**SHEET METAL TOOLS**

**E-Z BURR - HSS SERIES**

E-Z Burr High Speed Steel (HSS) tools are the industry standard for quick, effective and consistent front and rear burr removal. No other HSS deburring tool is this durable. By designing the blade to operate independent from springs and plungers, E-Z Burr has created a deburring tool with a flexible blade and a solid shank for optimum performance for deburring metal or plastic components. In addition, the patented E-Z Burr HSS deburring tool allows you to change chamfer settings, from extreme low to extreme high, and cutting blades without removing it from the holder. Once the desired chamfer is set, it won’t change, even from blade to blade. The result is less downtime, more production, and higher profits.

**EZ-BURR RIVET HOLE BUNDLE**

**HSS THREE FLUTE BURRING CUTTER - 100°**

US made. High speed steel, precision ground, three flute burring cutter. 3/16" diameter X 100° with 1/4-28 threaded shank. Same style as a countersink but without the pilot. P/N 12-00625 ........ $18.85

**SNAP RING PLIER KIT**

Install or remove retaining rings of the Waldes Tru-Arc type with ease. Quality pliers made of heat-treated steel with vinyl covered handles. Kit includes two pair of pliers and two sets of four replacement tips to handle the most common sizes of both internal and external rings. Furnished in plastic box. P/N 4440R ............. $33.75

**STRAP WRENCH**

Heavy malleable iron body with latex-treated nylon webbing. For gripping and turning of round, hex or square parts without marring the surface. Indispensable tool for use in close quarters where ordinary pliers cannot be used. Tool is 11-1/2" long with 18" strap. Capacity 3". Wt. 1-1/2 lbs. P/N 3004 ......... $51.75

**DOUBLE EDGE DEBURRING TOOL**

Used to quickly deburr edges of sheets up to 1/8" thick. Save time and motion deburring edges of parts. Precision ground Carbide "V" shape blade with hex aluminum handle. Non-removable cutting style. P/N 12-00629 ......... $20.90

**EDGE MARKER BLOCK**

This handy device holds a marking pen and has an adjustable stop for running along the edge of a part. The adjustable stop allows variable edge distance for rivet layout, etc. One thumbscrew holds the pen (pen sold separately) and the other thumbscrew holds the adjustable stop. Made from delrin (plastic) material. Comes ready to use with (1) Pilot marking pen. P/N 12-00631 ........... $18.95

**SHOP HEAD RIVET GAUGE SET**

Set of four gauges for -3, -4, -5, & -6 rivets. Each gauge measures MINIMUM height and MINIMUM diameter of shop heads AFTER setting. Eliminates guessing if your rivets are properly set. Works for measuring both universal head and flush rivets. Precision machined to size from 2024 aluminum. Rivet size permanently stamped on each gauge. Color coded anodized finish. Instructions included. P/N 12-00631 ........... $21.85

**EDGE ROLLING TOOL**

For pre-bending skin edges on lap joints and butt joints before riveting. “Edge rolling” will prevent skin edges from curling up during riveting. Machined round body made from 2024 aluminum. Hard black anodized finish for wear resistance. Ball bearing style nylon rollers (non-marking); + spare set of rollers and instructions included. P/N 12-00632 ........... $22.50

**RIVET LENGTH GAUGE**


**TEMPORARY ASSEMBLY PINS**

Initial fitting of control surfaces require multiple installation and removals of the parts to fit, trim, and adjust everything. These temporary assembly pins make the task quicker and easier. Pins are 3/16” diameter with tapered points and angle bends for easy installation. The pins are threaded so the pin holder can be removed — this is necessary to prevent damage should you move the control surface too far during fitting. To remove pins just screw holder back on pin and remove pin. Packaged in sets: 6 pins / 2 holders. P/N 12-00627 ........... $18.85

**INSTRUMENT HOLE PUNCH ATS-123C**

Reversible cutter for both 2-1/4” and 3-1/8” instrument panel holes. Easy to use even when instrument panel is installed in aircraft. Allows for close work with other instruments already installed. 4 lbs (2Kg) shipping weight. P/N 12-02743 ........... $159.95

**BOLT GRIP**

This new tool lightly grips the heads of bolts and screws for easier insertion into tight or blind spots. No more dropped or lost parts. Tool has one end for -3 (3/16”) fasteners and one for -4 (1/4”) fasteners. 12” overall length. P/N 12-00628 ........... $19.50

**CHUCKING REAMERS**

We stock straight shank and straight flute Chucking Reamers in a wide range of sizes.

SEE WWW.AIRCRAFTSPRUCE.COM FOR A COMPLETE LISTING OF OUR CHUCKING REAMERS.

**BRASS PLUMB BOB**

Precision machined brass with clear lacquer finish and hardened replaceable tip. Top unscrews for centered string installation. Top size: .8 oz 4.78" L Finish: Clear Lacquer Characteristics: Replaceable Tip, Screw Top To Attach String (String Not Included) P/N 12-01711 ........... $17.90

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**Prices Subject to Change Without Notice**

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**Definitions:**

- **METRIC SIZES NOT LISTED, MAY BE AVAILABLE UPON REQUEST**
- **Note:** All tools (front and rear cutting blade with positive rake) -.10 + .40mm.
- **Series L3A and L3B tools have a working range of -0.004 + .015 inches and -.03 + .15mm.**
- **Series L1A and L1B tools have a working range of -0.0 + .006 inches and -.10 + .40mm.**

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**Hole Dia.** **Shank Dia.** **Blade Series** **Part No.** **Price**

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<th>Hole Dia.</th>
<th>Shank Dia.</th>
<th>Blade Series</th>
<th>Part No.</th>
<th>Price</th>
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<tr>
<td>3/32 in.</td>
<td>0.073 mm</td>
<td>L1A</td>
<td>12-02949</td>
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<td>L1B</td>
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