



MOTOR REPAIR HAND TOOLS

Chamfering Tools | Tamping Tools | Hammers & Mallets | Hand Grinders | Wire Slot Cleaning Brushes
Wire Strippers | Slotting Files | Wedge Drivers | Wedge Removers | And Many More





OVER 100 YEARS OF SERVICE.

Founded in 1913, **Martindale** has been able to field test many hand tools over the years for undercutting, chamfering, slot cleaning, winding, wire stripping, and many other motor applications. We bring to the Electric Motor Repair Industry only those tools our customers rated as SUITED BEST and USED MOST universally.

Martindale carries the largest variety of hand tools available for electric motor repair. Chamfering tools, coil tamping tools, hammers, mallets, hand grinders, wire brushes, wire strippers, slotting files, wedge drivers, wedge removers, and many more.

The following pages contain Hand Tools most needed in the industry. Martindale is carefully adding only those tools which bring years of both practical and reliable use to help you, our valued customer.

E-mail us quantities and catalog numbers at sales@martindaleco.com for a prompt quotation of your needs. We appreciate the opportunity to be of service and look forward to meeting all of your electric motor repair tool requirements.



**Reliable Solutions
Today!**

MOTOR REPAIR HAND TOOLS

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CHAMFERING TOOLS

COMMUTATOR SLOT SHAVER II



A new twist on an old design, this tool lightly chamfers commutator bar edges after undercutting. Pull it along the copper, shaving off the burs, then flip it over and do the edge of an adjacent bar.

The holder is designed for comfort, important when many bars need to be chamfered by one person! Made of high speed steel, the inexpensive & easily replaceable 45° inserts are available in .020", .040", & .060" thicknesses.

| DESCRIPTION | CATALOG NUMBER |
|--|----------------|
| Slot Shaver II, complete with .020" thick HSS Insert | SLSC2020 |
| Slot Shaver II, complete with .040" thick HSS Insert | SLSC2040 |
| Slot Shaver II, complete with .060" thick HSS Insert | SLSC2060 |

Net Weight 2.5 oz., Shipping Weight 1 lb.

| DESCRIPTION | CATALOG NUMBER |
|--|----------------|
| Insert Only, H.S.S., .020" thick; For Slot Shaver II | SLSC2B020 |
| Insert Only, H.S.S., .040" thick; For Slot Shaver II | SLSC2B040 |
| Insert Only, H.S.S., .060" thick; For Slot Shaver II | SLSC2B060 |

Net Weight 1 oz., Shipping Weight 1 lb.

COMMUTATOR SLOT SHAVER



The Commutator Slot Shaver is a simple little hand tool to lightly chamfer the edges of commutator bars after undercutting. Pull it along the copper, shaving off the burs — flip it over and do the other edge.

Made of hardened high-speed steel; it can be quickly resharpenered on a grinding wheel.

| DESCRIPTION | CATALOG NUMBER |
|-------------|----------------|
| Slot Shaver | SLSC73 |

Net Weight 3 oz., Shipping Weight 6 oz.

E-Z CHAMFER 90°



Four 90° Carbide Cutting Edges

Specially ground 4 cornered carbide insert chamfers copper on both sides of commutator slots after undercutting. Flat sides of the insert can be used for scraping, deburring and chamfering corners on many parts. When insert is dull on all cutting edges, it is easily replaced.

| DESCRIPTION | CATALOG NUMBER |
|--|----------------|
| E-Z Chamfer 90° complete with carbide insert | SLSC74 |
| Replacement Carbide Insert only (90°) | SLSC745 |

Net Weight 4 oz., Shipping Weight 8 oz.

E-Z CHAMFER 60°



Three 60° Cutting Edges, for thin mica

Special ground, 3 cornered insert, chamfers copper on both sides of commutator slots after undercutting. Tool is originally supplied with a H.S.S. insert. An optional Carbide replacement insert is available.

The offset blade holder provides knuckle clearance when deburring. This holder can be retracted into the handle along with extra inserts, for easier storage when not in use. The insert is easily replaced when it becomes dull on all three corners.

| DESCRIPTION | CATALOG NUMBER |
|---|----------------|
| E-Z Chamfer 60° complete with H.S.S. Insert | SLSC74PT |
| Replacement Carbide Insert only (60°) | SLSC745PT |

Net Weight 4 oz., Shipping Weight 6 oz.

ADJUSTABLE SLOT SCRAPER

3/16" High Speed Steel
Adjustable Tool Bit



Adjusts to any position

Two Cutting Edges:
60° and 90° angles

For removing fins of mica and burs of copper from the edges of commutator bars after undercutting with a U-shaped saw.

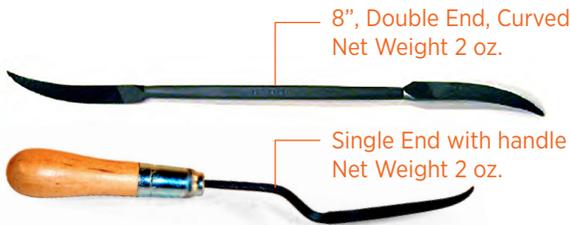
Do not use for undercutting mica because any tool that rakes out the mica may injure the insulation by tearing out mica slivers and thus permitting dirt to work down into the insulation.

| DESCRIPTION | CATALOG NUMBER |
|--------------|----------------|
| Slot Scraper | SLSC69 |
| Extra Blade | SLSC694 |

Net Weight 8 oz., Shipping Weight 12 oz.

COMMUTATOR SLOTTING FILES

If you have only a few motors, undercut your mica with handy Commutator Slotting Files. They do the work rapidly, are easy to use and leave a 60° V-shaped slot. They are made in the two styles shown in the following:



8", Double End, Curved
Net Weight 2 oz.

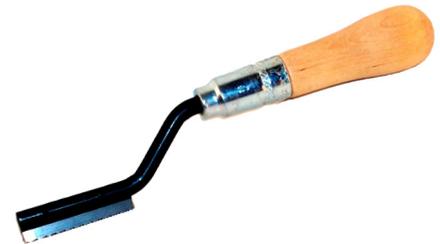
Single End with handle
Net Weight 2 oz.

| DESCRIPTION | CATALOG NUMBER |
|-------------------------|----------------|
| 8", Double End, Curved | SLFL08 |
| Single End, with handle | SLFL01 |

MINI-BAR MICA HAND SAW

This hand-held undercutting saw is a handy way of accurately undercutting those small commutators where the use of a powered undercutter is too awkward or cannot be justified.

This tool uses replaceable blades which are ground to specific thicknesses so that the proper width undercut can be made. The blade is reversible so that it can be used for either a "Push" or a "Draw" cut.



Replaceable blades are available in thicknesses of .015", .020", .026", .030", .035", .040", and .043".

| DESCRIPTION | CATALOG NUMBER |
|---|------------------------|
| Mini-Bar Mica Hand Saw, complete with tool holder and one blade (specify thickness) | SLSC (Plus Thickness) |
| Replacement Blade (Specify Thickness) | SLSCB (Plus Thickness) |

ELECTRICIAN'S KNIFE

No. 1 Knife — Handmade from very highest quality steel. Hand ground. Screwdriver blade locks to prevent closing when in use.

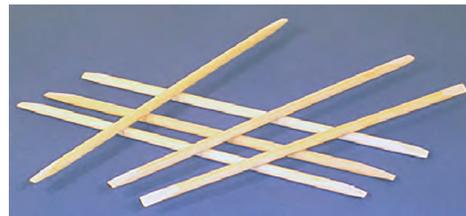


3-3/4" long closed.
6-1/2" long open.
Net Weight 5 oz.

This is not an ordinary pocket knife. It is a quality tool guaranteed to satisfy the exacting demands of workmen accustomed to rugged and dependable performance.

| DESCRIPTION | CATALOG NUMBER |
|---------------------------|----------------|
| No. 1 Electrician's Knife | ELKN01 |

ORANGE STICKS



Approximately
3/16" x 7"

Orange Sticks (called so because they were originally made from orange wood) can be used for forming, shaping and positioning fine magnet wire where fingers can't reach or work comfortably. Also used for opening and holding open, contacts on relays and the such. These hardwood, non conductive, sticks have tapered ends for prying open contacts and can be trimmed and/or sharpened with a knife.

| DESCRIPTION | CATALOG NUMBER |
|------------------------------|----------------|
| Orange Sticks, Package of 12 | MARTOS |

Net Weight 1 oz. (Pkg. of 12)

GENERAL TITLE

WEDGE DRIVERS

A Heavy-duty Wedge Driver is available in addition to the Standard model.

The large steel head of the Heavy-duty tool allows it to be used as a slide hammer, or to drive it with the palm of the hand.

Outer shells of both are made of brass to avoid rust; driving pins are made of steel.

Price schedule below shows sizes available.



Standard Model:
Shell length 6"
Overall length 7-3/8"
Avg. Net Weight 12 oz.

Heavy-Duty Model:
Shell length 10"
Overall length 12-1/2"
Avg. Net Weight 1 lb. 12 oz.

Two Models: Standard & Heavy-Duty

| STANDARD MODEL | | | |
|----------------|----------------|--------------|----------------|
| SIZE | CATALOG NUMBER | SIZE | CATALOG NUMBER |
| 1/32" x 3/8" | WGDR70S22 | 1/8" x 5/8" | WGDR70S27 |
| 1/16" x 3/8" | WGDR70S23 | 1/8" x 7/8" | WGDR70S28 |
| 1/16" x 5/8" | WGDR70S24 | 3/16" x 3/8" | WGDR70S30 |
| 3/32" x 5/8" | WGDR70S25 | 3/16" x 5/8" | WGDR70S29 |

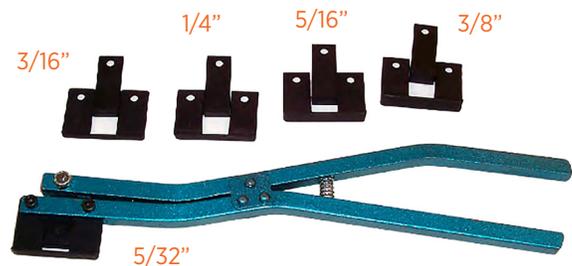
| HEAVY-DUTY MODEL | | | |
|------------------|----------------|--------------|----------------|
| SIZE | CATALOG NUMBER | SIZE | CATALOG NUMBER |
| 1/32" x 3/8" | WGDR70H22 | 1/8" x 1/2" | WGDR70H26 |
| 1/16" x 3/8" | WGDR70H23 | 1/8" x 5/8" | WGDR70H27 |
| 1/16" x 5/8" | WGDR70H24 | 1/8" x 7/8" | WGDR70H28 |
| 3/32" x 5/8" | WGDR70H25 | 3/16" x 5/8" | WGDR70H29 |

COIL TAMPING TOOLS



| SIZE | CATALOG NUMBER |
|----------------|----------------|
| 3/16" x 7/8" | CTTLD584 |
| 5/16" x 1-1/4" | CTTLD585 |
| 3/8" x 2" | CTTLD586 |
| 3/8" x 4" | CTTLD587 |

COIL TAMPING TOOLS



HANDLE-TYPE COIL TAMPERS



These Coil Tampers have the same tamping faces as the Coil Tamping Tools above but are mounted on 12" handles. The coils can be either pried or hammered into place. They are particularly advantageous on small stators.

The end of the handle is formed into a spoon shape for pressing the ends of the coils into place.

| DESCRIPTION | CATALOG NUMBER |
|--|----------------|
| No. 1 Handle-Type Coil Tamper, 3/16" x 7/8" face | CTTL664 |
| No. 2 Handle-Type Coil Tamper, 5/16" x 1-1/4" face | CTTL665 |
| No. 3 Handle-Type Coil Tamper, 3/8" x 2" face | CTTL666 |

No more struggling with stator or armature windings that cannot be tamped with conventional tamping tools. Designed to tamp the windings in long bore or small bore stators where restricted space does not allow the use of conventional tamping tools.

A set consists of the pliers and 5 different jaws machined from steel bar stock. The jaws are easily changed to fit your special needs and may be purchased as a set or individually.

| DESCRIPTION | CATALOG NUMBER |
|------------------------------------|----------------|
| Tamping Pliers and Jaws (Set of 5) | ICTTPJ15 |
| Tamping Pliers only | ICTTP |
| Jaws (Set of 5) 5/32" to 3/8" | ICTTPJ |
| #1 Jaws 5/32" width | ICTTPJ01 |
| #2 Jaws 3/16" width | ICTTPJ02 |
| #3 Jaws 1/4" width | ICTTPJ03 |
| #4 Jaws 5/16" width | ICTTPJ04 |
| #5 Jaws 3/8" width | ICTTPJ05 |

ARMATURE WEDGE REMOVER



Blade width from 3/32" at point to 1/8" at back end. Overall length is 9"

| DESCRIPTION | CATALOG NUMBER |
|------------------------|----------------|
| Armature Wedge Remover | WGRM71 |

Net Weight 11 oz.

INTERNAL COIL TAMPERS

When using these internal Coil Tampers the operator does not put his hand inside the stator, as the Tamper uses the leverage principle and does away with most of the hammering. They are about 9" long and made of tough, hardened, high-grade steel.



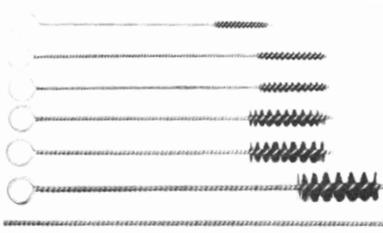
Bent Handle Type — Similar straight handle type available for assembled coils.

| DESCRIPTION | CATALOG NUMBER |
|---------------------------------------|----------------|
| Internal Coil Tamper, Bent Handle | CTTLB |
| Internal Coil Tamper, Straight Handle | CTTSL |

Net Weight 8 oz.

SLOT CLEANING BRUSHES

Especially handy for cleaning burnout and chemical stripping residue in rotors and stators.



Carbon steel wire brush (.006 dia. wire) is stiff enough to clean stubborn residue, but soft enough not to remove iron.

Long enough to reach those hard to get to places.

| No. | Brush Dia. / Length | Overall Length | Catalog Number |
|------|---------------------|----------------|----------------|
| 2510 | 1/4" x 2" | 10" | SCLB2510 |
| 3110 | 5/16" x 2-1/2" | 10" | SCLB3110 |
| 3812 | 3/8" x 2-1/2" | 12" | SCLB3812 |
| 5012 | 1/2" x 2-1/2" | 12" | SCLB5012 |
| 5018 | 1/2" x 2-1/2" | 18" | SCLB5018 |
| 5024 | 1/2" x 2-1/2" | 24" | SCLB5024 |
| 5034 | 1/2" x 2-1/2" | 34" | SCLB5034 |
| 6220 | 5/8" x 3" | 20" | SCLB6220 |
| 6230 | 5/8" x 3" | 30" | SCLB6230 |

WINDER'S SHEARS

These high quality shears are made by Clauss Cutlery. All three are hot hammer-forged of high carbon cutlery steel.

Double plated chrome over nickel, with stainless steel tension adjusting screw, for maximum protection from rust.



No. 925
Multi-purpose compact cutting tool for wire splicing or electronic work. Cuts all medium gauge wires, insulation materials, etc. Overall length is 5" and cutting length is 1-3/4".



No. 4248 & 4268
Similar to No. 925 but larger and for heavier duty. Overall length approximately 8" and cutting length No. 4248 is 2" & Model 4268 is 2-3/4".



No. TC-4-1/2
These insulation shears are perfect for cutting cloths of glass, cambric, etc. After starting a cut into the insulation, these shears can be easily "pushed" into the material to quickly form the shape needed. Overall length is 4-1/2" and cutting length is 1-1/4".

| DESCRIPTION | CATALOG NUMBER |
|------------------------------|----------------|
| No. 925 Winder's Shears | WISH925 |
| No. 4248 Winder's Shears | WISH4248 |
| No. 4268 Winder's Shears | WISH4268 |
| No. TC-4-1/2 Winder's Shears | WISHTC4 |

GENERAL TITLE

INSULATION TRIMMERS

Martindale Paper & Insulation Trimmers will cut Mylar, Nomex, and other paper insulation clean and parallel to the stator.

Available in three lengths to suit various size stators. They are available individually or in a set of all three.

These trimmers can be sent to Martindale for quality resharpening, saving you time and money.

| DESCRIPTION | CATALOG NUMBER |
|---|----------------|
| Trimmers Set of (3), Insulation, Paper | SLSCPITO |
| Trimmer #1, Insulation, Paper, (11.5" O.A.L. x 3/8" W.) | SLSCPIT1 |
| Trimmer #2, Insulation, Paper, (11.5" O.A.L. x 1/2" W.) | SLSCPIT2 |
| Trimmer #3, Insulation, Paper, (20" O.A.L. x 1/2" W.) | SLSCPIT3 |



Martindale can resharpen this tool for you.

Bent-tip design shown above makes cutting smooth and easy.

Will cut Mylar, Nomex, & other paper insulation.

ARMATURE AIR GAP GAUGE

Longer lengths available upon request.



Four different sets available, including 24" and 36" long sets.

The Model 16-U is naturally still our most popular model but we've had so many requests for still longer gauge sets, we have decided to make this gauge available in 24" and 36" long sets.

These gauges are universal in that their blades used singly or in combination, allow almost any size air gap to be measured.

The Model 16-D is designed for use on smaller diameter motors or where access is otherwise limited. Its narrower blades allow it access in smaller radii or where the inspection opening is restricted.

| NO. | NO. OF BLADES | BLADE WIDTH | BLADE LENGTH | BLADE THICKNESSES (IN THOUSANDTHS) | CATALOG NUMBER |
|------|---------------|-------------|--------------|------------------------------------|----------------|
| 16-U | 13 | 1/2" | 16" | 3, 4, 5, 6 | AGGG16U |
| 24-U | 13 | 1/2" | 24" | 8, 10, 12, 15 | AGGG24U |
| 36-U | 13 | 1/2" | 36" | 25, 32, 40, 50, 62 | AGGG36U |
| 16-D | 9 | 1/4" | 16" | 2, 3, 4, 5, 6, 8, 10, 15, 25 | AGGG16D |

LAMINATION TOOTH STRAIGHTENERS



Overall Length: 8", 9" and 10" respectively.

- ▶ Designed with square end to permit use of socket or box end wrench to apply torque.
- ▶ Teardrop shaped blade adds strength and minimizes flexing when using full length of tool.
- ▶ Superior strength and leverage to any similar tools on the market.
- ▶ Available in three sizes to fit stator slots up to 150 h.p.

| BLADE HEIGHT | WRENCH FITTING | CATALOG NUMBER |
|-------------------|----------------|----------------|
| 1/2" | 3/8" Sq. | ICTTLTS1 |
| 5/8" | 1/2" Sq. | ICTTLTS2 |
| 3/4" | 3/4" Sq. | ICTTLTS3 |
| Complete set of 3 | | ICTTLTS |

WINDER'S HORN

This "winder's friend" is especially helpful for forming and shaping the ends of stator coils and armature windings.

The tool is made of a synthetic fiber material which will not damage the insulating film on magnet wire. Approximately 12" long and a 1/2" thick.



| DESCRIPTION | CATALOG NUMBER |
|---------------|----------------|
| Winder's Horn | MARTWH |

Net Weight 2 oz.

WINDER'S LACING HOOK

An economical, time saving tool which speeds up the time consuming job of securing soft magnet wire coils.

The pencil size handle gives the winder better control of the tool (compared to a small curved lacing needle) thereby speeding up the tedious tying/lacing, taping procedure. Practically pays for itself the first time it's used. An absolute must for each winder's toolbox.



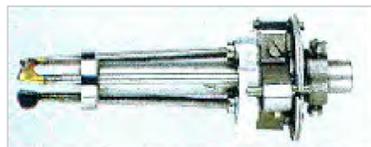
| DESCRIPTION | CATALOG NUMBER |
|----------------------|----------------|
| Winder's Lacing Hook | MARTLH |

Net Weight 1 lb.

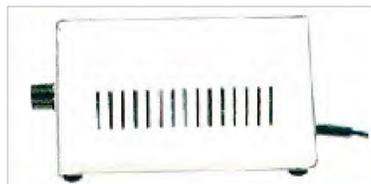
HAND HELD WIRE STRIPPER



Complete Units - AFST1, 3 or 5



Replacement Heads
AFSTMK1, 3 or 5



Transformer Units
AFTRAFO115
or AFTRAO230

Abisofix® is a portable electric wire stripping machine that is handy and lightweight. It provides neat stripping of round magnetic copper wires in a variety of applications.

The drive in the Abisofix® instrument is a series wound motor of 16-42V.

A transformer is required for use, and available in either 115V or 230V.

| COMPLETE UNITS | CATALOG NUMBER |
|---|----------------|
| Wire Stripper, For Wire .00787 - .03149" or AWG 32-20 | MAWSAFST1 |
| Wire Stripper, For Wire .0240 - .07870" or AWG 22-12 | MAWSAFST3 |
| Wire Stripper, For Wire .04720 - .15750" or AWG 16-5 | MAWSAFST5 |

Net Weight: 1 lb. 4 oz.

| REPLACEMENT HEADS | CATALOG NUMBER | TRANSFORMER (REQUIRED) | CATALOG NUMBER |
|----------------------|----------------|------------------------|----------------|
| Head Only, For AFST1 | MAWSAFSTMK1 | 115V | MAWSAFTRAFO115 |
| Head Only, For AFST3 | MAWSAFSTMK3 | 230V | MAWSAFTRAFO230 |
| Head Only, For AFST5 | MAWSAFSTMK5 | | |

Net Weight: 1 lb.

Net Weight: 4 lbs.

MARTINDALE AUTOMATIC WIRE STRIPPER

Makes Wire Stripping Fast and Easy



Martindale Automatic Wire Strippers are always ready for use. They require no "cocking" or setting.

Their triple action of clamping the wire, cutting the insulation, and stripping it, is automatically timed and performed with one squeeze on the handles. Length of strip is regulated by amount of wire extending beyond the blades. Maximum strip is 7/8"; for longer, just repeat process. Wire size is shown beneath each stripping hole.

After the stripping action, a partial release of pressure on the handles opens jaws and wire is removed. Full release of pressure returns the tool to the starting position, ready for next strip.

Blades are interchangeable and replaceable.

| MODEL | SIZES | CATALOG NUMBER | |
|----------|--------------------------------------|----------------|------------------|
| | | STRIPPERS | EXTRA BLADE SETS |
| No. 0-01 | 16 to 26 gauge, 6 stripping holes | MAWS001 | MAWS001B |
| No. 02 | 10 to 22 gauge, 6 stripping holes | MAWS02 | MAWS02B |
| No. 1-2 | 10 to 18 gauge, 4 stripping holes | MAWS12 | MAWS12B |
| No. 3 | 8 to 12 gauge, 3 stripping holes | MAWS3 | MAWS3B |

Net Weight 13 oz., Shipping Weight 2 lb.

GENERAL TITLE

MARTINDALE HANDY WIRE STRIPPER

This Stripper is the answer to suggestions made by Electricians who use such a tool for long periods. It is large enough to fit the hand and the rounded edges reduce fatigue and irritation.

It is made of the best grade spring steel and the cutting edges are easily resharpened.



Rugged — Comfortable
Fits the hand.
5-1/2" Length

| DESCRIPTION | CATALOG NUMBER |
|---------------------|----------------|
| Handy Wire Stripper | WRST72 |

Net Weight 4 oz.

WIRE SKINNER AND STRAIGHTENER

The blades of the Wire Skinner and Straightener are easily removable for resharpening. Sets of new blades can be attached when the old ones are worn out.



Replaceable
Blades

| DESCRIPTION | CATALOG NUMBER |
|--|----------------|
| Wire Skinner and Straightener (Net Weight 3 oz.) | WSST01 |
| Extra Blades (Set) (Net Weight 1 oz.) | WSST01B |

HAND KNURLING TOOL

For shaft diameters from approximately 1/8" to 1-1/8"

Knurling expands the diameter of a shaft from approximately .001" to .010", to allow for a tighter press fit of a bearings inner race. The self-centering design of this three knurling wheel tool distributes the pressure evenly. It's portable in nature and can be taken out into the field, saving tear-down time and expense returning equipment to the shop to perform this operation on a lathe.

| DESCRIPTION | CATALOG NUMBER |
|--------------------|----------------|
| Hand Knurling Tool | MARTHKT |

Net Weight 1 lb. 8 ozs., Shipping Weight 2 lbs.



REPAIRMAN'S STETHOSCOPE

This tool provides a low cost method of locating and identifying worn motor and equipment bearings and bushings, worn gears, and other trouble spots which can be traced by sound. The 2-piece probe reaches 11-3/4".



| DESCRIPTION | CATALOG NUMBER |
|-------------------------|----------------|
| Repairman's Stethoscope | MARTRS |

Net Weight 6 ozs., Shipping Weight 1 lb.

RAWHIDE AND NYLON-FACED HAMMERS



Jaw-Head Hammers With Rawhide Faces



Jaw-Head Hammers With Nylon Faces

Replacement handles available

Rawhide or Nylon Faced Hammers are a necessity for any electrical repair shop or machine shop.

Carefully balanced, they permit striking a controlled and powerful blow. Hammers can be purchased with either Rawhide or Nylon Faces in malleable iron heads. Handles are high-grade hickory.

Rawhide Faces — Made of top-grade water-buffalo hide, unsurpassed for resiliency and ability to transmit hard effective blows without damage to delicate surfaces; will not chip or shear, are non-sparking, and stand up under severe conditions.

Nylon Faces — The long-wearing tough qualities of Nylon make these faces very practical where an allaround soft-faced hammer is needed. They will not chip or mushroom, are resistant to oil, gasoline, etc., and are virtually indestructible.

Anyone can change the faces of these Hammers in a matter of seconds. It is necessary only to loosen the large nut under the head, slide the bottom half of the head down, and the faces are easily removed and replaced. When the nut is tightened, the jaws hold the faces in a vise-like grip.

Note: Diameters shown for Nylon Faces are the cavities into which the Faces fit. Striking surfaces are 1/4" larger.

| JAW-HEAD HAMMERS | | | CATALOG NUMBER | |
|------------------|--------|------------|--------------------|------------------|
| No. | Diam. | Net Wt. | With Rawhide Faces | With Nylon Faces |
| J-1 | 1-1/4" | 1-1/2 lbs. | HAMMJ1R | HAMMJ1N |
| J-2 | 1-1/2" | 2 lbs. | HAMMJ2R | HAMMJ2N |
| J-3 | 1-3/4" | 2-3/4 lbs. | HAMMJ3R | HAMMJ3N |
| J-4 | 2" | 4 lbs. | HAMMJ4R | HAMMJ4N |
| J-5 | 2-3/4" | 6-1/2 lbs. | HAMMJ5R | HAMMJ5N |

| EXTRA FACES | | CATALOG NUMBER | |
|-------------|--------|--------------------|------------------|
| NO. | DIAM. | WITH RAWHIDE FACES | WITH NYLON FACES |
| 1 | 1-1/4" | HAMMJ1RF | HAMMJ1NF |
| 2 | 1-1/2" | HAMMJ2RF | HAMMJ2NF |
| 3 | 1-3/4" | HAMMJ3RF | HAMMJ3NF |
| 4 | 2" | HAMMJ4RF | HAMMJ4NF |
| 5 | 2-3/4" | HAMMJ5RF | HAMMJ5NF |

RAWHIDE MALLET

Two Types: Regular or Loaded



Rawhide Mallets are designed for lighter duty work than the Hammers shown above. They are available in two types: Regular and Loaded.

Regular Mallets — are lightweight, perfect for gentle tapping or sharp light blows on precision operations.

Loaded Mallets — are weighted with strip lead between the rawhide layers in the center of the head where it is never seen or used as a striking surface. The Loaded Mallet weighs about twice the Regular Mallet at little extra cost.

| REGULAR RAWHIDE MALLET | | | | |
|------------------------|--------|--------|------------|----------------|
| NO. | DIAM. | LENGTH | NET WEIGHT | CATALOG NUMBER |
| 0 | 1" | 2" | 1/8 lbs. | HAMM00 |
| 1 | 1-1/4" | 2-1/2" | 1/4 lbs. | HAMM01 |
| 2 | 1-1/2" | 3" | 3/8 lbs. | HAMM02 |
| 3 | 1-3/4" | 3-3/8" | 1/2 lbs. | HAMM03 |
| 4 | 2" | 3-1/2" | 3/4 lbs. | HAMM04 |
| 5 | 2-3/4" | 4-1/2" | 1-3/8 lbs. | HAMM05 |
| 6 | 2-3/4" | 4-3/4" | 1-1/2 lbs. | HAMM06 |

| LOADED RAWHIDE MALLET | | | | |
|-----------------------|--------|--------|------------|----------------|
| NO. | DIAM. | LENGTH | NET WEIGHT | CATALOG NUMBER |
| 7 | 1-1/4" | 2-1/2" | 1/2 lbs. | HAMM07 |
| 8 | 1-1/2" | 3" | 3/4 lbs. | HAMM08 |
| 9 | 1-3/4" | 3-3/8" | 1 lbs. | HAMM09 |
| 10 | 2" | 3-1/2" | 1-1/4 lbs. | HAMM10 |
| 11 | 2-3/4" | 4-1/4" | 2-1/2 lbs. | HAMM11 |

GENERAL TITLE

TRUCOTHANE™ DEAD BLOW HAMMERS

The original is back and it's better than ever. From the same people who developed and introduced the original soft faced, one piece hot cast hammer with dead blow heads.

The shot filled head provides dead blow action for sustained impact, maximum power and striking force. The one piece construction has no exposed metal on the head or handle.

These high quality custom formulated hot cast polyurethane hammers will not mark or spark and outlast other rawhide, rubber, nylon, and other plastic type heads many times over.



Made in USA
Affordably Priced

| | MODEL NO. | FACE DIAMETER | HEAD LENGTH | OVERALL LENGTH | NET WEIGHT | CATALOG NUMBER |
|-----------------|-----------|---------------|-------------|----------------|------------|----------------|
| STANDARD MODELS | 0 | 1-1/4" | 3-1/8" | 10" | 10 oz. | HAMMT0 |
| | 1 | 1-5/8" | 3-3/4" | 11" | 1-1/8 lb. | HAMMT1 |
| | 2 | 2" | 4-1/8" | 12-3/4" | 1-1/3 lb. | HAMMT2 |
| | 3 | 2-1/4" | 4-5/8" | 14" | 2-5/8 lb. | HAMMT3 |
| | 4 | 2-5/8" | 5-3/8" | 15-1/4" | 3-1/4 lb. | HAMMT4 |
| SLIMLINE MODELS | S0 | 7/8" | 3-1/8" | 10" | 6 oz. | HAMMTS0 |
| | S1 | 1-1/4" | 4-1/4" | 10-1/2" | 14 oz. | HAMMTS1 |
| | S2 | 1-1/2" | 4-1/4" | 12" | 1-1/8 lb. | HAMMTS2 |
| | S3 | 1-5/8" | 5-1/4" | 13" | 1-3/8 lb. | HAMMTS3 |
| SLEDGE MODELS | 7 | 2-3/4" | 7" | 20" | 5-1/2 lb. | HAMMT7 |
| | 12 | 3-1/4" | 8" | 30" | 10-1/2 lb. | HAMMT12 |
| | 14 | 3-1/4" | 8" | 36" | 12 lb. | HAMMT14 |

MARTINDALE PRODUCTION AIR GRINDER

Model M-12 air grinder is designed for hard usage such as encountered in foundries, etc. It will stand up to steady production work with rotary burs and with mounted grinding wheels or points up to 1-1/2" diameter. Turns 18,000 r.p.m., 1/2 h.p. at 90 PSI air pressure. Uses approximately 18-22 CFM.

This hand-held air grinder has a built-in speed regulator, specially designed nose piece for firm easy grip, 1/4" female N.P.T.F. air inlet, 1/4" collet, and the necessary wrenches as standard equipment.

Air exhaust is at the front of the air grinder around the spindle, where it effectively blows grinding dusts away from the work and operator. OPTIONAL EQUIPMENT: 1/8" reducer can be substituted for 1/4" collet at no extra charge.

Model M-12



Length: 5-3/4"
Weight: 1 lb. 6 oz.

| DESCRIPTION | CATALOG NUMBER |
|--|----------------|
| Model M-12 Air Grinder, complete with 1/4" collet and wrenches | AGRD1814 |
| 1/8" Reducer (Optional Equipment) | AGRDC18 |
| Automatic Air Filter-Lubricator (See Description Below) | FILL01 |

NO. 38-A CARBIDE ROTARY BUR KIT

The No. 38-A Kit includes a high-speed precision manufactured air grinder with 1/4" collet. This grinder is similar to the one above except it's operating speed is 21,000 r.p.m. to accommodate the 5 solid carbide 1/4" diameter rotary burs included with the kit.

Burs included are RB4, RC4, RD4, RH4, and RJ4; all are 1/4" diameter cutting surface and shank, of five different shapes. All are "double-cut" making them suitable for use on either extremely hard or relatively soft materials. Burs can be re-ordered by number and are listed on page 30.

The high quality grinder is manufactured for Martindale by ARO® and is a compact 5-3/4" long; lightweight 1 lb., 6 oz.; and high speed 21,000 r.p.m. Recommended air pressure is 70-90 PSI, air inlet is 1/4" female N.P.T.F.

| DESCRIPTION | CATALOG NUMBER |
|--|----------------|
| Carbide Rotary Bur Kit No. 38-A, Complete in storage box | CABU38A |
| Automatic Air Filter-Lubricator (See Description Below) | FILL01 |

Net Weight 2 lbs. 6 ozs., Shipping Weight 4 lbs.



AUTOMATIC AIR FILTER-LUBRICATOR



Highly recommended for use with any air powered tools. This Fog Type Filter-Lubricator is designed to remove dirt, pipe scale, and most liquid aerosols which cause wear and premature failure. It also will deliver the right amount of lubrication to extend the service life of your air tools.

Consists of 2 die cast bowls with transparent nylon sight gauges, a 40 micron filter element, and a connecting nipple.

| DESCRIPTION | CATALOG NUMBER |
|--|----------------|
| Automatic Air Filter-Lubricator | FILL01 |
| Air Hose, 10 ft. long; complete with quick connector | AIRH10 |

MARTINDALE HAND GRINDER built by DUMORE



Model 10
22,000 r.p.m.
1/10 h.p.
115 V. A.C.-D.C.

Model 10 is ideal for full-shift duty in the tool room or in production bench grinding, de-burring, etc. It is forced-air cooled, and two precision bearings in steel seats assure positive rigidity. Model 10 uses high-speed steel or carbide burs up to 3/8" diam., or mounted wheels up to 1" diam. Has 1/4" collet and 1/8" reducing sleeve.

Model 10 is U/L approved and sold with our guarantee of satisfaction.

| DESCRIPTION | CATALOG NUMBER |
|--|----------------|
| Model 10 Grinder with 1/4" collet and 1/8" reducing sleeve | DUMG10 |

Net Weight 3-1/2 lbs., Shipping Weight 5 lbs.



www.martindaleco.com

1375 Hird Avenue
Cleveland, OH 44107-3008

E sales@martindaleco.com

T 216.521.8567
800.435.5800 *USA & Canada*

F 216.521.9476 *Local & Overseas*
800.344.9191 *USA & Canada*