

MASCOT®

PRECISION TOOLS

for the hobbyist and craftsman



Dear Hobbyist and Craftsman,

For many years, we've been using the phrase, "Tools for the Serious Craftsman" but never have we meant it more than now! It is with great pride that we introduce our newest, full color catalog showing the entire line of the finest selection of quality tools available.

Mascot® was "born" because true hobbyists demanded higher quality tools, the types used by professionals. As a division of Grobet File Company of America, the world's largest manufacturer of supplies for the professional jewelry making industry, Mascot® selected from these professional tools to create our hobby line. For nearly 45 years we've been providing hobbyists with what they need to get professional results.

You can buy our products or order them through your local hobby and craft store. We have always supported the retail establishments that carry our products and we continue to do so.

Thank you for choosing Mascot®!

Dear Hobby and Craft Retailer,

We hope you like our new catalog and feel it will be a terrific selling tool for your store. You'll notice the format of our catalog has changed slightly from the past. It is now designed more for the end user, who is your valued customer and, therefore, ours.

What has not changed is our dedication to providing the best quality products and supporting the retail stores that keep hobbies and crafts alive, active and growing.

Thank you for selling Mascot® Precision Tools!

TABLE OF CONTENTS

| | | | | | |
|----------|-----------------------------------|--------|----------|-----------------------------|----------|
| A | Abrasives Sets | 16 | P | Pegas Display Package | 21 |
| | Adapter Chuck, Twist Drill | 10 | | Pin Vise/Drills Sets | 9 |
| B | Blower, Combination | 19 | | Pin Vises | 9 |
| | Broaches/Reamers | 19 | | Pliers, various | 4, 5, 19 |
| | Brush, Steel Scratch | 20 | | Pocket Saw and Blades | 10 |
| | Brushes, Micro Cleaning | 19 | | Probes | 18 |
| | Buff Assortments | 19 | | Pullers, Wheel | 20 |
| | Burnishers | 8 | | Punches | 18 |
| C | Carvers | 18 | | Push Drills | 9 |
| | Clamp Sets | 16 | R | Rasps | 8, 13 |
| | Clamps | 16 | | Reamers | 9 |
| | Cleaners | 19, 20 | | Rouge, Polishing | 19 |
| | Cut-Off Wheels | 16 | | Rule, HO, O, N and S Scale | 20 |
| | Cutters | 4, 5 | | Rule, Metric/English Scales | 20 |
| D | Drills, Carbon Twist | 10 | S | Sanding Disks & Kits | 16 |
| | Drill Set and Assortments, Carbon | 10 | | Sanding Drums & Kits | 15 |
| | Drills, Hand | 9 | | Sawblade, Razor | 11 |
| F | Files, Swiss | 13 | | Sawblades, Jeweler's | 11 |
| | File Displays | 13 | | Saw Frames | 10 |
| | File Sets | 13 | | Scalpel | 7 |
| G | Gear Pullers | 20 | | Scalpel Blades | 7 |
| | Glue, Instant | 20 | | Scissors | 18 |
| H | Hammer/Screwdriver | 18 | | Scrapers | 8 |
| | Hammers | 18 | | Screwdriver Sets | 5,6 |
| | Heatless Wheels | 15 | | Screwdriver Sharpener | 6 |
| | Hemostats | 17 | | Screwdrivers, various | 6 |
| | Holder, Third Hand | 17 | T | Scribers | 18 |
| | Holders, 3 & 4 prong | 17 | | Solder Pick | 20 |
| | Holders, Twin Grip | 17 | | Third Hand | 17 |
| I | Inspection Mirrors | 12 | | Track Cleaners | 19,20 |
| J | Jeweler's Tools | 18, 19 | | Tweezers Set | 15 |
| K | Knife and Tool Sets | 6-8 | | Tweezers | 14,15 |
| | Knife Blades | 7 | | Twin Grip | 17 |
| | Knives | 6, 7 | V | Vises, Hand | 16 |
| M | Magnifiers, Headband | 12 | W | Wax, Jeweler's | 19 |
| | Magnifiers, various | 11, 12 | | Wheels, Cut off | 16 |
| | Mallets | 18 | | Wheels, Heatless | 15 |
| | Mandrels | 19 | | Wheels, Chamois | 19 |
| | Metal Polish | 19 | | Wood Carving Set | 8 |
| | Miter Boxes | 11 | | Woodworking Sets | 8 |
| | | | | Wrench Sets | 6 |

Pliers

The pliers in our line, like the majority of our tools, were developed for use in professional trades like jewelry, dental and electronics, and are sold in those areas today. We offer these fine tools to the hobbyist in a variety of styles and value levels.



SERIES 370 - VALUE SERIES PLIERS

This series stresses good quality and great value. Features normally seen on higher priced versions are standard on these fine lap joint pliers such as: stainless brushed finish, spring action return, closed cell cushioned handles and a solid feel.

- H370 FLAT NOSE PLIERS** - 5-1/4" long - Serrated jaws (straightening, flattening)
- H371 NEEDLE NOSE PLIERS WITH CUTTER** - 5-1/8" long Serrated jaws (bending, retrieving, close quarter work, wire cutting)
- H373 DIAGONAL CUTTERS** - 4-1/2" long (cutting)
- H374 END NIPPERS** - 4-1/8" long (surface flush cutting)
- H376 LONG NEEDLE NOSE PLIERS** - 5-3/8" long Serrated jaws (far reach access, retrieving, positioning)



SERIES 380 - ELECTRONIC SERIES PLIERS

Originally used exclusively in the Electronics field, these pliers have become a staple in the hobby industry for their quality, versatility and strength. All pliers feature smooth action lap joints, stainless brushed finish, double leaf spring returns and closed cell cushioned handles.

- H380 FLAT NOSE PLIERS** - 5" long - Smooth jaws (straightening, flattening)
- H383 DIAGONAL CUTTERS** - 4-1/2" long (cutting)
- H384 END NIPPERS** - 4-1/8" long (surface flush cutting)
- H385 BENT NOSE PLIERS** - 4-3/4" long - 50° bend Smooth jaws (odd angle access, bending, retrieving)
- H387 MINI LINEMAN'S PLIERS** - 4-7/8" long Serrated jaws (bending, cutting, gripping)



SERIES 490 - LONG RANGER SERIES PLIERS

Not just longer versions of standard miniature pliers, but designed with a different goal; to extend reach AND increase control. With longer handles and a joint closer to the jaws, the user can reach in further to grip or cut better. Outstanding for model railroading and general hobby use. Each features a brushed stainless finish, smooth lap joint construction, double leaf spring return and comfort grip handles.

- H495 LINEMAN'S PLIERS WITH CUTTER**
6-1/2" long - Serrated jaws (bending, cutting, gripping)
- H496 DIAGONAL CUTTERS** - 5-3/4" long (cutting)
- H497 BENT NOSE PLIERS** - 7-1/8" long - 45° bend Serrated jaws (odd angle access, bending, retrieving)



BOX JOINT PLIERS

These box joint pliers retain precise alignment, even under strain and after considerable use. Jaws open and close smoothly, never getting loose or wobbly.

SERIES 480 - JEWELER'S SERIES PLIERS (Box Joint)

These pliers are sold to the professional jeweler for the repair and manufacture of priceless jewelry. Smaller in size to allow more hand control, these tools are perfect for delicate manipulation of materials. All pliers feature top quality box joint construction, brushed satin stainless finish, smooth non-mar jaws, double leaf spring return and comfort grip handles.

- H480 FLAT NOSE PLIERS** 4-7/8" long - Smooth jaws (straightening, flattening)
- H481 CHAIN NOSE PLIERS** 4-7/8" long - Smooth jaws (bending, half-loops)
- H483 DIAGONAL CUTTERS** 4-1/2" long (cutting)
- H488 ROUND NOSE PLIERS** 4-7/8" long (full loops, round bends)

SERIES 400 - PREMIER SERIES PLIERS (Box Joint)

Perhaps the finest pliers and cutters available anywhere in the world. These pliers are designed with a slim-line profile allowing better height and width access. Manufactured of the highest quality steel, these German-made pliers feature the smoothest box joint construction, leaf spring return, brushed or polished finishes and smooth comfort grip handles.

H400 FLAT NOSE PLIERS 4-3/4" long - Smooth jaws taper to 1/8" wide at tip. Highly polished finish. (straightening, flattening)

H401 NEEDLE NOSE PLIERS 4-3/4" long - Smooth jaws taper to only 1/32". Highly polished finish. (bending, retrieving, close quarter work, wire cutting)

H402 NEEDLE NOSE PLIERS 4-5/8" long - Smooth jaws, brushed finished. Same features as H401 except without a spring return.

H403 DIAGONAL CUTTERS 4-1/2" long - Cutting edges set to snap-cut to tip. Highly polished finish. (cutting)



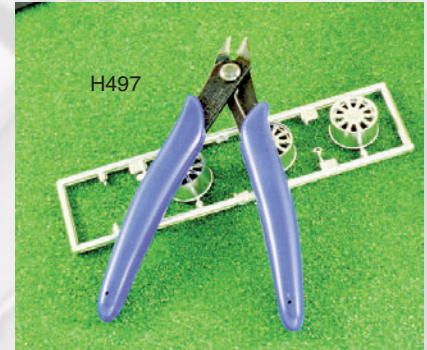
SPECIALTY PLIERS

H450 SPRUE CUTTING PLIERS

These simple, comfortable cutters allow safe and reliable flush cutting of plastic parts with little or no additional trimming required. Long lasting, extra sharp jaws, ergonomically correct comfort handles, and super smooth return spring action.

H420 FINE WIRE CUTTERS (not shown)

Same physical features as our H450 sprue cutter. These pliers are designed to cut soft wire up to .040" (1mm).



Screwdrivers and Wrenches

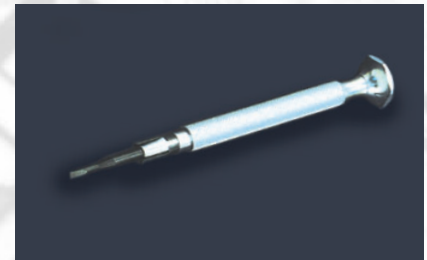
REVERSIBLE BLADE SCREWDRIVERS

The basics include: a few pair of pliers, a hobby knife, blades, clamps and of course..... screwdrivers.

Two great little screwdrivers that will meet 90% of the needs of most hobbyists.

H800 REVERSIBLE FLAT HEAD SCREWDRIVER

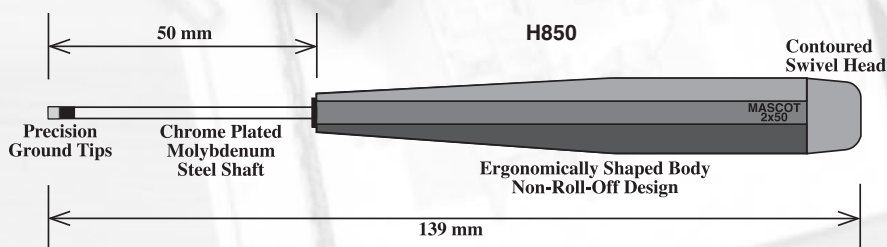
The blade has 1/16" and 3/32" ends. Perfect for screws used in miniature models, eyeglass frames and electronic products. The lightweight handle is knurled, polished aluminum with a swivel palm top. Overall length: 4-1/2".



SCREWDRIVER SETS

H850 6 PC. PRECISION SCREWDRIVER SET

We are especially proud of this new, high quality screwdriver set that is designed to provide long service and outstanding performance. This handsome set consists of six ergonomically shaped, lightweight screwdrivers, molded in texturized plastic, giving the hobbyist incredible control and comfort. The screwdriver shafts are molybdenum steel, hardened and chrome plated for strength and torque. The six tools come with precision ground tips in 4 flat head sizes (1.5 x 50mm, 2 x 50mm, 2.5 x 50mm and 3 x 50mm) and 2 Phillips head sizes (00 x 50mm and 0 x 50mm). Each piece fits securely in the hard plastic carrying case that is designed for hanging or storage.



⊖ 1.5 x 50 mm
2 x 50 mm
2.5 x 50 mm
3 x 50 mm

⊕ 00 x 50 mm
0 x 50 mm

Screwdrivers, Wrenches and Knives



H855

H855 5 PC. PRECISION SCREWDRIVER SET

Professional set of five precision screwdrivers. Dozens of uses in home, car, office, or workshop--repairing, adjusting, or assembling such things as transistors, eyeglasses, watches, timers, scale models, appliances, or anything else requiring tiny screws. Tempered steel blades have hollow ground tips to reduce slipping. Nickel plated handles are knurled for sure grip. Hex heads prevent screwdrivers from rolling off bench when laid down. Overall lengths: 3" to 3-5/8". Blade sizes: #1 (.085"); #2 (.080"); #3 (.068"); #4 (.058") and #5 (.048").



H853

H853 6 PC. METRIC SCREWDRIVER SET WITH TWO PHILLIPS

A rugged, top quality set of four flat screwdrivers (sizes 1.4mm, 2.0mm, 2.4mm and 2.9mm) and two Phillips screwdrivers (sizes #0 and #1). Case is impact resistant plastic. Blades are alloy steel, hardened, tempered, and rustproof. Swivel-head handles are chrome plated.

MICRO-MINIATURE SCREWDRIVER

Fits tiny screws found in eyeglass frames, calculators, cameras and electronics.



H847 SCREWDRIVER SHARPENER

Now, put the edge back on those dull screwdriver blades! This unique spring-action device holds screwdriver firmly in place while the steel wheels provide even action when rolled over the sharpening stone. Overall width: 1-9/16". (Stone and screwdrivers not included)



H804 EYEGLASS SCREWDRIVER

Handy 1/16" wide blade for all delicate work, such as eyeglass frames, electronic calculators, stereos, etc. Threaded cap screws on tightly to protect blade when not in use. For dealers, this item is individually carded and serves as a refill for the H8040 display



WRENCH SETS

H856 MINIATURE OPEN END WRENCH SET

Model makers, electronic hobbyists and metal craftsmen find these six miniature wrenches ideal for assembling or repairing small instruments or machines. Sizes include 3/32", 1/8", 5/32", 3/16", 1/4" and 5/16". Smooth, black oxide finish jaws are set in aluminum hex handles.

Knives

Our goal at Mascot® has always been to offer the right selection of the best quality products available. True hobbyists don't need 20 knives that are virtually the same but rather a select few that will meet all their needs. We've chosen the most popular and useful handles, blades and sets to help you, the hobbyist, meet those needs.



PRECISION KNIVES

H1 LIGHTWEIGHT KNIFE

#1 handle accepts all popular knife blades. Four jaw chuck for sure grip and fast blade change. Complete with one #11 blade. Handle length: 4-3/4".

H111 LIGHTWEIGHT KNIFE/BLADES SET (not shown)

Same as the H1 but with 3 blades: two #11 and one #16. Handle length: 4-3/4".

H2 MEDIUM WEIGHT KNIFE

Heavier version of the H1 knife. Comes with one #11 blade. This handle can also be used with our H102 razor sawblade, Handle length: 5".

H5 HEAVY DUTY KNIFE

Extra sturdy grip. Multi-use handle is hollow for storage of extra blades. Complete with one #11 blade. This handle can also be used with our H102 razor sawblade, Handle length: 4-1/2".

H30 SCALPEL WITH 2 BLADES

The hobbyist who is serious about precision, control and sharpness will really appreciate this true medical/surgical instrument. Packed with 2 sterilized stainless steel scalpel blades. Handle length: 4-7/8".

H30A BLADES FOR H30 SCALPEL

Pack of 5 individually sealed and sterilized stainless steel blades.

PRECISION KNIFE BLADES

H11, H16 Fits all popular knife handles such as H1 and H111. Five per reusable storage vial.

H19-24 Fits all popular knife handles such as H2 and H5. Five per reusable storage vial.

H11A 100 each #11 blades (boxed)

H111A 10 blades: five each #11's and five each #16's packed in a reusable storage vial.

SPECIALTY KNIFE BLADES

H110A MINI UTILITY KNIFE BLADES

Five double-end replacement blades for the H110 mini utility knife. Packed in a reusable storage vial.

HOBBY/CRAFT TOOL SETS

H866 DELUXE HOBBY/CRAFT MODELERS TOOL SET

This kit contains some of the most useful and popular items in our line: 3 knives, 20 blades, sander, miniature screwdriver, wedge, brushed aluminum miter box, razor sawblade, handle, and various other tools well suited for woodworking, model building and most crafts. The handsome wooden case with snaplock closure provides an attractive and practical storage chest for all items when not in use. Popular for Christmas giving, birthdays and other special events. Packaged to sell in an attractive, full-color merchandising carton.

KNIFE SETS

H182 PRECISION KNIFE SET

Contains the H1 lightweight, H2 medium weight and H5 heavy duty precision knives with blades. The H2 and H5 knife handles can also be used with a razor sawblade such as the H102. Extra blades can be stored in the hollow H5 handle and in the bottom of the tray. Has special appeal for craftsmen, hobbyists and artists. A terrific set and also a wonderful gift!

H865 DELUXE KNIFE SET

Three fine quality knives in deluxe wooden case. The three precision hobby knives needed most often by hobbyists, craftsmen and artists; plus a vial of 10 assorted extra blades. Knives include: H1 lightweight hobby knife; H2 medium weight knife and H5 heavy duty knife. Handles of the H2 and H5 knives are also suitable for use with the H102 razor sawblade. Ten extra blades are included: one each of the #16, #19, #24 and #25; and two each of the #11, #22 and #23. Packaged to sell in an attractive, full-color merchandising carton.



Woodworking Tools



The craftsmen that work with wood often are unable to describe the joy they get from transforming raw stock into a finished work of art. Their skills are developed over many years and the tools used for this purpose become an extension of the craftsmen themselves. Mascot® knows that only the best quality tools will suffice in this endeavor and have dedicated ourselves to supplying only the best!

CARVING KNIVES

H860 WOOD CARVING KNIFE SET

A four piece set of wood carving knives with all the Old World quality and attention to detail a craftsman looks for. Special alloy steel blades are set in hardwood handles specially shaped to complement each individual type of blade. Package features a reusable wood tool holder, which can be mounted on wall or workbench. Plastic clamshell package can be used to store small parts.



WOODWORKING SETS

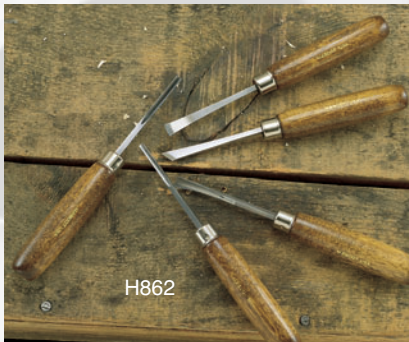
Mascot's woodworking tool sets have high quality American workmanship in every tool. We offer both standard size and miniature versions. Each set has five basic shapes and you have a choice of palm-grip mushroom-shape handles or the conventional straight handle styling. All sets are supplied in a reusable plastic clamshell package which includes a wooden hanger for wall or workbench mounting.

MINIATURE

Miniature versions H863 and H864 have 7/32" bent square chisel, 1/4" straight skew chisel, 3/32" straight small gouge, 7/32" bent large gouge, and 3/32" bent "V" parting tool.

H863 Mini palm-grip, mushroom-shaped handles. Overall length: 4-1/2".

H864 Mini conventional straight handles. Overall length: 5-1/2". (not shown)



STANDARD

Standard sets H861 and H862 contain 5/16" bent square chisel, 5/16" straight skew chisel, 5/32" straight small gouge, 5/16" bent large gouge, and 5/32" bent "V" parting tool.

H861 Palm-grip, mushroom-shaped handles. Overall length: 5". (not shown)

H862 Conventional, straight handles. Overall length: 6".



BURNISHERS

Oval-shaped, tool steel, 1-1/2" long blade, firmly set in a wooden handle. For use by jewelry craftsmen, model builders and metalworkers for smoothing and finishing soft metals or setting edges on knives and scrapers.

H296 Curved blade

SCRAPER

Here is another of those multi-use tools craftsmen depend on. It is designed for cleaning, smoothing, deburring metals, cleaning surfaces for soldering; removing excess solder; scraping off oxides and paint for better electrical contact; opening bezels. Hollow sided, sharp-edged triangular blade is mounted firmly in hardwood handle.

H297 Scraper



RASPS AND REAMERS

H779 WOOD RASP SET

Five shapes most commonly used by woodworkers have been brought together in this high quality set. Equalling, flat, half-round, round, and three-square rasps have wide tooth design preferred for giving a rough surface to wood or plastic. Packaged in a storage pouch, these fine tools are only 5-1/2" in length and fitted with ribbed plastic handles for sure grip. Made in Switzerland for Mascot®.

H311 SET OF 6 MINIATURE REAMERS (Broaches)

These handy tools finish up the job when drills cannot deliver an exact size hole. Hobbyists and craftsmen use them for enlarging; shaping; cleaning; cutting holes in metal, wood, plastic, or fiber. Assorted sizes, drill gauge 42 to 73. Ergonomic handles shaped for easy gripping. Sturdy vinyl storage pouch included. Made in France for Mascot®.



Drills and Pin Vises

Once again, a quality selection is pivotal in finding the right tool. Mascot® offers unique drills, pin vises and twist drill bits in a wide selection of superior quality for the discerning hobbyist.

PIN VISES

H815 SLIDE-LOCK PIN VISE

The Mascot® slide-lock pin vise features solid steel jaws with a lightweight aluminum handle. The knurled ring slides forward to close the jaws around the drill or wire. Easily operated with one hand. Length 4-1/8". Capacity 0 to .051" (0 to 1.29mm). Made in France for Mascot®.

H810 DOUBLE-END PIN VISE

A different sized steel collet mounted at each end of the hollow handle makes this a highly versatile tool for hobbyists and craftsmen. Can be used to hold drills, taps, reamers, wire, rods or precision knife blades. Collet capacity 0 to .081" (0 to 2.06mm). Nickel plated. Overall length 4-1/2". Made in France for Mascot®.

H811 SWIVEL-HEAD PIN VISE

Just 3-5/8" long, all metal, with flat, hexagonal swivel-head. Comes with two double-end collets providing 0 to .125" (0 to 3.17mm) capacity. Ideal for firmly holding wire or small tools such as drills, taps, reamers or burs. Room in handle for holding extra collet. Made in USA.



SWIVEL -HEAD PIN VISE/DRILL SETS

H812 WOOD BALL SWIVEL-HEAD PIN VISE/DRILL SET

Our smooth-sanded wood ball swivel-head fits perfectly into the palm so that light pressure can be applied when needed, while still allowing finger control of drill action. Comes complete with two collets to hold ranges 0 to .089" (0 to 2.26mm) and a set of six carbon steel twist drills in sizes: #50, 56, 60, 65, 70 and 76. Our pin vise is only 3-1/2"! Made in France for Mascot®. Drills are produced in Germany.

H822 SWIVEL-HEAD PIN VISE/DRILL SET

Mascot's very popular U.S. made H811 metal swivel-head pin vise comes with six carbon steel drills in sizes: #50, 56, 60, 65, 70 and 76. Includes two double-ended collets for 0 to .125" (0 to 3.17mm) capacity. Twist drills are produced in Germany.



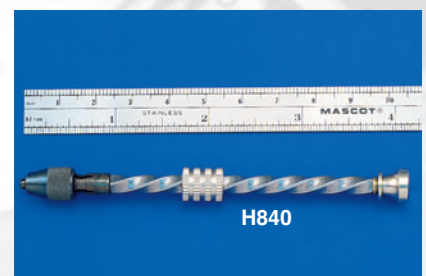
DRILLS

H841 SPIRAL HAND DRILL

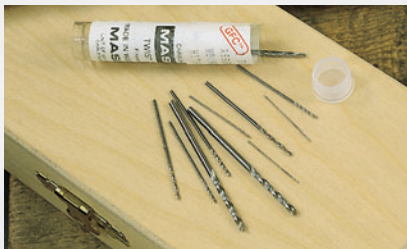
A much smaller version of a drill used for over a century. The simple push down handle smoothly rotates the shaft and turns the drill. Spring action pushes the handle back up and its ready to go again! You'll be amazed at how effortless this drill is to use. Length is approximately 7-3/4" with a drill capacity of 0 to 1.0mm (.040" - #60 drill). Made in the USA.

H840 MINI SPIRAL HAND DRILL

An even smaller version of that same drill! This mini drill is only 4" long and incorporates a push-down ring which rotates the drill. Drill capacity is 0 to .8mm (.32" - #67 drill). Made in England for Mascot®.



Drills, Accessories and Saws



TWIST DRILL ASSORTMENTS AND DISPLAY

H86 ASSORTMENT OF 6 DRILLS

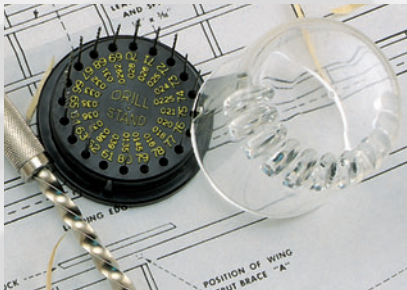
Size Nos. 50, 56, 60, 65, 70 and 76. Packed in a reusable vial (uncarded).

H178 1 DZ. ASSORTED DRILLS

No. 50 to No. 80. Packed in a vial and carded.

H177 20 PC. CARBON TWIST DRILL SET

20 piece set with drill numbers 61 to 80 (.013" to .039"). Equips serious craftsmen to handle a wide range of jobs. All drills are premium quality, carbon steel. Plastic cover and base are marked with drill sizes. Keeps drills organized and dustfree.



TWIST DRILL ADAPTER

H982 TWIST DRILL ADAPTER WITH 2 COLLETS

The 3/32" shaft fits all portable electric rotary tools. Collets permit use of miniature drills sizes #80 (.014") to #50 (.070"). Made in USA.

MINIATURE CARBON TWIST DRILLS

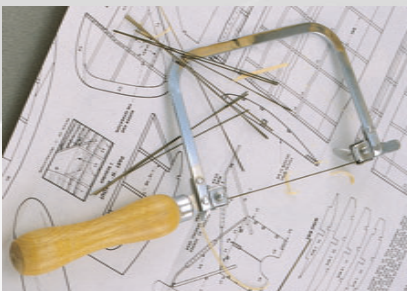
Mascot® has the most complete selection of carbon steel twist drills:

31 miniature sizes from No. 50 through No. 80 These premium quality, German-made drills are packaged 1 dozen of a size to a plastic vial. Order by drill gauge number.



TWIST DRILL SIZES

| Drill Size | (in) | (mm) | Drill Size | (in) | (mm) | Drill Size | (in) | (mm) |
|------------|-------|--------|------------|-------|--------|------------|-------|--------|
| 50 | 0.070 | 1.7780 | 61 | 0.039 | 0.9906 | 72 | 0.025 | 0.6350 |
| 51 | 0.067 | 1.7018 | 62 | 0.038 | 0.9652 | 73 | 0.024 | 0.6096 |
| 52 | 0.064 | 1.6129 | 63 | 0.037 | 0.9398 | 74 | 0.023 | 0.5715 |
| 53 | 0.060 | 1.5113 | 64 | 0.036 | 0.9144 | 75 | 0.021 | 0.5334 |
| 54 | 0.055 | 1.3970 | 65 | 0.035 | 0.8890 | 76 | 0.020 | 0.5080 |
| 55 | 0.052 | 1.3208 | 66 | 0.033 | 0.8382 | 77 | 0.018 | 0.4572 |
| 56 | 0.047 | 1.1811 | 67 | 0.032 | 0.8128 | 78 | 0.016 | 0.4064 |
| 57 | 0.043 | 1.0922 | 68 | 0.031 | 0.7874 | 79 | 0.015 | 0.3683 |
| 58 | 0.042 | 1.0668 | 69 | 0.029 | 0.7417 | 80 | 0.014 | 0.3429 |
| 59 | 0.041 | 1.0414 | 70 | 0.028 | 0.7112 | | | |
| 60 | 0.040 | 1.0160 | 71 | 0.026 | 0.6604 | | | |

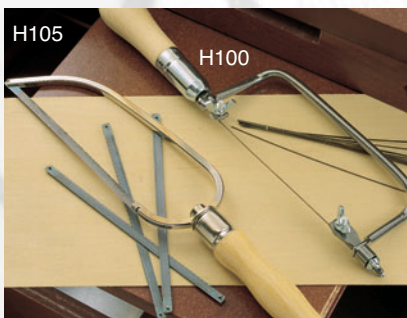


H99 HOBBY SAW WITH 12 BLADES

In response to your demands, here is a high quality, low priced hobby saw. This saw holds blades securely and offers the rigidity needed to get an accurate, controlled cut. It comes packed with 12 of the finest Swiss-made jewelers' sawblades.

H105 ADJUSTABLE POCKET HACKSAW

Handymen, craftsmen, repairmen and mechanics all rely on this versatile hacksaw when there is work to be done in hard-to-reach places. The handle can be fixed in any position on the frame by simply sliding it to a desired spot, then turning the handle to tighten it in place. Specially hardened blade edges cut metal, wood, plastic, horn, bone and fiber. The hacksaw is 12-1/4" in length and folds to 7-1/2" long. Blade length is 6". Hacksaw supplied with plastic storage pouch.



H105A THREE BLADES FOR H105 POCKET HACKSAW

H100, H103 JEWELERS' SAW FRAMES WITH 12 BLADES

Model makers, wood craftsmen and jewelry hobbyists know how indispensable well balanced saw frames like these can be when it comes to intricate cutting, scroll work, piercing or veneer work. Frames have unique offset styling which permits an unobstructed view of the work. End-screw adjustment gives excellent tension control while special wing nut design holds blade in position. The frame itself is medical grade stainless steel.

H100 2" throat, popular for most uses

H103 4" throat, for larger work



Sawblades and Miter Boxes

CUTTING, FINISHING AND WOODWORKING BLADES

H100A, D, E, S JEWELERS' SAWBLADES

In packages of 2 dozen. Blades are 5" long; fit H99, H100, H103 and any other standard jeweler's saw frames. Piercing saws have rounded backs for easy turning when cutting intricate shapes and are used for cutting all metals, bone, plastics, wood and pearls. Spiral saws cut in any direction and are used for soft materials like wax, plastics, plaster, balsa, etc. Made in Switzerland for Mascot®.

H100A PIERCING SAWBLADES

One dozen each, Coarse No. 8 and Medium No. 4.

H100D PIERCING SAWBLADES

One dozen each, Fine No. 1 and Extra Fine No. 2/0.

H100E PIERCING SAWBLADES

One dozen each, Super Fine No. 4/0 and Ultra Fine No. 8/0.

H100S SPIRAL SAWBLADES

Two dozen each, Medium cuts.

H120-H125 JEWELERS' SAWBLADES,

Bulk Packaged

Dispenser tubes contain 12 dozen blades of each size. Each tube identifies blade size. Dispenser tubes save money, and make selling jewelers' sawblades faster and easier. All Mascot® jewelers' sawblades are of the finest quality, made to cut metal, bone, plastic, wood, etc. Made in Switzerland for Mascot®.

H120 No. 3 blades

H122 No. 1 blades

H124 No. 2/0 blades

H121 No. 2 blades

H123 No. 0 blades

H125 No. 4/0 blades

H102 RAZOR SAWBLADE

1-1/4" blade, 24 teeth per inch. Fits all popular knife handles such as H2 and H5. Ideal for use with all precision miter boxes listed below.

MITER BOXES

H206 PRECISION MITER BOX

Just 5-1/2" x 2", ideal for small and miniature work. Aluminum, with one 90° and two 45° cutting slots. For use with a razor sawblade such as H102.

H208 MINI MITER BOX

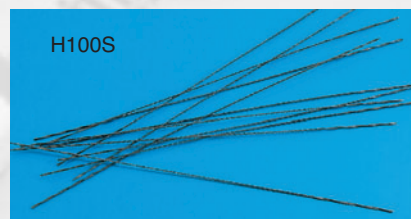
This plastic miniature miter is the perfect hobby box companion. Its lightweight and small surface design lets the user carry it wherever he goes. This is a must for on-the-go club members.

H209 DOUBLE BENCH MITER BOX

An ingenious device that offers the user portability and versatility! This double miter has an extra small miter on one side and a small miter on the other. You flip it over and the miter catches on the lip of the bench or table, securing it for work. Outstanding for precision cutting of rail, balsa, tubing or rod. This is great for model railroaders, ship builders, model aircraft enthusiasts and slot car racers.



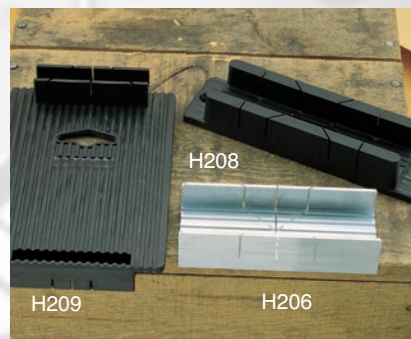
H100A, D, E



H100S



H102



H208

H209

H206

Magnifiers

MAGNIFICATION

The common denominator among all hobbies and crafts is the need for magnification. Mascot® has always prided itself on providing the best, highest quality and most diverse collection of magnifiers available. The various models of optical aids offer: enhanced viewing from a variety of angles; extreme close ups; multiple magnifications; hands-free use; and even built-in lights. You'll find all you need listed here!

EYE LOUPES

H899 SPECTACLE LOUPE

An economical 2X loupe that attaches easily to your glasses with a scratch proof, plastic coated clip. Users will enjoy the flexibility of a lightweight magnifier that can be used with their own prescription and flipped out of the way for convenience.

H900 EYE LOUPE MAGNIFIER

2.5X magnification. Very useful in speeding the job of assembling small parts and making close-up inspections quick and easy. Single ground and polished lens is set in a lightweight plastic frame.



H900

H899

Magnifiers



POCKET SIZE

H901 HIGH POWER 10X MAGNIFIER

Two lenses in single frame. Folds into its nickel plated, compact frame. A protective carrying case is included.



H903 POCKET MAGNIFIER WITH 2 LENSES

Two separate 3X lenses which can be used together to get 6X magnification. High impact plastic hinged case protects lenses when not in use.

INSPECTION MIRRORS

These 1" diameter mirrors allow inspection of work or objects obscured from direct sight. Mirrors are detachable, stainless steel and mounted in 8" long, non-conductive plastic handles.

H905 PLAIN MIRROR

H906 MAGNIFYING MIRROR



HANDS FREE

H909 BENCH MAGNIFIER

Provides 3X magnification. The 2-1/2" diameter lens can be positioned in any direction and the sturdy, heavy metal base keeps it rock steady.

DUAL FOCUS

H904 1-1/2X MAGNIFIER WITH 3X INSERT

A traditionally shaped magnifier that allows full view 2X magnification with a 4X built-in insert for close up inspection. Lightweight and compact, at less than 5" long.

HEADBAND STYLE

H910 BINOCULAR MAGNIFIER

This ideal tool is for detailed work over long periods. It is ultralight, and the adjustable headband is padded for maximum comfort. Fits comfortably over most eyewear and tilts up when not in use. Scratch-resistant, acrylic lens gives 2-1/2X magnification with a 10" working distance.

H999 MULTIPLE MAGNIFICATION LIGHTED HEADBAND MAGNIFIER

This high quality instrument has everything the hobbyist could want! To start, it offers 4 different magnifications-BUILT IN! This unique optical device has a fixed main lens, a pivoting lens right behind it and an outside loupe. Magnifications of 1.8X, 2.3X, 3.7X and 4.8X are achieved by pivoting the inner lens up or down, and swinging the loupe on or off the eyeway. Working distances of 1-1/2" to 10" are possible. To achieve ultimate viewing, there are two independent work-directed lights on each side of the magnifier. The visor section is designed to fit very near the forehead, cutting out ambient light, still allowing the headband to be tilted up. The swing-down loupe can be moved from the right to the left eye with a screwdriver. This durably constructed tool has a hook-and-loop type headband. Requires 4 AAA batteries (not included).



From rapid removal of stock to the most detailed smoothing of your finished project, only Mascot® can offer this unparalleled selection of quality files, rasps and reamers for the serious hobbyist.

SWISS FILES

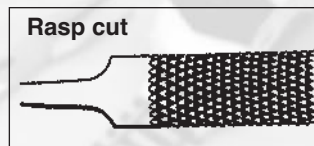
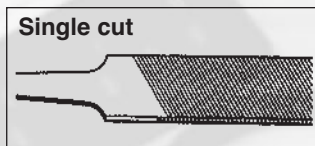
When looking for quality files, most experts agree that true Swiss files are the only real choice. Mascot®, though its parent company, Grobet File Company of America, offers this selection of what we consider the best Swiss files for the hobbyist and craftsman. You won't find better files anywhere.

FINE

SWISS SINGLE CUT FILES - INDIVIDUALS

Top quality, miniature files get plenty of use smoothing, deburring and shaping work in metal, wood or plastic. Files are hard chrome steel, fine cut, 5-1/2" (14cm) long, and have handles shaped for firm gripping. The single cut means less clogging and easier cleaning.

- | | | | |
|--|----------------------------|---|----------------------------|
|  | H770 - POINTED FLAT |  | H771 - HALF-ROUND |
|  | H772 - ROUND |  | H773 - SQUARE |
|  | H774 - EQUALLING |  | H775 - THREE-SQUARE |



SWISS SINGLE CUT FILE SETS

Shapes selected from our individual Swiss single cut files shown above.

H777 3 PC. SET - Three-square, round and half-round.

H778 6 PC. SET - Pointed flat, half-round, round, square, equalling and three-square in a handy vinyl pouch.

H7001 36 PC. SWISS SINGLE CUTFILE DISPLAY (not shown)

Perfect for the retailer. All six shapes on a 10-1/2" x 11" display for counter top or wall hanging. Set includes 36 files (six each of H770-H775), display board and wire rack.

ALL PURPOSE FILES

H780 6 PC. UTILITY FILE SET (German)

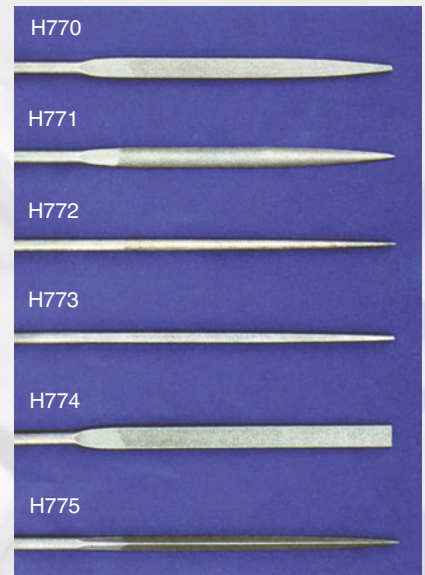
This handy set consists of six American Pattern file shapes: square, half-round, triangular, round, flat and warding. Each file has about a 4" length of cut with an overall length of 7". Each wooden file handle is treated with a smooth lacquer finish. These files feel good in your hand, perform wonderfully, and even look great on your workbench. Packaged in a reusable hanging storage pouch. Made in Germany for Mascot®.

COARSE

H779 WOOD RASP SET

Five shapes most commonly used by woodworkers have been brought together in this high quality set. Equalling, flat, half-round, round and three-square rasps have wide tooth design preferred for giving a rough surface to wood or plastic. Packaged in a storage pouch, these fine tools are only 5-1/2" in length and fitted with ribbed plastic handles for sure grip.

Note: All Swiss files are produced in our factory in Switzerland.



Tweezers



HOLDING AND FASTENING TWEEZERS

Our holding and fastening tweezers allow the hobbyist to free up one hand for positioning, gluing or painting. All are made in our New Hampshire plant of the highest quality nickel plated steel.

H500 CROSS-LOCK TWEEZERS, 6-1/2"

Serrated, blunt tips. Great for assembly or soldering when a clamp is too large. Self-closing tips provide the right amount of tension to hold articles firmly.

H509 CROSS-LOCK TWEEZERS, 4-3/4"

Same cross-locking mechanism as the H500 except with a shorter length for close quarters and pointed, smooth tips for picking up and holding smaller items without marring.

H504 SLIDE-LOCK TWEEZERS, 5-7/8"

Slender, rounded, serrated tips. Slide-lock keeps points closed to hold small parts.

H507 SLIDE-LOCK TWEEZERS, 4-3/4"

A smaller version of the H504, this compact model features sharp, smooth points.



RETRIEVING TWEEZERS

We offer the most popular selection of tweezers for retrieving small parts in otherwise inaccessible locations. U.S. made, in our New Hampshire plant, of the highest quality nickel plated steel.

H512 RETRIEVING TWEEZERS, 6"

The right size for many jobs. All the features of the 8" (H520) in a more compact length.

H511 STRAIGHT TWEEZERS, 7"

The extra long slender shanks are 2-3/4" and taper to sharp, slightly round, non-mar tips. Large, flat gripping area provides comfort and control.

H520 RETRIEVING TWEEZERS, 8"

These extra long tweezers are the perfect tool for getting to the farthest reaches while still maintaining absolute control. Features include round, serrated tips and fingergrrips to ensure a firm, non-slip hold.



CURVED TWEEZERS

Mascot® offers 3 varieties of curved tweezers. Each helps the hobbyist get to those hard-to-reach areas, while providing a less obstructed view of the object. All are made in our New Hampshire plant of the highest quality nickel plated steel.

H510 CURVED TWEEZERS, 6-7/8"

Our longest curved tweezers reaching almost 7" with extra long, pointed smooth tips and large finger pads for sure grip.

H505 CURVED TWEEZERS, 6"

Traditionally styled curved, sharp pointed, serrated tweezers with fingertip ribs for sure handling.

H508 CURVED TWEEZERS WITH PIN, 4-1/2"

These sharp serrated points are kept straight and on track by the alignment pin when manipulating small parts. Fingertip ribs along the holding area ensure precise control.



PRECISION TWEEZERS

Every hobbyist needs a small pair of extra sharp precision tweezers. The strong, sharp points are used where delicate control is a necessity and smooth tips prevent damage to your work.

H506 SHARP POINTED TWEEZERS, 4-3/4"

Sharp points, light tension, beveled and tapered shanks combine to give the precision and accurate control preferred by hobbyists and professional craftsmen. Made in our New Hampshire factory.

H501 FINE POINTED TWEEZERS, 4-1/4"

Beveled and tapered shanks provide accurate control of points for sorting, holding, probing, etc. These are light-tension tweezers with finely honed, needle-sharp points. These tweezers are manufactured in Switzerland of nickel plated steel.

Tweezers and Motorized Handpiece Accessories

SPECIALTY TWEEZERS

H503 STAMP TWEEZERS, 4-1/2"

Originally designed for the stamp collector, hobbyists insist its uses are more diverse. The flat, rounded edges meet perfectly to form a small spatula, capable of picking up, without damaging, delicate materials. Nickel plated steel. Made in our New Hampshire factory.

H530 MAGNIFYING TWEEZERS, 3-5/8"

This combines a glass 1" diameter magnifier and sharp, pointed tweezers to create a powerful tool for finding and picking up small items with only one hand. Although you will find a multitude of uses for this tool, it is absolutely, without parallel, the best for splinter removal. Imported for Mascot®.

H532 SOLDER/UTILITY TWEEZERS, 4"

These great general purpose tweezers are the right size for the hobbyist's toolbox. It combines a large flat grip area, slender shanks and squared-off, serrated tips.

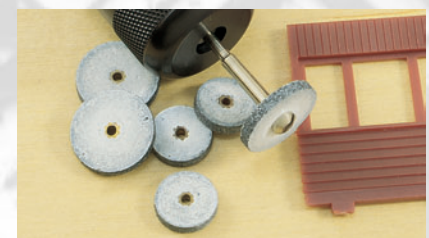
H533 SLOTTED TWEEZERS, 4"

Unique to Mascot®, this item features a small slot on each side of the smooth tips. Model boat builders will find this especially useful for manipulating rigging.

H515 GLASS FILLED TWEEZERS, 4-1/2" These economical tweezers are virtually indestructible. These tweezers, with medium point serrated tips, are non-corrosive, non-conductive and anti-magnetic. Imported for Mascot®.

H521 ALL PURPOSE TWEEZERS SET

Contains five of our New Hampshire made tweezers that fit 90% of the needs of the hobbyist. Includes 4-1/2" sharp pointed tweezers, 4-3/4" stamp tweezers, 6" retrieving tweezers, 6" solder-utility tweezers and 6-1/2" self-closing tweezers. Packaged in sturdy, vinyl pouch.



MINIATURE DRUM SANDERS

Our drum sanders are made of glue-bonded silicon carbide. These no-lap bands are superior in strength and durability to lapped bands and offer faster cutting and smoothing. All our mandrels feature extra strong 1/8" steel shanks and sure-grip rubber heads. Available in head diameters of 1/4", 3/8" and 1/2", and grit textures of Fine (120), Medium (80) and Coarse (60).

1/4" DRUM SANDERS

H1031 Set of 12 with mandrel. Includes 4 each Fine, Medium and Coarse sanding bands.

H1032 1/4" - Fine **H1033** 1/4" - Medium **H1034** 1/4" - Coarse

H1035 1/4" Replacement mandrel for H1031 (1/8" shank)

3/8" DRUM SANDERS

H1036 Set of 12 with mandrel. Includes 4 each Fine, Medium and Coarse sanding bands.

H1037 3/8" - Fine **H1038** 3/8" - Medium **H1039** 3/8" - Coarse

H1040 3/8" Replacement mandrel for H1036 (1/8" shank)

1/2" DRUM SANDERS

H1041 Set of 12 with mandrel. Includes 4 each Fine, Medium and Coarse sanding bands.

H1042 1/2" - Fine **H1043** 1/2" - Medium **H1044** 1/2" - Coarse

H1045 1/2" Replacement mandrel for H1041 (1/8" shank)

HEATLESS WHEELS

These outstanding hard, square-edged wheels are used for deburring and finishing. The real benefit to the hobbyist is the loose, coarse construction which makes the grinding process cool and suitable for plastic finishing.

H1046 Heatless wheel kit - 6 assorted wheels with mandrel

H1047 Heatless wheels - 1/2" x 3/32" - 10 pieces

H1048 Heatless wheels - 5/8" x 3/32" - 10 pieces

H1049 3/32" BUR AND WHEEL STAND

This bright, 3" x 5" stand will hold your 3/32" shaft tools upright and ready for quick access.

Motorized Handpiece Accessories, Clamps and Vises



H1025 YELLOW SANDING DISKS

For your intricate sanding needs. High quality aluminum oxide is bonded to flexible paper making hard-to-reach places accessible. When it's time to change grits, the old disk is simply flipped off the ingenious mandrel and a new one is pressed on and holds firm! Available in Fine, Medium and Coarse or try the H1025 kit to sample all grits. Yellow sanding disk kit- 7/8" diameter - 30 assorted with mandrel



H1030 CUT-OFF WHEELS 7/8" DIA. 50 PC.

These high speed resin-bonded aluminum oxide disks offer fast, cool and smooth cutting on all metals. Use with screw end wheel mandrel found in set H465 on page 19.



11.710 ABRASIVES CLASSIC SET

12 compartment box contains:

- | | | |
|---------------------------------------|---|--|
| 11.220 Bands-No-Lap 3/8 Fine | 11.224 Bands-No-Lap 1/2 Medium | 17.901 Mtd Satin Finish Buff 3/4 Fine |
| 11.221 Bands-No-Lap 3/8 Medium | 11.225 Bands-No-Lap 1/2 Coarse | 17.902 Mtd Satin Finish Buff 3/4 Med |
| 11.222 Bands-No-Lap 3/8 Coarse | 11.204 Mandrel For No-Lap 3/8X3/32 | 16.962 Mtd Cup Br 9/16 Brass 3/32 |
| 11.223 Bands-No-Lap 1/2 Fine | 11.208 Mandrel For No-Lap 1/2X3/32 | 16.967 Mtd Cup Br 9/16 Steel 3/32 |

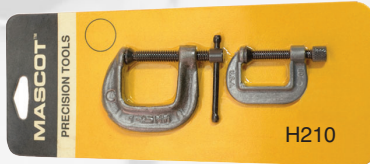


11.700 ABRASIVES PREMIUM SET

18 compartment box contains:

- | | | |
|---------------------------------------|---|--|
| 11.217 Bands-No-Lap 1/4 Fine | 11.223 Bands-No-Lap 1/2 Fine | 16.962 Mtd Cup Br 9/16 Brass 3/32 |
| 11.218 Bands-No-Lap 1/4 Medium | 11.224 Bands-No-Lap 1/2 Medium | 16.967 Mtd Cup Br 9/16 Steel 3/32 |
| 11.219 Bands-No-Lap 1/4 Coarse | 11.225 Bands-No-Lap 1/2 Coarse | 17.901 Mtd Satin Finish Buff 3/4 Fine |
| 11.220 Bands-No-Lap 3/8 Fine | 11.204 Mandrel For No-Lap 1/4X3/32 | 17.902 Mtd Satin Finish Buff 3/4 Med |
| 11.221 Bands-No-Lap 3/8 Medium | 11.204 Mandrel For No-Lap 3/8X3/32 | 17.908 Mtd Satin Finish Buff 1 Fine |
| 11.222 Bands-No-Lap 3/8 Coarse | 11.208 Mandrel For No-Lap 1/2X3/32 | 17.909 Mtd Satin Finish Buff 1 Med |

One tool a hobbyist can't do without is a device to help hold your project in place. The following pages further illustrate Mascot's dedication to providing the largest selection of the most needed tools for the hobbyist.



MINIATURE CLAMPS

H210 MINIATURE "C" CLAMP SET

Set contains two sizes: 1" maximum opening with 3/4" depth; and 3/4" maximum opening with 5/8" depth.



H213 MINI CLAMP SET, 1"

These extruded resin clamps offer lightweight, non-mar jaws and secure clamping action. Set of 2.

H214 MINI CLAMP SET, 2"

Same features as H213 with a larger jaw opening. Set of 2.

JEWELER'S CLAMPS

H150 FILE BLOCK AND CLAMP

This handy bench extension gives the extra support and space needed for filing, sawing and drilling. Block size: 2-1/2" x 7-1/2". Clamp fits table up to 1-3/4" thick.



H199 HAND VISE

Sturdy but lightweight vise mounted on a wooden handle. 1-1/4" smooth jaws open to 1". Well balanced. Overall length: 6-1/4".



H202 NON-MAR WEDGE CLAMP

Leather lined jaws tighten, without marring objects, as the wedge at the opposite end is driven in. Both ends (round and square) are leather lined. Solid body and wedge are made of tough Dupont Minlon. 6-1/2" long.

Holders and Hemostats

SMALL PARTS PICKUP

WIRE PRONG HOLDERS

Pickup the smallest objects with these handy 3 and 4 prong holders. Great for picking up small parts, for positioning and painting and getting into hard-to-reach spots. Length: 4-5/8" opens to 5/8" diameter.

H203 3 PRONG HOLDER

H204 4 PRONG HOLDER

H203A 3 PRONG MINI-HOLDER

All the features of the H203 but only 2-1/4" long!



HANDS FREE HOLDERS

H200 THE THIRD HAND

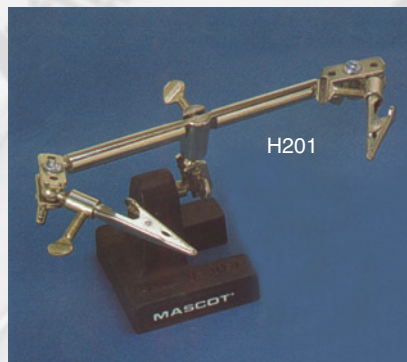
6-1/2" long, cross-locking tweezers (H500), mounted on double ball joint assembly. Base is heavy iron. Tweezers featured on page 14.

H201 TWIN GRIP

Has two alligator-type spring clamps, mounted on ball joints for flexibility and tightened with wing nuts so that they stay in position. Cross bar and clamps can be removed and replaced with tweezers. Cross bar 5-1/2" long (exclusive of clips). Heavy base gives no-tip stability.

H205 TWIN GRIP WITH 2X MAGNIFIER

All the features of the H201 with a 2X glass magnifier attached. Ball joints permit positioning of clamps and magnifier at any angle. Center bar can be removed and replaced with H500 cross-locking tweezers.



HEMOSTATS

Versatile as super slim needle nose pliers, heat sinks, fuel line clamps or vises. Three-position ratchet allows setting degrees of clamp pressure. Polished stainless steel construction.

STRAIGHT

H340 KELLY STYLE

Straight, coated handles, 5-1/2".

H342 KELLY STYLE

Straight, 5-1/2".

H344 ROCHESTER STYLE

Straight, 6-1/4".

CURVED

H341 KELLY STYLE

Curved, coated handles, 5-1/2".

H343 KELLY STYLE

Curved, 5-1/2".

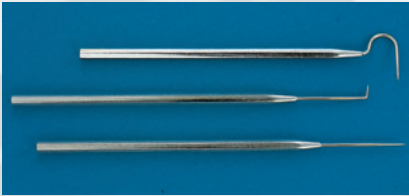


Scribers, Probes, Scissors, Hammers and Mallets



H300 DOUBLE-ENDED SCRIBER

Made of finest crucible steel, with two finely honed points. Overall length: 7". For easy, precise engraving, scribing or marking on glass, metal, plastic and ceramic.



H301 AUTOMATIC PUNCH

Pencil-sized, 5-5/8" long. Embosses, perforates, centers. Set the adjusting screw, press point against surface, and the self-contained hammer mechanism automatically releases. Replaceable point is hardened tempered steel.



H303 3 PC. DENTAL PROBE SET

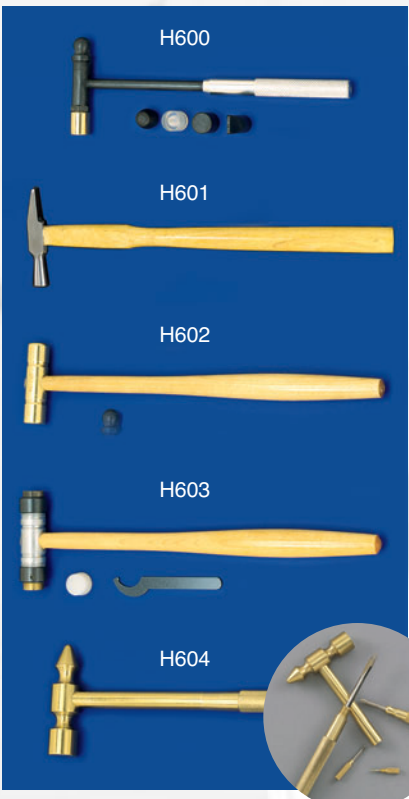
Originally designed for dentists, these 3 types of probes have earned a place with miniature, model building, electronics and jewelry hobbyists. Very useful for positioning, gluing, circuit probing, detailing, attaching springs and testing tensions. Stainless steel with strong yet flexible tips. Sizes from: 5 to 5-3/4".



H475 3 PC. WAX CARVER AND SPATULA SET

A great set of double-ended stainless steel tools for carving, cutting, scooping and smoothing in soft materials. Approximately 6-1/2" long with ribbed grips.

SCISSORS



H163 ELECTRICIAN'S SCISSORS

Just 5" long, but provides extra cutting power sufficient to cut medium gauge wire. Has notches for stripping wire. Double plated, chrome over nickel. Length of cut: 1-3/4". Packaged in sturdy vinyl pouch.

H167 LIGHT DUTY SCISSORS

Neat item for delicate snipping of small plastic parts, decals, thread, filaments, rigging on ship models. Inexpensive but well-made keen edges will cut cleanly. 4-1/2" long, stainless, packaged in vinyl pouch.

H168 UTILITY SCISSORS

Versatile, rugged, multi-purpose snips feature stainless steel offset blades and molded plastic handles for firm comfortable grip. Hands are always positioned above materials for safer cutting. Powerful enough to cut most metals yet great for fabric, wire, plastic and floral creations. Handy 7-1/2" size makes it a candidate for general household use. Packaged in vinyl pouch.

HAMMERS

H600 MULTI-HAMMER WITH 6 HEADS

This truly versatile hammer comes complete with 6 uniquely shaped hammering and forming heads. Includes chisel, flat brass, nylon face, round face, flat steel and oval. The interchangeable design allows simple screw attachment onto the hammer head. The knurled aluminum handle ensures a solid grip leading to a strong steel shaft. Overall length: 6-5/8".

H601 SWISS STYLE WATCHMAKER'S HAMMER

A simple, perfectly balanced hammer sized just right for smaller tasks. The double-faced head is only 2-1/4" long with flat and chisel faces. The forged head is mounted on a hardwood handle. Overall length: 8".

H602 BRASS MALLET

Nicely balanced with brass head which will not mar soft or delicate metals, pins, tools or parts. Overall length is 9" with a 2" head. Hardwood handle with just the right amount of spring preferred by craftsmen.

H603 MALLET WITH INTERCHANGEABLE FACES

Head has interchangeable brass, nylon and fiber faces which will not mar soft or delicate metals, pins, tools or parts. Overall length is 9" with a 2" head. Includes wrench for tightening or changing mallet faces.

H604 HAMMER/SCREWDRIVER SET

This set gives you a hefty, 7-1/2" long hammer with a 3/4" diameter head. Unscrew the handle and you have four top quality screwdrivers: 6" long with 6/32" blade; 3" long with 5/32" blade; 1-3/4" long with a 4/32" blade; and 1-1/16" with a 3/32" blade. Made of heavy duty, highly polished brass with knurled handles. (see inset)

Jeweler's Tools, Cleaners, Brushes and Detail Tools

DESIGNING

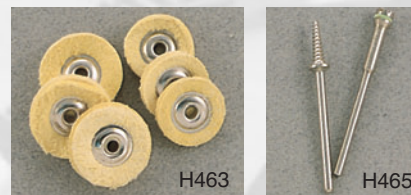
H470 JEWELER'S WAX STARTER ASSORTMENT

Contains a variety of waxes in the most commonly used shapes and sizes: round, half-round, square, triangle and half-pear. An excellent starter set.



H463 MINI CHAMOIS BUFFS - 6 PC. ASSORTMENT

Contains 3 each: 3/4" x 3 ply and 5/8" x 3 ply miniature chamois buffs. Use with wheel mandrel and rouge to produce a high finish on soft metals.



H465 MANDREL SET - 3/32" SHANK

One threaded mandrel for buff or felt polishing, plus one wheel mandrel for cut-off or polishing wheels. Fits most popular handpieces and chucks.

Do not exceed 30,000 RPM Wear eye protection.

POLISHING AND BUFFING

H469 JEWELER'S PEEL-BACK ROUGE ASSORTMENT

One tube each of: **Red Rouge**-final lustre on soft metals; **Tripoli**-a fine cutting abrasive used before rouge finish; and **Yellow**-for hard metals (platinum, chrome).



REPAIR AND MANUFACTURE

H480 FLAT NOSE PLIERS - BOX JOINT

Top quality box joint, flat nose pliers with non-mar jaws are perfect for flattening metal without damage. Satin finish with double leaf spring return.

H481 CHAIN NOSE PLIERS - BOX JOINT

Top quality box joint, chain nose pliers are perfect for loop making. Non-mar jaws protect your jewelry! Satin finish with double leaf spring return.

H483 DIAGONAL CUTTERS - BOX JOINT

These miniature cutters are the right tool for working with precious metals in jewelry design. Sharp jaws give a clean, even cut in most soft metals.

H488 ROUND NOSE PLIERS - BOX JOINT

This is what professional jewelers use when they want to make perfect loops and jump rings. Complete with satin finish and leaf spring return.



You reach a point in your project where the assembly and painting is over but something is missing. The final touch is what separates a finished project from a work in progress. We've assembled some unusual and useful cleaning and detailing tools that will help you reach the next level.

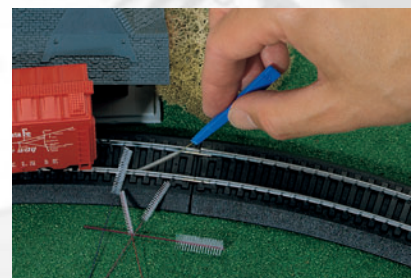
H915 COMBINATION BLOWER

A simple puff blows away light dirt, dust and debris from the smallest hard-to-reach areas. The tip directs a concentrated blast of air that moves the dirt without moving everything else. Also used to suck up excess molten solder. Terrific for model railroad displays, track cleaning, plastic model detailing and a variety of general hobby uses. The bulb has a replaceable nylon tip.



H700 MICRO CLEANER SET

A Mascot® exclusive! Perfect for cleaning out the smallest, most fragile detail of the hobbyist's work. This assortment of micro cleaning wire brushes consists of sizes: .09", .12", .15", .18" and .30" in brush diameter, with a separate handle to hold the brush steady. The largest size acts as its own handle. Packed in a reusable storage tube, this set is the perfect, compact addition (only 3-1/4" long!) to any hobby tool box.



Detail Tools, Measuring and Specialty Tools

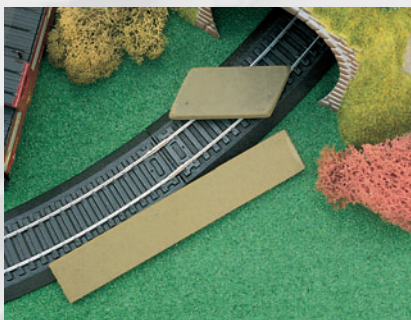


H917 TITANIUM SOLDER PICK

If you solder anything, you need a pick to move the solder to and from the desired area. This quality tool features a solid wood handle that will not transfer heat. Overall length: 7-1/2".

H916 STEEL SCRATCH BRUSH

Straight steel wire, evenly trimmed and tightly packed in a vinyl sleeve. As the brush wears, peel away the vinyl to expose fresh metal. Outstanding quality with hundreds of applications and small enough, at only 3", to put in your pocket.

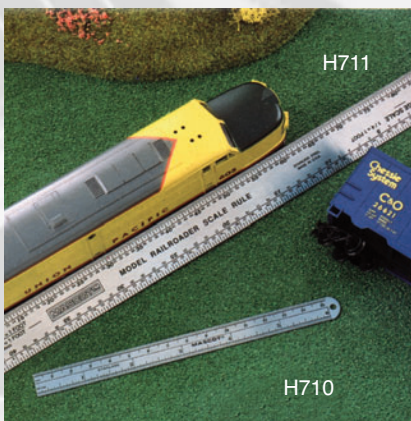


H970 TRACK AND TOOL CLEANING TABLET

This great little product works just like an eraser and does a fantastic job of cleaning track, removing scratches and getting rust off tools. Another compact item, at only 2-1/4" long, that fits nicely in your pocket or tool kit.

H971 TUNNEL TABLET

The same wonderful formula as the H970 in a longer size to reach well into tunnels to clean track. Measures 6" x 1" x 1/4".



H711

H710

H711 MODEL RAILROAD SCALE RULE

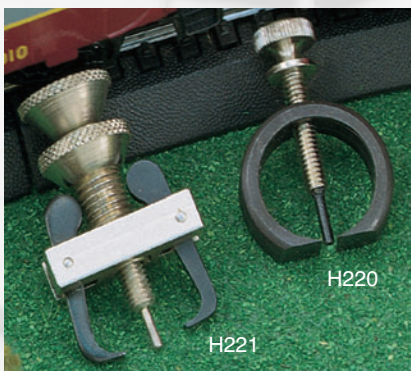
Stainless steel, 12" long, 1" wide. Contains 4 scales used by model railroaders. Graduations are etched into the metal for permanence and easy reading. Front of the rule has HO, S and O gauge scales, and the N gauge scale is on the back. A handy table for converting drill sizes to decimal equivalents is also included.

H710 METRIC AND ENGLISH SCALE RULE

Flexible stainless steel will not rust and will provide years of service. Precision made, 6" (150mm) rule for professionals and hobbyists. Etched graduations are easy to read and are on one surface only. Metric graduations are in millimeters across the upper half and English graduations are in 32nds across the bottom. Drilled on one end for convenient hang-up near work area.

MINIATURE WHEEL/GEAR PULLERS

The screw on these two precision pullers exerts controlled pressure to force tiny wheels, gears and clock hands away from the post without damaging. Absolutely essential for repairing or modifying model railroad rolling stock, clock repair and slot car motor gear removal.



H220

H221

H220 Overall height of screw and post: 1-1/4". Post is 7/16" diameter. Jaw frame is 1" wide, stationary with 1/8" opening.

H221 Overall height 1-3/4", post is 7/16" diameter. Jaw frame is 1" wide. Jaws adjust to 7/16" maximum opening.



MASCOT® INSTANT CYANOACRYLATE ADHESIVE

H752 GEL CYANOACRYLATE ADHESIVE

High performance, extended range formulation bonds most metals, plastics, rubber, ceramics and non-porous hard woods. Bonds in seconds with no mixing. Gel fills gaps and won't drip from vertical surfaces. 3 gram tube (.10 fl oz).

90.WD6 PÉGAS SCROLL SAWBLADE DISPLAY PACKAGE

Contains 6 dozen each of 18 Pégas Sawblades.

Includes:

- Skip 2/0, 2, 5, 7, 9
- Skip Reverse 3R, 5R, 7R
- Double Skip Reverse 5R, 7R, 9R
- Modified Geometry 3SPR, 5SPR, 7SPR
- Pinned Regular 15TPI
- Spiral 2/0, 2, 4

Item No. 90.WD6



The Pégas display is constructed of durable wire to withstand every retail environment.

The Pégas display can be placed on a counter or it can hang on slatwall or pegboard. Its attractive design will invite your customers to browse. Product information is printed clearly on the small banner for easy customer selection.

Mascot specialists have carefully selected 6 different types and 18 most popular sizes of Pégas Scroll sawblades to fill the display - Skip, Skip Reverse, Double Skip Reverse, Modified Geometry, Pinned Regular, and Spiral.

All Pégas Scroll Sawblades are packed by the dozen in colorful minigrip polybags. Polybags maintain their strength and attractive appearance over time.



| Pégas Part # | Model | UNIV. # | Thick (in) | Width (in) | TPI |
|--------------|-------------------|---------|------------|------------|--------|
| 90.400 | Skip | 2/0 | 0.0078 | 0.026 | 28 |
| 90.403 | Skip | 2 | 0.0110 | 0.033 | 20 |
| 90.406 | Skip | 5 | 0.0145 | 0.043 | 16.5 |
| 90.408 | Skip | 7 | 0.0150 | 0.05 | 15 |
| 90.410 | Skip | 9 | 0.0160 | 0.055 | 13 |
| 90.428 | Skip Reverse | 3R | 0.0130 | 0.035 | 13/7r |
| 90.429 | Skip Reverse | 5R | 0.0180 | 0.045 | 12/9r |
| 90.430 | Skip Reverse | 7R | 0.0180 | 0.045 | 10/7r |
| 90.432 | Double Skip | 5R | 0.0180 | 0.045 | 12/8r |
| 90.433 | Double Skip | 7R | 0.0180 | 0.045 | 10.5/r |
| 90.434 | Double Skip | 9R | 0.0180 | 0.045 | 9/6r |
| 90.440 | Modified Geometry | 3SPR | 0.0125 | 0.033 | 13/7 |
| 90.441 | Modified Geometry | 5SPR | 0.0150 | 0.037 | 13/7 |
| 90.442 | Modified Geometry | 7SPR | 0.0170 | 0.043 | 10/7 |
| 90.476 | Pinned Regular 5" | | 0.0200 | 0.118 | 15 |
| 90.500 | Spiral | 2/0 | | dia. 0.027 | 56 |
| 90.503 | Spiral | 2 | | dia. 0.037 | 45 |
| 90.505 | Spiral | 4 | | dia. 0.042 | 38 |

| Item | Description | Shelf Pack | Page | Item | Description | Shelf Pack | Page |
|-------------|----------------------------------|------------|------|-----------|--------------------------------|------------|-------|
| H1 | PRECISION KNIFE LIGHTWEIGHT | 12 | 6 | H220 | WHEEL GEAR PULLER | 6 | 20 |
| H2 | PRECISION KNIFE MEDIUM WEIGHT | 12 | 6 | H221 | ADJ WHEEL GEAR PULLER | 6 | 20 |
| H5 | PRECISION KNIFE HEAVY DUTY | 6 | 7 | H296 | BURNISHER-CURVED | 6 | 8 |
| H11A | KNIFE BLADES #11-PACK 100 | 1 | 7 | H297 | SCRAPER | 6 | 8 |
| H11-H24 | KNIFE BLADES | 12 | 7 | H300 | DOUBLE END SCRIBER | 6 | 18 |
| H30 | SCALPEL W/2 BLADES | 12 | 7 | H301 | MINI AUTOMATIC PUNCH | 6 | 18 |
| H30A | SCALPEL BLADES | 12 | 7 | H303 | WAX TOOLS SET OF 3 | 6 | 18 |
| H50-H80 | TWIST DRILLS-CARBON STEEL | DZ | 10 | H311 | BROACHES/REAMERS | 6 | 9 |
| H86 | DRILL ASSORTMENT | 1 | 10 | H340-H344 | HEMOSTATS | 6 | 17 |
| H99 | HOBBY SAW W/12 BLADES | 3 | 10 | H370-H376 | VALUE SERIES PLIERS | 6 | 4 |
| H100 | JEWELERS SAW W/12 BLADES | 3 | 10 | H380-H387 | ELECTRONIC SERIES PLIERS | 6 | 4 |
| H100A, D, E | JEWELERS SAW BLADES | 6 | 11 | H400-H403 | PREMIER SERIES PLIERS | 6 | 5 |
| H100S | JEWELERS SPIRAL BLADES | 6 | 11 | H420 | FINE WIRE CUTTING PLIER | 6 | 5 |
| H102 | RAZOR SAW BLADE-1/1/4" | 12 | 11 | H450 | SPRUE CUTTING PLIERS | 6 | 5 |
| H103 | DEEP SAWFRAME W/12 BLADES | 3 | 10 | H463 | CHAMOIS BUFF ASST | 6 | 19 |
| H105 | POCKET SAW | 6 | 10 | H465 | MANDREL SET-3/32 | 6 | 19 |
| H105A | 3 BLADES F/POCKET SAW | 6 | 10 | H470 | JEWELER'S WAX ASST | 6 | 19 |
| H110A | MINI KNIFE BLADES | 6 | 7 | H475 | WAX CARVER AND SPATULA SET | 6 | 18 |
| H111 | LIGHTWEIGHT KNIFE W/3 BLADES | 6 | 6 | H480-H488 | JEWELERS SERIES PLIERS | 6 | 4, 19 |
| H111A | ASSORTED BLADES #11 & #16-PKG 10 | 6 | 7 | H495-H497 | LONG RANGER SERIES PLIERS | 6 | 4 |
| H120-H125 | JEWELERS SAW BLADES-144 | 1 | 11 | H500-H533 | TWEEZERS | 6 | 14 |
| H150 | FILE BLOCK AND CLAMP | 3 | 16 | H521 | TWEEZERS SET | 6 | 15 |
| H163 | ELECTRICIANS SCISSORS | 3 | 18 | H600 | MULTI HAMMER W/6 HEADS | 6 | 18 |
| H167 | SCISSOR-LIGHT DUTY 4-1/2" | 3 | 18 | H601 | SWISS STYLE WATCHMAKERS HAMMER | 6 | 18 |
| H168 | SCISSOR-UTILITY 7-1/2" | 3 | 18 | H602 | BRASS HEAD MALLET | 6 | 18 |
| H177 | DRILL SET #61-80 | 3 | 10 | H603 | BRASS & FIBRE HEADS MALLET | 6 | 18 |
| H178 | 12 ASST DRILLS 50-80 | 6 | 10 | H604 | HAMMER-SCREWDRIVERS SET | 6 | 18 |
| H182 | PRECISION KNIFE SET | 3 | 7 | H700 | MICRO CLEANER SET | 6 | 19 |
| H199 | HAND VISE W/WOOD HANDLE | 3 | 16 | H710 | METRIC RULE-6" | 6 | 20 |
| H200 | THIRD HAND | 3 | 17 | H711 | RR RULE 12" | 6 | 20 |
| H201 | TWIN GRIP | 3 | 17 | H752 | GEL ADHESIVE | 12 | 20 |
| H202 | NON-MAR WEDGE CLAMP | 3 | 16 | H770-H775 | SWISS SINGLE CUT FILES | 12 | 13 |
| H203 | THREE PRONG HOLDER | 6 | 17 | H777 | SWISS SINGLE CUT FILE SET-3PC. | 6 | 13 |
| H203A | MINI 3 PRONG HOLDER | 6 | 17 | H778 | SWISS SINGLE CUT FILE SET-6PC. | 3 | 13 |
| H204 | FOUR PRONG HOLDER | 6 | 17 | H779 | RASPS SET | 6 | 8, 13 |
| H205 | TWIN GRIP W/MAGNIFIER | 3 | 17 | H780 | UTILITY FILE SET | 3 | 13 |
| H206 | PRECISION MITRE BOX | 3 | 11 | H800 | REVERSIBLE SCREWDRIVER-FLAT | 6 | 5 |
| H208 | MINI MITRE BOX | 6 | 11 | H804 | POCKET SCREWDRIVER | 12 | 6 |
| H209 | DOUBLE BENCH MITRE BOX | 6 | 11 | H810 | DOUBLE-END PIN VISE | 6 | 9 |
| H210 | MINI "C" CLAMPS-SET 2 | 6 | 16 | H811 | SWIVEL-HEAD PIN VISE 2DBL END | 6 | 9 |
| H213 | MINI CLAMPS-RESIN-1" SET OF 2 | 6 | 16 | H812 | PIN VISE WOOD HNDL W/DRILL SET | 6 | 9 |
| H214 | MINI CLAMPS-RESIN-2" SET OF 2 | 6 | 16 | H815 | SLIDE-LOCK PIN VISE | 12 | 9 |

| Item | Description | Shelf Pack | Page | Item | Description | Shelf Pack | Page |
|------|--------------------------------|------------|------|---------------|--------------------------------|------------|------|
| H822 | PIN VISE AND DRILL SET | 6 | 9 | H915 | COMBINATION BLOWER | 6 | 19 |
| H840 | MINIATURE SPIRAL HAND DRILL | 12 | 9 | H916 | STEEL SCRATCH BRUSH | 12 | 20 |
| H841 | SPIRAL PUSH DRILL | 6 | 9 | H917 | TITANIUM SOLDER PICK | 6 | 20 |
| H847 | SCREWDRIVER SHARPENER | 6 | 6 | H970 | TRACK AND TOOL CLEANING TABLET | 12 | 20 |
| H850 | PRECISION SCREWDRIVER SET-6PC. | 3 | 5 | H971 | TRACK CLEANER-6" X 1" X 1/4" | 6 | 20 |
| H853 | SCREWDRIVER SET W/PHILLIPS | 6 | 6 | H982 | ADAPTOR CHUCK 2 COLLETS | 6 | 10 |
| H855 | PRECISION SCREWDRIVER SET-5PC. | 6 | 6 | H999 | LIGHTED HEADBAND MAGNIFIER | 3 | 12 |
| H856 | OPEN END WRENCH SET | 6 | 6 | H1025 | YELLOW SANDING DISK KIT | 6 | 16 |
| H860 | WOOD CARVING SET | 3 | 8 | H1030 | CUT-OFF DISKS | 6 | 16 |
| H861 | WOODWORKING SET-PALM | 3 | 8 | H1031, H1036, | SANDING DRUM KITS | 6 | 15 |
| H862 | WOODWORKING SET-STRAIGHT | 3 | 8 | H1041 | | | |
| H863 | MINIATURE WOODWORKING SET PALM | 3 | 8 | H1042-H1044 | SANDING DRUMS-1/2" | 6 | 15 |
| H864 | MINI WOODWORKING SET/LONG HNDL | 3 | 8 | H1032-H1034 | SANDING DRUMS-1/4" | 6 | 15 |
| H865 | 3 KNIFE SET IN CHEST | 3 | 7 | H1037-H1039 | SANDING DRUMS-3/8" | 6 | 15 |
| H866 | DELUXE MODELER'S TOOL SET | 1 | 7 | H1035, H1040, | MANDRELS FOR SANDING DRUMS | 6 | 15 |
| H899 | SPECTACLE LOUPE 2X | 6 | 11 | H1045 | | | |
| H900 | 2.5X EYE PIECE MAGNIFIER | 6 | 11 | H1046 | HEATLESS WHEEL KIT | 6 | 15 |
| H901 | 10X POCKET MAGNIFIER | 6 | 12 | H1047-H1048 | HEATLESS WHEELS | 6 | 15 |
| H903 | POCKET MAGNIFIER/2 LENSES | 6 | 12 | H1049 | BUR STAND | 6 | 15 |
| H904 | DUAL FOCUS MAGNIFIER | 6 | 12 | H7001 | SINGLE CUT FILE DISPLAY | 1 | 13 |
| H905 | 1" MIRROR W/HDL PLAIN | 6 | 12 | H7001 | SINGLE CUT FILE DISPLAY | 1 | 13 |
| H906 | 1" MIRROR W/HDL MAGNIFIER | 6 | 12 | 11.700 | ABRASIVES PREMIUM SET | 1 | 16 |
| H909 | 3X BENCH MAGNIFIER | 3 | 12 | 11.710 | ABRASIVES CLASSIC SET | 1 | 16 |
| H910 | BINOCULAR MAGNIFIER | 3 | 12 | 90.WD6 | PEGAS DISPLAY PACKAGE | 1 | 21 |



Phone: **800-847-4188 • 800-998-4467**

Fax: **800-243-2432 • 800-758-4467**

<http://www.grobetusa.com>

email: jewelry@grobetusa.com