

## Chamfering Tools

### Commutator Slot Shaver II

Replaceable Blade



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.

Slot Shaver II, complete with .020" thick HSS Insert . . . . . <b>SLSC2020</b> Slot Shaver II, complete with .040" thick HSS Insert . . . . . <b>SLSC2040</b> Slot Shaver II, complete with .060" thick HSS Insert . . . . . <b>SLSC2060</b> Net Weight 2.5 oz., Shipping Weight 1 lb.	<b>Catalog Number</b>
---	-----------------------

Insert Only, H.S.S., .020" thick; For Slot Shaver II . . . . . <b>SLSC2B020</b> Insert Only, H.S.S., .040" thick; For Slot Shaver II . . . . . <b>SLSC2B040</b> Insert Only, H.S.S., .060" thick; For Slot Shaver II . . . . . <b>SLSC2B060</b> Net Weight 1 oz., Shipping Weight 1 lb.	<b>Catalog Number</b>
--	-----------------------

### 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 resharpened on a grinding wheel.

Slot Shaver . . . . . <b>SLSC73</b> Net Weight 3 oz., Shipping Weight 6 oz.	<b>Catalog Number</b>
--	-----------------------

### E-Z Chamfer 90°



Useful on many deburring jobs

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.

E-Z Chamfer 90° complete with carbide insert . . . . . <b>SLSC74</b> Replacement Carbide Insert only (90°) . . . . . <b>SLSC745</b> Net Weight 4 oz., Shipping Weight 8 oz.	<b>Catalog Number</b>
---	-----------------------

### E-Z Chamfer 60°



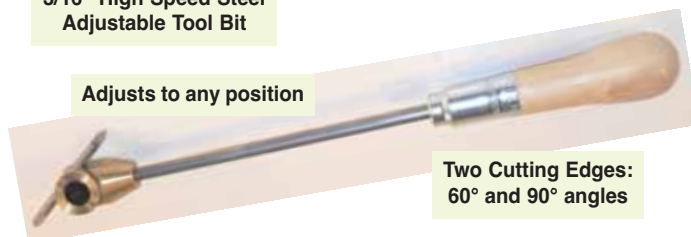
Three 60° Cutting Edges, for thin mica

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.

E-Z Chamfer 60° complete with H.S.S. Insert . . . . . <b>SLSC74PT</b> Replacement Carbide Insert only (60°) . . . . . <b>SLSC745PT</b> Net Weight 4 oz., Shipping Weight 6 oz.	<b>Catalog Number</b>
--	-----------------------

### 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.

Slot Scraper . . . . . <b>SLSC69</b> Extra Blade . . . . . <b>SLSC694</b> Net Weight 8 oz., Shipping Weight 12 oz.	<b>Catalog Number</b>
--	-----------------------



**MARTINDALE** • PO Box 430 • Cleveland, OH 44107  
 Phone (216) 521-8567 • Fax Local 521-9476 / USA & Canada (800) 344-9191  
 E-Mail: sales@martindaleco.com  
 Web Site: [www.martindaleco.com](http://www.martindaleco.com)

## 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 below.



8", Double End, Curved

Net Weight 2 oz.



Net Weight 2 oz.

Single End with handle

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 under-cutter 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".

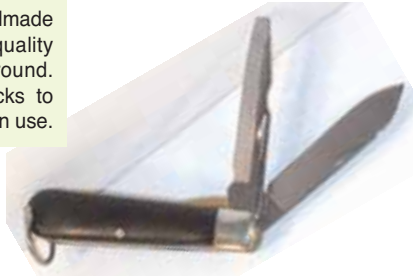


Catalog Number
Mini-Bar Mica Hand Saw, complete with tool holder and one blade (specify thickness) . . . . . SLSC (Plus Thickness)
Replacement Blade (Specify Thickness) . . . . . SLSCB (Plus Thickness)

## Electrician's Knives

**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.



These are not ordinary pocket knives. They are quality tools guaranteed to satisfy the exacting demands of workmen accustomed to rugged and dependable performance.

**No. 3 Linesman's Folding Skinning Knife** — Highest quality materials, large shackle.

4-3/8" long closed.  
7-1/2" long open.  
Net Weight 5 oz.

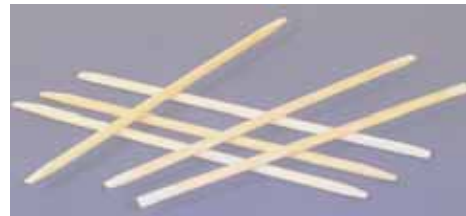


Catalog Number
No. 1 Electrician's Knife . . . . . ELKN01
No. 3 Linesman's Folding Skinning Knife . . . . . ELKN03

## Orange Sticks

Catalog Number
Orange Sticks, Package of 12 . . . . . MARTOS
Net Weight 1 oz. (Pkg. of 12)

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.



Approximately 3/16" x 7"

