**NEEDLES – GROMMETS – PLATES**

**MARTIN FABRIC CLIPS**

![Capstrip Web]

Used to secure fabric to metal ribs in wings and control surfaces. Replaces rib-stitch cord or P-K screws. Provides a more secure and streamlined installation. Drastically reduces covering time. FAA-approved for aircraft listed. Easily adapts to homebuilt with metal ribs. Spacing between clips, 3”. Spacing may be reduced to 1-1/2” on high-performance aircraft by using 2 wires, with clips inserted in alternate holes that are spaced 1-1/2” apart. Fabricated from stainless steel wire. Supplied in 25-ft. continuous coils.

**NOTE:** FAA Approved for some aircraft. Please see our website for complete approval list.

**Prices Subject to Change Without Notice**

**INSTALLATION KITS**

All install kits $38.95. No clips are included. Order separately. *If clips are used to secure fabric on controls, add 50 ft.

**3M™ FINE-LINE PAINT TAPE**

Individual spring steel clips used to attach fabric to metal ribs. Eliminates rib-stitching. 5% Discount on purchase of 100

| P/N 09-19900 | $0.77 |

**WOOD BRUSHES**

Natural, undyed bristle with smooth, unpainted wood handles. Unaffected by paint, dips, thinners or solvents.

<table>
<thead>
<tr>
<th>Brush Width</th>
<th>Part Number</th>
<th>Price Each</th>
<th>Brush Width</th>
<th>Part Number</th>
<th>Price Each</th>
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<tbody>
<tr>
<td>1/2</td>
<td>09-21100</td>
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<td>2-1/2</td>
<td>09-38825</td>
<td>$0.75</td>
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<tr>
<td>1”</td>
<td>09-21200</td>
<td>$0.50</td>
<td>3”</td>
<td>09-38803</td>
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<td>2”</td>
<td>09-21300</td>
<td>$0.64</td>
<td>4”</td>
<td>09-38804</td>
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Discount: Less 10% on 50, 15% on 100 (per size)

**ACID OR GLUE RESISTANT NEEDLES**

Horse hair with metal handle.

| #1-3/8” Wide | P/N 09-21400 | $0.39 ea. | $3.65 dz. |
| #2-1/2” Wide | P/N 09-21500 | $0.46 ea. | $4.65 dz. |

**DOLLAR PATCHES**

Grade B fabric patches for quick repairs on Grade B & Dacron covering. Smooth edge, 2.5” dia. Also available in Dacron which are more durable & less noticeable on aircraft exterior. Less 10% For 12 or more.

- Grade A cotton patches P/N 09-17700 $1.62/ea.
- Dacron Dollar Patches P/N 09-17705 $1.51/ea.
- Ceeconite C101 P/N 09-00162 $1.50/ea.
- Ceeconite C102 P/N 09-00163 $1.50/ea.
- PF P-103 Med P/N 09-18750 $1.50/ea.
- P99 Heavy Duty P/N 09-00164 $2.05/ea.

**RIB LACING & SEWING NEEDLES**

| 3” Curved Needle 3C | P/N 09-18705 | $1.35/ea |
| 6” Curved Needle 6C | P/N 09-18710 | $1.00/ea |
| 12” Curved Tip Needle 12C | P/N 09-18720 | $21.40/ea |
| 12” Straight Needle 12 | P/N 09-18725 | $4.40/ea |
| 18” Curved Tip Needle 18C | P/N 09-18730 | $31.00/ea |

**Needle Assortment includes each of the following:**

- 3” curved, 6” curved, 12” curved, 12” straight, 18” straight.

| P/N 09-18755 | $35.50 |

**RIB STITCH NEEDLES**

Made from the highest quality steel. Heat treated, nickel plated.

- 2-1/4” Curved Needle 18 Gauge | P/N 09-18300 | $1.25/ea |
- 4” Curved Needle 15 Gauge | P/N 09-18400 | $1.75/ea |
- 10” Curved Needle 13 Gauge | P/N 09-18500 | $3.95/ea |
- 14” Curved Needle 13 Gauge | P/N 09-18600 | $4.75/ea |
- 18” Curved Needle 12 Gauge | P/N 09-18700 | $5.95/ea |

**“T” HEAD PINS**

Used to hold fabric in place temporarily in covering operation.

- Plated steel, 1-1/2” L. 100 Pins | P/N 09-18850 | $5.85 |

**SCREWS**

Used on some aircraft models to attach fabric to metal wing ribs and empennage ribs instead of rib lacing. Truss-head, type “A” self-tapping sheet metal screws. Size #4 x 1/4”.

- Stainless Steel, Phillips Head | P/N TX44 | $0.03/ea |
- Stainless Steel Type A, Phillips | P/N RXK1/2SS | $0.04/ea |
- Stainless Steel Type A, Phillips | P/N TX6 | $0.04/ea |

**AD-41H CLOSED-END BLIND POP RIVET**

1/8” diameter. Used to seal tubing vent holes.

| P/N 04-01496 | $0.12/ea |

**BLIND RIVETS**

Use these 1/8” dia. “Pop” rivets to attach fabric to the ribs on Champion/Bellanca aircraft. 100 Rivets. P/N 09-18900 $22.35

**WASHERS**

Aluminum washers may be used in place of original plastic washers under screws and pop rivets to attach fabric to metal wing or empennage ribs.

- Plastic, 1/8” I.D. x 1/2” OD | P/N 09-19000 | $29.50 |
- Aluminum, 0.128” I.D. x 1/2” OD x 0.016 | P/N 09-19100 | $7.30 |

**DRAIN GROMMETS**

Manufactured from virgin cellulose acetate butyrate resin.

<table>
<thead>
<tr>
<th>Grommet Type</th>
<th>Part No.</th>
<th>O.D.</th>
<th>I.D.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
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<td>Flat ANS1-1</td>
<td>1-1/4”</td>
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<td>Flat ANS1-2</td>
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<td>1/2”</td>
<td>$0.20</td>
<td></td>
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</tbody>
</table>

*Depressed center — LESS 15% ON QTY. OF 100 (per Part No.)*

**INSPECTION RINGS**

Clear plastic rings, 4-5/8” O.D. x 3-1/2” I.D. x .050” thick, molded from virgin cellulose acetate butyrate resin. To be cemented to fabric as inspection plate retainer. 20% Discount on 100 or more.

| P/N 09-19200 | $0.67 ea |

**INSPECTION RING PATCHES**

Glued over inspection rings to prevent accidental removal.

| P/N 09-18750 | $1.50 ea |

**INSPECTION PLATES**

- **DOMED** - Concave aluminum snap-type plate has single clip riveted across full diameter. Snaps to the ring at 2 contact points. Plate is 4.75” dia.
  | P/N 09-18500 | $2.25ea | $191.25/100 |

- **RECESSED** - Recessed center and flanged-edge design will not creep off center due to vibration in propwash areas. 4-3/4” dia. x .020 aluminum. Will not twist or vibrate.
  | P/N 09-18740 | $5.95 ea |

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