

# NEEDLES – GROMMETS – PLATES

## MARTIN FABRIC CLIPS



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.**

25-Ft. Coil.....P/N 09-19400.....

| Aircraft Model     | STC No.            | Part No. | Feet Req'd. |
|--------------------|--------------------|----------|-------------|
| Aeronca-Champion   | SA150S0            | 09-19500 | 225         |
| Piper — All Models | SA126S0            | 09-19600 | 175-250     |
| Stinson            | SA615S0            | 09-19700 | 175         |
| Taylorcraft        | Original Equipment | 09-19800 | 225         |

## INSTALLATION KITS

**All install kits .. No clips are included. Order separately.**

**\*If clips are used to secure fabric on controls, add 50 ft.**



## CESSNA-TYPE FABRIC CLIPS

Individual spring steel clips used to attach fabric to metal ribs. Eliminates rib stitching.

P/N 09-19900.....

## 3M™ FINE-LINE PAINT TAPE

This 3M™ tape is particularly suitable for pin striping, multicolor and other custom painting applications. It is a thin, conformable green polypropylene film tape with a special finish that resists paint runoff. The adhesive adheres instantly and offers good holding power, resists lifting and curling. Stretchable and easy to handle. Provides an extremely fine color-line separation for decorative painting of aircraft. Scotch No. 218.

1/8" x 60 Yds.....P/N 09-20200.....

1/4" x 60 Yds.....P/N 09-20300.....

1/2" x 60 Yds.....P/N 09-20400.....

3/4" x 60 Yds.....P/N 09-20500.....



## WOOD BRUSHES

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

| Brush Width | Part Number | Price Each | Brush Width | Part Number | Price Each |
|-------------|-------------|------------|-------------|-------------|------------|
| 1/2"        | 09-21100    | .          | 2-1/2"      | 09-38825    | .          |
| 1"          | 09-21200    | .          | 3"          | 09-38803    | .          |
| 2"          | 09-21300    | .          | 4"          | 09-38804    | .          |

## ACID OR GLUE BRUSHES

Horse hair with metal handle.

#1- 3/8" Wide.....P/N 09-21400.....ea.

#2- 1/2" Wide.....P/N 09-21500.....ea.

## 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.

Dacron Dollar Patches...P/N 09-17705...../ea.

Ceconite C101.....P/N 09-00162...../ea.

Ceconite C102.....P/N 09-00163...../ea.

PF P-103 Med.....P/N 09-18750...../ea.

P99 Heavy Duty.....P/N 09-00164...../ea.

## RIB LACING & SEWING NEEDLES



| Description    | Size       | Part Number | Price |
|----------------|------------|-------------|-------|
| 3" Curved      | Needle 3C  | 09-18705    | .     |
| 6" Curved      | Needle 6C  | 09-18710    | .     |
| 12" Curved Tip | Needle 12C | 09-18720    | .     |
| 12" Straight   | Needle 12  | 09-18725    | .     |
| 18" Curved Tip | Needle 18C | 09-18730    | .     |

**Needle Assortment includes 1 each of the following:** 3" curved, 6" curved, 12" curved, 12" straight, 18" straight ..P/N 09-18735.....



## RIB STITCH NEEDLES

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

| Description   | Gauge Size | Part Number | Price |
|---------------|------------|-------------|-------|
| 2-1/4" Curved | 18         | 09-18300    | .     |
| 4" Straight   | 15         | 09-18400    | .     |
| 10" Straight  | 13         | 09-18500    | .     |
| 14" Straight  | 13         | 09-18600    | .     |
| 18" Straight  | 12         | 09-18700    | .     |

## "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.....

## 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 T4X4...../ea

Stainless Steel Type A, Phillips.....P/N 4RX1/2SS...../ea

Stainless Steel Type A, Phillips.....P/N T4X6...../ea

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



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

P/N 04-01496...../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.....



## WASHERS

Aluminum washers may be use 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.....

Aluminum, 0.128" ID x 1/2" OD x 0.016.....P/N 09-19100.....



## DRAIN GROMMETS

Manufactured from virgin cellulose acetate butyrate resin.

| Grommet Type | Part No. | O.D.   | I.D.  | Price each | Grommet Type | Part No. | O.D.   | I.D. | Price each |
|--------------|----------|--------|-------|------------|--------------|----------|--------|------|------------|
| Flat         | AN231-1  | 1-1/4" | 3/8"  | .          | Seaplane*    | AN231-4  | 1-1/8" | —    | .          |
| Flat         | AN231-2  | 3/4"   | 5/16" | .          | Aluminum     | 09-19110 | 3/4"   | 1/4" | —          |

\*Depressed center



## 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.

P/N 09-19200.....ea.



## INSPECTION RING PATCHES

Glued over inspection rings to prevent accidental removal.

P/N 09-18750.....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 09-19300.....ea...../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.....ea.



## PIPER INSPECTION ACCESS HOLE KIT

Piper inspection access hole kit 765-106 comes with hardware, 2 plates, and 2 backup ring assemblies.

P/N 09-05779.....

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