

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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