100-015-132** 12-Piece Diamond Micro Files, 7C34Q12 . . \$ 39.99

### ECONOMY NEEDLE FILE SET



Excellent Choice For Occasional Use

Good quality needle files in assortment of 12 different shapes. Recommended for occasional use, or where Professional Gunsmith Files are not needed or justified. Handy, plastic, roll case. Knurled handles fit Needle File Handle. Sold in set only.

**SPECS:** Set of 1 each: Barrette, Hand, Hand w/round edges, Warding, Crochet, Three Square, Square, Half Round, Round, Knife, Slitting and Crossing. Approx. 5 1/2" long. Shank 2 1/2" x 1/8" dia. Fine Cut.

#345-475-000 Economy Needle File Set, 5D26F26... \$ 29.99

### RAMRODZ 3-PIECE FLAT FILE SET

Ideal For Metal, Wood, & Polymer

Ultra-thin, flexible flat files feature super hard, 400 grit diamond abrasive. Perfect for getting into tight areas, these files are more than 2 1/2 times thinner than others on the market. Each file comes with a high-vis, ergonomic, non-slip handle for a comfortable grip. Set includes a small (6 mm), medium (9mm), and large (15mm) file point.

**SPECS:** 400 grit diamond abrasive. 6 1/2" (165mm) OAL. Handles - Orange and black.

#100-015-133 3-Piece Flat File Set, 7C24B66... \$ 34.99



### AMERICAN PATTERN ROUND FILES

For Smooth, Precise Metal Removal

American pattern, smooth cut round files allow even, gradual metal removal for an outstanding finish. Available in several different diameters to handle a variety of jobs.

**SPECS:** Steel, round files. 7 1/4" (15cm) long x 1/8" (3.2cm) or 3/32" (3.9cm) dia.; 9 1/2" (15cm) long x 3/16" (4.7cm), 1/2" (5.5cm), or 1/4" (6.3cm) dia.

STOCK #	DIAMETER	STOCK #	DIAMETER
#191-000-003	1/8"	#191-000-006	7/32"
#191-000-004	3/32"	#191-000-007	1/4"
#191-000-005	3/16"		

— Advise # — Round File, 1A6F71... \$ 7.99

#### SWISS PATTERN OR AMERICAN PATTERN — WHAT'S THE DIFFERENCE?

The differences are subtle. Generally speaking, Swiss Pattern files have longer, thinner tapers; are available in more and finer cuts; and are made to tighter tolerances than American Pattern files. A Swiss Pattern file will generally give a smoother finish. If your work requires fine finishing, and/or you want to buy only one file of a shape/cut, pay the extra cost for Swiss Pattern. However, if your files are used mainly for shaping, used by several other people, or are subjected to harsh conditions, the American Pattern is a better choice - it will do an excellent job while costing less to buy and replace.

### AMERICAN PATTERN FILES

Excellent For Finish Work



MILL FILES

Made especially for draw-filing and finishing metals. Taper slightly in width, thickness stays the same over the entire length. Both edges are square. Single cut on sides and edges.

STOCK #	CUT	LENGTH	PRICE
#191-083-850	Second	6" (15.2cm)	1A7G15 \$ 10.99
#191-084-160	Smooth	6" (15.2cm)	1A10Q92 \$ 12.99
#191-085-600	Smooth	8" (20.3cm)	8K8L89 \$ 13.99
#191-087-040	Smooth	10" (25.4cm)	1A11Q06 \$ 16.99



HALF-ROUND FILES

Choice between flat and curved surfaces. Taper slightly in both width and thickness. Bastard works for wood and metal.

STOCK #	CUT	LENGTH	PRICE
#191-049-600	Smooth	8" (20.3cm)	8K14J89 \$ 21.99
#191-048-960	Bastard	8" (20.3cm)	1A13K24 \$ 18.99
#191-049-270	2nd	8" (20.3cm)	1A13B85 \$ 19.99

### AMERICAN PATTERN HAND FILES



Versatile Design For Shaping

Basic, all-purpose file for dressing, striking off, shaping and metal removing of all types. Parallel in width, taper slightly in thickness. Double-cut sides; one edge is single-cut, other is safe.

STOCK #	CUT	PATTERN	LENGTH	PRICE
#191-058-530	Bastard	Amer.	8"	1A12I86 \$ 14.99
#191-058-860	2nd	Amer.	8"	1A10K64 \$ 15.99
#191-058-190	Smooth	Amer.	8"	1A10C85 \$ 16.99
#191-059-680	Bastard	Amer.	10"	1A12A59 \$ 18.99
#191-060-010	2nd	Amer.	10"	1A14E34 \$ 20.99

### SWISS PATTERN PILLAR FILES

Four Widths For Precise Final Filing



STANDARD PILLAR FILES - Swiss Pattern

Similar in shape to the Hand Files, but only about two-thirds as wide. Double-cut on sides; edges are safe. Swiss Pattern.

STOCK #	CUT	LENGTH	PRICE
#191-398-730	#2	4"	1A21D31 \$ 24.99
#191-398-990	#0	6"	1A16A90 \$ 21.99
#191-399-470	#2	8"	1A24B71 \$ 38.99



NARROW PILLAR FILES - Swiss Pattern

Same shape as Pillar. Double-cut on sides; edges safe.

**SPECS:** 6" (15.2cm) long. #0 cut, 2 1/2" (9mm) wide x 3/16" (3.6mm) thick.

#191-400-760 6" Narrow Pillar File, 1A18D27... \$ 27.99



EXTRA NARROW PILLAR FILES - Swiss Pattern

Considered the standard gunsmithing file. "Safe" on both edges so you can cut right up to faces without undercutting the sides of your work. Swiss Pattern.

**SPECS:** 8" (20.3cm) long. #00 Cut 3/32" (7.1mm) wide, 3/16" (3.6mm) thick. #0, #2, #4 Cut 1/8" (6.7mm) wide, 1/8" (3.2mm) thick. All taper slightly in thickness.

#360-312-121 Extra Narrow Pillar File, #00, 6C30A27... \$ 45.99

#360-312-131 Extra Narrow Pillar File, #0, 6C33P25... 48.99

#360-312-151 Extra Narrow Pillar File, #2, 6C36A08... 50.99

#360-312-161 Extra Narrow Pillar File, #4, 6C42E12... 59.99



VERY EXTRA NARROW PILLAR FILES - Swiss Pattern

#0 cut is for fast removal in soft metals, works beautifully for wood, too. #2 cut is ideal for rear sight notch adjustments, extractor/ejector groove relief, final fitting of fine parts.

**SPECS:** 4" (10.2cm) long. 3/32" (4mm) wide. Thickness tapers slightly from 3/16" (1.2mm).

#360-312-021 #0 Very Extra Narrow Pillar File, 6C20B58... \$ 27.99

#360-312-041 #2 Very Extra Narrow Pillar File, 6C22E24... 29.99

### SWISS PATTERN PARALLEL ROUND FILE

True Holes & File Tight Curves, Accurately

Chisel-cut teeth give fast wood or metal removal. Perfect for adjusting screw and pin holes, and making fine cuts on tightly curved parts. Ideal for 1911 auto barrel lug holes.

**SPECS:** 6" (15.2cm) long. 3/16" (4.8mm) diameter. #2 cut.

#360-313-231 #2 Cut Parallel Rd File, 6C26D29... \$ 38.99

### SWISS PATTERN BARRETTE FILES



For Fine Detail Work

Made for getting into tight places. Flat side has double-cut teeth; no teeth on back and beveled, 33° angle edges. Taper from maximum width shown below, to long point.

**SPECS:** 4" (10.2cm) - 1/2" (12.7mm) wide, #0 or #1 cut. 6" (15.2cm) - 3/16" (17.5mm) wide, #2 cut.

#191-350-310 4" Barrette #0 Cut, 1A21C20... \$ 29.99

#191-350-370 4" Barrette #1 Cut, 9D19K56... 29.99

#191-350-730 6" Barrette #2 Cut, 1A25N48... 38.99

### HALF-ROUND VULCANITE FILE



4 Cutting Faces In One File

Once you've tried this file, you'll know why folks love it. Gives you 4 different cutting faces: half-round bastard, flat bastard, half-round 2nd cut and flat 2nd cut. Because of special shape, you can get into places easily where a square-ended file just won't fit. Fantastic for shadowline cheekpieces, shaping combs or schnablen, inletting bolt knobs, around the wrist, tang and grip. Great on hard rubber, soft metals, plastics and wood.

**SPECS:** 8" (20.3cm) long. 1/2" (12.7mm) wide and tapers to 1/8" (3.2mm) at the points.

#360-313-841 1/2 Round Vulcanite File, 6C40M60... \$ 53.99

### METAL CHECKERING FILES

Dead-On Spacing For Grip Frames, Hammer Spurs and More



The only way to get true, accurate line spacing when checkering backstraps, triggerguards, grip frames, ribs and hammer spurs; anywhere an improved gripping surface is needed. Finer cuts give a nice matting effect to reduce glare and light distortion. Layout your master lines (or use a guide like our .45 Checkering Guide), establish the pattern by moving the file a few teeth each time using the previous lines as the guide. Once the pattern is fully laid out, bring to final depth with a 60° needle file.

**SPECS:** 8" (20.3cm) length x 1/2" (12.7mm) wide. Cutting area: 6" (15.2cm) x 1/2" (12.7mm).

STOCK #	LPI	PRICE
#080-310-401	20 (#00)	6C44H10 \$ 49.99
#080-000-177	25 (#00)	6C69G33 \$ 75.99
#080-310-411	30 (#0)	6C43D98 \$ 49.99
#080-310-421	40 (#1)	6C45Q46 \$ 51.99
#080-310-431	50 (#2)	8K46Q82 \$ 53.99
#080-310-451	75 (#4)	8K57K99 \$ 57.99

## SCREW HEAD FILES

Cut New Slots Or Re-Cut Old Ones, The Right Way

High-quality, steel files designed for one purpose only – to cut perfectly square screw slots every time. #7, #9, and #11 files cover the most common slot sizes. Smooth-sided to cut only on the edge. Will not widen the slot as it deepens, or damage the screw head. Cleans up marred slots on hard to replace screws or cuts slots in new screws. Use with Needle File Handles. These files are very thin for precise cutting. Sorry, cannot guarantee against bending or breakage. Sold individually or as a set.

**SPECS:** 5 1/2" (14.6cm) long overall. Shank is 1 1/2" (3.8cm) long. Thickness: #7 - .027" (.69mm), #9 - .035" (.89mm), #11 - .043" (1.1mm). Set includes one each, #7, #9, #11 files.

**#249-103-270 #7 Screw Head File, 9D27N46 . . . . . \$ 37.99**  
**#249-103-290 #9 Screw Head File, 9D27H07 . . . . . 36.99**  
**#249-103-211 #11 Screw Head File, 9D23G11 . . . . . 35.99**  
**#249-000-001 Screw Head File Set, 9D78Q02 . . . . . 122.99**

## SCREW SLOT FILES

Two Precision Styles For Perfect Custom Slots

Making screw slots is a delicate operation and only the finest, most precise files will do. These are the ones! Six sizes and two styles let you cut even the super-thin European

slots. Doing the job right takes both a **Joint File** that cuts only on the edges and won't widen the slot as it deepens, and an **Equalling File** to clean up the slot sides and square the bottom. **Master Screw Slot Set** with 12 files covers almost any slotting job. Plus, some files also available individually or in matched, same-size pairs of 1 Joint and 1 Equalling. **NOTE:** These files are very thin and easily bent or broken. Sorry, cannot guarantee.

**SPECS:** 5 1/2" (14.3cm) long. Both Joint and Equalling Files of the same No. are the same thickness. **Master Set** contains Joint File and Equalling File in each of the following thicknesses (total of 12 files): #1 (.012"), #2 (.016"), #3 (.021"), #4 (.025"), #5 (.032"), and #6 (.032").

**#249-107-000 Master Slot File SET, 9D319P01 . . . . . \$ 455.99**  
**#249-110-197 #3/.021" File Pair, 9D50M31 . . . . . 73.99**  
**#249-108-197 #3/.021" Joint File, 9D31K97 . . . . . 36.99**  
**#249-110-236 #4/.025" File Pair, 9D74B96 . . . . . 88.99**  
**#249-108-236 #4/.025" Joint File, 9D34I78 . . . . . 40.99**  
**#249-109-236 #4/.025" Equalling File, 9D40M18 . . . . . 47.99**  
**#249-110-315 #5/.032" File Pair, 9D54K26 . . . . . 73.99**  
**#249-110-394 #6/.040" File Pair, 9D74H95 . . . . . 88.99**

## BROWNELLS SCREW SLOT FIXTURE

The Secret To Getting Perfectly-Centered Screw Slots, Every Time

Heat-treated, steel fixture makes it possible to cut screw slots precisely in the center of the head. Simplifies fitting new screws to a custom gun or recutting/repairing some on a classic. Clamping thumb screw locks the gun screw in the exact position you want; two sets of roller pins guide your saw or slotting file during cutting to produce screw slots with a look of true class.

**SPECS:** Heat-treated steel, black, oxide finish. 2" (5.1cm) long, 1 1/4" (3.2cm) wide, 1/2" (22.2mm) high. For use with .025" thick files and blades.

**#080-000-082 Screw Slot Fixture, 8K00AWR . . . . . \$ 64.99**



## BROWNELLS SIGHT BASE FILES

The Professional Way To Safely Widen Or Cut New Dovetails

### 60°- STANDARD SLOT

Specially manufactured, true parallel, 3-square file with only one side cutting - other two sides "safe". This means the file can be used to widen dovetail slots in gun barrels without danger of deepening the slot or damaging the edge not being worked on. Being a true parallel file, you have absolute control over the angle of the dovetail - impossible with other type files.

**SPECS:** 7" (17.8cm) long. .284" (7.2mm) wide. #1, medium, doublecut. #2, fine, single-cut.

**#080-648-160 #1 60° Sight Base File, 8K36H14 . . . . . \$ 49.99**  
**#080-648-060 #2 60° Sight Base File, 8K36K14 . . . . . 46.99**

### 65°- 1911 AUTO-TYPE SLOT

Designed especially for widening and final fitting after using our 65° Sight Base Cutter to cut the basic slot. Or, can open up a 60° slot to proper 65° angle if changing to a new sight design. Has true parallel cutting edges for precision filing, giving you full control over the angle of the dovetail. One cutting side only, with the other two sides "safe", so you can widen or deepen sight slots safely without fear of changing the other dimensions.

**SPECS:** 7" (17.8cm) long. 3/16" (4.8mm) wide. #1, medium, doublecut. #2, fine, single-cut.

**#080-648-165 #1 65° Sight Base File, 6C35B50 . . . . . \$ 35.50**  
**#080-648-265 #2 65° Sight Base File, 8K34D57 . . . . . 39.99**

## PATTERNMAKERS' CABINET RASPS

Favorite Of Professional Stockmakers For Shaping & Finishing

The famous Nicholson Shoemakers' and Patternmakers' Cabinet Rasps made especially for wood filing where a smooth finish is desired. Comes in two cuts, second or smooth, 10" long cutting surface. Rasp is half-round shape, but slightly wider than usual with wider radius also. Edges are cut (have teeth) and taper slightly from tang to front. We have been looking for these for many years at the suggestion of many, many good gunsmith and stockmaker customers and friends. The unusual tooth design eliminates most "filling" problems, does not gouge into wood or snag cross-grain. Probably the most useful wood rasp for "almost final" shaping and finishing. Teeth are coarser than the Wood Files.

**SPECS:** 12 1/2" (19cm) overall length. 7/8" (22.2mm) wide, tapers to 1/2" (11.1mm). #49 is second cut, #50 is smooth cut.

**#191-188-460 #49 Cabinet Rasp, 1A42E21 . . . . . \$ 56.99**  
**#191-188-610 #50 Cabinet Rasp, 1A50D12 . . . . . 67.99**

## SHOP TWEEZERS

So Universal - Always A Use

**SPECS:** 6 1/2" (17.1cm) long Nickel plated.

**#345-415-634 Angle-point Tweezers, 5D10C99 . . . . . \$ 10.99**

## STAINLESS STEEL DENTAL TOOLS

Hundreds Of Uses; Surgical Stainless Steel

**EXPLORERS** - Attach springs, position parts, remove gunk. **SPECS:** 6 1/2" (16.5cm) long. Wt. approximately 1/2 oz. (14g) each. 5 different shapes. Set contains one of each.

**#700-410-003 #3 Dental Explorer, 7Z9C89 . . . . . \$ 10.99**  
**#700-410-006 #6 Dental Explorer, 7Z9H89 . . . . . 10.99**  
**#700-410-007 #7 Dental Explorer, 7Z8Q99 . . . . . 9.99**  
**#700-410-017 #17 Dental Explorer, 7Z8E49 . . . . . 9.99**  
**#700-410-023 #23 Dental Explorer, 7Z9F89 . . . . . 10.99**  
**#700-410-000 Dental Explorers Set, 7Z53J99 . . . . . 59.99**

**SCALERS** - Stronger than Explorers. **SPECS:** 6" (15.2cm) long, weight approx. 1/2 oz. (14g) each. 2 end shapes available: #15 - Straight Shank or #16 - Bent Shank. Single-ended.

**#700-401-516 #16 Dental Scaler, 7Z13A77 . . . . . \$ 14.99**  
**#700-401-515 #15 Dental Scaler, 7Z13G74 . . . . . 14.99**

**S-4 SCALERS** - Much stronger than the other Scalers or Explorers. **SPECS:** 7" (17.7cm) long. Wt. 1/2 oz. (14g). Double-ended.

**#700-401-004 Scaler #S-4, 7Z16J59 . . . . . \$ 17.99**

## GRACE HOOK AND PICK SET

Great For Getting Into Tight Spots



Six piece set has both pointed picks and hooks to aid in removing parts from deep inside a gun, and more importantly, getting them back into place during reassembly. The tough, steel tips extend 3" beyond the handle to give plenty of reach and the grooved and faceted handles give excellent control for handling small or delicate parts.

**SPECS:** Steel, blued shanks. Wooden handles. Set of 3 picks and 3 hooks.

**#100-011-441 Hook & Pick Set, 4E19P95 . . . . . \$ 24.99**

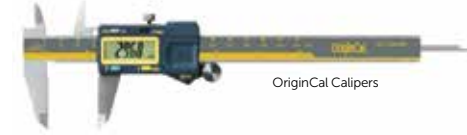
## PACKING HOOK & SCRIBE

Button-Hook End Great For Springs & Things

Use instead of no-longer-available button-hook when fastening, releasing or locating springs and small parts. **SPECS:** Overall length, 7" (17.8cm). Made of tool steel.

**#197-654-200 Packing Hook #3031, 5F11E29 . . . . . \$ 14.99**

## iGAGING CALIPERS & OTHER MEASURING TOOLS



Accurate, Well-Made & NOT Priced To Wipe Out the Checking Account

iGaging offers an extensive line of measuring instruments, highly useful on the workbench or the reloading bench, starting with a variety of calipers. All the calipers listed here are accurate to .001", with .0005" repeatability. You can get your readout in decimal inches, mill-meters, or old-style fractional inches. The main body of each iGaging caliper is machined from hardened stainless steel, with lapped measurement surfaces to ensure precision accuracy. Housing for the electronics and readout screen is IP54-rated for resistance to water, dust and oil, so you'll keep getting highly accurate measurements even in adverse environments. All run on one CR-2032 lithium button cell. The **EZ Cal** is a straightforward, easy-to-use caliper with a big digital readout that will measure items from 0" to 6", an like the other calipers here is accurate to .001", with .0005" repeatability.

The **OriginCal** delivers the exact same 0" to 6" measurement range, output formats, and accuracy as the **EZ Cal** AND adds Absolute Encoding Technology to transmit data directly to a computer via its data output port and the iGaging DataConnect Kit (sold separately below), recording your measurements without risk of transcription errors. It's an absolute origin caliper, so it always "remembers" where it is in relation to its set zero or origin point - a mark of superb accuracy. Same IP54 resistance to water, dust and oil as the **EZ Cal**. Manufactured to ISO 9001 standard, meets DIN Standard 862.

**#100-032-900 EZ Cal Digital Calipers, 9Z22I49 . . . . . \$ 25.50**  
**#100-032-901 OriginCal Digital Calipers, 9Z35E99 . . . . . 41.06**

**EZ DATA DIGITAL MICROMETER** - Measures objects from 0" to 1" (0-25mm), with an accuracy of .000015" (.003mm). The read-out on the extra-large, easy-to-read digital screen can be set to inches or metric, and there's an SPC data output port for sending readings straight to a computer. Handy, click-sound ratchet stop, plus anodized aluminum thimble and hardened carbide measuring surfaces to preserve accuracy and ensure a long service life. Housing is IP54 rated for resistance to water, dust, and oil.



**#100-032-905 EZ Data Digital Micrometer, 9Z42J29 . . . . . \$ 48.99**

**DIGITAL DEPTH GAUGE** - Measures the depth of slots, grooves, steps, and other depressions up to 22" deep, accurate to +/- .001", with a resolution of 0.0005". Results appear on the big LCD display and can be presented in decimal inches, fractional inches, or metric. Meets all AGD and federal accuracy standards, and the gauge can be placed on either the side of the center of the base. Comes with 4 feeler points and 6 extension rods (1", 2", 3", 4", 5" & 6") that can be screwed together to get the max 22" depth capacity.



**#100-032-907 Digital Depth Gauge, 9Z62P09 . . . . . \$ 68.99**

**ENCO  
INSIDE DIAL CALIPER**



Measures Inside Dimensions Of Barrels & Chokes

Accurately measure chambers, choke tubes, bores and various other inside dimensions. Dial is graduated to handle measurements from .375"–1.375" with .001" accuracy. Bezel locking screw lets you set zero for comparative measurements. Ball bearing contact points deliver repeatable measurements every time.  
**SPECS:** Aluminum housing, steel arms. 5.3" (13.6cm) OAL, 2" (5cm) diameter dial.

**#100-002-230** Inside Dial Caliper, 9D124J44 . . . . . \$ 140.77

**LYMAN  
DIAL CALIPER**



High-Quality Stainless Steel At A Moderate Price

Provides inside, outside, depth and step measuring at a very reasonable price. Rugged stainless steel body and jaws, slide graduated in .100" increments up to 6". Clear, easy-to-read, black-on-white dial is single revolution per .100", graduations in .001". Includes thumb roller, slide lock, and case.

**SPECS:** Approximately 9 1/2" (24cm) long, 1 1/8" (3.8cm) diameter dial. 9 1/2" x 3 1/2" (8.8cm) x 1" (2.5cm) case.

**#539-832-212** Lyman Dial Caliper, 5K31L49 . . . . . \$ 33.99

**LYMAN  
DIGITAL CALIPER**



Direct, Digital Readout In Both Inches & Millimeters

Easy-to-see, LCD digital readout takes the guesswork out of measuring. Gives inside, outside and depth functions. Manual on/off switch. Push button zero allows pre-selection of a zero dimension and plus or minus comparison for sorting of parts based on variation. Single toggle button and dual beam graduations give instant inch and millimeter conversions. Reads to 6"/150mm with .0005"/.01mm resolution and .001"/0.1mm accuracy.

**SPECS:** Stainless steel beam, jaws and rollers. 9 1/4" (23.4cm) long. Includes foam-padded, plastic case and battery.

**#539-832-218** Lyman Digital Caliper, 5K32A49 . . . . . \$ 38.99

**MITUTOYO  
DIGIMATIC CALIPERS**



Incredible Value In An Electronic, Direct Reading Caliper; Two Sizes To Choose From

Ready to measure right out of the box, no programming. Open jaws with the smooth-feel thumb wheel and read the LCD display. No reading "between the lines!" If you want to compare dimensions, reset the zero anywhere on the scale, caliper will give plus/minus readings. Close and reset zero and it's a regular caliper again. Graduations also marked on the beam for a quick manual check. No rack and pinion to get dirty, no delicate glass scale. Reads to .0005"/0.01mm; (Five, TEN thousandths). Accurate to .001" (0.02mm).

**SPECS:** 9 5/8" (23.1cm) overall. Stainless steel. Plastic hard case; includes battery.  
**#606-000-001** 8" Digimatic Caliper, 6K00GMA . . . . . \$ 219.99

**MITUTOYO  
DIGIMATIC MICROMETER**



Electronic; Direct Reading To 50 Millionths; Programmable

No programming needed to start measuring all the way down to .00005" (50 millionths!). User programmable to do all sorts of comparative measurements... compare multiple pieces to one original or set the desired dimension as zero and compare all pieces to that. Full, black-filled thimble and sleeve markings so can be used even if the battery runs out. Instant conversion from inch to millimeters.

**SPECS:** 5 1/4" (14.6cm) long x 2 1/8" (6.7cm) high. Carbide tipped measuring faces. Reads 0-1" (2.5cm), 0-25mm. Accurate to .00005" (0.013mm). W/case.

**#606-293-705** Digimatic Micrometer, 6K171G67 . . . . . \$ 179.99

**STARRETT 6" DIAL CALIPER**



U.S. Made - Professional Quality

A precision tool that handles all the required measurements; inside, outside, depth and steps. Stainless steel frame and slide, including the "down-pointing" rack teeth that shed dirt and chips. Dial registers .100" per revolution, the wide graduations give fast, easy reading. Available with a **White Face** with black marks, **Black Face** with white marks or **Red Face** with white marks. Satin finish with deep, recessed, black-filled scale markings. Fast adjusting thumb wheel. Knurled lock for jaw and dial.

**SPECS:** 9" (22.9cm) long, 3" (7.6cm) high, 1 1/8" (3.5cm) diameter dial. 10" (25.4cm) x 4" (10.2cm) x 1" (2.5cm) padded, plastic case.

**#827-559-100** White Face Caliper, 7B219N59 . . . . . \$ 258.99

**#827-559-101** Black Face Caliper, 7B221F04 . . . . . 256.99

**#827-559-102** Red Face Dial Caliper, 7B221N12 . . . . . 256.99

**STARRETT  
DEPTH MICROMETER**



For Accurate Checking Of Slots & Grooves

Unique, flat rod fits into slots and grooves as narrow as .045" and measures depth from 0" to 3". Rotates, doesn't turn with the spindle, can't "walk" or roll off an edge. Reads to .001".  
**SPECS:** 2 1/2" (6.3cm) long x .403" (10.2cm) wide base. Includes three .125" (3.2mm) wide x .0445" (1.1mm) thick rods. Satin, chrome plated.

**#827-523-180** Starrett Depth Mic., 7B296159 . . . . . \$ 313.99



**STARRETT APT 436.1  
OUTSIDE MICROMETER**



Precision Tools from the Company Whose Name Means "Precision"

Starrett precision measuring tools are what skilled workers reach for when they want to make sure they're getting the most accurate measurements possible. This outside micrometer is accurate to +/- .00005". It comes in 0"-1" or 1"-2" measuring ranges and is graduated in .0001". Its advanced sleeve design has staggered lines and distinct figures for precise and easy readability, while the balanced frame and thimble design ensure easy handling. The gracefully tapered frame makes it excellent for use in narrow slots and tight places, with quick and easy adjustment, micro-lapped measuring faces, and an extremely hard and stable one-piece spindle. The handle has Starrett's satin chrome finish to eliminate glare, with a custom-painted "American Pride" theme that's perfectly suited to a premium-quality precision measuring tool Made in the U.S.A. Anvil/spindle material: carbide. Anvil type: flat. Spindle type: flat. Lock nut type: knurled ring. Thimble type: ratchet.

**#827-000-011** Starrett 0" to 1" Micrometer, 7B00JRL . . . . . \$ 155.00

**#827-000-012** Starrett 1" to 2" Micrometer, 7B00BQQ . . . . . 187.00

**THREAD PITCH GAUGE**



Tools Measure Two Standard World-Wide Thread Types

Straight gauges in two thread styles. All steel. Precision cut threads for accurate measuring. Sizes permanently stamped into each leaf.

**SPECS:** Metric - 24 blades, 60°; British (BSW) - 28 blades, 55°

**#592-690-024** Metric Thread Pitch Ga., 2E9A41 . . . . . \$ 14.99

**#592-769-000** BSW Thread Pitch Gauge, 2E11L48 . . . . . 16.99

**BROWNELLS  
SCREW CHEK'R™**



Identifies Threads Plus Gives Drill & Tap Sizes

Tells size, threads-per-inch, diameter, length, tap series, body drill size, and tap drill for machine screws; use to check size of wood and sheet metal screws plus standard rivets. Covers all standard sizes, including 6-48. Use to cut unhardened screws to length, straighten bent screws or battered threads.

**SPECS:** Hardened steel, satin chrome plated. 3" (7.6cm) x 5" (12.7cm). With instructions. U.S. Thread Model - Checks #1 through 1/8" in NC, NS, and NF threads. 3" (7.6cm) x 5" (12.7cm). Metric Thread Model - Gives diameter and length in inches and mm, pitch in mm, plus tap and clearance drills for metric screws from 2mm to 7mm.

**#080-670-001** U.S. Screw Chek'r, 1A12K97 . . . . . \$ 14.99

**#080-670-002** Metric Screw Chek'r, 1A18N17 . . . . . 19.99

**DONEGAN OPTICAL OPTIVISOR**



Continuous Headband; Dial Adjustable

**DIAL ADJUSTABLE CONTINUOUS HEADBAND** - Specially formed to fit. A simple twist of the adjusting dial changes head size. Sealed-in mechanism is self-locking and trouble-free. Gives better balance and even more comfort.

**IT TILTS** - Adjustable pivots make the OptiVISOR unique - and the most handy magnifier yet. It's up, out of the way of normal vision when not in use, and there at your fingertips when you need it for magnified pinpoint clarity back at the job.

**CONFORMING HEADBAND** - Of electrically nonconductive ABS material. Designed to fit and locate the scope in a natural, comfortable position. Total weight just 4 oz. So light you hardly know it's there.

**GENUINE LEATHER COMFORT BAND** - Padded with orthopedic felt, making the OptiVISOR the most comfortably worn magnifier available.

**ABS HI-IMPACT VISOR** - This tough, durable material is practically indestructible, yet always keeps its new appearance.

**OPTICAL GLASS LENSES** - Ground and polished to precise optical standards. Beveled edges and mounted in interchangeable plastic frames. Five scientifically computed prismatic powers are available for use with any OptiVISOR.

**FITS OVER REGULAR GLASSES** - No need to take them off with the OptiVISOR.

**SPECS:** No. 2, 1 1/2" X at 20" (51.0cm); No. 3, 1 3/4" X at 14" (35.6cm); No. 5, 2 1/2" X at 8" (20.3cm); No. 7, 2 1/2" X at 6" (15.2cm); No. 10, 3 1/2" X at 4" (10.2cm).

**#255-002-000** No. 2 OptiVISOR, 5E43D80 . . . . . \$ 56.99

**#255-003-000** No. 3 OptiVISOR, 5E43P80 . . . . . 56.99

**#255-005-000** No. 5 OptiVISOR, 5E43G80 . . . . . 56.99

**#255-007-000** No. 7 OptiVISOR, 5E47F46 . . . . . 61.99

**#255-000-000** No. 10 OptiVISOR, 5E48D14 . . . . . 61.99

Extra LENS PLATES

**#255-003-030** No. 3 Lens Plate, 5E28F05 . . . . . \$ 35.99

**#255-005-050** No. 5 Lens Plate, 5E28L05 . . . . . 35.99

**#255-007-070** No. 7 Lens Plate, 5E28I25 . . . . . 37.99

**#255-010-100** No. 10 Lens Plate, 5E32E40 . . . . . 39.99

**OPTILOUPE** - Easily attached to any OptiVISOR. Gives up to 6X magnification. Pivots out of way.

**SPECS:** Screw-on attachment.  
**#255-001-600** OptiLOUPE, 5E9N98 . . . . . \$ 13.49



**GUARANTEED. FOREVER.®  
SINCE 1939**

**GRADIENT LENS  
HAWKEYE® BORESCOPE**

Gets You Close Enough To Take A Really Good Look

Fully-coated optics, fiber optic illumination and 25x magnification provide a close-up view of rifling, crown, breech, chamber, lock work or any critical firearm component. Even inspect empty cases for signs of separation. Variable intensity, LED light emitter powered by two AA batteries (included) provides a true color image of the surface under inspection. Adjusts to focus from 1mm to infinity. **SPECS:** Illuminator - aluminum body, black, anodized finish. Includes batteries and spare bulb. Eyecup - aluminum, black, anodized finish. **Optic Tube** - stainless steel, .165" (4.2mm) diameter. Fits .17 cal. and larger. Includes instructions.



**SLIM BORESCOPE KIT** - Money saving kit features an adjustable focus, 17" Borescope, light source and a 90° Mirror Attachment for close-up, direct viewing of bore, chamber, throat and crown. Everything packed in an all aluminum carry case. Includes lens cleaning solution and instructions.

**#338-115-017 17" Slim Kit, 8C785D64 . . . . . \$ 789.99**



**22" BORESCOPE KIT** - Contains a 22", fixed-focus Borescope, Mirror Tube, variable-intensity Super-NOVA light with an LED lamp, custom condenser lens, recharger, and hard carry case. Instructions and lens cleaning solution included.

**#338-000-004 22" Borescope Kit, 8C1498F38 . . . . . \$ 1638.99**



**7" & 17" 90° GUNSMITH BORESCOPE KIT** - includes both a 7" optic tube and 17" optic tube with built-in 90° mirror for a close-up view of rifling, crown, breech, chamber or any critical firearm component. Adjustable focus from 1mm to infinity. Includes two, variable intensity Mini-Maglite flashlights with LED lamps. Aluminum case with locking clasps provides secure storage. Includes AA batteries, lens cleaning solution, and instructions.

**SPECS:** .189" (4.8mm) dia., for bores. 223" (5.56mm) or larger.  
**#338-000-005 7" & 17" 90° Gunsmith Borescope Kit, 8C1510H69 . . . . . \$ 1634.99**



**ANGLED EYEPIECE** - 90° eyepiece attaches to borescope eyecup, lets you look down the bore without straining your neck. Rotates a full 360° for easy viewing in hard to get at locations. Internal, 45° mirror turns the image by 90°.

**#338-000-001 Angled Eyepiece, 8C251M48 . . . . . \$ 272.99**



**MAGNIFYING SAFETY GLASSES**

Split 2x Magnification Helps Reduce Strain & Eye Fatigue

Safety glasses with two separate zones of 2x magnifying across the top and bottom of each lens and a non-magnifying center section provide protection when prescription glasses can't be worn. High-impact polycarbonate lenses and lightweight nylon frame provide unobstructed peripheral vision. Clear, scratch-resistant lenses provide 99.9% UV protection, and meet or exceed ANSI Z87.1+2003 impact protection standards.

**SPECS:** Nylon frame and earpieces, black; clear polycarbonate lenses.  
**#368-000-001 2x Safety Glasses, 8F28M09 . . . . . \$ 31.99**



**LYMAN BORECAM PRO**

A Borescope that Works With Your Smart Phone To Show You What's Going on Inside the Barrel



Lyman's Borecam Pro borescope puts video barrel inspection into the hands of the average shooter, as well as the seasoned professional. The wireless Borecam Pro sends super-clean and detailed images via Wi-Fi directly to your smart phone or tablet device - no wires or cumbersome monitors for you to wrangle. You can inspect bores for wear, throat erosion, tool marks, and other rifling damage, as well as copper or lead fouling buildup. The Borecam Pro will fit into a bore as small as .20 caliber and is equipped with a 24" rod for inspecting those long-range target rifles. In addition to taking as many still photos as you need, the Borecam Pro also produces sharp, clear real-time 720p high-def videos. The easy-to-use phone app makes storing and retrieving photos and videos later a simple, intuitive process. Apps are available for iOS and Android phones and tablets.

**#539-000-205 Borecam Pro, 5K275I00 . . . . . \$ 299.99**

**BORE TECH BORE BRIGHT**

LED Light Shines Brightly In Your Bore

Versatile bore light powered by a Streamlight® Stylus 3 flashlight and a fiber optic diffuser provides a soft, blue/white light that evenly illuminates the bore. A magnet holds the light on the receiver for hands-free viewing, while the flexible fiber optic rod reaches deep inside actions. Dual-mode control switch gives momentary-on or steady-on output. **SPECS:** Aluminum body, black. 6 1/2" (16.5cm) long. Uses (3) AAAA batteries. Delrin® diffuser and adapter.

**#509-000-017 Bore Bright, 9K51E49 . . . . . \$ 53.99**



**DOUBLE LENS MAGNIFIER**

**MAGNIFIER** - Compact, folding pocket magnifier. Double lens system gives combined 8X. Get a closer look at anything. **SPECS:** 1 1/4" (3.2cm) diameter glass.

**#345-534-002 Double Lens Magnifier, 5D14I66 . . . . . \$ 16.99**



**MILITARIA AAA BATTERY BORELIGHT**

Illuminates Bore For Easy Inspection

Bright, compact LED light helps to ensure your gun is clean and obstruction-free before storage or operation. A removable 90°, fiber-optic extension piece illuminates barrels, action recesses, or other hard-to-see areas. Push-button tail piece activates the high-intensity beam that is powered by one AAA battery. **SPECS:** Aluminum body, black. 5" (12.7cm) OAL. Uses (1) AAA battery, included.

**#622-000-002 Militaria Borelight, 2B8A14 . . . . . \$ 9.99**



**BROWNELLS  
HAMMER/SEAR PIN BLOCK KIT**

Allows Visual Inspection Of Hammer & Sear Engagement



Machined steel block allows you to mate the hammer and sear (or trigger) outside of the firearm for a clear, unobstructed view of the critical point of engagement.

Accepts a wide selection of hammer and sear pins sized for various handguns and rifles. Dovetailed adjustment block rides in slotted channel so pin spacing can be precisely set to match individual frames and receivers. Allen screw locks the pin setting so hammer and sear can be dropped in place relative to their actual position in the firearm. Great for cutting the engagement surfaces on new parts or fine-tuning the factory ones. Pins are individually numbered for proper identification. **Kit** is packaged in a see-thru, plastic box and contains hammer/sear pin block and all nine sets of special pins for popular gun models. Block and pins also available separately. **SPECS:** Block - Steel, blued. Pins - Stainless steel. 2 1/2" (6.4cm) long, 1 1/8" (1.7cm) wide. Kit includes plastic storage box.

STK# HAMMER	STK# SEAR	FITS
#080-000-100	#080-000-101	Colt Single Action Army
#080-000-102	#080-000-103	Uberti Cattleman
#080-000-104	#080-000-105	Ruger® 10/22
#080-000-108	#080-000-109	Ruger New Model SA Revolver

- Advise # - Hammer/Sear Block Hammer Pin, 8K7H10 . . . . . \$ 7.99
- Advise # - Hammer/Sear Block Sear/Trigger Pin, 8K4N79 . . . . . 5.99
- #080-000-098 Hammer/Sear Block Hammer Pin, 8K7H10 . . . . . \$ 7.99
- #080-000-099 Hammer/Sear Block Sear/Trigger Pin, 8K4N79 . . . . . 5.99
- #080-000-106 Colt AR-15 .154" Small Hammer/Trigger, Pin Set, 8K10J39 . . . . . 12.99
- #080-000-107 Colt AR-15 .172" Large Hammer/Trigger, Pin Set, 8K11H99 . . . . . 15.99
- #080-000-116 Hammer/Sear Pin Block, only, 8K53P28 . . . . . 59.99
- #080-000-115 Hammer/Sear Pin Block Kit, 8K118H76 . . . . . 149.99

**POWER CUSTOM  
SERIES I STONING FIXTURE**

Ultimate For Hammer & Sear Work; Accurate, Repeatable Setup

Save time and money by providing repeatable setup, accurate, measurable adjustments and suitability for many guns. Fixture has built-in hammer and trigger/sear alignment pin holes for seven popular guns, plus an adapter for working on one additional gun model of your choice. Purchase more adapters separately for other guns; many jigs combined in one fixture! To use, mount hammer or trigger/sear on adapter, set and lock at correct index mark as instructed. Set stoning angle by counting "clicks" specified to raise or lower elevator and stoning guide. Lock guide, place stone on both roller and hammer or trigger/sear, and stone as normal. Easily adjustable to allow variations in stoning angle for exact, desired trigger pull weight. Same tool Ron Power uses in his own shop. Complete with one adapter and very detailed instructions written by Ron. You will also need a #10 Machinist's Clamp and 6"x1/2"x1/2" stones (listed elsewhere). **SPECS:** Blued steel. 5 1/8" (14.1cm) long x 2 1/8" (6.5cm) wide x 3" (7.6cm) high. 3/4" (19mm) thick base. 5 1/4 lb. (2.6 kg). Includes roller guide and one adapter in the price.



**#713-070-002 Series I Fixture Complete, 3A173N40 . . \$ 181.33**  
**#713-070-900 Series I Fixture Roller Guide, 3A4P15 . . . 4.99**

STOCK #	FITS	CONTENTS	PRICE
#713-070-001	Browning Hi Power	Complete fixture	3A173G40 \$ 179.99
#713-071-001	Browning Hi Power	Adapter ONLY	3A26J78 \$ 30.00
#713-071-002	Colt 1911 Govt Model	Adapter ONLY	3A26F78 \$ 30.00
#713-070-020	Colt SAA & Clones	Complete fixture	3A173J40 \$ 181.33
#713-071-020	Colt SAA & Clones	Adapter ONLY	3A26F78 \$ 30.00
#713-000-048	Marlin 336	Adapter ONLY	3A26G78 \$ 30.00
#713-071-007	Ruger Redhawk®/ Super Redhawk®/ GP-100®	Adapter ONLY	3A30N60 \$ 35.00
#713-071-015	Ruger 77/22® & M77® Mark II	Adapter ONLY	3A26E78 \$ 30.00
#713-070-008	Ruger Single Actions	Complete fixture	3A173Q40 \$ 181.33
#713-071-008	Ruger Single Actions	Adapter ONLY	3A26A78 \$ 30.00
#713-070-012	Ruger 10/22®	Complete fixture	3A173N40 \$ 181.33
#713-071-012	Ruger 10/22®	Adapter ONLY	3A26A78 \$ 30.00
#713-071-011	S&W J-Frame	Adapter ONLY	3A26P78 \$ 35.00
#713-071-010	S&W K, L & N Frame	Adapter ONLY	3A26A78 \$ 30.00

**NORTON 6" X 1" X 1" INDIA STONES**



Excellent Surface Finish With Fast Metal Removal

Fast cutting, aluminum oxide stone, six inches long and one inch square, lets you make a long, steady stroke and turn out those glass sharp, silky-smooth trigger jobs that make shooting a joy. Excellent for many other stoning jobs, too. **MF-76 Medium** - A few quick strokes in a trigger jig cleans up burrs in new guns. **FF-76 Fine** - Combines speed and a smooth cut for a crisp, smooth, trigger pull. **SPECS:** Aluminum oxide. 6" (15.2cm) x 1" (2.5cm) x 1".

**#657-000-001 MF-76 Med. India Stone, 7E12D68 . . . . . \$ 19.99**  
**#657-000-002 FF-76 Fine India Stone, 7E22D14 . . . . . 26.99**



order on the web  
**brownells.com**

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Orders: 800-741-0015

For more choices of GRADIENT LENS BORESCOPES visit brownells.com

### POWER CUSTOM SERIES II STONING FIXTURE



Precise, Controlled Stoning Of Semi-Auto Hammers & Sears For Perfect Trigger Pulls

Eliminates the guesswork and gives an accurate, repeatable method to achieve a crisp, clean-breaking trigger pull on semi-automatic firearms. Individual, easy-to-change **Adapters** attach

to a precision-ground indexing elevator column and clamp both the hammer and sear in the right position for correct stoning. Adjustable design lets you change both hammer and sear angle to meet the shooter's precise needs. **Series II India Stone** or **Series II Hard Arkansas Stone** required for use; purchase separately, listed below. Universal Adapter (described below) adds incredible versatility.

**SPECS:** Steel, blued, precision ground and hardened. 5" (12.7cm) 4" (10cm) high, 3" (7.6cm) wide. **Fixture** includes (1) **Adapter**, hammer and sear clamp, three Allen wrenches and instructions.

- #080-815-000 Series II India Stone, 8K18P99... \$ 20.99
- #080-815-001 Series II Hard Arkansas Stone, 8K67189... 79.99

STK# FIXTURE WITH ADAPTER	STK# ADAPTER ONLY	FITS	MODEL
#713-270-100	#713-271-000	Handguns, 10/22	Universal
#713-270-092	NA	Beretta 92	B92
#713-270-014	NA	M1 Garand, M14 -sear only	M14
#713-270-016	#713-271-016	M16/AR-15 w/ .154" dia pin	M16
#713-270-015	#713-271-015	AR-15 (Colt) w/ .173" dia pin	AR-15

- Advise # — Series II Stoning Fixture/1 Adapter, 3A181B11... \$ 207.99
- Advise # — Series II Adapter, only, 3A37F33... 48.99

**UNIVERSAL HAMMER ADAPTER** - Fits the Power Series II Stoning Fixture and provides the gunsmith with the right angles to correctly modify trigger pulls on dozens of guns: High Standard rimfires; S&W 3rd. Gen.; 1911 Auto; Browning Hi-Power; SIG 226 Series; Ruger Single and Double Actions (with .218" diameter hammer pin only; will not fit Single Actions with .203" diameter pins); Ruger 10/22, Beretta; this is only a partial listing. Adapter is marked for many popular handguns and includes five hardened pins that make it work on a large number of guns. **SPECS:** Steel, blued, includes 5 hammer pins, .125" (3.1mm), .136" (3.4mm), .156" (3.9mm), .187" (4.7mm), .218" (5.3mm) dia., 2 stop pins, 1 Allen wrench, 4 hammer pin lock screws and instructions.

- #713-271-000 Univ. Hammer Adapter, 3A37F33... \$ 48.99



### NORTON 6" X 1/2" X 1/2" INDIA STONES

Traditional Gunsmithing Favorites Deliver Excellent Surface Finishes



Fast cutting aluminum oxide stone. **MF-46 Medium** is perfect for fast production cleanup of the manufacturing burrs found in almost all new guns. A few quick strokes in the jig results in a much smoother trigger pull. Lubricate with stoning/ honing oil. **FF-46 Fine** is a good combination of speed and smoothness of cut to put a finer finish on parts for slicker, smoother trigger pulls. A favorite of many armorers. Lubricate with stoning/ honing oil. Aluminum oxide.

- #657-246-146 MF-46 India Stone, 7E10K35... \$ 10.99
- #657-246-246 FF-46 India Stone, 7E9D81... 11.39

### BROWNELLS 6" X 1/2" X 1/2" CERAMIC STONES

State-Of-The-Art Stones Combine Fast Metal Removal With Fine Finish



Custom made to our specs from premium ceramic. The cutting action is very fast and the resulting surface very smooth. Perfect for all trigger work from burr removal to final finish. Use dry or with water as a lube (no messy oil); soap and water cleanup. Less fragile than Arkansas stones. Sold in two colors, **White** and **Black**. Ground sides for sharp, 90° edges and an extremely fine cutting action for polishing and smoothing triggers and sears, like the 1911 Auto, that require an exact 90° interface for best performance. **White** stones produce a finer cut than **Black**. **Set** contains one of each stone.

- #080-721-621 2 Ceramic Stone Ground Set, 8K44P99... \$ 48.99

STOCK #	STYLE	CUT	COLOR	PRICE
#080-721-604	Ground	M-Fine	Black	8K24Q99 \$ 29.99
#080-721-601	Ground	X-Fine	White	8K23F99 \$ 29.99

**BROWNELLS HAMMER/SEAR FILE & STONE KIT** - The most complete and useful selection of specially designed 1/2" x 1/2" x 6" sharp edged stones and files ever offered for 1911 Auto trigger and sear work. Our exclusive 90° Hammer Hook Squaring File w/Handle, FF-46 India Stone, Ground Black Ceramic Stone and Ground White Ceramic Stone packaged in a convenient polypropylene storage box with oak divider tray.

- #080-811-000 Brownells Hammer/Sear File & Stone Kit, 8K115F68... \$ 129.99

### NORTON INDIA STONES



Mainstay Of The Gunsmith Profession

Man made from aluminum oxide. A uniformly dense stone with superior cutting properties make these medium grit stones cut faster than hard Arkansas. Especially useful for lapping, honing, sharpening and polishing in tight places where the special shapes can reach into nooks and crannies. **SPECS:** METRIC: 1" = 2.5cm, 1/2" = 12.7mm.

STOCK #	SHAPE	MODEL	SIZE	PRICE
#657-010-034	Square	MF-34	4 x 1/8"	7E12J06 \$ 14.99
#657-020-134	Triangle	MF-134	4 x 1/8"	8K13A66 \$ 14.99
#657-030-214	Round	MF-214	4 x 1/4"	7E9H88 \$ 12.99
#657-040-134	Diamond	MT-134	4 x 1/8"	7E22B09 \$ 25.99
#657-050-724	Knife	MF-724	4 x 1 x 1/8"	7E18E01 \$ 20.99
#657-060-024	Slip	MS-24	4 1/2 x 1/4 x 1/8"	7E10A90 \$ 15.99
#657-070-723	Point	MF-723	3 x 1/8"	7E22D30 \$ 25.99

### NORTON PREMIUM HARD ARKANSAS STONES

Complete Selection Of Shapes For Every Professional Need

Ultra-fine, Hard Arkansas Stones are a must for precision jobs like accurizing, trigger work, hard fitting, putting a super-smooth finish on cutting tools. Made from the finest quality Ozark quartz and carefully checked for consistent hardness.

**SPECS:** As with all natural products, sizes shown are nominal and may vary. METRIC: 1" = 2.5cm.

### BROWNELLS GUNSMITH'S PREMIUM ARKANSAS STONE FILE SET

Norton Premium Stones In The Most Popular Shapes



The 4 most used stones/files for the working gunsmith. All angles, edges, corners are sharp, true and straight. Great for trigger and sear work! Made from first-quality, hard Ozark Quartz, with a minimum of variations within each stone. **SPECS:** Set includes: 1/4" (6.3mm) x 3" (7.6cm) Triangle; 1/8" (9.5mm) x 1/4" (9.5mm) x 3" (7.6cm) long Square; 1/4" (6.3mm) dia. Round; 3" (7.6cm) long x 1" (2.5cm) deep Knife; 1/8" (3.2mm) wide at the back, tapering to 1/16" (1.6mm) at the edge. Fitted tray protects stones.

- #080-576-000 Hard Arkansas File Set, 8K110J74... \$ 119.99

### SPYDERCO SHAPED CERAMIC STONES



Sharp Edges, Easy Cleaning

Ceramics cut beautifully and uniformly using water (not messy oil) as the lubricant; they're resistant to shatter and breakage and literally last a lifetime. Cleanup consists only of washing with detergent and warm water to restore the original clean, white cutting surface. The cut is rated "smooth" and you can cut Hard Arkansas with these Ceramic files. After a bit of use and a few washings, the cut will become even finer.

- SPECS:** Smooth cut. Set contains 1 each of the following: Square, 1/4" (6.3mm) x 5" (15.2cm); Triangle, 1/4" (6.3mm) x 5" (15.2cm); Round, 1/4" (6.3mm) diameter x 5" (15.2cm).
- #824-400-000 Ceramic Stone Set, 4B41P25... \$ 59.99
  - #824-400-001 Round Ceramic Stone, 4B12C50... 13.30
  - #824-400-002 Triangle Ceramic Stone, 4B12I50... 13.30
  - #824-400-003 Square Ceramic Stone, 4B12A50... 13.30

### BROWNELLS GUNSMITH'S PREMIUM CERAMIC STONE FILE SET



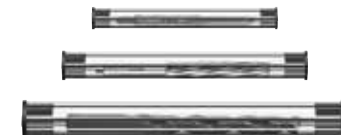
Sharp, Precision-Ground Stones With Clean Cutting Edges For Superb Trigger & Sear Work

Flawless, man-made ceramic stones polish the surface of steel as they cut, so you save

time as you produce a clean, ripple free surface on any metal with just a few easy strokes. Double, precision grinding after high pressure extrusion produces the consistent, extra-fine grit, true angles and the sharp, perfectly square edges necessary for top quality handgun and rifle trigger work. Extra hard ceramic material maintains its surface so edges stay square and straight without chips or glazing. Cuts can be made dry - so there's no messy cleanup - or with water. With normal care, these high quality stones will maintain their edge and last a lifetime. **SPECS:** Extra fine, white ceramic stones 3.5" (8.8cm) long. Set includes: Triangle - .250" (6.3mm) wide. Square - .350" (8.8mm) wide. Round - .250" (6.3mm) dia. Packed in fitted plastic tray w/lid.

- #080-721-001 Triangle Ceramic Stone, 8K19N17... \$ 20.99
- #080-721-002 Square Ceramic Stone, 8K20D49... 24.99
- #080-721-004 Round Ceramic Stone, 8K17A99... 21.99
- #080-721-000 Ceramic Stone Set, 8K43B91... 51.99

### BROWNELLS CELLULASTIC TUBES



Excellent For Storing Files & Stones

Give your fine tools the protection they deserve against accidental edge chipping and dulling in the bench drawer. Cellulastic tubes are easily cut to any length. Polyethylene plug caps provide tight, moisture-proof container. **SPECS:** 18" (45.7cm) long. Butyrate plastic, resists oils/solvents.

**HANDY SHOP ASSORTMENT** - Four 7/8" tubes & 40 caps. Six 5/8" tubes and 60 caps. Ten 1/2" tubes & 100 caps. Packed in carton.

- #080-536-000 Cellulastic Tube Shop Assortment, 8K52N37... \$ 67.99

### PLASTIC TUBES

STOCK #	QTY.	DIAMETER	PRICE
#080-536-375	30	1/8" (9.5mm)	8K29A85 \$ 38.99
#080-536-625	17	1/4" (15.9mm)	8K26H09 \$ 33.99
#080-536-875	8	7/8" (22.2mm)	8K15D66 \$ 19.99
#080-536-100	7	1" (2.5cm)	8K18A60 \$ 23.99

### CAPS

DIAMETER	STK# CAPS PER 100	STK# CAPS PER 1M
3/8" (9.5mm)	#080-536-138 9.99	#080-536-238 49.99
5/8" (15.9mm)	#080-536-158 15.99	NA NA
7/8" (22.2mm)	#080-536-178 15.99	NA NA
1" (2.5cm)	#080-536-110 19.99	NA NA





ABRASIVE ROLLS/MANDREL

Little Cylinders & Tapers Get Into Tight Places



CYLINDER ROLLS - Solid-wound cylinders of Aluminum Oxide abrasive cloth. Ideal for shaping and getting into tight places you can't reach with any other polishing/grinding head. SPECS: 1/8" dia. x 3/4" long. Grits 60; 120; 240; 320 (resin bond). 10 rolls of single grit per bag. Maximum speed: 20,000 rpm.

Table with 4 columns: STOCK #, GRIT, STOCK #, GRIT. Lists various abrasive roll options and prices.

Advise # - Cylinder Rolls, 10-pak, 1E6C25 ... \$ 7.99; #591-812-001 Abrasive Roll Mandrel, only, 1E7E37... \$ 8.99

TAPERED ROLLS - Get into tighter places more easily. Tough, aluminum oxide grit bonded to heavy-duty cloth backing. SPECS: 1/8" (9.5mm) base diameter, taper to 1/4" (6.3mm) diameter at tip, 1" (2.5cm) long. Resin Bond. Packed 10 rolls of single grit per bag. Maximum speed: 18,000 rpm.



Table with 4 columns: STOCK #, GRIT, STOCK #, GRIT. Lists tapered roll options and prices.

Advise # - Tapered Sanding Rolls, 10-pak, 1E10A64... \$ 12.99

BROWNELLS

PREMIUM GRINDING POINT KIT

The 11 Most Popular/Useful Shapes & Sizes



Industrial grade cobalt added to aluminum oxide crystals form the hardest, fastest grinding points available. Gives a smooth surface on all metals, lasts much longer than "hobby" points. Kit contains 3 each of the points shown below at a special price. Refill 6-Paks make it easy to keep your Kit well stocked. SPECS: Shank - 1/16" (3.8mm) long, 1/16" (3.2mm) diameter. Refills sold 6 per pak, not assorted.

Table with 2 columns of item lists. Each list has 6 rows with columns for STOCK #, TYPE, and an image of the grinding point.

Advise # - Refill, 6-pak, 8K16A00 ... \$ 20.99; #80-697-000 Prem. Grinding Point Kit, 8K63E99... \$ 79.99

FELT BOBS

MANDREL MOUNTED

Get Into Those Tight Places



Ideal for polishing around trigger-guards, cylinder flutes, rams, hammer, triggers, etc. Made of best hard felt. Use with Polish-O-Ray.

Table with 5 columns: STOCK #, DIAMETER, FACE, MANDREL, PRICE. Lists felt bob options and prices.

JOBBER LENGTH DRILL BIT MAXI SET



This Is It - Never Want For The Right Size Again

The ultimate dream set for every gunsmith or serious hobbyist. 115 drills!! Includes FRACTIONAL from 1/16" to 1/2" by 64ths; LETTER from A to Z; and NUMBER from 1 to 60. With this set, you can precisely duplicate any American-sized hole and cover many of the metrics as well. 118" point, bright polished, jobber length, high speed steel drills. SPECS: 115 pieces in 14 1/2" x 4 1/4" x 2 1/2" box. 1" = 2.5cm.

#891-500-000 Maxi Set, 1H600P46... \$ 730.99

BROWNELLS UNIVERSAL DO-DRILL™

Our Most Popular Drilling, Machining, Tapping & Cutting Oil



Many of our gunsmith customers have told us this is the best product we've ever offered for tapping, drilling and cutting all types of heat-treated steels, moly and stainless. Excellent for chambering and boring jobs, a coolant for lathe, mill and shaper work - will speed production and reduce tool costs in your shop every day. Non-evaporating, does not require stream application for 99% of the jobs, it follows the tap or drill in the work. A moneysaver. We know of cases where all four holes for a mount have been drilled and tapped using DO-DRILL™, and the tap was still sharp enough for future use. With taps as high priced as they presently are, you cannot afford NOT to use it.

SPECS: Net Contents; 16 oz. (473 ml) or 1 gal. (128 fl. oz./3.8 L). #083-007-016 16 oz. Do-Drill, 5L14J53... \$ 15.99; #083-008-128 1 Gal. Do-Drill, 5L69B99... \$ 92.99

INDIVIDUAL DRILLS

U.S. MADE

A heavy-duty drill can make all the difference in the world in your work. The extra engineering and care in manufacture will help you to drill cleaner, more accurate holes, and many more of them at that. All the Drills we carry, Sets, Individuals, Jobber Length and Short Length, are made from High Speed Steel with a 135° self-centering point. Special point and surface treatments (Maxi-Set not created) give easier, more wear-resistant drilling of the tough steels encountered in the gun shop. SPECS: High speed steel.

FRACTIONAL DRILLS - JOBBER LENGTH METRIC 1" = 2.5cm

Table with 4 columns of item lists. Each list has 11 rows with columns for STOCK #, NO. EQUIV., PRICE, and an image of a drill bit.

WIRE GAUGE DRILLS - JOBBER LENGTH

Table with 4 columns of item lists. Each list has 19 rows with columns for STOCK #, NO. EQUIV., PRICE, and an image of a drill bit.

WIRE GAUGE DRILLS - SHORT LENGTH

Table with 4 columns of item lists. Each list has 6 rows with columns for STOCK #, NO. EQUIV., PRICE, and an image of a drill bit.

BARREL LINER DRILLS



Special Deep-Hole Drills For Installing Barrel Liners

For the gunsmith who does not want to make his own drill extension, our Hi-Speed steel drills are designed especially for deep hole drilling for Brownell Barrel Liners. The hole for the liner must be drilled slightly more than halfway from each end, and the ONLY way to ensure proper joining when using a hand drill is to use these pilot drills. Special helix angle eliminates the tendency for the drill to "pull" itself into the material and jam, saving time and headaches. The extra cost for this premium quality drill is far cheaper than ruining a customer's gun with an off-center hole. Given proper care, will last a lifetime. SPECS: Hi-Speed steel. 15" (38.1cm) OAL. Handles barrels up to 25" (63.5cm) length maximum. Pilot length: 1" (2.5cm). Pilot diameter: .22 - .216" (5.5mm); .25-20 - .247" (6.8mm); .38-40 - .391" (9.9mm); .44-40 - .419" (10.6mm).

Table with 4 columns: STOCK #, LINER, DRILL SIZE, PRICE. Lists barrel liner drill options and prices.

WIRE GAUGE DRILLS - SHORT LENGTH CONTINUED

Table with 4 columns of item lists. Each list has 19 rows with columns for STOCK #, NO. EQUIV., PRICE, and an image of a drill bit.

LETTER DRILLS - JOBBER LENGTH

Table with 4 columns of item lists. Each list has 11 rows with columns for STOCK #, NO. EQUIV., PRICE, and an image of a drill bit.

GUARANTEED. FOREVER.™ SINCE 1939





## T-HANDLE TAP WRENCH

Two Convenient Sizes

SPECS: No. 1E for 0 to 12. No. 164 for 1/16" to 1/4".

#395-311-001 T-Handle No. 1E, 8K6L77 ..... \$ 7.99  
#345-164-000 T-Handle No. 164, 1/16" to 1/4", 5D12B12 ... 18.99



## IRWIN TAP WRENCH

Securely Holds Taps in Precise Alignment for Straight, Clean Cuts

Fits 0" to 1/2" taps with square shank measuring up to .332" across the flats. 9 1/4" long. Hardened steel.

#395-312-088 Tap Wrench No. 1, 5C18B98 ..... \$ 21.99



## STARRETT #174 STRAIGHT-HANDLE TAP WRENCH

For Accurate Thread Cutting, Reaming & Drilling

Precision-made tap wrenches help you apply the exact amount of leverage needed to cut straight, true threads for scope bases, finish ream chambers, and drill or deburr holes. Easy-to-grasp, knurled collet tightens securely around the tap, reamer, or drill bit to prevent slipping. Built from forged steel, then hardened for added strength and durability. Has an combined one-piece body and handle that produce an extra-long lever for maximum torque when turning. Elliptical jaws hold round- or square-shank tools up to 1/4" diameter.

SPECS: Forged steel, polished. Straight handle, 3 1/8" (9cm) long. Fits #0 to 1/4" round or square shanks.

#827-506-580 #174 Tap Wrench, 7B32J57 ..... \$ 34.99



## BROWNELLS UNIVERSAL DO-DRILL™

Our Most Popular Cutting Oil

Preferred by many gunsmiths for tapping, drilling and cutting all types of heat-treated steels, moly or stainless. Follows the tap or drill in the work. We know of cases where all four holes for a mount have been drilled and tapped using DO-DRILL™, and the tap was still sharp enough for future use.

SPECS: Net Contents: 16 oz. (473 ml) or 1 gal. (128 fl. oz./3.8 L).

#083-007-016 16 oz. Do-Drill, 5L14153 ..... \$ 15.99  
#083-008-128 1 Gal. Do-Drill, 5L69B99 ..... 92.99



## VIPER BENCH REST VIPER'S VENOM CUTTING OIL

High Viscosity & Extreme Cooling Properties

A thick, high sulfur cutting oil just like the old time machinist oil. Clings to your work and won't fly off as the metal heats up, which means you use less oil per project. Specifically formulated for cutting all ferrous metals, tapping, threading, and reaming. Works extremely well when threading or reaming stainless steel rifle barrels due to its extreme lubricity factor and cooling properties. Does not smoke like other oils when it gets hot.

#100-013-369 1 Quart (32 oz.) Viper's Venom, 6A22G88 ..... \$ 25.99



## DEVCON EXPRESS DYKEM STEEL BLUE LAYOUT FLUID

Dark Blue Background For Sharp Layout Lines



Gives excellent definition to layout lines and eliminates glare for faster, more exact work. Adds practically no thickness (less than .0002"). Non-corrosive, will not harm steel, iron, bronze, aluminum or any other metal. Brushes on from can, dries in 2 minutes, hard and ready to work in 5. Resists water and oil.

SPECS: 4 fl. oz. (118 ml) brush-top can.

#262-100-004 Dykem Layout Fluid, 2F8E37 ..... \$ 9.99

## DEVCON EXPRESS DYKEM HI-SPOT BLUE

Gotta Have When Your Precision Fitting Metal Components

A must-have when hand-fitting parts or machining metal to ensure a precise, flat, no-gaps fit - particularly on those firearms where a fine attention to detail is absolutely required! Dykem's bright-blue paste can be evenly and consistently applied to any fitted surface, and when two parts are brought together, the blue rubs off on the high spots in the material, showing you exactly what areas need filing, fitting and polishing. Comes in a handy tube with .55 oz. of material, which will last for a surprisingly large number of jobs.

#262-000-003 Dykem Hi-Spot Blue - .55 oz. Tube, 2F00CJE ..... \$ 7.99



## BROWNELLS LATHE CENTERING BAR

Eliminate Errors Caused By Faulty Alignment



Steel bar lets you set up and check the trueness of your lathe. Accurately confirms the alignment of centers and helps precisely offset the tailstock for cutting tapers. Recesses on each end align headstock and tailstock centers to prevent taper cuts. Available in 1" x 8" or 1 1/4" x 24".

SPECS: Steel. 1" (2.5cm) x 8" (20.3cm) or 1 1/4" (3.1cm) x 24" (60.9cm).  
#080-000-258 Lathe Centering Bar, 1 1/4" x 24", 8K188F42 ..... \$ 203.99

## FISHER MACHINE SHOP MACHINE TOOLS

Top-Quality Machinist Tools For Precision Work

These precision machinist tools were specifically chosen for professional gunsmiths whose livelihoods depend on the quality of their work. Provides the shop with the right tools for precise milling of parts, tapping screw holes, or determining exact screw thread size. These are must-have items, especially when working on high-dollar, custom firearms.

**MICRO EDGE FINDER** - Spring-loaded mechanical tool locates the exact distance from the center of the mill spindle to the edge of the work piece so you know precisely how deep you're milling, without guessing. Easy-to-use—just insert in the mill collet, run at 500-1000 rpm, and move slowly to the edge you want to locate. As the lower cylinder of the Edge Finder touches the work piece edge, it "kicks out" suddenly. When you see the kick, the spindle centerline is located exactly .100" from the edge of the work piece.

SPECS: Steel, surface ground and hardened. 2 1/8" (7.3cm) OAL, 1/4" (9.5mm) diameter shank, .200" (5.1mm) diameter tip.

#100-004-429 Micro Edge Finder, 1C10H99 ..... \$ 16.99



**MICRO TAP GUIDE** - Applies just enough pressure on the tap for precise centering and perfectly square threads. Just install in your lathe tailstock, drill press, or mill spindle, and align the point of the tap guide with the small hole at the end of the tap wrench. Adjust the tailstock or travel to remove all free-play between guide, tap wrench with installed tap, and pre drilled hole. As you cut the threads by hand, the tap guide's internal spring keeps steady pressure on the tap to prevent misalignment or jumping the threads. Fully adjustable spring tension allows fine-tuning the amount of pressure on the tap. Knurled bottleneck provides a non-slip grasp. Reversible guide tip fits male or female tap wrench hole.

SPECS: Steel, hardened, knurled bottleneck. 3 1/8" (7.9cm) OAL, 1/2" (13mm) diameter shank, 3/16" (4.8mm) diameter tip, retracts 1/2" into body. Adjustable spring tension.

#100-004-428 Micro Tap Guide, 1C13H65 ..... \$ 19.99



**PEE DEE THREAD MEASURING WIRES** - Quickly and accurately measures pitch diameters of external threads—a must-have when cutting or checking threads on precision screws. Accurate to within +/- .0001" along the center 1" section. Measures the following pitch sizes: 3 to 48 tpi, .5mm to 6mm pitch, and Acme 3 to 16 tpi. Includes plastic storage sleeve, conversion chart and instructions. Requires micrometer, not included.

SPECS: Steel. 2 1/4" (7cm) OAL. Contains 16 different wire sizes, (3) of each diameter: .018" (.45mm), .024" (.61mm), .029" (.74mm), .032" (.81mm), .040" (1mm), .045" (1.1mm), .055" (1.4mm), .063" (1.6mm), .072" (1.8mm), .081" (2.1mm), .092" (2.3mm), .108" (2.7mm), .120" (3mm), .127" (3.2mm), .143" (3.6mm), .185" (4.7mm).

#100-004-430 Pee Dee Thread Wire Set, 1C31B71 ..... \$ 45.99



## STARRETT #134 CROSS-TEST LEVEL

Great For Drilling, Milling, Sight & Surface Plate Work



Has two vials at right angles for cross-test leveling without moving the tool, plus, a plumb level at the top for checking squareness. An accurate, well-made and reliable tool. It is ideal for setting up machinery and doing sight work.

A perfect pocket tool.  
SPECS: 2" (5.1cm) x 3" (7.6cm) x 1/2" (5.1mm) thick. Weighs 3 oz. (85 g). Satin chrome.

#827-505-690 Cross-Test Level, 7B54J46 ..... \$ 55.99

## STARRETT ANGLE METER

For Precise Measurements Of Pitch Or Slope

High-impact polymer angle meter is ideal for leveling, setting and verifying the proper angle on milling decks, drill press vises, surface grinders, and stock duplicators. Features a large, easy-to-see scale for accurate measurements from 0 to 90 degrees in any quadrant, plus a built-in magnetic base for hands-free operation on metallic objects. Measures any angle for pitch or slope and includes an easy-to-read table for converting rise and run information.

SPECS: Polymer with magnetic base. 4 1/4" (10.8cm) long, 3/8" (1.6cm) wide, 5" (12.7cm) high. Measures to 1/2 degree.

#827-000-003 Angle Meter, 7B12I24 ..... \$ 17.99



## BROWNELLS CROWN SAVER™ LATHE CENTER COVER

Your Safeguard When Turning Barrels With Finished Crowns



These brass cones take much of the anxiety out of lathe-turning a perfectly good barrel with an already finished crown. Insert a Crown Saver between the muzzle and lathe or mill center before fluting, chambering, polishing, or threading for a muzzle brake, and you can rest assured you won't harm the rifling or ding the crown. Each brass cone is machined to within .0002" or less concentricity, making using a Crown Saver as accurate as direct barrel contact against the center. With a Crown Saver, you virtually eliminate any chance of swaging the rifling. It stays seated and will not spin in the bore when the barrel is chucked in the lathe. Small fits bores .17 to .45 caliber. Large fits bores up to .50 caliber. For best results, do not use Crown Saver more than once on barrels of the same caliber.

SPECS: 360 brass. Maximum diameter: Small - .500". Large - .750".  
#080-000-379 Small Crown Saver, 10-pak, 8K26H61 ..... \$ 29.99

#080-000-869 Large Crown Saver, 3-pak, 8K17D99 ..... 19.99

## MANSON PRECISION REAMERS FLOATING REAMER HOLDER

Keeps Reamer Aligned To Barrel For Accurate Chambers



Allows the reamer to remain parallel with the bore, while compensating for up to .030" of misalignment or wear between tailstock and chuck. Wide bearing surface, plus hardened and ground components give smooth movement with no cam-to-center lockup. Low mass, aluminum head lets the tool quickly respond to the slightest out of roundness. Hardened steel bushing eliminates wear in the reamer socket. Features interchangeable shanks; holder is reamed to accept shank with #2 Jacobs taper. Furnished with 1/2" diameter straight shank.

SPECS: Steel and aluminum. Holder - 1 1/4" (4.5cm) diameter, 2 1/2" (6.4cm) long. Shanks - approx. 4" (10.2cm) long.  
#513-054-001 Reamer Holder w/Straight Shank, 3A130N00 ..... \$ 130.00

#513-054-002 #2 Morse Taper Shank, 3A25B00 ..... 25.00

#513-054-038 #3 Morse Taper Shank, 3A00HNN ..... 25.00

Orders: 800-741-0015

order on the web  
**brownells.com**

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## SAKO EXTRACTOR MILLING CUTTERS

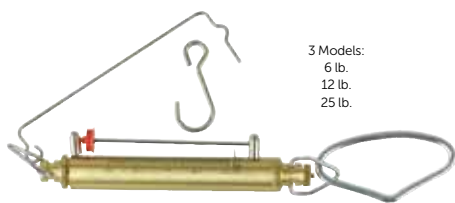


Helps You Install A Durable Sako Extractor On Your Remington Bolt

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

STOCK #	SLOT WIDTH	SIZE	PRICE
#317-000-005	.152"	3/32"	7A24D25 \$ 27.99
#317-000-006	.172"	1/16"	7A27J95 \$ 32.99
#317-000-007	.231"	3/64"	7A38C29 \$ 41.99

## ! RECORDING! TRIGGER PULL GAUGE



3 Models:  
6 lb.  
12 lb.  
25 lb.

Accurate, Positive Measurement Of Trigger Pull

This heavy-duty, solid brass, Recording Trigger Pull Gauge solves the problem of trying to be quick enough of eye to see where that little pointer on the gauge was when the trigger released. A "tally" is pushed along a rod by the pointer. When the trigger releases, the pointer flies back... but the "tally" stays put, giving positive reading. Has deeply embossed black numbers in pounds, ounces and grams. Zero adjustment. Precision spring. Extra long trigger hook to clear grips and stocks. Large hand loop. **6 lb.** measures to 6 lb. in 1 oz. increments. Especially useful for gun work as most scales/gauges measure only to 4 or 4 1/2 lbs. ... not enough to measure many triggers. Plus a second scale, the **12 lb.** with a 12 lb. capacity reading in 2 oz. increments. Ideal for measuring factory pull on double-action revolvers and other heavy triggers. **25 lb.** measures to 25 lbs. in 4 oz. increments. Some DA pulls even exceed the 12 lb. figure, hence this model. Also great as a way to weigh even the heaviest target or benchrest guns. **USA**

**SPECS:** 6 lb. (2.7 kg) and 12 lb. (5.4 kg), 8 1/2" (21.5cm) long, 5" (12.7cm) hook. 25 lb. (11 kg), 14" (35.5cm) hook.

#174-006-060	6 lb. Recording Pull Gauge, 8B134K17	\$ 145.99
#174-012-120	12 lb. Recording Pull Gauge, 8B141E67	160.99
#174-025-250	25 lb. Recording Pull Gauge, 8B148Q99	167.99

**BROWNELLS TRIGGER PULL HOOKS** - Replacement trigger hooks clear stocks and grips and prevent interference for an accurate trigger pull reading. Used with trigger scales.

#084-169-000	14" Hook, 8K8J80	\$ 9.99
#084-169-001	5" Hook, 8K9G78	10.99



## BIRCHWOOD CASEY TRIGGER SCALE

A Trigger Pull Gauge By Any Other Name... Is a Handy, Reliable, Economical Tool

Handy tool measures trigger pull weight from 0 to 11 lbs. in 4 oz. increments. Excellent for use on pistols, revolvers, rifles, and shotguns. Can be configured for right- or left-handed users. Rubber-overmolded handle protects the gun from scratches and other "oopses." An excellent tool to have on your workbench.



#100-048-011 Trigger Scale (Pull Gauge), 6B34G50... \$ 26.99

## LYMAN TRIGGER PULL GAUGE



Accurate, Mechanical Pull Gauge Is "Always On" - Never Need To Replace Batteries!

Lyman's mechanical trigger pull gauge is a simple, accurate and inexpensive tool for measuring the weight of your firearm's trigger pull. It measures pull weights from 0 to 12 lbs. in 2 oz. increments, with an indicator for marking the highest weight - very handy if the trigger pull is inconsistent. Features a rolling trigger shoe, "T" handle, and a zero-adjustment wheel. Constructed of tough machined aluminum and steel components to stand up to years of use. VERY useful to have around, even if you don't do a huge amount of trigger work. You're more likely to take on a job when you have the tools to do it right.

#539-000-204 Lyman Trigger Pull Gauge, 5K18125... \$ 19.99



## LYMAN ELECTRONIC TRIGGER PULL GAUGE

State-Of-The-Art Technology Gives Fast & Accurate Readings

Just place the hook on the trigger and pull. The large, easy to read LCD quickly displays the results. Strain gauge technology provides accuracy to 1/16 of an ounce from 1 oz. to 5 pounds and to 1/2 oz. from 5 to 12 pounds. Lets you take up to ten readings and display the average. Displays either English or Metric format.

**SPECS:** Plastic case. Steel hook, 5 1/2" (14.6cm) long, 11 1/2" (29.2cm) overall. 1 oz (28.35 g) to 12 pds. (5.4 kg) range. Includes ballistic nylon storage case.

#539-000-005 Electronic Trigger Pull Gge, 5K53K99... \$ 59.99



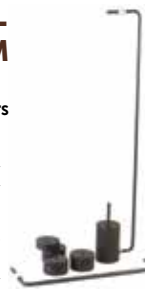
## NRA OFFICIAL UNIVERSAL TRIGGER WEIGHT SYSTEM

NRA Official Trigger Weights For Referees, Juries, Gun Shops & Shooters

Made to the exacting needs of match referees and international juries, and ideal for gunsmiths to ensure accurate trigger pull testing. Roller ends on both long and short hanging rods automatically keep the weight in the trigger curve. Base with either rod weighs 500 grams. Adding a 1 lb. weight to Base and "Add-On" gives 1360 grams for international rules. **USA**

**SPECS:** 2" diameter. Short Rod, 12" long. Long Rod, 21" long. Blued steel. Full System includes: Long and Short Rods; Base Weight; 2, 500 g Weights; "Add-On" Weight; (2), 1 lb. (454 g) Weights; (1), 1/2 lb. (226 g) Weight.

#678-650-000 Universal Trigger Wts., 8G116F12... \$ 155.99



## ARMORER'S/SHOP TRIGGER WEIGHT SET

Accurately Checks Single- & Double-Action Trigger Pulls From 2 lbs. to 17 3/4 lbs.

Simple, add-on weight system measures pull on all types of triggers, handguns, rifles and shotguns. Weights stack and thread into 2 lb. base weight and measure from 2 lb. to 17 3/4 lb. in 1/4 lb. increments. **USA**  
**SPECS:** Blued steel. 2" diameter weights, 1" long rod. Set includes: (1) 1/4 lb., (1) 1/2 lb., (2) 1 lb., (1) 3 lb. and (2) 5 lb. weights; (1) 2 lb. base weight.

#678-017-000 Armorer's Trigger Wts., 8G191L20... \$ 265.99

## OFFICIAL 4 3/4 LB. TRIGGER WEIGHT SET

1/4 lb. Increments For Referees, Gunsmiths

Approved by NRA because of their consistent, never varying readings in 1/4 lb. (4 oz.) increments. Ideal for match referees and gunsmiths tuning triggers for match shooters. The roller on the trigger hook guarantees weight will always be on the center of the trigger curve, ensuring repeatable readings. Optional 24" Long Trigger Weight Rod adapts the set for use with rifles or full stocked handguns and adds 1/4 lb. (4 oz.) to base weight. **USA**

**SPECS:** 2" (5cm) diameter weights, 5" (12.7cm) long hook, 11 1/2" (29.2cm) long overall. Blued steel. Optional Long Trigger Wt. Rod; 24" (61cm) lg., 1/4 lb. (113kg) wt. Set includes: 2 lb. (907 g) base w/hook; (2), 1 lb. (454 g) weights; (1), 1/2 lb. (227 g) weight; (1), 1/4 lb. (113 g) weight.

#678-434-001 Long Trigger Weight Rod, 8G28H83... \$ 37.99

#678-434-000 4 3/4 lb. Trigger Weight Set, 8G83H71... 112.99



## LONGRIFLES AR-15/AR-308/RUGER® RPR BARREL WRENCH

Helps You Quickly Remove/Install a Barrel, Without Risk of Damage



This wrench aids you in fast, reliable, safe removal/installation of an AR-pattern rifle's barrel nut. It eliminates the headaches of sheared-off pins, damaged barrel nuts, failed wrenches, and blood loss from the operator (namely, YOU). The LongRifles wrench provides secure, non-slip 360-degree contact with the barrel nut - no way this wrench is gonna slip off! A pinch bolt gently cinches the wrench head to the barrel nut, eliminating offset loads that lead to slippage and damage to the barrel or its finish. Fits the standard AR-15 barrel nut as well as DPMs LR-308 (and clones) and the Ruger Precision Rifle®. There's a 1/2" drive socket for use with standard torque wrench or breaker bar, and you can use a 3/4" six-sided drive, too. Machined from billet steel - NOT A CASTING, so far less risk of a hidden flaw or void in the metal leading to wrench breakage. Smooth tool contours reduce wear and tear to gun parts and your hands. Tough corrosion-resistant Parkerized finish. This is one beast of a barrel nut wrench! **Brownells Gun Tech™ Tip:** The LongRifles Action Wrench requires a little math to use. Torque wrenches are calibrated to the centerline of the square drive. This tool is offset, so its torque values have to be recalculated to ensure the desired amount is actually applied to the fastener. There are a number of Internet tools to help you do this, including this one: [www.cncexpo.com/TorqueAdapter.aspx](http://www.cncexpo.com/TorqueAdapter.aspx) **USA**

#100-025-312 LongRifles Barrel Wrench, 7B90P70... \$ 95.99

## WHEELER ENGINEERING SAVAGE 10/110 BARREL NUT WRENCH SET

Correct Fit & Plenty of Torque for Fast Barrel Swaps



The Savage 10/110 series of rifles is known for three things: (1) being surprisingly accurate for a (2) "budget" rifle and having (3) a barrel that's quite easy for the non-gunsmith to swap himself. As a result, these rifles have become quite popular as the foundation for custom target rifles. A 10/110 with a good target barrel can deliver darned tight groups. The barrel may be much easier to change than those of most other bolt rifles, but it still requires a properly configured wrench such as these wrenches from Wheeler Engineering. One wrench is for notched barrel nuts, the other for smooth nuts, and they fit ALL generations of 10/110 and 12 series rifles with both short and long actions. The notched wrench is about 11 3/4" long, and the tension-adjustable smooth wrench is 7.5" long. Both are made of hardened 3/16" thick steel, with a matte black oxide finish, and have 1/2" square drive holes for a breaker bar or torque wrench so you can get the leverage you need to do a proper job.

#100-024-575 Savage 10/110 Barrel Wrench Set, 7A24B57... \$ 28.35

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# BROWNELLS BARREL VISE

Large Surface Area Gives Tremendous Power; Clamps & Holds The Tightest Barrels



To complement our "Ring-Of-Steel" Action Wrench System, we've developed the only professional-quality Barrel Vise that will positively clamp and keep even the tightest barrel from turning during removal. Machined from solid steel for durability to service the barrel installation and removal needs of any gunsmith for years and years. Our exclusive four bolt system and extra-wide design generates so much holding force, the **Brownells Barrel Vise** must be firmly bolted to the stoutest bench or an immovable base to realize its full potential. Split barrel bushings come in a variety of sizes to fit many popular barrels (and some not-so-common ones) to make this universal **Barrel Vise** system the very first choice of professional gunsmiths. **Steel Bushings** provide years of service and have the necessary clamping power to break loose the tightest barrels. **Aluminum Bushings** also give a strong hold without risk of marring your barrel.

**SPECS: Blocks** - Steel, blued. **Top Block** - 4 1/2" (11.4cm) x 3" (7.6cm) x 1 1/2" (3.8cm). **Bottom Block** - 7" (17.7cm) x 3" (7.6cm) x 1 1/2" (2.8cm). Includes 4 1/2"-20 x 2" Allen head bolts. Bottom block is drilled and countersunk for 1/2" diameter mounting bolts. **Bushings** - C.R.S. Steel, blue finish or 6160 aluminum, natural finish. All bushings 3" long, 1 1/4" diameter. **#4, 7, 8, 9, 10 and 11** are in a range of I.D.'s to closely match the shank diameters of most rifle barrels. **#5** fits military Mauser 98 barrels. **#6** is tapered to fit Remington factory .30-06 Sporter and other similar profile barrels. **#12 & 13** are a special machined set of bushings for standard and heavy M14/M1A/M1 Garand barrels. **#15** is for the FN FAL barrel. **#16** is an aluminum bushing for 7/8" octagonal barrels. **Steel and Aluminum Barrel Vise Sets** come complete with the four 1/2"-20 tpi x 2" Allen head bolts, hex wrench, and bushings **#4, #6, #7, #8, #9, #10 and #11.** (Bushings #5, 12, 13, 14, 15 and 16 must be purchased separately).

- #080-860-107 Steel Barrel Vise Set, 8K302E14. . . . . \$ 354.99**
- #080-860-307 Aluminum Barrel Vise Set, 8K210P50. . . . . 334.99**

**ALLEN HEAD BOLT KIT** - 1/2" -20 tpi x 2" long. Used to hold Top and Bottom Blocks together. Kit includes four bolts and the correct, 3/8" Allen wrench for these bolts.

- #080-800-902 Allen Bolt Kit, 8K5H99. . . . . \$ 6.99**

**WISE ONLY** - Same vise as sold above but by itself; just the top and bottom blocks and the four bolts that hold the halves together. Bushings **NOT** included.

- #080-860-900 Barrel Vise, only, does not include bushing, 8K110N58. . . . . \$ 119.99**

STK# VISE WITH 1 STEEL BUSHING	STK# STEEL BUSHING ONLY	BUSHING NO.	I.D.
#080-860-004 8K101E82 \$ 159.99	#080-861-004 8K32L48 \$ 39.99	#4	1.170"
#080-860-005 8K99C86 \$ 149.99	#080-861-005 8K25M32 \$ 29.99	#5	Mil. Mauser 98
#080-860-006 8K101J82 \$ 154.99	#080-861-006 8K29H46 \$ 34.99	#6	Rem. .30-06
#080-860-007 8K101J85 \$ 149.99	#080-861-007 8K19F52 \$ 29.99	#7	1.150"
#080-860-008 8K101P82 \$ 149.99	#080-861-008 8K19D48 \$ 29.99	#8	1.175"
#080-860-009 8K99J51 \$ 149.99	#080-861-009 8K25Q38 \$ 29.99	#9	1.200"
#080-860-010 8K100P50 \$ 154.99	#080-861-010 8K28N80 \$ 34.99	#10	1.225"
#080-860-011 8K100P50 \$ 154.99	#080-861-011 8K28D80 \$ 34.99	#11	1.250"
#080-860-012 8K109H38 \$ 169.99	#080-861-012 8K41H86 \$ 49.99	#12 & 13	M14/Garand
#080-860-013 8K102K11 \$ 154.99	#080-861-013 8K29Q21 \$ 34.99	#14	M1 Carbine
#080-860-014 8K99M51 \$ 149.99	#080-861-014 8K25F38 \$ 29.99	#15	FN FAL

STK# VISE WITH 1 ALUMINUM BUSHING	STK# ALUMINUM BUSHING ONLY	BUSHING NO.	I.D.
#080-860-204 8K99E51 \$ 154.99	#080-861-204 8K28D63 \$ 34.99	#4	1.170"
#080-860-205 8K99K15 \$ 149.99	#080-861-205 8K25A99 \$ 29.99	#5	Mil. Mauser 98
#080-860-206 8K100Q50 \$ 149.99	#080-861-206 8K25E67 \$ 29.99	#6	Rem. .30-06
#080-860-207 8K101J82 \$ 149.99	#080-861-207 8K19H48 \$ 29.99	#7	1.150"
#080-860-208 8K99F51 \$ 149.99	#080-861-208 8K25J38 \$ 29.99	#8	1.175"
#080-860-209 8K101C82 \$ 149.99	#080-861-209 8K19M48 \$ 29.99	#9	1.200"
#080-860-210 8K99B51 \$ 149.99	#080-861-210 8K25L38 \$ 29.99	#10	1.225"
#080-860-211 8K101L82 \$ 149.99	#080-861-211 8K19E48 \$ 29.99	#11	1.250"
#080-860-212 8K154B03 \$ 179.99	#080-861-212 8K48E16 \$ 59.99	#12 & 13	M14/Garand
#080-860-213 8K102F87 \$ 159.99	#080-861-213 8K33D36 \$ 39.99	#14	M1 Carbine
#080-860-015 8K100P14 \$ 149.99	#080-861-015 8K25G72 \$ 29.99	#15	FN FAL
#080-860-016 8K117P59 \$ 184.99	#080-861-016 8K55E99 \$ 64.99	#16	3/4" Octagon Bbl

**SOLID BUSHINGS** - Solid bushings that have NOT been split so you can alter them as you want.

STK# STEEL SOLID BUSHING	TK# ALUM. SOLID BUSHING	BUSHING NO.	DIAMETER
NA -	#080-861-201 8K16D96 \$ 19.99	No. 1	1/2" (12.7mm)
#080-861-002 8K16N10 \$ 19.99	#080-861-202 8K13F79 \$ 19.99	No. 2	3/4" (19mm)
NA -	#080-861-203 8K13I79 \$ 19.99	No. 3	1" (25.4mm)

**QUESTIONS BEFORE YOU BUY — Ask Our Full-Time Tech Staff**

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**NEW!**

# SHORT ACTION CUSTOMS BARREL VISES

Stop Sending Rifles Away for Rebarreling! Instead, Use One of These Precise, Granite-Steady Vises With No Vices

Stop sending rifles away for rebarreling, and instead change your own rifle barrels wherever and whenever you want with a SAC barrel vise. These vises use interchangeable bushings to accommodate barrels of different outside diameters. More good news: you tighten just ONE bolt to lock the barrel securely in the vise. The vise halves and mounting base are made of strong, yet non-marring 7075 aluminum, and the connecting bolts, screws, and nuts, are of hardened steel.



### MODULAR BARREL VISE

- Employs an innovative hinge lock bolt system that enables you to quickly separate the barrel from the rifle's action with unparalleled ease and repeatability. The tool's ARCA mounting base can be secured easily to a bench top, milling machine table, or a custom mounting platform like a 2" square tube for a truck's trailer hitch. The vise provides excellent gripping strength on the barrel with the included, properly sized, bushings that are designed NOT to mar the barrel. You tighten only ONE torque bolt to lock the barrel in the vise - that has got to be the fastest lock up on any barrel vise! Much of the vise, including the upper and lower halves, is made of exceptionally strong 7075 aluminum alloy; connecting links are two black oxide finished, precision-ground steel pins, with Grade 8 1/2"-20 tpi cap screws (1/8" hex heads) and Grade 8 washers holding it all together. The mounting base has two 1/4"-20 tpi screws. **Included bushings** fit barrels with the following ODs: .865"-.870", .925"-.930", 1.000", 1.200" and 1.250". Even comes with a handy aluminum stand to hold the bushings. Other items you'll need to use the vise (but not included with it) are an appropriate action wrench to fit your gun's action and a torque wrench or breaker bar to apply torque.

- #100-050-104 Modular Barrel Vise, 7A00NKF. . . . . \$ 400.00**

### BRAVO BARREL VISE

- Based on the same bushing design as the Modular Barrel Vise, the simpler Bravo has a simple two-bolt design to clamp the top and bottom halves of the vise together. This clamping system greatly reduces the amount of machining time, materials, and complexity of the Bravo compared to the MBV, thereby making it very attractively priced for folks who change barrels less often. The Bravo uses the same barrel bushings as the MBV, so with the appropriate bushing and the supplied non-adhesive drywall tape, you can clamp it securely onto finished or painted barrels without leaving any marks. **Included bushings** fit barrels with the following ODs: .865"-.870", .925"-.930", 1.000", 1.200" and 1.250". Does not come with the bushing stand; did we mention it costs less? Vise halves are made from high-strength 7075 aluminum alloy machined to an impressive fit and finish. Includes all the necessary steel bolts, washers, and nuts. Use the supplied cap head screws to secure the vise top and bottom together, or get some hex bolts, insert them from the bottom, and use the washers and nuts on the top. Either way, you end up with a rock-steady barrel vise that'll let you swap barrels on your own workbench.

- #100-050-103 Bravo Barrel Vise, 7A00MJR. . . . . \$ 275.00**



# FARRELL INDUSTRIES BARREL VISE

Gentle Jaws Hold Virtually Any Barrel

Strong, precision-machined, aluminum barrel vise accepts and clamps your barrel tightly without special jaws. Heat treated nuts easily screw down onto stressproof bolts, compressing the v-shaped, aluminum vise jaws against your barrel. Compact design uses a small amount of bench space.



**SPECS:** Block - Aluminum, anodized, natural finish. Top Block - 2" (5.1cm) wide, 6" (15.2cm) long, 1" (2.54cm) thick. Bottom Block - 2" (5.1cm) wide, 8" (20.3cm) long, 1" (2.54cm) thick. Jaws - 1 1/2" (3.8cm) wide, 4 1/4" (10.8cm) long, 1 1/2" (3.8cm) thick.

- #100-000-910 Farrell Barrel Vise, 8K00CQG. . . . . \$ 234.99**

# VIPER BENCH REST BARREL VISE



Simple, Strong, Secure Vise That Grabs A Barrel Like the Dickens!

Here's a simple yet effective barrel vise that will accept any barrel with an O.D. between 3/4" to 1" O.D. and will withstand up to 70 ft. lb. of torquing force on the barrel. Four hardened studs with support springs keep the top plate in place

and away from the barrel until you are ready to secure it. Support springs also allow the plate to tilt and make full contact on contoured barrels. Gripping surfaces have a special non-slip powder coating that holds better than rosin and won't mar the barrel's finish. The 1" thick base is extremely rigid and stable, providing plenty of strength for mounting the vise to a work bench. **SPECS:** 6061 T6 aluminum. Base - 7" (17.8cm) long x 3" (7.6cm) wide x 1" (2.5cm) thick. 5/8" (14.6cm) c-t-c hole spacing for mounting. Holds barrels with 3/4" (1.9cm) to 1" (2.5cm) O.D.

- #100-013-367 Barrel Vise, 6A65H58. . . . . \$ 75.99**

# BROWNELLS BARREL VISE BUSHING MOLDING KIT

Molds Form-Fit Bushings That Won't Mar The Metal



Convenient, easy-to-use kit allows the gunsmith to cast perfectly fitted, barrel vise bushings for hard-to-match barrel contours and sizes. Machined, aluminum block accepts barrels up to 1 1/4" in diameter. Brownells Steel Bed™ forms super-strength, precision-fit bushings that hold extra tight without scratching or marring the metal surface. Finished bushings fit Brownells Barrel Vise and Universal Clamping Block. Instructions included.

**SPECS: Block** - Aluminum. 3" (7.6cm) long, 3 1/2" (8.8cm) wide, 2 1/4" (5.7cm) high, 1 1/2" (4.4cm) bore. Accepts barrels up to 1 1/4" diameter. **Steel Bed** - 1 1/2 fl. oz. (44ml) resin, 1 1/2 fl. oz. hardener, 1/8 fl. oz. (26ml) release agent, measuring spoon, mixing dish, (2) mixing sticks, brown and black dye paks, and (2) release agent applicators.

- #080-000-294 Barrel Bushing Molding Kit, 8K89D99. . . \$ 89.99**
- #080-861-100 Bushing Molding Block, 8K70B63. . . . . 79.99**
- #081-040-003 2-Gun Steel Bed Kit, 1H44Q99. . . . . 50.99**

**NEW!**

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GENERAL GUNSMITH TOOLS

BARREL VISES



**WHEELER ENGINEERING  
ECONOMY BARREL VISE**



For the DIY Gun Mechanic Who Occasionally Changes Barrels

This simple vise uses one of the oldest, least "exotic" materials for the bushings that provide a nicely secure, non-slip hold on the barrel: wood. Oak, to be specific. The wood flexes just a bit, so it squeezes tightly around the barrel, yet of course won't mar bluing, Parkerizing, or other finishes. With its sturdy steel frame and meaty steel crossbolts holding the top and bottom plates together, this vise provides plenty of holding force to securely clamp your barrel for removal or reinstallation. Comes with two oak blocks pre-drilled for 3/4" and 1" O.D. barrels, plus one solid block you can drill out yourself to fit another barrel size. Elegantly simple, yet very effective.

#100-042-067 Wheeler Barrel Vise, 6B34G50 . . . . . \$ 80.99

**BROWNELLS STEEL BED™  
STAINLESS STEEL-FILLED EPOXY,  
RIFLE-BEDDING COMPOUND**

WON'T Compress, Crumble Or "Sugar" Under Heaviest Semi-Automatic Or Magnum Recoil Impact



STEEL BED is simply the most-advanced, toughest-ever bedding and stabilizing, steel-bearing, epoxy compound for wood and fiberglass gun stocks. Designed specifically for GUNS, to give the incredible impact resistance that's possible only by surrounding the action with a layer of solid, never-rust stainless steel and the skin-tight, epoxy-matrix fit so vital for superb accuracy. Through a unique blending process, there's actually more stainless steel (by weight) than epoxy in STEEL BED - 2 1/2 times more steel than in competitive products. STEEL BED shrinks less than 1/10 of 1% and won't compress, crumble or "sugar" under the most punishing magnum or semiauto recoil. Because of the extremely high stainless steel content, it's tough to dye STEEL BED to match wood tones but, our latest dyes are so powerful that you can get a useable brown color for wood stocks and a very good black for synthetics. Besides being incredibly strong and tough, it's very easy to use. The mixing ratio is a simple, 1-part Resin to 1-part Hardener, by volume, and the creamy, no-run texture means STEEL BED will stay where it's put.

**SPECS:** Kit Contains: (1) 1 1/2 fl. oz. (44 ml) net contents jar Resin; (1) 1/2 fl. oz. (44 ml) net contents jar Hardener; (1) 1/8 oz. (26 ml) net contents jar ACRA-RELEASE™ Release Agent; (1) Measuring Spoon, (1) re-useable Poly Mixing Dish, (2) Mixing Sticks (1) Brown Dye Pak, (1) Black Dye Pak and (2) Release Agent Applicators; Instructions.

#081-040-003 2-Gun Steel Bed Kit, 1H44OQ99 . . . . . \$ 50.99

**CLYMER  
"MATCH" CHAMBER REAMER**



Ream Tighter Chambers For .22 LR & .308 Match Ammo

**"MATCH" .22 LR FINISH REAMER** - Made to SAAMI match specs for Bolt Action guns using only true, MATCH ammo. **SPECS:** M-7 tool steel. Finish reamer only. 1/4" dia. round shank.

#184-050-015 "Match" .22 Reamer, 4H75J11 . . . . . \$ 75.11

**.22 LR "BENTZ" SEMI-AUTO MATCH REAMER** - Ensures reliable chambering of true, MATCH ammo in semi-auto guns. **SPECS:** M-7 tool steel. Finish reamer only. 1/4" dia. round shank.

#184-050-016 "Bentz" .22 Reamer, 4H75J27 . . . . . \$ 75.27

**.308 MATCH REAMER** - For military M-852 match ammo (168 gr. bullets, M14 length); or any load using Sierra 168 gr. boattail. **SPECS:** High speed steel, finish reamer only.

#184-050-402 .308 Match Reamer, 4H105M34 . . . . . \$ 105.34

**CLYMER  
PULL THROUGH CHAMBER REAMERS**



Create Super-Accurate Minimum Headspace Chambers On .30 Caliber Match Rifles

The same special reamers military armorers have long used to cut minimum length chambers on match rifles, giving their shooters the accuracy advantage. The gun's own bolt applies pressure to the reamer while reamer is turned from the muzzle end. When the bolt "drops", the chamber is cut. New, improved design cuts the shoulder, neck and throat to prevent neck crimping of the ammo. Use as a finish reamer ONLY. Cut chamber with conventional finish reamer first.

**SPECS:** Complete set includes: Pull Through (P/T) Reamer, Thrust Bushing and Extension Shaft. Shaft - 24" (60cm) long, 3/8" (6.3mm) diameter, round shank. Use #184-054-653 Throater/.22 T-Handle to drive shaft. Reamers work on bolt action or semi-auto rifles.

#184-300-308 .308 P/T Reamer, complete set, 4H190C43 . . . . . \$ 190.43

#184-300-306 .30-06 P/T Reamer, complete set, 4H190J44 . . . . . 190.44

#184-300-309 .308 P/T Reamer, only, 4H160J00 . . . . . 160.00

#184-300-307 .30-06 P/T Reamer, only, 4H160A00 . . . . . 160.00

#184-300-310 Thrust Bushing, only, 4H15C00 . . . . . 15.00

#184-300-311 Extension Shaft, only, 4H30N47 . . . . . 30.47

**NOTES ON CHAMBERING**

Some folks are barreling up old Mausers and Enfields for cartridges that are far too hot! For our pre-threaded, short chambered barrels, we have looked at each action and compared the new chambering with the cartridge for which the rifle was originally chambered. If the new cartridge, in a standard SAAMI-spec factory load, generates greater chamber pressures, we will not make the chambering - period.

We urge anyone planning a conversion where recutting or modification of the original chamber is required, to CAREFULLY check the SAAMI specs for both ammunition and chamber and make a Cerrosafe™ casting of the chamber. Just as you always "look before you leap", you MUST measure, study and know exactly what is going to happen BEFORE you start cutting with the reamer. Our rule of thumb is very simple but it has kept us out of a lot of hot water:

**IF IN DOUBT, DON'T!** Prevent potential problems by being cautious and conservative.

**MANSON PRECISION REAMERS  
CHAMBERING & THROATING REAMERS**



Outstanding Quality Reamers By Dave Manson Help You Produce Accurate Chambers

Engineered and ground by one of the most respected names in firearms reamers, Dave Manson. Superb quality reamers made to SAAMI specifications, ground from M7 steel to cut precise chambers capable of outstanding accuracy. Finish Chambering Reamers feature integral throater and solid, fixed pilots. Throating Reamers let you customize a chambering job for non-standard bullets or additional freebore length. Available as finish reamers unless listed otherwise.

**SPECS:** M7 high speed steel, in-the-white. Solid pilot, six straight flutes, right-hand cut. Rimfire reamers have 1/4" (6.3mm) diameter round shank. Centerfire reamers have 1/8" (9.5mm) square drive shank. .50 BMG has a 1/2" round shank. Pistol reamers available with barrel pilot diameter for semi-auto and single shot pistols. .38 Super Nonte headspaces on case mouth.

STOCK #	CALIBER	PRICE
<b>RIMFIRE CARTRIDGES</b>		
#513-050-014	.17 HM2 Finish, Standard	3A80Q00 \$ 80.00
#513-050-017	.17 HM2 Finish for Redman Barrel Liners	3A80D00 \$ 80.00
#513-050-001	.17 HMR Finish	3A80P00 \$ 80.00
#513-050-012	.17 HMR Finish, Redman w/.166" pilot for Redman Barrel Liners	3A80C00 \$ 80.00
#513-050-010	.22 Long Rifle Finish (Bbl)	3A50I00 \$ 50.00
#513-051-220	.22 Long Rifle Finish (Cyl)	3A50A00 \$ 50.00
#513-050-011	.22 Long Rifle Rougher	3A50D00 \$ 50.00
#513-050-015	.22 Long Rifle Match	3A50I00 \$ 50.00
#513-050-016	.22 Long Rifle Bentz	3A50D00 \$ 50.00
#513-050-020	.22 Win. RFM Finish	3A50I00 \$ 50.00
#513-050-021	.22 Win. RFM Rougher	3A50J00 \$ 50.00
<b>RIMLESS RIFLE CARTRIDGES</b>		
#513-000-083	.17 Remington Fireball	3A130H00 \$ 130.00
#513-050-005	.17 Remington	3A130M00 \$ 130.00
#513-000-067	.204 Ruger	3A105B00 \$ 105.00
#513-000-096	5.45 x 39mm	3A130I00 \$ 130.00
#513-050-080	.220 Swift	3A105F00 \$ 105.00
#513-050-090	.221 Fireball	3A105F00 \$ 105.00
#513-050-100	.222 Remington	3A105F00 \$ 105.00
#513-050-120	.223 Remington	3A105Q00 \$ 105.00
#513-050-223	.223 Rem. Ackley Imp.	3A105H00 \$ 105.00
#513-050-007	.223 WSSM Finisher	3A105D00 \$ 105.00
#513-050-130	.22/250	3A105E00 \$ 105.00
#513-050-035	.22/250 Ackley Imp.	3A105E00 \$ 105.00
#513-050-150	.243 Winchester	3A105G00 \$ 105.00
#513-050-170	6mm/.244 Remington	3A105J00 \$ 105.00
#513-050-220	25-06 Remington	3A105P00 \$ 105.00
#513-050-225	25-06 Rem. Ackley Imp.	3A105K00 \$ 105.00
#513-050-200	.257 Roberts	3A105K00 \$ 105.00
#513-050-210	.257 Roberts Ackley Imp.	3A105F00 \$ 105.00
#513-050-230	6.5 x 55mm	3A105L00 \$ 105.00
#513-050-240	6.5-06	3A105I00 \$ 105.00
#513-050-023	6.8 SPC	3A130J00 \$ 130.00
#513-050-215	.260 Remington	3A105N00 \$ 105.00
#513-050-270	.270 Winchester	3A105P00 \$ 105.00
#513-050-002	.270 Win. Short Magnum	3A130Q00 \$ 130.00
#513-050-280	7 x 57mm	3A105E00 \$ 105.00
#513-050-265	7 x 57mm Ackley Imp.t	3A105D00 \$ 105.00
<b>RIMLESS RIFLE REAMERS</b>		
#513-050-295	.280 Rem. Ackley Imp.	3A105J00 \$ 105.00
#513-050-275	7.62 x 39mm	3A105M00 \$ 105.00
#513-050-320	.30 M-1 Carbine Finish	3A105D00 \$ 105.00
#513-050-321	.30 M-1 Carbine Rougher	3A105Q00 \$ 105.00
#513-050-402	.308 Winchester Match	3A130C00 \$ 130.00
#513-050-400	.308 Winchester	3A105K00 \$ 105.00
#513-050-401	.308 Winchester	3A105B00 \$ 105.00
#513-050-390	.30-06 Springfield Finish	3A105A00 \$ 105.00
#513-050-391	.30-06 Springfield Rougher	3A105H00 \$ 105.00
#513-050-395	.30-06 Sprg Ackley Imp.	3A105Q00 \$ 105.00
#513-050-314	.300 Remington Ultra Mag	3A105M00 \$ 105.00
#513-050-316	.300 Win. Short Magnum	3A105E00 \$ 105.00
#513-050-440	8 x 57mm	3A105K00 \$ 105.00
#513-000-084	.338 Federal	3A130Q00 \$ 130.00
#513-000-103	.338 Lapua Finish	3A130Q00 \$ 130.00
#513-000-080	.338-06 (same as .338-06 A-Square)	3A105P00 \$ 105.00
#513-050-510	.35 Whelen	3A105G00 \$ 105.00
#513-050-355	.35 Whelen Ackley Imp. Finish	3A105G00 \$ 105.00
#513-000-111	9.3x62mm Finish Reamer	3A00LPL \$ 130.00
#513-050-512	.50 BMG	3A175P00 \$ 175.00
<b>BELTED CARTRIDGE</b>		
#513-050-520	.257 Weatherby Mag.	3A135B00 \$ 135.00
#513-050-290	7mm Remington Mag.	3A115E00 \$ 115.00
#513-050-560	.300 Weatherby Mag.	3A135C00 \$ 135.00
#513-050-380	.300 Winchester Mag.	3A115Q00 \$ 115.00
#513-050-460	.338 Winchester Mag.	3A115M00 \$ 115.00
<b>RIMMED RIFLE CARTRIDGES</b>		
#513-050-030	.22 Hornet	3A115K00 \$ 115.00
#513-050-040	.22 K-Hornet	3A115I00 \$ 115.00
#513-000-085	25-20 WCF	3A115P30 \$ 115.30
#513-051-322	.32-20 (Bbl)	3A115P00 \$ 115.00
#513-051-754	7.62 x 54R	3A115N00 \$ 115.00
#513-050-340	444 Marlin	3A115A00 \$ 115.00
#513-050-490	45-70 Government	3A115K00 \$ 115.00
<b>RIMLESS PISTOL CARTRIDGES</b>		
#513-051-901	9mm Luger	3A75G00 \$ 75.00
#513-051-923	9 x 23 mm	3A75J00 \$ 75.00
#513-051-385	.357 SIG	3A75A00 \$ 75.00
#513-051-400	40 S&W	3A75A00 \$ 75.00
#513-051-451	45 ACP	3A75M00 \$ 75.00
<b>RIMMED PISTOL CARTRIDGES</b>		
#513-051-383	.38 Super Nonte	3A85G00 \$ 85.00
#513-000-055	.38-40 WCF (Bbl)	3A130L00 \$ 130.00
#513-051-351	.357 Magnum (Bbl)	3A85H00 \$ 85.00
#513-051-455	45 Colt (Cyl)	3A85D00 \$ 85.00
<b>THROATING REAMERS</b>		
#513-053-220	.22 CF/.218"	3A50M00 \$ 50.00
#513-053-250	.25/.2490"	3A50M00 \$ 50.00
#513-053-600	6mm/.2365"	3A50P00 \$ 50.00
#513-053-700	7mm/.2755"	3A50Q00 \$ 50.00
#513-053-300	.30/.2990"	3A50G00 \$ 50.00
#513-053-450	.45 Rifle/.449"	3A50E00 \$ 50.00
#513-053-441	.45 ACP/.4415"	3A50G00 \$ 50.00

**GUARANTEED. FOREVER.®  
SINCE 1939**



## CLYMER CHAMBERING REAMERS



**Finest Workmanship & Quality;  
Made In USA From M-7 High Speed Steel**

Made from best quality, M-7 High-Speed Steel. These are precision tools for the professional gunsmith. Fully guaranteed. Roughers are .010" smaller in diameter than the final size, do not cut the throat area and should be used to save wear on the Finish Reamer when many chambers are to be cut. If only a few chambers will be cut, a Finish Reamer is all you need.

**SPECS: RIFLE REAMERS** - 6, right-hand cutting, straight flutes. Solid pilot, integral throat. 1/16" round shank with 1/8" square drive. 1/4" round shank on .22 RF. **PISTOL REAMERS** - 6, right-hand cutting, straight flutes. Solid pilot. Integral throat. Available in two different pilot diameters: **Barrel** for Single Shot or Semi-Auto pistol and rifle barrels; **Cylinder** for Revolver cylinders. 1/4" dia. shank with 1/8" square drive, depending on caliber. 1/4" round shank on .22 RF. Stocked in Finisher style only. **SHOTGUN REAMERS** - 6 or 8, 8" left-hand, spiral flutes, or straight flutes (indicated by \* in table). 1" long removable bushing. 1/2" square shank, uses standard socket set extension (except .410 which uses Clymer rifle extensions). Stocked in Finishers only. **THROATERS** - 5, left-hand, spiral flutes. .002" larger than bullet diameter. 2-1/2" throat angle. Used to lengthen throat to increase freebore. 1/4" diameter round shank.

**ORDERING:** Advise: 1) Stock #. 2) Cartridge Caliber and Name. 3) Rougher or Finisher. If NA is in the Stock # column, it means that we do not stock the item, but it usually is in stock with Clymer. We will be happy to provide you a price on request (POR) and order it for you, but will require full payment in advance and the order will be non-cancelable and non-refundable. Anticipate 4-8 weeks delivery time. 4) Bushing Blank can be used only on 12, 16 and 20 ga. reamers.

#184-054-512 12" Rifle Ext., 4H35132 ..... \$ 35.32  
#184-054-650 Rifle T-Handle, 4H35131 ..... 35.31  
#184-054-653 Throater/22 T-Handle, 4H35P31 ..... 35.31

STK# FINISHER	STK# ROUGHER	FITS	PRICE
<b>RIMMED RIFLE CARTRIDGES</b>			
#184-050-007	NA	.17 HM2	4H145D30 \$ 145.30
#184-050-030	NA	.22 Hornet	4H115D27 \$ 115.27
#184-050-040	NA	.22K Hornet	4H115D33 \$ 115.33
#184-050-050	NA	.218 Bee	4H115Q36 \$ 115.36
#184-050-180	NA	.25/20 W.C.F.	4H115J12 \$ 115.12
#184-051-754	NA	7.62 x 54R	4H115B27 \$ 115.27
#184-050-330	NA	.30-30 W.C.F.	4H115I08 \$ 115.08
#184-050-420	NA	.30-40 Krag	4H115M27 \$ 115.27
#184-051-303	NA	.303 British	4H115F34 \$ 115.34
#184-050-332	NA	.32/40 Win.	4H115J30 \$ 115.30
#184-050-490	NA	.45-70 Govt.	4H115A33 \$ 115.33
<b>BELTED CARTRIDGES</b>			
#184-050-260	NA	.264 Win. Mag	4H115F09 \$ 115.09
#184-050-285	NA	7mm STW	4H115A14 \$ 115.14
#184-050-290	NA	7mm Rem. Mag	4H115P33 \$ 115.33
#184-050-380	NA	.300 Win. Mag	4H115F09 \$ 115.09
#184-050-370	NA	.300 H&H Mag	4H115H33 \$ 115.33
#184-050-460	NA	.338 Win. Mag	4H115H12 \$ 115.12
#184-050-470	NA	.375 H&H Mag	4H115A33 \$ 115.33
<b>RIMLESS PISTOL CARTRIDGES</b>			
#184-051-301	NA	.30 Luger Barrel	4H85E12 \$ 85.12
#184-051-901	NA	9mm Luger Barrel	4H00BYN \$ 75.33
#184-051-400	NA	.40 S&W Barrel	4H00QBD \$ 75.33
#184-051-410	NA	10mm Auto Barrel	4H00QRQ \$ 75.09

STK# FINISHER	STK# ROUGHER	FITS	PRICE
#184-051-450	NA	.45 ACP Cylinder	4H85Q09 \$ 85.09
#184-051-451	NA	.45 ACP Barrel	4H75J33 \$ 75.33
<b>RIMMED PISTOL CARTRIDGES</b>			
#184-051-320	NA	.32 H&R Mag Cyl.	4H85Q13 \$ 85.13
#184-051-321	NA	.32 H&R Mag Barrel	4H85P29 \$ 85.29
#184-051-322	NA	.32/20 Barrel	4H115D27 \$ 115.27
#184-051-350	NA	.357 Mag Cylinder	4H85I27 \$ 85.27
#184-051-351	NA	.357 Mag Barrel	4H85P27 \$ 85.27
#184-051-361	NA	.357 Max. Barrel	4H85K12 \$ 85.12
#184-051-380	NA	.38 S&W Spec. Cyl.	4H85H09 \$ 85.09
#184-051-383	NA	.38 Super Nonite*	4H85C00 \$ 85.00
#184-051-440	NA	44 Magnum Cyl.	4H85I31 \$ 85.31
#184-051-441	NA	44 Magnum Barrel	4H85A34 \$ 85.34
#184-051-443	NA	44/40 Barrel	4H115F30 \$ 115.30
#184-051-455	NA	45 Long Colt Cyl.	4H85M27 \$ 85.27
#184-051-456	NA	45 Long Colt Barrel	4H85D27 \$ 85.27
<b>RIMLESS RIFLE CARTRIDGES</b>			
#184-050-005	NA	.17 Remington	4H145K00 \$ 145.00
#184-050-080	NA	.220 Swift (bolt action only)	4H105K15 \$ 105.15
#184-050-100	NA	.222 Remington	4H105B29 \$ 105.29
#184-050-004	NA	5.56 NATO	4H105I27 \$ 105.27
#184-050-120	NA	.223 Remington	4H105J09 \$ 105.09
#184-000-076	NA	.224 Valkyrie	4H145Q00 \$ 145.00
#184-050-130	NA	.22-250 Rem.	4H105J09 \$ 105.09
#184-000-084	NA	6mm ARC	4H00CGE \$ 145.00
#184-050-155	NA	6mm Rem. BR	4H105N09 \$ 105.09
#184-050-150	NA	243 Winchester	4H105J27 \$ 105.27
#184-050-190	NA	.250 Sav (250-3000)	4H105K33 \$ 105.33
#184-050-200	NA	.257 Roberts	4H105C34 \$ 105.34
#184-050-220	NA	.25-06 Rem.	4H105C27 \$ 105.27
NA	#184-050-101	.223 Rem.	4H105D33 \$ 105.33
NA	#184-050-101	.222 Rem.	4H105D33 \$ 105.33
NA	#184-050-101	.222 Rem. Magnum	4H105D33 \$ 105.33
NA	#184-050-131	.22/250	4H105A34 \$ 105.34
#184-000-053	NA	6.5mm Creed-moor	4H145D00 \$ 145.00
#184-050-230	NA	6.5mm x 55	4H105E27 \$ 105.27
#184-050-240	NA	6.5-06 A-Square	4H105E09 \$ 105.09
#184-000-082	NA	6.5mm PRC	4H00HTD \$ 170.00
#184-050-215	NA	.260 Rem.	4H105N27 \$ 105.27
#184-050-270	NA	.270 Win.	4H105H36 \$ 105.36
#184-050-280	NA	7mm Mauser	4H105I09 \$ 105.09
#184-050-350	NA	7mm-08 Rem.	4H105D27 \$ 105.27
#184-050-300	NA	.280 Rem.	4H105A33 \$ 105.33
#184-050-310	NA	.284 Winchester	4H105G33 \$ 105.33
#184-050-275	NA	7.62x39 Russian	4H105I27 \$ 105.27
#184-050-320	NA	.30 M1 Carbine	4H105I09 \$ 105.09
#184-050-400	NA	.308 Win.	4H105M33 \$ 105.33

STK# FINISHER	STK# ROUGHER	FITS	PRICE
#184-050-390	NA	.30-06 Spring-field	4H105C27 \$ 105.27
#184-050-314	NA	.300 Rem. Ultra Mag	4H115Q09 \$ 115.09
#184-050-312	NA	.300 Win. Shrt Mag	4H115C33 \$ 115.33
#184-050-440	NA	8mm Mauser	4H105A27 \$ 105.27
#184-050-510	NA	.35 Whelen	4H105N27 \$ 105.27
NA	#184-050-401	.308 Win.	4H105P33 \$ 105.33
<b>.22 RIMFIRE RIFLE/AUTO PISTOL*</b>			
#184-050-001	NA	.17 HMR	4H145G27 \$ 145.27
#184-050-008	NA	.22 Short Rifle	4H75K27 \$ 75.27
#184-050-010	NA	.22 Long Rifle	4H75B29 \$ 75.29
#184-050-020	NA	.22 Win. RFM	4H75D27 \$ 75.27
NA	#184-050-011	.22 Long Rifle	4H75J13 \$ 75.13
<b>.22 RIMFIRE REVOLVER*</b>			
#184-051-220	NA	.22 Long Rifle	4H75E27 \$ 75.27
#184-051-222	NA	.22 WRFM Revolver	4H75J27 \$ 75.27
<b>THROATERS</b>			
#184-053-220	NA	.22 CF(.218 dia. pilot)	4H65P00 \$ 65.00
#184-053-600	NA	6mm (.236 dia. pilot)	4H65N00 \$ 65.00
#184-053-650	NA	6.5mm (.255 dia. pilot)	4H65L00 \$ 65.00
#184-053-700	NA	7mm (.2755 dia. pilot)	4H65F00 \$ 65.00
#184-053-300	NA	.30 (.299 dia. pilot)	4H65J00 \$ 65.00
#184-053-380	NA	9mm/.38 (.345 dia. pilot)	4H65Q00 \$ 65.00
<b>SHOTGUN REAMERS</b>			
STK# REAMER W/BUSHING	STK# BUSHING ONLY	BUSHING SIZE	GAUGE LENGTH
#184-052-725	#184-252-725	.725 (18.4mm)	12 2 1/4"
#184-052-729	#184-252-729	.729 (18.5mm)	12 2 1/2"
#184-152-725	#184-252-725	.725 (18.4mm)	12 3"
NA	#184-252-729	.729 (18.5mm)	12 3"
#184-052-614	#184-252-614	.614 (15.6mm)	20 2 1/4"
NA	#184-252-610	.610 (15.5mm)	20 2 1/4"
NA	#184-252-610	.610 (15.5mm)	20 3"
NA	#184-252-614	.614 (15.6mm)	20 3"
— Advise # — Reamer w/1 Bushing, 12, 16, 20 Ga., 4H162M00 ..... \$ 162.00			
— Advise # — Chamber Reamer Pilot, 4H15Q00 ..... 15.00			

**Got an FFL?  
Want to earn extra money?**

**CALL 866-277-4194  
TO GET STARTED**

## CLYMER .223 & .308 CHAMBER REAMING KITS



**Complete Kits For Safe, Accurate Chambering**

High-quality finish reamer and precision made headspace gauges make easy work when chambering a new barrel. Precision machined from high-quality steel for a lifetime of service when properly cared for. Finish reamers can be used in your lathe or hand-turned; perfect for fitting short chambered barrels. Includes head-space gauge to accurately measure chamber size and ensure a tight, safe chamber. Gauges are etched with "Go" or "No-Go" and caliber/gauge name for easy identification. Made to SAAMI specs. **SPECS: Reamer** - M7 high speed steel, in-the-white. Right-hand cutting, six flutes. Solid pilot, integral throat. 1/16" round shank with 1/8" square drive. Headspace Gauge - Steel, in-the-white.

#184-000-043 .223 Chamber Reaming Kit, 4H163D00 ..... \$ 163.00  
#184-000-044 .308 Chamber Reaming Kit, 4H163E00 ..... 163.00

## MANSON PRECISION REAMERS LIVE PILOT FINISH CHAMBER REAMER



**Cuts A Smooth, Precise Chamber  
With Less Chance Of Rifling Damage**

Removable (live) pilot greatly reduces the risk of scratching the lands when cutting the chamber to final dimensions, so you get the best possible chambering job for maximum accuracy. Snug-fitting pilot helps provide extra-stable "live center" alignment to maintain proper chamber-to-bore alignment. Precision ground from high speed M7 tool steel for smooth, clean cutting and maximum service life. Includes one pilot for caliber listed.

**SPECS: M7 high speed steel, in-the-white. Live pilot, six straight flutes, right hand cut. 1/8" (9.5cm) square drive shank. Includes one (1) pilot for caliber listed. .223 & .22-250 - .2185" pilot O.D. .308 & .30-06 - .2995" pilot O.D. .38-55 - .3655" or .3725" pilot O.D.**

#513-000-088 .223 Pilot Reamer, 3A140L00 ..... \$ 140.00  
#513-000-089 .22-250 Pilot Reamer, 3A140G00 ..... 140.00  
#513-000-086 .308 Pilot Reamer, 3A140J00 ..... 140.00  
#513-000-087 .30-06 Pilot Reamer, 3A140N00 ..... 140.00  
#513-000-099 .38-55 Pilot Reamer, 3A150B00 ..... 150.00

## NEW! BADGER ORDNANCE CHAMBERING GAUGE

**Precision Depth-Measuring  
Tool Just for Use in Cutting  
Chambers**



Badger Ordnance's chambering gauge eliminates the guess work and inconsistency of using a regular depth gauge tool while precision chambering your rifle barrels. Works in conjunction with your GO gauge. Comes complete with a dial indicator and instructions.

#100-042-712 Chambering Gauge, 3K00DTH ..... \$ 89.99

Orders: 800-741-0015

order on the web  
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**BROWNELLS** PAGE 463

**NEW!** TANDEMKROSS "CHAMBERMADE" .22 RIMFIRE CHAMBER IRONING SWAGE



Call It a Lifesaver - Or At Least a "Gun Saver" - for .22 Guns With Damaged Chamber Mouths

"Don't dryfire .22s without snap caps!" is the mantra, yet no matter how hard we try to get the word out, folks do it anyway - and end up damaging the mouth of the chamber. The problem is that dryfiring a rimfire gun can create a small burr where the firing pin impacts, which can grow and deepen over time, leading to feeding and reliability problems. Tandemkross's elegantly simple ChamberMade chamber ironing swage tool is for repairing the damage to .22 rimfire chambers caused by firing pin impact. Fixing this damage often eliminates a very common cause of feeding and extraction malfunctions. You can put the ChamberMade in a 1/4" hex drive screwdriver and operate it from the chamber side, or attach the other end to an 8-32 threaded cleaning rod inserted from the muzzle, and work the tool to bring the breechface back to factory-new condition. Works on .22 Long Rifle, .22 Long, or .22 Short chambers. **■**

**#100-043-240 .22 Rimfire Chamber Ironing Swage, 1G00KME..... \$ 24.99**

VIPER CHAMBERING & TRUING FIXTURE

Helps You Chamber Any Length/Contour Barrel



This handy three-in-one fixture helps you chamber rifle or pistol barrels, including contoured barrels, regardless of length, from the chuck side of your lathe.

Also use it to true up any bolt or bolt face, and to true up Remington actions. Fits a four-jaw independent chuck; may be modified for use in three- or six-jaw chuck. Machined aluminum tube with hardened steel setscrews that are brass tipped to prevent marring the work piece. Built-in safety feature prevents setscrews from sticking out beyond the fixture and catching on your clothes. **■**

**SPECS:** Machined aluminum, matte black finish. Steel setscrews, 7" long, 4" O.D., with a 1 1/2" dia. through hole.

**#100-015-759 Chambering & Truing Fixture, 6A255B72..... \$ 257.14**

VIPER BENCH REST VIPER'S VENOM CUTTING OIL



High Viscosity & Extreme Cooling Properties

A thick, high sulfur cutting oil just like the old time machinist oil. Clings to your work and won't fly off as the metal heats up, which means you use less oil per project. Specifically formulated for cutting all ferrous metals, tapping, threading, and reaming. Works extremely well when threading or reaming stainless steel rifle barrels due to its extreme lubricity factor and cooling properties. Does not smoke like other

oils when it gets hot. **■**

**#100-013-369 1 Quart (32 oz.) Viper's Venom, 6A22G88..... \$ 25.99**

BROWNELLS CERROSAFE® CHAMBER CASTING ALLOY



Never Wears Out - Use Over & Over

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

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

**#080-027-100 1 lb. Cerrosafe Alloy, 8K26M29..... \$ 29.99**

**#080-027-050 1/2 lb Cerrosafe Alloy, 8K13H54..... 14.99**

BROWNELLS UNIVERSAL DO-DRILL™

Our Most Popular Drilling, Machining, Tapping & Cutting Oil



Many of our gunsmith customers have told us this is the best product we've ever offered for tapping, drilling and cutting all types of heat-treated steels, moly and stainless. Excellent for chambering and boring jobs, a coolant for lathe, mill and shaper work - will speed production and reduce tool costs in your shop every day. Non-evaporating, does not require stream application for 99% of the jobs, it follows the tap or drill in the work. A moneysaver. We know of cases where all four holes for a mount have been drilled and tapped using DO-DRILL™, and the tap was still sharp enough for future use. With taps as high priced as they presently are, you cannot afford NOT to use it. **■**

**SPECS:** Net Contents: 16 oz. (473 ml) or 1 gal. (128 fl. oz./3.8 L).

**#083-007-016 16 oz. Do-Drill, 5L14I53..... \$ 15.99**

**#083-008-128 1 Gal. Do-Drill, 5L69B99..... 92.99**

FOLLOW US • FRIEND US • LIKE US

**NEW!** Sizes MANSON PRECISION REAMERS HEADSPACE GAUGES

Determine Correct Headspace Made By Dave Manson



Gives the proper chamber headspace dimensions so you know a firearm is safe to fire. **GO** gauge gives the SAMMI-recommended, minimum chamber depth. **NO/GO** is slightly longer than the SAMMI-recommended to identify excessive chamber depth and an unsafe condition. Precision-ground and hardened to provide long service life. **■**

**SPECS:** M7 high speed steel, in-the-white, hardened.

STK# GO	STK# NO-GO	CALIBER
RIMFIRE CARTRIDGES		
#513-100-028	#513-100-029	.17 HM2
#513-100-230	#513-100-231	.22 Win. RFM
#513-100-220	#513-100-221	.22 LR/Match/Bentz
RIMLESS RIFLE/SHOTGUN CARTRIDGES		
#513-000-081	#513-000-082	.17 Rem. Fireball
#513-000-068	#513-000-069	204 Ruger
#513-000-097	#513-000-098	5.45 x 39mm
#513-100-240	#513-100-241	.223 Remington
#513-100-250	#513-100-251	22/250
#513-100-227	NA	22/250 Ackley Imp
#513-100-260	#513-100-261	.308 Winchester
#513-000-114	#513-000-115	6.5mm PRC
#513-100-026	#513-100-027	6.8mm Rem. SPC
#513-100-310	#513-100-311	.35 Whelen
#513-100-316	#513-100-317	300/.270 Win. Short Mag
#513-000-045	#513-000-046	7mm Win. Short Mag
#513-100-015	#513-100-016	.280 Ackley Imp
#513-100-490	#513-100-491	7.62 x 39 (SAMMI spec)
#513-000-094	#513-000-095	7.62 x 39mm (CIP spec)
#513-100-350	#513-100-351	.30 Carbine
#513-100-314	#513-100-315	.300 Rem. Ultra Mag
#513-100-922	#513-100-923	8 x 57mm
#513-000-112	#513-000-113	9.3x62mm
#513-000-043	#513-000-044	.50 BMG (see price below)
#513-110-120	#513-110-121	12 Gauge Shotgun

— Advise # — Rimfire Headspace Gauge, 3A38N25 ... \$ 42.99

— Advise # — Rimless Headspace Gauge, 3A38G58 ... 47.99

— Advise # — .50 BMG Headspace Gauge, 3A00BTD ... 70.00

**BELTED MAGNUM CARTRIDGES** - With the exception of the .240 Weatherby Magnum, most belted, magnum cartridges are based on the .375 H&H Magnum case. Therefore, they all use the same headspace gauges. The following is a partial listing of those cartridges which use the same Belted Magnum Headspace Gauges: .257 Weatherby Mag., 6.5 Rem. Mag., .264 Win. Mag., .270 Weatherby Mag., 7mm Rem. Mag., 7mm Weatherby Mag., 7mm STW, .300 H&H Mag., .300 Weatherby Mag., .300 Win. Mag., .30-338 Win. Mag., .308 Norma Mag., 8mm Rem., .338 Win. Mag., .340 Weatherby Mag., .350 Rem. Mag., .358 Norma Mag., .375 H&H Mag., .416 Rem. Mag., .458 Win. Mag.,

**#513-000-041 .240 Weatherby Mag. Go Hdspce Gauge, 3A40Q00..... \$ 40.00**

**#513-100-320 Belted Mag. Go Gauge, 3A40D00..... 40.00**

**#513-100-321 Belted Mag. No-Go Gauge, 3A40J00... 40.00**

STK# GO	STK# NO GO	CALIBER
RIMMED/RIMLESS PISTOL/RIMMED RIFLE CARTRIDGES		
#513-100-500	#513-100-501	7.62 x 54R Russian
#513-100-340	#513-100-341	9 mm Luger
#513-100-400	#513-100-401	.40 S&W
#513-100-450	#513-100-451	.45 ACP

— Advise # — Rimless Pistol/Rimmed Rifle Gauge, 3A40I00..... \$ 40.00

BROWNELLS/FORSTER MATCH RIFLE HEADSPACE GAUGES

In .001" Increments For Measurement Of "Match Grade" Chambers



Covers every size chamber all the way from Go to Field. Perfect for match shooters, armorers, or sportsmen looking for the most accurate way to track locking lug and chamber wear on high quality, match grade barrels. **■**

**SPECS:** Individual high speed steel gauges, hardened and ground. **.308 Match Gauge Kit** contains 1 of each .308 size listed in table, packaged in plastic case. **NOTE:** Some .308/7.62 gauges will be marked ".243".

STOCK #	CALIBER	SIZE	TYPE
#319-223-464	.223 Rem/5.56 NATO	1.4636"	GO
#319-223-467	.223 Rem/5.56 NATO	1.4666"	NO-GO
#319-223-470	.223 Rem/5.56 NATO	1.4696"	FIELD
#319-308-630	.243 Winchester	1.630"	GO
#319-308-631	.308 Win/7.62 NATO	1.631"	Match
#319-308-632	.308 Win/7.62 NATO	1.632"	Match
#319-308-634	.243 Winchester	1.634"	NO-GO
#319-308-638	.243 Winchester	1.638"	FIELD

— Advise # — Forster Headspace Gauge, 9A27P86 ... \$ 31.99

— Advise # — Match Gauge, 9A25O71..... 30.99

**#079-308-000 .308 Match Gauge Kit, 9A237H51..... \$ 259.99**

**NEW!** Sizes CLYMER GO/NO-GO GAUGE SETS

Headspace Gauge Sets For Rifles, Handguns & Shotguns



Convenient kits contain "Go" and "No-Go" gauges for accurately checking chamber length to make sure it meets SAAMI or CIP specs. These gauges are essential tools for ensuring a tight, accurate, safe chamber when chambering a new barrel. Always have a set on hand to check for correct headspace before buying or firing a new gun. Comes in a handy, durable plastic carrying case. **■**

**SPECS:** Steel, precision machined to SAAMI or CIP (7.62 x 54R) specs. Each set contains one go gauge and one no-go gauge in a single caliber as listed below.

- #184-000-051 .22 LR Headspace Gauge Kit, 4H00FLL..... \$ 66.00**
- #184-000-037 .223 Rem. Headspace Gge Kit, 4H00KFE... 66.00**
- NEW 184-000-085 6mm ARC Headspace Gauge Kit, 4H00ETP..... 66.00**
- NEW 184-000-086 6.5 Creedmoor Headspace Gauge Kit, 4H00PER..... 66.00**
- NEW 184-000-083 6.5mm PRC Headspace Gauge Kit, 4H00BQQ..... 80.00**
- #184-000-081 6.5x47mm Lapua Headspace Gauge Kit, 4H00ERM..... 66.00**
- #184-000-038 .308 Win. Headspace Gge Kit, 4H00KDE... 66.00**
- #184-000-040 .30-06 Headspace Gge Kit, 4H58G00... 58.00**
- #184-000-039 7.62 x 39 Headspace Gauge Kit, 4H00EME..... 66.00**
- #184-000-047 7.62 x 54R Headspace Gauge Kit, 4H66K00..... 66.00**
- #184-000-042 9mm Luger Headspace Gauge Kit, 4H00MAE..... 66.00**
- #184-000-050 .40 S&W Headspace Gge Kit, 4H00NZS... 66.00**
- #184-000-041 .45 ACP Headspace Gge Kit, 4H00NWS... 66.00**
- #184-000-048 12 Gauge Headspace Gge Kit, 4H90A00... 90.00**



## FORSTER & CLYMER HEADSPACE GAUGES

Absolutely Essential For Accurate, Safe, Chamber Work



Clymer Gauge Shown

The only way to accurately measure and test the length of the chamber of the rifle. Essential when chambering a new barrel to ensure a tight, accurate, safe chamber. Whenever you buy a used gun, always check the headspace before firing. Gauges are etched with "Go," "No-Go," or "Field" and caliber/gauge name for easy identification. Both Forster and Clymer gauges are made to SAAMI specs. **A NOTE ON PRICING:** Current prices are listed below. Prices may change after this catalog is published. Also, gauges for certain less-common cartridges may cost more than the standard price. Check **Brownells.com** or ask one of our phone order takers for current price. **SPECS:** Machined steel. Size varies with caliber and gauge style. If you do not see your cartridge listed, we may be able to special order gauges for it. Please call our Order Line. Special orders require full payment in advance and are non-cancelable and non-refundable. **NOTE:** Gauges interchangeable between calibers of same Stock #.

change after this catalog is published. Also, gauges for certain less-common cartridges may cost more than the standard price. Check **Brownells.com** or ask one of our phone order takers for current price. **SPECS:** Machined steel. Size varies with caliber and gauge style. If you do not see your cartridge listed, we may be able to special order gauges for it. Please call our Order Line. Special orders require full payment in advance and are non-cancelable and non-refundable. **NOTE:** Gauges interchangeable between calibers of same Stock #.

- Advise # — Clymer Headspace Gauge, 4H30A00..... \$ 30.00
- Advise # — Forster Headspace Gauge, 9A27H86..... \$ 31.99

CARTRIDGE	HEADSPACE GAUGE NAME	CLYMER GAUGE GO	CLYMER GAUGE NO-GO	FORSTER GAUGE GO	FORSTER GAUGE NO-GO	FORSTER GAUGE FIELD
.17 HM2 & .17HS	22 LR	#184-100-220	NA	NA	NA	NA
.22 Rimfire, LR, Short, Match-Grade, Bentz	22 LR	#184-100-222	#184-100-221	#319-022-043	#319-022-046	#319-022-049
.204 Ruger	204 Ruger	#184-000-033	#184-000-034	NA	NA	NA
.22 Rimfire Mag	22 RFM	#184-100-230	#184-100-231	NA	NA	NA
.22 Hornet	Hornet	#184-100-235	#184-100-236	NA	NA	NA
.219 Wasp	30-30	#184-100-300	#184-100-301	#319-418-220	#319-418-221	#319-418-222
.219 Zipper	30-30	#184-100-300	#184-100-301	#319-418-220	#319-418-221	#319-418-222
.221 Fireball	221 Rem	NA	#184-100-219	NA	NA	NA
.22 S HP	30/30	#184-100-300	#184-100-301	#319-418-220	#319-418-221	#319-418-222
.222 Rem	222 Rem	NA	#184-100-241	#319-418-010	#319-418-011	#319-418-012
.223 Rem/.56 NATO	223 Rem.	#184-100-240	NA	#319-223-464	#319-223-467	#319-223-470
5.56 NATO	5.56 NATO	#184-000-035	#184-000-036	#100-010-713	NA	NA
.224 Valkyrie	224 Valkyrie	#184-000-077	#184-000-078	NA	NA	NA
.22 Rem BR	Rem BR	#184-100-222	#184-100-223	NA	NA	NA
.22 PPC	PPC	NA	NA	#319-022-050	NA	NA
.220 Swift	220 Swift	NA	NA	#319-418-050	#319-418-051	NA
.22-250	22-250	#184-100-250	#184-100-251	#319-418-040	#319-418-041	#319-418-042
.243 Win	243 Win	NA	NA	NA	#319-308-630	#319-308-638
.243 Win	308 Win	#184-100-260	#184-100-261	NA	#319-308-634	NA
.244 Rem	244 Rem	#184-100-270	NA	#319-418-090	#319-418-091	NA
6mm Rem	6mm Rem	#184-100-270	NA	#319-418-090	#319-418-091	NA
6mm BR	Rem BR	#184-100-222	#184-100-223	NA	NA	NA
6mm PPC	PPC	NA	NA	#319-022-050	NA	NA
.25-20	25-20	#184-100-360	#184-100-361	NA	NA	NA
.250 Sage	250 Sage	#184-100-255	#184-100-256	NA	NA	NA
.257 Roberts	257 Roberts	#184-100-280	#184-000-281	#319-418-080	#319-418-081	#319-418-082
.25-06	30-06	#184-100-310	#184-100-311	#319-306-049	#319-306-055	#319-306-058
.257 Weatherby	Magnum	#184-100-320	#184-100-321	#319-418-250	#319-418-251	#319-418-252
.264 Win	Magnum	#184-100-320	#184-100-321	#319-418-250	#319-418-251	#319-418-252
6.5 Creedmoor	6.5 Creedmoor	#184-000-079	#184-000-080	NA	NA	NA
6.5 Rem Mag	Magnum	#184-100-320	#184-100-321	#319-418-250	#319-418-251	#319-418-252
6.5mm-06	30-06	#184-100-310	#184-100-311	#319-306-049	#319-306-055	#319-306-058
6.5 x 55	6.5 x 55	#184-100-290	#184-100-291	#319-418-160	#319-418-161	#319-418-162
.270 Win	30-06	#184-100-310	#184-100-311	#319-306-049	#319-306-055	#319-306-058
.270 WSM	300 WSM	#184-100-263	#184-100-264	NA	NA	NA
.270 Weatherby	Magnum	#184-100-320	#184-100-321	#319-418-250	#319-418-251	#319-418-252
.275 H&H	Magnum	#184-100-320	#184-100-321	#319-418-250	#319-418-251	#319-418-252
7 x 57	7 x 57	#184-100-280	#184-100-281	#319-418-080	#319-418-081	#319-418-082
7mm Rem Mag	Magnum	#184-100-320	#184-100-321	#319-418-250	#319-418-251	#319-418-252
7mm Weatherby	Magnum	#184-100-320	#184-100-321	#319-418-250	#319-418-251	#319-418-252
7mm BR	Rem BR	#184-100-222	#184-100-223	NA	NA	NA
7 x 61 S&H	Magnum	#184-100-320	#184-100-321	#319-418-250	#319-418-251	#319-418-252
7mm Exp	280 Rem	NA	NA	#319-418-100	#319-418-101	NA
7mm-08	308/243	NA	NA	#319-308-630	#319-308-634	#319-308-638
.280 Rem	280 Rem	NA	NA	#319-418-100	#319-418-101	NA
.284 Win	284 Win	#184-100-287	NA	#319-418-110	#319-418-111	NA
.30M1 *	30 Carb	#184-100-350	#184-100-351	#319-418-120	#319-418-121	#319-418-122
300 AAC Blackout	300 AAC Blackout	#100-011-283	#100-011-311	NA	NA	NA
.30-30	30/30	#184-100-300	#184-100-301	#319-418-220	#319-418-221	#319-418-222
.300 Savage	300 Savage	NA	#184-100-266	NA	NA	NA
.30-40 Krag	30-40 Krag	#184-100-302	#184-100-303	#319-418-230	#319-418-231	#319-418-232
.303 British	303 British	#184-100-302	#184-100-303	#319-418-240	#319-418-241	#319-418-242

CARTRIDGE	HEADSPACE GAUGE NAME	CLYMER GAUGE GO	CLYMER GAUGE NO-GO	FORSTER GAUGE GO	FORSTER GAUGE NO-GO	FORSTER GAUGE FIELD
.308 Win	243-308	NA	NA	#319-308-630	#319-308-634	#319-308-638
.308 Win	308	#184-100-260	#184-100-261	#100-010-714	NA	NA
7.62mm NATO	7.62mm NATO	NA	NA	#319-000-007	#100-010-715	#319-000-006
.30-06	30-06	#184-100-310	#184-100-311	#319-306-049	#319-306-055	#319-306-058
.300 H&H	Magnum	#184-100-320	#184-100-321	#319-418-250	#319-418-251	#319-418-252
.300 Win Mag	Magnum	#184-100-320	#184-100-321	#319-418-250	#319-418-251	#319-418-252
.30-338	Magnum	#184-100-320	#184-100-321	#319-418-250	#319-418-251	#319-418-252
.300 Ultra Mag	300 Ultra	#184-100-306	#184-100-307	NA	NA	NA
.300 Win Shr Mag	300 W.S.M.	#184-100-263	#184-100-264	NA	NA	NA
.300 Weatherby	Magnum	#184-100-320	#184-100-321	#319-418-250	#319-418-251	#319-418-252
.308 Norma	Magnum	#184-100-320	#184-100-321	#319-418-250	#319-418-251	#319-418-252
7.62x39 Russian	7.62x39 Russian	#184-100-490	#184-100-491	NA	NA	NA
7.62x54R Russian	7.62x54R Russian	#184-100-500	#184-100-501	NA	NA	#319-000-004
.32-20	25/20	#184-100-360	#184-100-361	NA	NA	NA
.32 Win Spl	30/30	#184-100-300	#184-100-301	#319-418-220	#319-418-221	#319-418-222
.32-40	30/30	#184-100-300	#184-100-301	#319-418-220	#319-418-221	#319-418-222
8mm Mauser	8x57 Mauser	#184-100-310	#184-100-311	#319-418-150	#319-418-151	#319-418-152
8mm Mag	Magnum	#184-100-320	#184-100-321	#319-418-250	#319-418-251	#319-418-252
8mm-06	30-06	NA	NA	#319-306-049	#319-306-055	#319-306-058
.325 WSM	300 WSM	#184-100-263	#184-100-264	NA	NA	NA
.338 Win	Magnum	#184-100-320	#184-100-321	#319-418-250	#319-418-251	#319-418-252
.338 WSM	300 WSM	#184-100-263	#184-100-264	NA	NA	NA
.33 Win	45/70 Govt	#184-100-330	#184-100-331	NA	NA	NA
.338-06	30-06	#184-100-310	#184-100-311	#319-306-049	#319-306-055	#319-306-058
.340 Weatherby	Magnum	#184-100-320	#184-100-321	#319-418-250	#319-418-251	#319-418-252
.348 Win	45-70 Govt	#184-100-330	#184-100-331	NA	NA	NA
.35 Whelen	30-06	#184-100-310	#184-100-311	#319-306-049	#319-306-055	#319-306-058
.350 Legend	350 Legend	NA	NA	#319-000-103	#319-000-104	
.350 Rem Mag	Magnum	#184-100-320	#184-100-321	#319-418-250	#319-418-251	#319-418-252
.308 Win/7.62 NATO	.308 Win	#184-100-260	#184-100-261	NA	NA	NA
.358 Win	308	NA	NA	NA	NA	NA
.358 Norma	Magnum	#184-100-320	#184-100-321	#319-418-250	#319-418-251	#319-418-252
.375 H&H	Magnum	#184-100-320	#184-100-321	#319-418-250	#319-418-251	#319-418-252
.375 Win	30/30	#184-100-300	#184-100-301	#319-418-220	#319-418-221	#319-418-222
.38-55	30/30	#184-100-300	#184-100-301	#319-418-220	#319-418-221	#319-418-222
.40-65	45-70 Govt	#184-100-330	#184-100-331	NA	NA	NA
.416 Rem Mag	Magnum	#184-100-320	#184-100-321	#319-418-250	#319-418-251	#319-418-252
.45/70	45/70	#184-100-330	#184-100-331	NA	NA	NA
.458 Win	Magnum	#184-100-320	#184-100-321	#319-418-250	#319-418-251	#319-418-252
.32-20	.32-20	#184-100-360	#184-100-361	NA	NA	NA
9mm Luger	9mm Luger	#184-100-340	#184-100-341	NA	NA	NA
.38 Super (Nonte)	.38 Super (Nonte)	#184-100-390	#184-100-391	NA	NA	NA
.38 Spec/357	.357 Mag	#184-100-380	#184-100-381	NA	NA	NA
.357 Max	.357 Mag	#184-100-380	#184-100-381	NA	NA	NA
.40 S&W	.40 S&W	#184-100-400	#184-100-401	NA	NA	NA
.44 Mag/44 Spc	.44 Mag	#184-100-430	#184-100-431	NA	NA	NA
.45 ACP	.45 ACP	#184-100-450	#184-100-451	NA	NA	NA
.45 Colt	.45 Colt	#184-100-510	#184-100-511	NA	NA	NA

CARTRIDGE	HEADSPACE GAUGE NAME	STK# CLYMER GAUGE GO	STK# FORSTER GAUGE NO-GO
20 Gauge	20 Gauge	#184-110-200	#184-110-201
12 Gauge	12 Gauge	#184-110-120	#184-110-121

— Advise # — Shotshell Headspace Gauge, 4H45H00..... \$ 45.00

## CLYMER FIELD HEADSPACE GAUGES

Measures The Largest Safe Dimensions



Field gauges are essential tools for ensuring a safe chamber on used rifles. Slightly longer than a No-Go gauge, the Field gauge is used to measure the absolute maximum allowable, safe chamber headspace. If the bolt closes on a No-Go gauge, the Field gauge is used for an additional check. If the bolt then closes on the Field gauge, the rifle is considered unsafe to shoot, and you'll have to have the barrel rechambered. Includes a durable, plastic storage case. Available for .308 and .30-06 caliber chamber lengths. **SPECS:** Steel, precision machined to SAAMI specs. .308 fits .243, .260, 7mm-08, .308, .338 Federal, and .358 Win. .30-06 fits .25-06, .270 Win, .30-06, 8mm-06, .338-06, and .35 Whelen.

- #184-000-045 .308 Field Gauge, 4H00NUF..... \$ 33.00
- #184-000-046 .30-06 Field Gauge, 4H00IXE..... 33.00

### MIXING AND MATCHING BRANDS OF HEADSPACE GAUGES

**DON'T DO IT!** That's the short answer, here's why. It boils down to tolerance stacking. Each Headspace Gauge manufacturer works within a range specified by SAAMI. Manufacturer "A" may work at the high end of the range while Manufacturer "B"s" gauges are in the middle of the tolerance range. Mixing the two could give an inaccurate reading. By sticking with one brand within a particular caliber, you will eliminate a variable. If you have a Forster, .308 GO gauge, get a Forster, .308 NO GO. Use Clymer with Clymer and Manson Precision with Manson Precision, etc. However, you can use any brand of headspace gauge with any other brand of chambering reamer. e.g. Forster Head-space Gauges with Clymer Reamers, Manson Precision Gauges with JGS Reamers, etc.



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ACTION PROVING DUMMIES



Inert, Factory Spec Dummies Give Safe Function Testing

Manufactured to exact specifications, including diameter and length dimensions, weight and balance of factory loaded ammo, these dummies have the proper functioning characteristics to reliably check magazine feeding, action timing, extraction and ejection of all guns. The only professionally accepted and safe way to check gun functioning; live ammo should never be used except in actual test-firing on the range - after you have checked the gun with dummies. The very reasonable cost per dummy is an added incentive to use them regularly. The blackened case makes them distinct, and instantly recognizable as dummies, which makes them ideal - and safe - to use as a sales aid. Especially useful when demonstrating how a particular gun functions or in gun safety instruction classes. They absolutely eliminate the chance of an accidental discharge.

Table with columns: STOCK #, CALIBER, QTY, PRICE. Lists various RIMFIRE DUMMIES, CENTERFIRE RIFLE DUMMIES, and CENTERFIRE HANDGUN DUMMIES.

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BROWNELLS RIFLE/HANDGUN MUZZLE & CYLINDER FACING & CHAMFERING TOOLS



Hardened Steel Cutters With Interchangeable Pilots Face-Off, Square-Up And Chamfer Rifle & Handgun Muzzles - Chamfer Revolver Cylinders NO LATHE Required, Pilots Fit Either Cutter

45° MUZZLE/CYLINDER CHAMFERING CUTTER - A damaged or poorly-cut muzzle can really hurt accuracy; sharp edges on a revolver cylinder chamber mouths can cause rounds to hang up going into the cylinder - a real problem when using speedloaders. Cure both problems with this cutter. Use with muzzle pilots to clean up the lands and grooves at the barrel's muzzle; change the pilot and chamfer a cylinder to let rounds drop in smoothly. The 45° Cutter supplied in Sets marked with an \* is 3/8" dia. to fit the larger barrel and cylinder mouths on those calibers. All other Sets have a 1/2" diameter, 45° cutter. SPECS: Cutter - 3 1/2" (8.25cm) long (except .17 caliber cutter - 2 1/2" (6cm) long). 1/2" (12.7mm) or 3/8" (9.5mm) diameter. Handle - 3 1/2" (8.89cm). 3 oz. (85 g). .45 ACP Pilots - .45 ACP-1 fits S&W Model 25 & 625. .45 ACP-2 fits Colt 1917. Hardened steel cutter and pilots, aluminum handle. Packaged in a polypropylene box.

- #080-588-454 1/2" Diameter, 45° Chamfer Cutter, only, 8K47H99 \$58.99
#080-588-625 3/8" Diameter, 45° Chamfer Cutter, only, 8K51J99 \$59.99
#080-588-453 1/2" Diameter, 45° Chamfer Cutter, for .17 Cal., 8K55B29 \$62.99
#080-589-000 Facing & Chamfering Tool Handle, only, 1/4"-20 thread, 8K12J99 \$14.99



90° MUZZLE FACING CUTTER - Uses interchangeable, 1 1/4" long, slip-in muzzle pilots that keep its blades exactly perpendicular to the bore axis. Actually faces-off and squares-up barrel muzzles after shortening, prior to crowning. Ideal for removing dings or damage from flat faced (not rounded), rifle and handgun muzzles. Supplied in polypropylene box. SPECS: Cutter - 3 1/4" (8.2cm) long (except .17 caliber cutter - 2 1/2" (6cm) long. Diameter - 1" (2.5cm) or .750" (19mm). Handle - 3 1/2" (8.9cm) long. 3 oz. (85 g). Hardened steel cutter and pilots, aluminum handle. Packaged in a polypropylene box.

- #080-586-909 .750" Diameter, 90° Muzzle Facing Cutter, only, 8K49G99 \$57.99
#080-586-100 1" Diameter, 90° Muzzle Facing Cutter, only, 8K67L27 \$74.99
#080-586-911 1" Diameter, 90° Muzzle Facing Cutter, for .17 Cal., 8K64L99 \$74.99
#080-589-000 Facing & Chamfering Tool Handle, only, 1/4"-20 thread, 8K12J99 \$14.99

Large table with columns: STK# STEEL ONE CAL SET, STK# BRASS ONE CAL SET, STK# 45° CUTTER & STEEL PILOT, STK# 45° CUTTER & BRASS PILOT, STK# 90° CUTTER & STEEL PILOT, STK# 90° CUTTER & BRASS PILOT, STK# STEEL PILOT ONLY, STK# BRASS PILOT ONLY, FITS. Lists various cutter and pilot sets for different calibers.

CHAMFERING & FACING COMBO SETS

- ONE-CALIBER SET - One 90° and one 45, Cutter; one Handle and one Pilot of your choice. Polypropylene box.
- Advise # - Rifle/Handgun One-Caliber Set, advise STEEL pilot, 8K131G18 \$150.99
- Advise # - Rifle/Handgun One-Caliber Set, advise BRASS pilot, 8K124E99 \$150.99

RIFLE SET - Includes one 90°, 45°, and 79° Cutter, plus one Handle and all Rifle Pilots. Flip-storage box with foam insert. Does not include .17 caliber pilots.

#080-943-000 Rifle Master Facing/Chamfering Set, with BRASS pilots, 8K348G33 \$399.99

HANDGUN SET - Includes one 90°, 45°, and 79° Cutter, plus one Handle, 10 Cylinder Pilots, and 13 Handgun Bore Pilots. Flip-storage box with foam insert.

#080-586-000 Handgun Master Facing/Chamfering Set with STEEL pilots, 8K349J21 \$399.99

#080-944-000 Handgun Master Facing/Chamfering Set with BRASS pilots, 8K336M78 \$379.99

MASTER SET - Includes one 90°, 45°, and 79° Cutter, one Handle, 17 rifle muzzle pilots, 10 revolver cylinder pilots, 5 Handgun Bore Pilots, 8 Rifle/Handgun muzzle pilots in a storage box with foam insert. Does not include .17 caliber pilots.

#080-587-001 Rifle/Handgun Master Facing/Chamfering Set, w/STEEL pilots, 8K453L94 \$499.99

#080-942-000 Rifle/Handgun Master Facing/Chamfering Set, w/ BRASS pilots, 8K448N45 \$499.99

.17 CAL. MASTER SET - Includes one 90° and 45° Cutter, one Handle, and 3 rifle muzzle pilots in .165", .166", and .167" diameters for .17 centerfire and .17 rimfire calibers. Does not include 79° (11") muzzle crowning cutter, available separately.

#080-686-000 .17 Cal. Master Set, 8K150P38 \$165.99
#080-000-184 .17 Cal., 3/4" Crown Cutter, 8K47K69 \$54.99

GUARANTEED.FOREVER. SINCE 1939

### BROWNELLS 45° TWELVE-FLUTE MUZZLE CHAMFER CUTTER

Smooth, Chatter-Free Cutter & Interchangeable Brass Pilots



A ready-to-use combination of twelve-flute cutter and brass pilot for touching up minor rifle muzzle imperfections that can destroy fine accuracy. Twelve flutes cut smooth and chatter-free so no stoning, lapping or touch-up is required. Hardened brass pilots won't scar or damage delicate rifling. A very handy tool to take along to the range or keep in your tool box, "just in case."  
**SPECS:** Cutter - tool steel, 3/4" (8.2cm) long. Handle - aluminum 3/4" (8.8cm) long 1/4"-20 threads. Pilot - brass, 1/4" (3cm) long. One Caliber Set includes cutter, pilot and handle.

- #080-588-625 1/8" Diameter, 45° Chamfer Cutter, only, 8K51J99... \$ 59.99
- #080-589-000 Facing & Chamfering Tool Handle, only, 1/4"-20 thread, 8K12J99... 14.99

STK# ONE CAL. SET	STK# BRASS PILOT ONLY	FITS
#080-930-223	#080-943-023	.22 Centerfire Muzzle
#080-930-243	#080-943-243	6mm/243 Muzzle
#080-930-284	#080-943-007	7mm Muzzle
#080-930-308	#080-943-308	.30 Muzzle

- Advise # — One Cal. Muzzle Chamfer Set, 8K83K99... \$ 95.99
- Advise # — Brass Muzzle Pilot, only, 8K20G99... 26.99

### BROWNELLS 79° MUZZLE CROWNING CUTTER

Cuts Popular "11" Target Crown



Hardened steel, muzzle crowning tool cuts a slight (11° less than square) target chamfer on barrels.

Gives good rifling protection without going too deep. 90° - 11° = 79°, hence the name. Eight, precision-machined flutes give smooth, chatter-free cuts to help eliminate extra lapping or stoning. 1/4"-20 thread fits Brownells muzzle chamfering handles. Use with our muzzle pilots to ensure precise alignment with your bore. Available in 1/2" and 3/4" diameters to accommodate most rifle/handgun barrel diameters.  
**SPECS:** Tool Steel, 2 1/8" (6cm) overall length, 1/2" (1.3cm) and 3/4" (1.9cm) O.D. 1/4"-20 tpi.

- #080-586-500 1/2" 79° Crown Cutter, 7A48G67... \$ 52.99
- #080-586-750 3/4" 79° Crown Cutter, 8K47M01... 52.99

**.17 CAL. 11° MUZZLE CROWN CUTTER** - Machined using the same specifications as our other crown cutters but with a smaller diameter hole to accept Brownells .17 caliber pilots. 3/4" O.D. for rifle and handgun barrels.

- #080-000-184 .17 Cal., 3/4" Crown Cutter, 8K47K69... \$ 54.99

### BROWNELLS MUZZLE RADIUS CUTTER

The Finishing Touch On Barrel Crowning Jobs



Easily removes the sharp outside edge that remains after shortening or crowning a barrel. Easy-to-use cutter requires only a hand drill to quickly cut a smooth radius for a nicely finished look. Three cutter sizes to fit most barrels.  
**SPECS:** Hardened Steel. .615" (15.6mm), .715" (18.1mm), .815" (20.7mm), .920" (23.4mm) cutter diameters.

- #080-908-615 .615" Muzzle Radius Cutter, 8K26I50... \$ 28.99
- #080-908-715 .715" Muzzle Radius Cutter, 8K26G99... 30.99
- #080-908-815 .815" Muzzle Radius Cutter, 8K31K49... 34.99
- #080-908-920 .920" Muzzle Radius Cutter, 8K26B51... 28.99

### BROWNELLS MUZZLE FACING/CROWNING CUTTER DRILL CHUCK ADAPTER

Face, Crown & Chamfer With Any 3/8" Drill



Adapts Brownells 1/4"-20 threaded, Facing, Crowning and Chamfering Cutters to your 3/8" drill press or drill to get a chatter-free, finish cut.  
**SPECS:** Steel. 2" (5cm) long. .360" (9mm) dia. shaft. 1/4"-20 thread.  
**#080-962-000 Drill Chuck Adapter, 8K10M00... \$ 12.99**

### BROWNELLS 45° BRASS MUZZLE LAP



Polish Chamfers; Lap Edges; Improve Accuracy

Use to polish after using 45° Chamfer Cutters or for lapping out dings, sharp edges, etc. Mount in a variable speed drill and use our Silicon Carbide grits. Made of half-hard brass to hold polishing grit well.  
**SPECS:** 1/4" (3cm) lg. 3/8" (16mm) dia. body. 1/4" (6.3mm) dia. shank.

- #080-624-045 45° Brass Muzzle Lap, 2K12Q09... \$ 14.99

### MANSON PRECISION REAMERS MUZZLE CROWN REFACING KIT

No Lathe Way To Cut A Perfect Crown In Minutes & Improve Accuracy

Provides a fast, no lathe way to cut a smooth, concentric muzzle crown on both rifle and handgun barrels for an immediate improvement in accuracy. Expandable pilots provide precise alignment of the facing cutter with the bore. Spring-loaded adapter with neoprene damper absorbs vibration providing a consistent, chatter-free cut. Includes two facing cutters for 0° or 11° crowns, each with precision ground three-blade inserts that quickly and easily remove the toughest material and provide a perfectly square barrel crown. Outside chamfer cutter deburrs the sharp edges for a clean, even finish. Kits include 0° facing cutter, 11° facing cutter, outside chamfer cutter, and two or five pilots depending on kit, plus a 1/4" pilot wrench, 3/16" allen wrench, setup gauge, manual handle, adapter, instructions, and storage case. Perfect for slow even cuts and precise indexing of muzzle brakes.

**SPECS:** Facing Cutters - Steel, carbide inserts. Chamfer Cutter - Steel, 1.25" (32mm) diameter. Pilots - Steel, 8 1/4" (22.2cm) overall length. Kits include power driver or manual handle, 0° facing cutter, 11° facing cutter, outside chamfer cutter, (2 or 5) pilots, 1/4" pilot wrench, 3/16" allen wrench, setup gauge, power driver, adapter, instructions, and storage case.

- #513-000-038 2-Pilot Manual Crown Kit, 3A375F00... \$ 375.00
- #513-000-039 5-Pilot Manual Crown Kit, 3A49D000... 490.00

### BROWNELLS RIFLED SHOTGUN MUZZLE FACING PILOTS

Safe Muzzle Touch-Up For Rifled Slug Barrels



Polished brass pilots turned to uniform concentricity make it easy to clean up and square-off dinged or re-cut muzzles on 12 and 20 gauge, rifled slug barrels without damaging the lands and grooves. Use with Brownells 1" Diameter, 90°, Muzzle Facing Cutter for best results. Measure bore I.D. between tops of lands to determine closest pilot listed for your barrel. If your barrel's diameter isn't listed, select the closest, smaller size. Available in three diameters for 12 and 20 gauge, rifled slug barrels.  
**SPECS:** Brass. 2" (5.1cm) long. 12 Ga. - Pilots available to fit .718" bore diameter. 20 Ga. - Pilot fits .609" bore diameter. 3/16" shank fits Brownells Muzzle Facing Cutter.

- #080-943-207 12 Ga., .718" Rfld Btl Pilts, 7A21P61... \$ 24.99
- #080-943-209 20 Ga., .609" Rfld Btl Pilts, 7A27G11... 27.11
- #080-586-910 1" Diameter, 90° Muzzle Facing Cutter, only, 8K67L27... 74.99
- #080-589-000 Facing & Chamfering Tool Handle, only, 1/4"-20 thread, 8K12J99... 14.99

### BROWNELLS POWER CUSTOM BRASS MUZZLE CROWNING LAP



Genuine Brass Laps For All Rifle & Handgun Barrels

Four different sizes of brass laps produce a beautiful, finished crown on all pistol and rifle barrels when used with 600 grit silicon carbide abrasive and your hand drill.

**SPECS:** Brass. 3" (7.62cm) long. Sets include (4) laps, one of each size.

- #080-764-000 Muzzle Lap Set, 8K38J99... \$ 45.99

STOCK #	FIT BORE SIZE	TIP RADIUS	PRICE
#080-764-243	.17-.6.5mm	3/32" (3.96mm)	8K11I99 \$ 13.99
#080-764-350	.270-.35	3/16" (4.76mm)	8K11G49 \$ 13.99
#080-764-410	.38/.357-.41	1/4" (6.35mm)	8K11A99 \$ 13.99
#080-764-500	.44-50	3/8" (7.93mm)	8K13E99 \$ 16.99

### BROWNELLS SCOPE ALIGNMENT RODS

Instantly Aligns; Prevents "Kinked", Marred Scopes

Easily and quickly align scope and rings with perfect accuracy before mounting and "dinging" the scope. Clamp one rod in each ring; if the points don't touch, they're out of alignment. The cause could be mismatched rings, the wrong bases, bases that need shimming or a "tweaked" action. Well worth the small cost and time required to prevent damaging a scope.  
**SPECS:** 4 1/2" (10.7mm) long each. 1" (25.4mm) or 30mm (1.18") diameter. Machined aluminum.

- #080-730-000 1" Alignment Rods, 8K32C99... \$ 34.99
- #080-730-030 30mm Alignment Rods, 8K30K31... 34.99

### FORSTER UNIVERSAL SIGHT MOUNTING FIXTURE



The Accurate, Professional Way To Mount Scopes & Sights

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

- #319-400-000 Forster Sight Fixture with 6-48 bushing, 9A387D86... \$ 459.99
- #319-400-936 Drill Bushing #36, 9A8B02... 10.99
- #319-400-945 Drill Bushing #45, 9A7A28... 9.99
- #319-400-700 Round Pad, pair, 9A2Q99... 3.99
- #319-400-900 Forster Locating Pin, 9A10A31... 13.99
- #319-400-901 Forster C-Clamp, 9A11E25... 16.99
- #319-400-902 C-Clamp Set Screw, 9A2C99... 3.99

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

### DRILL BUSHING

- Advise # — Bushing Set, each, 9A23D57... \$ 26.99
- Advise # — Drill Bushing, each, 9A15K82... 18.45

### BROWNELLS SCOPE RING ALIGNMENT LAP



Trues & Aligns Scope Rings; Prevents Damage

Helps prevent dinged and damaged scope tubes by removing high spots to quickly true misaligned or out-of-round scope rings so they're perfectly in line. Also works to turn-in and rough align rotary dovetail rings. Dual-handles with multiple, transverse, lapping compound grooves give complete control and fast results. Includes lapping compound.

**SPECS:** Mild steel, in-the-white. 12" (30cm) long, 1" (2.5cm) or 30mm (1.8") dia. Includes (2) plastic handles and instructions.

- #080-903-100 1" Alignment Lap, 8K63K59... \$ 69.99
- #080-903-130 30mm Alignment Lap, 8K68H99... 79.99

Orders: 800-741-0015

order on the web  
**brownells.com**

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## BROWNELLS LAPPING COMPOUNDS



**Aluminum Oxide In A Water Soluble Base For Easy Cleanup**

The right abrasive for lapping the final fit between semi-auto slides and frames, rifle bolts and receiver raceways, and any other application where a super-close fit or silksmooth mechanism is required. #600 and #800 grit aluminum oxide abrasive crystals in a long lasting petroleum base that's water soluble for fast, easy cleanup in soap and water. Aluminum oxide crystals are smooth and rounded in shape, so they won't embed and continue to wear the part after cleanup. **SPECS:** Aluminum oxide. 4 fl. oz. (118 ml). Available in #600 and #800 grit. **Twin Pak** contains one jar of each grit.

- #083-041-600 #600 Lapping Compound, 8K25G99... \$29.99
- #083-041-800 #800 Lapping Compound, 8K25H99... 29.99
- #083-041-002 **Twin Pak Lapping Compound**, 3H45I96... 49.99

**GARNET LAPPING COMPOUNDS** - Fast-working, but absolutely non-embedding, petroleum abrasive paste for honing close-fitting parts to an ultra-smooth, friction-free fit. A natural substance, Garnet can be safely used on cast iron, brass, bronze or softer steels without embedding or galling.

- SPECS:** Garnet, oil-base paste. 4 oz. (113 g). GK-5 = 600 grit. GK-7 = 800 grit. GK-10 = 5 microns.
- #083-047-005 GK-5 Lapping Compound, 6A16G99... \$19.99
  - #083-047-007 GK-7 Lapping Compound, 6A16M12... 19.99
  - #083-047-010 GK-10 Lapping Compound, 6A16K99... 19.99

## EXD ENGINEERING VERTICAL RETICLE INSTRUMENT

Accurate Check For Perfectly Aligned Crosshairs

Adjustable, self-aligning V-blocks with integral spirit level makes zeroing your scope faster and far more accurate. Enhances final scope accuracy by squaring the crosshairs to the bore. Even a slight cant of the crosshairs can reduce overall accuracy, change point of impact and increase the likelihood of missed "bulls" or wounded game.

**SPECS:** Aluminum, natural finish. 5 1/2" (14cm) long, 2" (5cm) wide. Includes complete instructions.

- #289-100-000 Vertical Reticle Inst., 9H43B73... \$56.99



## LEUPOLD SCOPESMITH TOOL

Handy Size, Use At The Bench, Take To The Range

Folding tool has the right bit sizes to fit nearly all scope mounting needs. Four hex drivers from .050" to 9/64". Two TORX wrenches, T-15 and T-25. Plus, 1/4" flat blade. **SPECS:** Drivers; Chrome vanadium steel, blue, matte finish. Handles; reinforced resin, Black.

- #526-522-960 Scopesmith Mounting Tool, 4K17P09... \$18.99



## BROWNELLS SILICON CARBIDE ABRASIVE COMPOUND



**Sharp-Edged Silicon Carbide Self-Lubricating Petroleum Base**

The very best abrasive compound for "hard fitting" two pieces of steel. Stands up to continued fitting even on hardened and heat-treated steel. Silicon carbide grit combined with a thick, long lasting lubricant breaks down into smaller and smaller sharp-edged particles to keep cutting longer than aluminum oxide compounds. For use on steel only. Remove with solvent. **SPECS:** 4 fl. oz. (118 ml).

STOCK #	GRIT SIZE	PRICE
#083-045-120	120	5L16E99 \$16.99
#083-045-180	180	5L15J42 \$16.99
#083-045-240	240	5L15H53 \$16.99
#083-045-320	320	5L15Q07 \$17.99
#083-045-400	400	5L17Q99 \$17.99
#083-045-600	600	5L24E99 \$29.99
#083-045-800	800	5L27M46 \$29.99

**SILICON CARBIDE ABRASIVE KIT** - Puts the most useable selection of our shop proven, oil-based, silicon carbide abrasive compound together in a convenient try-pak. Handy, 2 oz. jars give you just the right amount of long lasting, sharp-edged abrasive that cuts longer and won't break down. The best choice for close fitting of hardened and tempered steels, 4 oz. replacement containers listed above. **SPECS:** 2 fl. oz. (59 ml). Kit contains 120, 180, 240, 320, 400, 600 and 800 grit.

- #080-905-000 Silicon Carbide Abrasive Kit, 8K55B24... \$61.99

**SILICON CARBIDE ABRASIVE GRIT** - Very fine abrasive powders you can use to "rub in" parts. Make an abrasive/cutting-oil paste for metal work or use dry on a soft pad to bring a cured stock finish to a gloss. Follow with Brownells Stock Rubbing Compound.

**SPECS:** 120 grit (coarse); 600 grit (fine). 1 lb. net wt. in plastic jar.

- #080-537-120 120 Grit Silicon Carbide, 5L12M99... \$14.99
- #080-537-600 600 Grit Silicon Carbide, 5L20P99... 24.99

## Sinclair SCOPE RING ALIGNMENT TOOL

Instantly Aligns 1" Or 30mm Rings To Prevent Scope Damage

Precision machined aluminum tool allows you to instantly align 1" or 30mm scope rings to prevent bending, twisting, or marring the scope body. Center rods are length adjustable to allow quick extension without loosening the scope ring several times to adjust the rod length. Individual cylinders use large, knurled collet nuts that easily tighten for a firm hold on the center rods. Out-of-align rings may require adjustment, lapping, or shimming of base to correct the problem.

**SPECS:** Aluminum, clear anodized cylinders/rods, black anodized collets. 1 1/30mm diameter cylinders. Includes complete instructions.

- #749-006-613 Sinclair Scope Ring Alignment Tool, 8K47K99... \$59.99



## LEUPOLD RING WRENCH



No-Damage Installation

Non-marring synthetic tool turns rotary dovetail rings without damage. Lets you quickly adjust rings for correct alignment. Fits all brands of rotary dovetail rings. **SPECS:** Synthetic, black. 8 1/2" (21.5cm) long.

- #526-000-042 Leupold Rotary Dovetail Ring Wrench, 4K12K39... \$12.99

## BROWNELLS HOLE CENTER PUNCHES

Use Sights, Ribs Or Bases As Their Own Drill Guide



3 special Center Punches with outside diameters (O.D.) that match the clearance drill size of the most popular sight, rib and scope base mounting screws. Ground, parallel sided punches reach through even the thickest handgun rib. Ends guesswork and center-to-center spacing problems. To Use: Level gun in vise or scope mounting jig, position and level sight, rib or base, and clamp in place. Place correct size punch in hole and lightly tap with a 4-oz. hammer. Remove base; drill and tap first hole; re-install base and check positioning. If everything is "square", re-clamp and finish other holes. **SPECS:** 2 1/2" (7cm) long. 1/4" (6.3cm) diameter knurled handle. Hardened, tool steel.

- #080-732-006 #6 Hole Center Punch, 8K7Q99... \$8.99
- #080-732-008 #8 Hole Center Punch, 8K7J99... 8.99
- #080-732-010 #10 Hole Center Punch, 8K7P99... 8.99
- #080-732-000 Hole Center Punch Set, 8K18B85... 21.99

## BROWNELLS MAGNA-TIP® ADJUSTABLE TORQUE HANDLE



Apply An Exact Amount Of Pre-Set Tightening Force; Accepts ALL Brownells Magna-Tip Bits

Precision-adjustable torque driver ensures that you apply the exact amount of leverage needed to accurately tighten any gun screw, including action screws and scope ring/mount screws. Adjustable from 15 to 70 in.-lb. in 1 in.-lb. increments to eliminate guesswork and prevent under- or over-tightening screws - no more stripped threads or broken-off screw heads. The 1/2" magnetic hex drive socket accepts ANY Brownells Magna-Tip bit - plus, 6 bits commonly needed for gun work are included! Ergonomic, rubber-coated handle gives you a secure grip for maximum leverage and even transfer of tightening force. To change torque setting, simply turn the orange collar to the desired setting indicated through the easy-to-read window scale. A self-limiting cam-over clutch "clicks" free when the specified amount of torque is reached, making over-tightening impossible. Each driver is hand calibrated and inspected, and comes with a handwritten certification card.

**SPECS:** Stainless steel shank & internal mechanism. High-impact, molded, hard-polymer housing, rubber-overmolded handle. Includes these 1/2" bits: Torx® T-10 & T-15, plus 1/4" & 3/16" hex with 1" long shanks; T-25 and 3/16" hex with 4" long shanks.

- #080-001-294 Adj. Torque Handle, only, 6E53G09... \$59.99

## BROWNELLS MAGNA-TIP® SEE-THRU RING BITS



Long Bits Reach Through Rings

Extra-long, MAGNA-TIP® bits reach through scope rings. Set includes bits for #6 and #8 slotted screws; 1/32" (fits Leupold) and 1/64" (fits Redfield) hex-head, T-10 and T-15 TORX ring and base screws. **SPECS:** 1 1/8" (4.7cm) long overall, 1 1/4" (3.1cm) long shank.

- #080-146-006 #6 Slotted See Thru Bit, 8K4Q19... \$4.99
- #080-146-008 #8 Slotted See Thru Bit, 8K4K19... 4.99
- #080-146-093 1/32" Hex See Thru Bit, 8K5G04... 5.99
- #080-146-109 1/64" Hex See Thru Bit, 8K5H11... 5.99
- #080-000-077 T-10 Torx See Thru Bit, 8K5L00... 5.99
- #080-000-078 T-15 Torx See Thru Bit, 8K5D09... 5.99
- #080-146-000 See-Thru Bit Set, 8K16N47... 21.99

## WARNE SCOPE RING TORQUE WRENCH

Helps Prevent Dented & Damaged Scopes



Puts an end to the "How tight do I make it" question. Helps prevent over-torque damage to your favorite scope. Break away torque wrench is pre-set and will not tighten T15 Torx screws tighter than 25 in. lbs., which is the maximum recommended by most scope and scope ring manufacturers. T-handle design is conveniently shaped to comfortably fit in the palm of your hand; simply engage the tip to the Torx screw, and tighten until the wrench "breaks away."

**SPECS:** Steel shank, plastic handle. 3 1/2" (8.8cm) long, 3 1/2" wide. Fits T15 Torx screws only.

- #947-000-152 Scope Ring Torque Wrench, 7D16H69... \$19.99

## STRAIGHT SHOT SEGWAY RETICLE LEVELER



Simple Device Helps Level Scope Reticle

Easy-to-use device helps ensure scope crosshairs are properly indexed with the center of the bore for maximum accuracy. Two-piece system easily attaches to the scope and uses a standard bubble level to indicate proper alignment. Works great for optics mounted on rifles, handguns, and shotguns. Helps get reticle level in seconds. MK-III has white and black stripes of different thickness to accommodate different vision preferences. Tactical fits Picatinny rails, has black and green stripes, and is taller to match taller rings typically found on Tactical Rifles.

- #100-011-731 Segway Reticle Leveler MK-III, 8F16H47... \$19.99
- #100-013-054 Segway Tactical Reticle Leveler, 8F17N05... 20.59

GUARANTEED.FOREVER.® SINCE 1939



**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. **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. Compact **Magnetic** model works on all calibers and firearm types. Attaches directly to the muzzle and eliminates the need for inserts or arbors. Cloth carrying case with pull cord for easy closing and secure storage.

**SPECS:** Collimator - Aluminum, hardcoat anodized finish, matte black. **Standard** contains (1) insert of each caliber: .177, .22, .25, .27, 6mm, 6.5mm, 7mm, .30, .32, .338, .35, .375, .44, .45, .50. Collimator - 4 3/4" (12cm) long. Inserts - Steel, 3 3/4" (9.5cm) long. Case - Vinyl, black, 3 1/4" (8.2cm) diameter x 5 1/2" (14cm) wide, rolled up. **Professional** contains 3 adjustable inserts: .22 to .270, 7mm to .35, and .35 to .45 calibers. Inserts - Steel, expandable, 4 1/2" (11cm) long. Collimator - 4 3/4" long. Case - Vinyl covered, hard sided, black, 5-3/8" (13.6cm) long x 2-1/8" (5.4cm) wide, 3 1/2" (9cm) high. **Magnetic** - Collimator - 3 1/4" long. Case - Cloth, black.

**#593-000-052** Professional Boresighter, 7K89E44 . . . \$99.99  
**#593-000-051** Magnetic Boresighter, 7K34173 . . . . . 42.99

**SIGHTMARK LASER BORESIGHTER**

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



Easy-to use bore sighting system fits in the chamber of your rifle or pistol and projects a powerful red laser beam aligned with the bore axis for sighting to the point of aim without firing a shot. Works with scopes, holographic red dot sights, and "iron" sights. Centerfire boresighters contain the entire laser system and batteries in the size of a normal cartridge case. 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. Boresighter 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. **.30-06** also fits. **25-06**, **.270 Win**, **280 Rem**, **7mm Express**, **7.7 Japanese**, **8mm-06**, **338-06**, and **.35 Whelen**. **.308** also fits **6mm Rem**, **.243 Win**, **.257 Roberts**, **.260 Rem**, **.284 Win**, **7x57 Mauser**, **7mm 08**, **8mm Mauser**, **.307**, **.356**, and **.358 Win**. **22 LR** and **17 HMR** boresighters use 2 AAA batteries (included) in an external pack.

- #100-004-011** 223 Rem Laser Boresighter, 8A24P50 . . . . . \$ 28.99
- #100-004-013** 30-06 Laser Boresighter, 8A25E96 . . . . . 29.99
- #100-004-015** 308 Laser Boresighter, 8A24I99 . . . . . 28.99
- #100-014-688** 300 AAC Blackout Boresighter, 8A25B33 . . . . . 35.99
- #100-004-012** 7.62x39 Laser Boresighter, 8A24J99 . . . . . 28.99
- #100-004-016** 9mm Luger Laser Boresighter, 8A25A45 . . . . . 28.99
- #100-004-017** 40 S&W Laser Boresighter, 8A24I99 . . . . . 28.99
- #100-004-018** 45 ACP Laser Boresighter, 8A24A99 . . . . . 28.99



**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 Bore Sighter's lens to convert it into a highly accurate Scope Reticle Leveler by refocusing the laser to a horizontal beam for precise crosshair alignment. SRL-100 also available separately. **SL-100 Standard Model** for use indoors, where you have control over ambient lighting. **SL-150 Ultra-Mag** has an ultra-bright 635nm laser for better visibility in bright, ambient light conditions. **SL-500 Ultra-Mag** uses a super-bright green laser for maximum visibility of the sighting dot in daylight and very bright ambient light.

- SPECS:** Aluminum. Includes (2) adapters, (12) O-rings, (2) cardboard target cards, SRL-100 adapter, instructions, and plastic storage case. **SL-100** - 6 1/8" (15.6cm) OAL without adapter, 4 1/8" (10.5cm) long spud. Uses (2) #357/ LR-44 batteries, included. **SL-150** - 6 1/8" (16.8cm) OAL, 4 1/8" (10.8cm) long spud. Uses (1) CR2 lithium battery, included. **SL-500** - 7 1/2" (19.1cm) OAL, 4 1/8" long spud. Projects a green sighting dot. Uses (1) CR123 lithium battery, included.
- #100-000-843** SL-100 Laser Boresighter, 8K103C97 . . . \$ 111.99
  - #100-002-429** SL-150 Ultra-Mag Laser Boresighter, 8K154C69 . . . . . 164.99
  - #100-004-085** SL-500 Ultra-Mag Laser Boresighter, 8K210J24 . . . . . 249.99

**OREGON TRAIL DEFENSE FIREARM STIPPLING TOOL KITS**



Helpful Tips...for Creating a Custom Surface Textures on Polymer-Frame Guns

Stippling has become a popular way for shooters to alter the exterior surface textures of polymer pistol and rifle grips, even magazines, to suit their needs. Kind of the 21st Century's answer to traditional checkering. Folks have used soldering irons and wood-burning tools, but by far the best way is to use the Oregon Trail Defense stippling tool. It has a short shaft to keep your hand close to your work, and has a low 25-watt heating element, so you don't have to worry about accidentally burning through the item you're working on. The tool comes with 5 interchangeable, heat-conducting brass tips for producing different textures. However, the best way to get EXACTLY the pattern and depth of texture you want is to get the **Deluxe Stippling Tip Kit**. Each of these tips screws onto the end of the stippling tool to enable you to create a custom texture that looks - and feels - like none other. The 12 stippling tips in the Deluxe Kit are: 20 lpi square, 20 lpi finish tip, wagon wheel, diamond pattern, square, X-pattern, small round, large round, and point tip, plus 3 waffle-pattern tips in 12 lpi, 16 lpi and 20 lpi. Using any one of these tips - or a combination of multiple tips - will enable you to produce the perfect non-slip surface texture for your polymer-frame rifle or pistol. **Brownells Gun Tech™ Note:** These stippling tool tips have 8-36 tpi right-hand female threads, so they will NOT fit the typical wood-burning tool. 🇺🇸

- #100-022-980** Stippling Tool Kit, 9H59I33 . . . . . \$ 59.99
- #100-027-838** Deluxe Stippling Tip Kit, 9H66N64 . . . . . 69.99



**SIGHTMARK UNIVERSAL LASER BORESIGHTER**



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

Compact, self-contained boresighting 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 boresighter 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.

**#100-004-010** Universal Laser Boresighter, 8A32K03 . . . \$ 33.99

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

**#100-002-512** Collimator Elevator, 5A90A34 . . . . . \$ 110.99



Instructional Video Available Online

**LOOKING FOR A GREAT DEAL?**  
 Go online and click on our **SALE & CLEARANCE** tab!!