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Taylor

Pneumatic Tool Company

T-7788K

3/8" Reversible Drill
w/ Keyless Chuck (T-#2, T-#3 not shown)



RPM 2500
Weight 2 lbs.
Length 7-1/4"
Air Inlet 1/4" NPT
Air Pressure 90 PSI Max.

*Rear Exhaust

*Quality hardened gears

*Convenient forward and reverse lever

*Lightweight aluminum handle

T-4X

Pistol Grip
.401 Rivet
Hammer

(T-2X, T-3X not shown)



Model #	T-2X	T-3X	T-4X
Shank Diameter	.401	.401	.401
Bore & Stroke	1/2"X2-1/4"	1/2"X2-7/8"	1/2"X3-1/16"
Blows per Min.	2600	2100	1700
Length	6-11/16"	7-5/16"	8-5/16"
Weight	2-1/4 lbs.	2-5/16 lbs.	2-3/4 lbs.
Air Pressure	90 PSI Max.	90 PSI Max.	90 PSI Max.

*Extra sensitive teasing throttle

*Lightweight aluminum handle

*Hardened tool steel piston and steel alloy cylinder for long life

*Spool valve for slow heavy blows needed to drive rivets

T-7888 1/4" Palm Drill



RPM 2800
Drill Chuck Size 1/4"
Weight 1.25 lbs.
Air Inlet 1/4" NPT
Air Pressure 90 PSI Max.

The T-7888 is a small precision 1/4" drill with plenty of power that fits in the palm of your hand.

T-7888-1B 1/4" Palm Drill w/ 1B Chuck

Same great tool as the T-7888, but with a more precise Jacob 1B chuck.

T-7759R 1/4" Angle Die Grinder

Also available is the T-7759 front exhaust. Angle Die Grinder



RPM	25,000	*Hardened spiral bevel gears
Collet Size	1/4"	
Length	6-5/8"	
Weight	1 lbs.	*Grease fitting in head
Air Pressure	90 PSI Max.	
Air Inlet	1/4" NPT	*.25 HP

Angle design provides comfortable grip. Strong and reliable, the T-7759R is excellent for grinding, polishing, deburring and breaking sharp edges in confined areas. 1/8" collet available (T-7508).

*Full ball bearing construction
*Lockoff lever

T-9750 90 Degree Angle Drill



RPM	2800	*Compact
HP	.33	
Spindle	1/4"-28 female thread	*Lightweight
Weight	1.6 lbs.	
Length	10"	*Variable speed throttle
Air Inlet	1/4" NPT	
Air Pressure	90 PSI Max.	*Uses 1/4"-28 threaded drill bits

Primarily used in the aircraft manufacturing and repair industry, the T-9750 is designed to insure precision holes for critical applications. The angle head may be rotated 360 degrees to allow ideal orientation to the throttle. Ribbed handle for secure grip. Mini grease fitting in angle head. Rear exhaust. Head height = 1.025" width = .670

T-9751

45 Degree Angle Drill



RPM	2800	*Compact
HP	.33	
Spindle	1/4"-28 female thread	*Lightweight
Weight	1.6 lbs.	
Length	10"	*Variable speed throttle
Air Inlet	1/4" NPT	
Air Pressure	90 PSI Max.	

Same great motor and gears as the T-9750, but with a 45 degree angle head. Uses 1/4"-28 threaded drill bits.

T-7015

Jam Gun & Cup



Cup Capacity 8 fl. oz.
Air Pressure 40 to 90 PSI Max
Air Consumption 2 to 4 CFM
Nozzle Tip 1.8mm

*Ideal for touch up, shading and spotting

*Pin point accuracy

T-7891 3/16" Heavy Duty Riveter

Capacity 3/16"
Pulling Force 2300 lbs.
Stroke adjustable to 9/16"
Height 10-1/4"
Weight 3-1/8 lbs.
Air Inlet 1/4" NPT
Air Pressure 90 PSI Max.



*Heavy duty construction

*Hardened jaw and nosepiece

*Ideal for steel, stainless steel, aluminum, formica and masonite

* Tool includes 3/16", 5/32", 1/8" and 3/32" nosepieces.

T-7007

Spray Gun & No Drip Cup

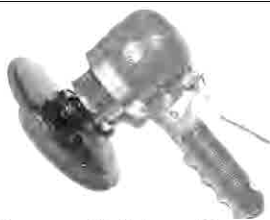


Cup Capacity One Quart
Nozzle Tip 1.8mm
Fluid Inlet 3/8" NPS
Weight Gun & Cup 1.2 lbs.
Air Pressure 30 to 70 PSI
Air Consumption 8.5 to 12 CFM
Compressor Required 1-1/2 HP Min.

Designed for spraying all refinishing materials, including varnishes, urethanes, primers, lacquers, enamels and acrylics. Sprays a wet heavy pattern.

T-7311

6" DA Sander



RPM	10,000	*Built-in regulator
Pad Diameter	6"	
Length	19-19/64"	*1/2 HP motor
Weight	1.7 lbs.	
Air Pressure	90 PSI Max.	*Full ball bearing construction
Air Inlet	1/4" NPT	
Hose Size	3/8" ID	*Built-in silencer

The T-7311 is built for fast material removal, blending body filler, contouring patches and sanding pre-paint preparation.

*Balanced counter weight design is smooth for longevity

T-7711

Nibbler



Strokes per min.	2,600	*Teasing Throttle
Width of cut	7/32"	
Max. Steel Thickness	18 gauge	*1/2 HP motor provides power through hardened planetary gear system
Length	7"	
Weight	2.2 lbs.	
Air Inlet	1/4" NPT	*Cutting head adjustable 360 degrees in 90 degree increments
Air Pressure	90 PSI Max	

The T-7711 cuts sheet metal leaving a clean distortion free cut. This tool is a must for every body shop and sheet metal shop. Easily cuts circles and contoured shapes.

T-7728

3/8" Ratchet Wrench



RPM	375	
Bolt Capacity	3/8"	*Teasing throttle
Square Drive	3/8"	
Max. Torque	50 ft. lbs.	*Ball type socket retainer
Max. Torque by Hand	125 ft. lbs.	
Length	10"	*Convenient forward and reverse button
Weight	2-1/2 lbs.	
Air Inlet	1/4" NPT	*Light, easy to grip aluminum handle
Air Pressure	90 PSI Max.	

The T-7728 is one of the most useful tools around. Great for hard to reach fasteners.

T-7788 3/8" Drill

RPM	2,500
Drill Chuck Size	3/8"
HP	.5
Length	7"
Weight	2 lbs.
Air Inlet	1/4" NPT
Air Pressure	90 PSI Max.



- *Quality hardened gears
- *Rear Exhaust
- *Variable Speed
- *Lightweight aluminum handle

The T-7788 is great for those tough jobs that need extra power. Excellent tool for honing, reaming, wirebrushing, hole sawing and heavy duty drilling.

T-7402

1/8" Pencil Grinders



Model #	T-7402	
RPM	70,000	*Precision ball bearings
Collet	1/8"	
Length	5-1/2"	*Rear Exhaust
Weight	3-3/4 oz.	

The perfect tools for cleaning and polishing dies, porting and polishing engines, de-burring castings, and any job where carbide burrs are used for delicate material removal.

- *Twist throttle
- *1/8" collets

T-7720 3/8" Butterfly Impact

Bolt Capacity	3/8"
Square Drive	3/8"
Max. Torque	125 ft. lbs.
Length	6-1/4"
Weight	2 lbs.
Air Inlet	1/4" NPT
Air Pressure	90 PSI Max.



- *Paddle style forward and reverse lever
- *Built-in regulator
- *Ring type socket retainer
- *Protective rubber scuff guard

Our T-7720 features a 360 degree swivel regulator. Its lightweight and compact size lets you reach the tightest fasteners.

T-7757R

1/4" High Speed Die Grinder



Free Speed RPM	25,000	*Direct drive
Collet Size	1/4"	
Length	6-5/8"	*Rear Exhaust
Weight	1-3/8 lbs.	*Full ball bearing construction
Air Pressure	90 PSI Max.	*Powerful .5HP motor
		*Lockoff lever

Compact to work in close quarters, the T-7757R cannot be damaged by overloading. Drill, brush, hone, deburr without hazard of electric shock. (Not for use with cast wheels or accessories not rated for 25,000 RPM.) Optional 1/8" collet available (T-7508).

T-7788R 3/8" Reversible Drill

RPM	2,500
Drill Chuck Size	3/8"
HP	.5
Length	7"
Weight	2 lbs.
Air Inlet	1/4" NPT
Air Pressure	90 PSI Max.



- *Quality hardened gears
- *Rear Exhaust
- *Variable Speed
- *Lightweight aluminum handle

The T-7788R is great for those tough jobs that need extra power. Excellent tool for honing, reaming, wirebrushing, hole sawing and heavy duty drilling.

T-7700

Heavy Duty Metal Shear



Steel Capacity	18 gauge
RPM	2200
Length	8-1/4"
Weight	3 lbs.
Air Inlet	1/4" NPT
Air Pressure	90 PSI Max.

Make distortion free cuts with the T-7700 and T-7701. The blades shear the material giving a clean cut. A 1/4" strip of material is removed by the cutting action or can be used to trim one edge. Loosen one screw and head rotates 360 degrees.

- *Cuts up to 18 gauge sheet metal
- *Lightweight, easy to maneuver
- *3 gear planetary gear system
- *Head rotates 360 degrees

T-7724

3/8" Pistol Grip Impact

Bolt Capacity	3/8"
Square Drive	3/8"
Max. Torque	100 ft. lbs.
Length	6-1/4"
Weight	2 lbs.
Air Inlet	1/4" NPT
Air Pressure	90 PSI Max.



- *Light easy to grip aluminum handle
- *Built-in regulator
- *Ring type socket retainer
- *Protective rubber scuff guard

The T-7724 has a convenient forward and reverse switch. The rocking dog clutch is designed for maximum durability.

T-7758R

1/4" Rear Exhaust Die Grinder



RPM	25,000	*Direct drive
Collet Size	1/4"	
Length	5-1/2"	*Rear Exhaust
Weight	13/16 lbs.	
Air Pressure	90 PSI Max.	*Full ball bearing construction
Air Inlet	1/4" NPT	

The T-7758R fits in the palm of your hand. Easy accessibility to confined areas.

- *Powerful .25HP motor
- *Lockoff lever

1/8" collet available (T-7508).

T-7801

3" Cutoff Tool



RPM	22,000	*Precision ball bearings
Wheel Size	3"	
Arbor Size	3/8"	*Rear Exhaust
Length	7-3/4"	
Weight	1-3/4 lbs.	*Fast smooth 1/2 HP motor
Air Pressure	90 PSI Max.	
Air Inlet	1/4" NPT	*Built-in regulator

When plenty of reliable power is needed, the T-7801 will provide it. Cuts sheet metal, fiberglass, muffler clamps and hangers. Grinds burrs and rough edges.

- *Lockoff lever

QUALITY PRECISION ANGLE DRILLS

- *Tough alloy steel gear transmission design for smooth and quiet operation.
- *Milled motor housing for precision alignment.
- *Hardened alloy steel cylinder and rotor to insure less power loss and longer life.
- *Rear Exhaust.
- *Weight 0.86 kgs.
- *1/4" Drill Capacity.
- *Length 272 mm
- *1/4-28 Internal Thread Spindle.
- *Side to Center 0.319" (8.1mm).
- * 3000 & 5000 RPM Models Available

90° Angle Drill



GATAD3090 - (3000RPM)
GATAD5090 - (5000RPM)

45° Angle Drill



GATAD3045 - (3000RPM)
GATAD5045 - (5000RPM)

360° Swivel Angle Drill



GATAD3036 - (3000RPM)
GATAD5036 - (5000RPM)

Interchangeable Head

90° Angle



p/n GATANH900

Interchangeable Head

45° Angle



p/n GATANH450

Interchangeable Head

360° Swivel Angle



p/n GATANH360

Replacement Motors

3000 RPM
p/n GATMH3000



5000 RPM
p/n GATMH5000

GATKIT-PROAD3K-2

2pc. 3000RPM Kit

Kit Contains 1ea.	
GATAD3090	90 DEG. ANGLE DRILL
GATANH450	45 DEG. ANGLE HEAD
KITBOX0608	KIT BOX

GATKIT-PROAD3K-3

3pc. 3000RPM Kit

Kit Contains 1ea.	
GATAD3090	90 DEG. ANGLE DRILL
GATANH450	45 DEG. ANGLE HEAD
GATANH360	360 DEG. ANGLE HEAD
KITBOX0608	KIT BOX

Kits

GATKIT-PROAD5K-2

2pc. 5000RPM Kit

Kit Contains 1ea.	
GATAD5090	90 DEG. ANGLE DRILL
GATANH450	45 DEG. ANGLE HEAD
KITBOX0608	KIT BOX

GATKIT-PROAD5K-3

3pc. 5000RPM Kit

Kit Contains 1ea.	
GATAD5090	90 DEG. ANGLE DRILL
GATANH450	45 DEG. ANGLE HEAD
GATANH360	360 DEG. ANGLE HEAD
KITBOX0608	KIT BOX

Mini Pistol Drill



- *Free Speed 3000 RPM
- *Rear Exhaust
- *1/4" Drill Capacity
- *3/8-24 Spindle Thread
- *1/4" Air Inlet
- *Weight 0.80 kgs
- *Length 155 mm

Tough alloy steel gear transmission design for smooth and quiet operation. Hardened alloy steel cylinder and rotor to insure less power loss and longer life. Feather trigger for comfortable and easy triggering. Comes with 1/4" drill chuck and built-in muffler.

p/n GATPD1430

Quick Locking Chuck



Designed to fit any standard drill motor with 3/8-24 threaded chuck spindle. To operate, slide front sleeve out away from drill motor to remove or install tools with quick change shanks.

p/n GATCHUCK1

45° Drill Attachment



Uses 1/4-28 threaded drill bits and accessories. Recommended 1/4" diameter drill capacity. 7-1/2" long, features a 1/4" chucking shank for use with almost any hand drill.

p/n GATAT450

90° Drill Attachment



Uses 1/4-28 threaded drill bits and accessories. Recommended 1/4" diameter drill capacity. 7-1/8" long, features a 1/4" chucking shank for use with almost any hand drill.

p/n GATAT900

Drill Extender



Used to chuck threaded drill bits and countersinks. Same as drill extension threaded, but used with the quick locking drill chuck. 2" in length.

p/n GATDECHK

p/n GATKIT-CHUCKEXT

KIT CONTAINS:

1ea.	GATCHUCK1
1ea.	GATDECHK

Blind Hole Spotters



Also known as transfer pins. Use to "spot" holes quickly, simply and easily.

PART#	SIZE
GATBH18	1/8"
GATBH532	5/32"
GATBH316	3/16"
GATBH14	1/4"
GATBH516	5/16"
GATKIT-BHS	5pc. KIT

AIRTOOL ACCESSORIES

GAT7922

Hose Swivel



Swivels 360° at two locations which allows an air line hose to drop to the floor while providing superb tool handling. Improves tool maneuverability, minimizes operator fatigue, and extends hose life. 1/4" NPT tread size.

GAT7922R

Regulated Hose Swivel



Has built-in finger-tip air flow control regulator + swivels 360° at two locations which allows an air line hose to drop to the floor while providing superb tool handling. Improves tool maneuverability, minimizes operator fatigue, and extends hose life. 1/4" NPT tread size.

T-5711

Brass Regulator



Used on rivet guns and air tools to regulate / restrict air flow for more positive and precise control. Saves time and trips to your air source regulator when u need to adjust air pressure. Features positive micro-adjustments for precise settings. Solid brass construction. 1/4" NPT tread size.

T-7472

7 1/2" Polishing Pad



T-7470A T-9801341

7" Rubber Back Up Pad Cutoff Wheel 4"X1/16"X3/8"



T-7415

5" DA Pad



T-7416

6" DA Pad



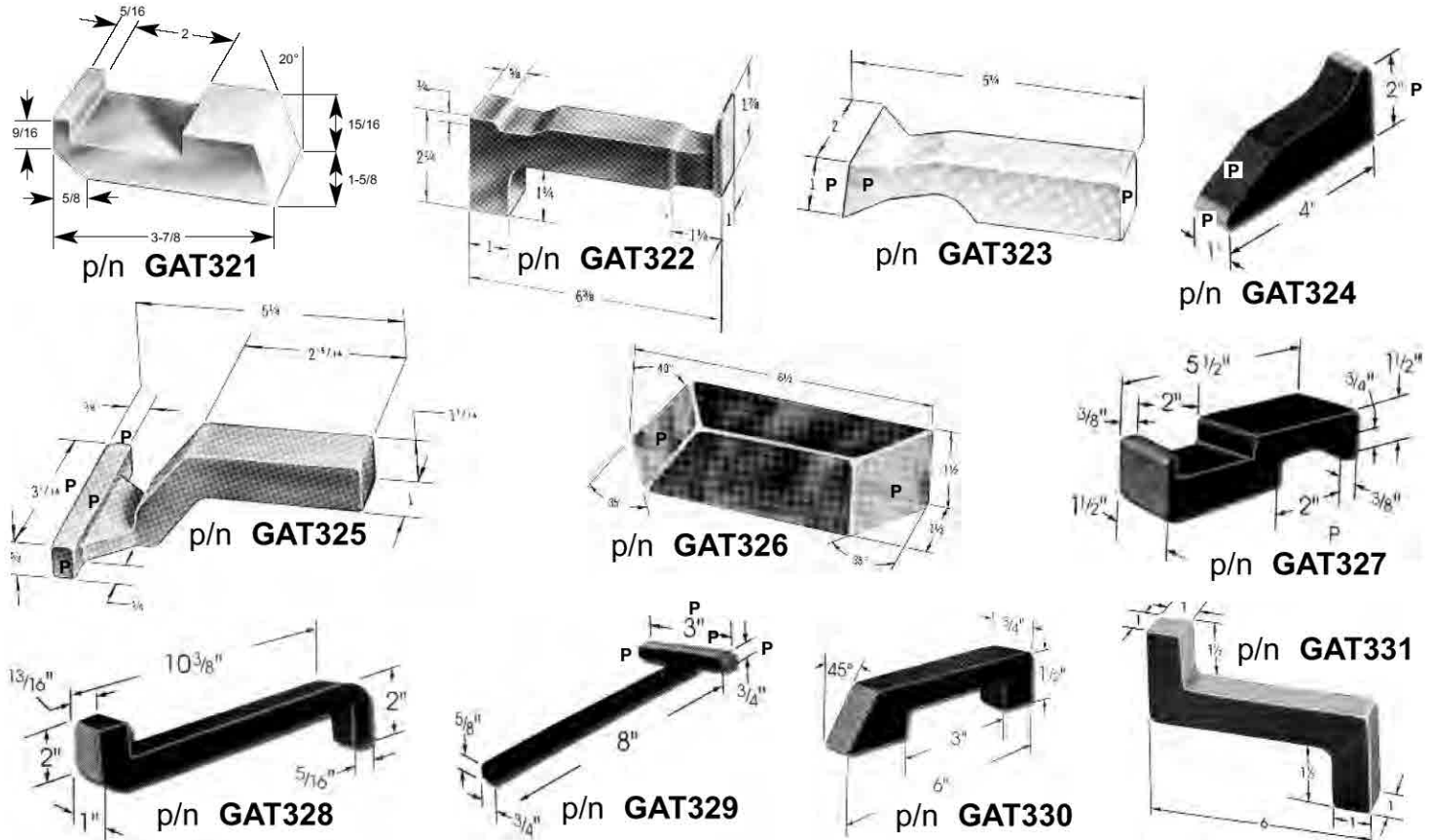
T-7801341

(1) Cutoff Wheel 3"X1/16"X3/8" T-780134 for 50pcs



Bucking Bars

Bucking bars are carried in stock and are the more standard designs that are used throughout the industry. These bars are heat treated with all working surfaces polished with proper radius on edges and corners.



Bucking Bar Set

Our Most Popular Numbers

4pc. Bucking Bar Set Includes one each: GAT321, GAT322, GAT324 and GAT325

p/n **GATKIT-3**

C Yoke Rivet Set

p/n GAT198

- 1" Reach
- 3" Gap
- .187 hole for squeezer set
- .401 shank for rivet gun



60 Degree C Yoke Rivet Set

p/n GAT200

- 3" Polished Face
- 1.5" to 2" Gap
- .401 shank for rivet gun



Straight Rivet Set

These sets are forged from shock resisting tool steel. Proper heat treatment ensures long tool life. Shank diameter .401".



PART#	RIVET SIZE	LENGTH
GAT150	3/32	3-1/2
GAT151	1/8	3-1/2
GAT152	5/32	3-1/2
GAT153	3/16	3-1/2
GAT170	3/32	5-1/2
GAT171	1/8	5-1/2
GAT172	5/32	5-1/2
GAT173	3/16	5-1/2
GAT180	3/32	7-1/2
GAT181	1/8	7-1/2
GAT182	5/32	7-1/2
GAT183	3/16	7-1/2

Offset Rivet Set

These rivet sets are forged from shock resisting tool steel. The offset clearance is 10°. Shank diameter .401"



PART#	RIVET SIZE	LENGTH
GAT154	3/32	3-1/2
GAT155	1/8	3-1/2
GAT156	5/32	3-1/2
GAT157	3/16	3-1/2
GAT174	3/32	5-1/2
GAT175	1/8	5-1/2
GAT176	5/32	5-1/2
GAT177	3/16	5-1/2
GAT184	3/32	7-1/2
GAT185	1/8	7-1/2
GAT186	5/32	7-1/2
GAT187	3/16	7-1/2

Straight Riveting Kit 1

p/n GATKIT-1 5pc.

Includes 1 ea.- GAT150, GAT151, GAT152 GAT153 & GAT158

Flush Rivet Sets

Flush sets are short rugged sets that will stand extremely hard usage. Faces are crowned and mirror polished. Shanks are precision ground and shank diameter is .401".



PART#	FACE DIA.	LENGTH
GAT160	3/4"	2-1/16
GAT158	1"	2-1/16
GAT159	1 1/4"	2-1/16

Extended Flush Rivet Set

Flush sets are rugged sets that will stand extremely hard usage. Faces are mirror polished with the proper radii to give smooth riveted surfaces. Shanks are precision ground and shank diameter is .401".



PART#	FACE DIA.	LENGTH
GAT131	1"	3-1/2
GAT132	1"	5-1/2
GAT133	1"	7-1/2

Extended Offset Flush Rivet Set

Offset flush sets have a clearance of 10° that begins one inch from the end, permitting smooth flush riveting where obstructions are encountered. These sets are forged from shock resisting tool steel and have precision ground shanks and mirror polished faces. Shank diameter is .401".



PART#	FACE DIA.	LENGTH
GAT161	1"	3-1/2
GAT141	1"	5-1/2
GAT142	1"	7-1/2

Offset Riveting Kit 2

p/n GATKIT-2 5pc. Offset Riveting Set

Includes 1 ea.- GAT154, GAT155, GAT156 GAT157 & GAT161

Double Offset Rivet Sets

Double offset rivet sets are designed for riveting in hard to reach spots. These sets are forged from shock resisting tool steel and have precision ground shanks with mirror polished cups. Shank diameter is .401".



PART#	SIZE	LENGTH
GAT190	3/32	5-1/2
GAT191	1/8	5-1/2
GAT192	5/32	5-1/2
GAT193	3/16	5-3/8

Gooseneck Rivet Sets

Gooseneck rivet sets are designed for riveting in hard to reach spots and around obstructions. These sets are forged from shock resisting tool steel and have precision ground shanks with mirror polished cups. Shank diameter is .401".



PART#	SIZE	LENGTH
GAT194	3/32	6-5/8
GAT195	1/8	6-5/8
GAT196	5/32	6-5/8
GAT197	3/16	6-5/8

Knock-Out Punch

Our Knock-Out Punches are made from quality chrome steel and heat treated for longer life. Also available with .498 shank diameter. Overall length is 3-1/2 with a .401 shank diameter.



PART#	PIN DIA.	PIN LGTH.
GAT113	1/8	1/2
GAT114	5/32	1/2
GAT115	3/16	1/2
GAT116	1/4	1/2



PART#	PIN DIA.	PIN LGTH.
GAT117	1/8	1-1/4
GAT118	5/32	1-1/4
GAT119	3/16	1-1/4
GAT120	1/4	1-1/4

Strap Duplicators

Strap duplicators are used for drilling duplicate holes from an overlapping sheet. Tapered end is a convenient tool for prying sheets apart. Carbon spring steel precision spot welded assembly to insure alignment.

Bushing Type

Locate the pilot into the original structure and drill through bushing for new sheet.



PART#	PILOT DRILL SIZE	LENGTH
GAT121	#40	6-1/2"
GAT122	#30	6-1/2"
GAT123	#21	6-1/2"
GAT124	#10	6-1/2"
GAT125	#40	13-1/4"
GAT126	#30	13-1/4"
GAT127	#21	13-1/4"
GAT128	#10	13-1/4"
GAT471	1/4	6-1/4"
GAT481	1/4	13-1/4"

Inverted Type

Used when both sheets cannot be pried apart, pilot is located in original structure and drill through bushing for new sheet.



PART#	PILOT DRILL SIZE	LENGTH
GAT472	1/4	6-1/4"
GAT473	#10	6-1/4"
GAT474	#21	6-1/4"
GAT475	#30	6-1/4"
GAT476	#40	6-1/4"
GAT482	1/4	13-1/4"
GAT483	#10	13-1/4"
GAT484	#21	13-1/4"
GAT485	#30	13-1/4"
GAT486	#40	13-1/4"

Punch Type

Locate the pilot into the original structure and hardened spring loaded pin permits marking new sheet for later drill through.



PART#	PILOT DRILL SIZE	LENGTH
GAT477	#30	6-1/4"
GAT478	#40	6-1/4"
GAT487	1/4	6-1/4"
GAT488	#10	6-1/4"
GAT489	#21	6-1/4"
GAT490	1/4	13-1/4"
GAT491	#10	13-1/4"
GAT492	#21	13-1/4"
GAT493	#30	13-1/4"
GAT494	#40	13-1/4"

Drill Stops



Designed as a versatile aid that helps eliminate drill bit breakage and provides a sure stop to regulate hole depth.

*Locks on drill with two set screws.

*Unique rounded face eliminates surface marring.

*color coded by size for easy identification.

PART#	SIZE	COLOUR
DS10	#10	Brass
DS21	#21	Black
DS30	#30	Copper
DS40	#40	Silver
DS14	#1/4	Brass
DSS516	#5/16	Silver

Drill Stop Set

4 pc. set includes 1 EA.:

DS10, DS21, DS30 and DS40

p/n GATKIT-4

Rivet Removal Tool Kit



Our rivet removal tool is designed to keep the drill bit centered on the AN470 rivet head. The cupped drill guide also keeps the bit from slipping off and ruining the sheet metal around it. This tool is completely adjustable for drilling depth. It comes complete with four guides and drill bits for #3, #4, #5, and #6 rivets.

p/n GATKIT-RR

Drill Extension Threaded



PART#	LENGTH
GATDEXT2	2"
GATDEXT4	4"
GATDEXT6	6"

Drill Extension Dual Threaded



PART#	LENGTH
GATDDXT2	1"
GATDDXT4	2"
GATDDXT6	4"

Rivet Cutters



Quality steel construction. Hardened Steel cutting edges for long life of the tool. Cuts 3/32" to 1/4" aluminum rivets. Has adjustable stops for cutting rivets from 1/4" to 3/4" in 1/16" increments.

p/n GAT420

Rivet Holder



When you just need an extra hand.

p/n GAT496

Shop Head Rivet Gauge



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

p/n GATSHG

Rivet Length Gauge



One gauge measures -3,-4,-5 & -6 rivets. Used to check for proper length of rivets BEFORE setting. Eliminates measuring and guessing of rivets lengths. Works for both universal head and flush rivets. Precision machined to size from 2024 aluminum. Rivet size permanently stamped. Blue anodized finish.

p/n GATRLG

Brass Tipped Rivet Set



Great for knocking fasteners such as bolts or Hi-Loks in or out. The soft brass head will not damage the fastener.

p/n GAT 495

Nylon Tipped Rivet Set



p/n GAT 498

Aluminium and Nylon Rivet sets are the same as the Brass set only the tip is different. They're great for forming sheet metal, driving pins, loosening bolts, etc. Works just like a mallet, but with a lot more control. Fits into any standard rivet gun or air hammer that supports .401" shank tooling.

Aluminum Tipped Rivet Set



p/n GAT 497

Swivel Flush Rivet Set



New design flush rivet set with swivel action eliminates problem of rivet gun alignment with the work surface.

p/n GAT139

Mechanical-Aid Rivet Set Retainer Springs

T-5120 .401

Quick Change Spring



Lightweight spring with built-in finger tab for quicker and easier changing of straight rivet sets. Fits 2x;3x;&4x chicago pneumatic style rivet guns. Just screw it on and leave it. Makes "Beehive" springs obsolete.

T-5210 .401

Beehive Spring



Standard large wire beehive spring. Fits 2x;3x;&4x chicago pneumatic style rivet guns. Screws on and off rivet gun barrel. Note: For use only with straight or offset rivet sets-- will not work with flush rivet sets.

Other Popular Brands



Chicago Pneumatic Rivet Guns

Type "A" C.P. Part #82084:

Fits C.P. 2X, 3X, 4X, 6A, 8A, 0Y, 2Y, 3Y, 4Y

Type "D" C.P. Part #82092:

Fits C.P. 5X, 5XB, 7XA, 7XB, 9X, 9XB

Type "E" C.P. Part #82091

Fits C.P. 3A, 3AA

Ingersoll-Rand Rivet Guns

Type "B" I&R Part #AV-10: Fits all in A.V.C. series

Type "C": Fits all in A.V. series (no thread on barrel)

Independent Pneumatic (Thor) Rivet Guns

Type "A": Fits O65, P6S, B6S, L6S, 6S, O8S, P8S, L8S, 8S

Type "B": Fits 2S, B2S, L2S, P2S, 3S, B3R, O3S, L3S, P3S

Type "E": Fits 00G, 00P, 00L, 00B, 00F, 03, 03B, 03F, 03L, 03P, 04, 3ZB, 3ZL, 3Z0, 3ZP, 2M0

CLECO Pneumatic Rivet Guns

Division of Reed Roller Bit Company (Formerly Cleveland)

Type "A" CLECO Part #830684:

Fits E2, E3, E4, F5, D2, D3, 16

Type "A" CLECO Part #830662:

Fits G4, G6, G8

SKIL Pneumatic Rivet Guns

Type "A": Fits all models

Buckeye Pneumatic Rivet Guns

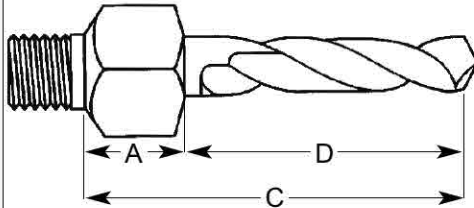
Type "E": Fits all models

PART#	TYPE
GAT199-1	Type A
GAT199-2	Type B
GAT199-3	Type C
GAT199-4	Type D
GAT199-5	Type E

1/4- 28 COBALT Threaded Shank Drills

NAS965 D adapter drill will have a greater tool life, resulting in a much lower cost per drill.

Drills are manufactured to NAS965 Type D construction with 135° heavy duty split points. Product of U.S.A.



LONG DRILLS		DIMENSIONS		
SIZE	PART#	A	C	D
		Hex	O/A L.	Flute L.
#40	GAT30980	1/4	2 1/8	7/8
#30	GAT31285	1/4	2 1/8	1 1/8
#27	GAT31440	1/4	2 1/8	1 1/8
#21	GAT31590	1/4	2 1/8	1 1/8
#20	GAT31610	1/4	2 1/8	1 1/8
#16	GAT31770	1/4	2 1/8	1 1/8
#13	GAT31850	1/4	2 1/8	1 1/8
#10	GAT31935	1/4	2 1/8	1 1/8

LONG DRILLS		DIMENSIONS		
SIZE	PART#	A	C	D
		Hex	O/A L.	Flute L.
#40	GAT30980	1/4	2 1/8	7/8
#30	GAT31285	1/4	2 1/8	1 1/8
#27	GAT31440	1/4	2 1/8	1 1/8
#21	GAT31590	1/4	2 1/8	1 1/8
#20	GAT31610	1/4	2 1/8	1 1/8
#16	GAT31770	1/4	2 1/8	1 1/8
#13	GAT31850	1/4	2 1/8	1 1/8
#10	GAT31935	1/4	2 1/8	1 1/8

LONG DRILLS		DIMENSIONS		
SIZE	PART#	A	C	D
		Hex	O/A L.	Flute L.
#40	GAT30980	1/4	2 1/8	7/8
#30	GAT31285	1/4	2 1/8	1 1/8
#27	GAT31440	1/4	2 1/8	1 1/8
#21	GAT31590	1/4	2 1/8	1 1/8
#20	GAT31610	1/4	2 1/8	1 1/8
#16	GAT31770	1/4	2 1/8	1 1/8
#13	GAT31850	1/4	2 1/8	1 1/8
#10	GAT31935	1/4	2 1/8	1 1/8

Threaded Shank Drill Sets

p/n GATTSDKIT1 Stub Series

Consists of 2 ea. GAT1 #10,20,21,30,40

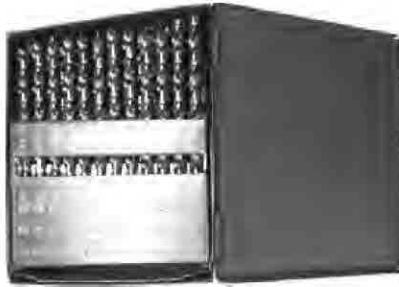
p/n GATTSDKIT2 Short Series

Consists of 2 ea. GAT2 #10,20,21,30,40

p/n GATTSDKIT3 Long Series

Consists of 2 ea. GAT3 #10,20,21,30,40

Jobber Length Drill Bit Sets



Heavy duty jobbers length drills have a 135° split point and are used in tough, high tensile strength materials like stainless steels, titanium and inconel. They are made to NAS 907 specifications with heavy duty flute construction. Numbered drill bits 1 to 60. p/n GAT16-401

Extension Drill Bits

National Aerospace Standard 907 extension drills are made to NAS 907 specifications, these extension drills are used for drilling in tough, high tensile strength materials like stainless steels, titanium and inconel. They are made with heavy duty flute construction and 135° split point.

SIZE	PART#	DEC.	LGTH.
#10	GATEX6-10	.1935	6
#11	GATEX6-11	.1910	6
#13	GATEX6-13	.1850	6
#16	GATEX6-16	.1770	6
#20	GATEX6-20	.1610	6
#21	GATEX6-21	.1590	6
#27	GATEX6-27	.1440	6
#30	GATEX6-30	.1285	6
#40	GATEX6-40	.0980	6
#10	GATEX12-10	.1935	12
#11	GATEX12-11	.1910	12
#13	GATEX12-13	.1850	12
#16	GATEX12-16	.1770	12
#20	GATEX12-20	.1610	12
#21	GATEX12-21	.1590	12
#27	GATEX12-27	.1440	12
#30	GATEX12-30	.1285	12
#40	GATEX12-40	.0980	12

Aircraft Taper Router



Pin routers are used for cutting trimming, routing around ribs, cowlings, door sills etc. Great for cutting plexiglass or aluminum.

PART#	SIZE	SHANK DIA.	FLUTE LGTH.	O/A LGTH.
GAT15-301	1	.0980	13/16	2-3/8
GAT15-302	2	.1280	7/8	2-5/8

Drill Bits



These jobbers are made to NAS 907 specifications, these drills are used for drilling in tough, high tensile strength materials like stainless steels, titanium and inconel. They are made with heavy duty flute construction and an 135° split point.

All Drills 12 per pkg.

WIRE GAUGE NUMBER SIZES			
PART#	DIA. NUMBER	DEC. EQUIV.	O/A LGTH.
GAT907-01	1	.2280	3-7/8
GAT907-02	2	.2210	3-7/8
GAT907-03	3	.2130	3-3/4
GAT907-04	4	.2090	3-3/4
GAT907-05	5	.2055	3-3/4
GAT907-06	6	.2040	3-3/4
GAT907-07	7	.2010	3-5/8
GAT907-08	8	.1990	3-5/8
GAT907-09	9	.1960	3-5/8
GAT907-10	10	.1935	3-5/8
GAT907-11	11	.1910	3-1/2
GAT907-12	12	.1890	3-1/2
GAT907-13	13	.1850	3-1/2
GAT907-14	14	.1820	3-3/8
GAT907-15	15	.1800	3-3/8
GAT907-16	16	.1770	3-3/8
GAT907-17	17	.1730	3-3/8
GAT907-18	18	.1695	3-1/4
GAT907-19	19	.1660	3-1/4
GAT907-20	20	.1610	3-1/4
GAT907-21	21	.1590	3-1/4
GAT907-22	22	.1570	3-1/8
GAT907-23	23	.1540	3-1/8
GAT907-24	24	.1520	3-3/8
GAT907-25	25	.1495	3
GAT907-26	26	.1470	3
GAT907-27	27	.1440	3
GAT907-28	28	.1405	2-7/8
GAT907-29	29	.1360	2-7/8
GAT907-30	30	.1285	2-3/4
GAT907-31	31	.1200	2-3/4
GAT907-32	32	.1160	2-3/4
GAT907-33	33	.1130	2-5/8
GAT907-34	34	.1110	2-5/8
GAT907-35	35	.1100	2-5/8
GAT907-36	36	.1065	2-1/2
GAT907-37	37	.1040	2-1/2
GAT907-38	38	.1015	2-1/2
GAT907-39	39	.0995	2-3/8
GAT907-40	40	.0980	2-3/8

Speed Driver

Designed for deburring of drilled holes. Driver will accommodate tools that have 1/4-28" threaded shanks.



p/n GAT135

"Rosebud" Deburring Bit

Used for quickly deburring holes from 1/16" thru 3/8". Complete with 1/4-28 threads. Six flute design reduces chattering.



p/n GATROSEBUD

Steel Countersinks

This high speed 6 flute chatterless countersink has a overall length of 2" and a shank length of 1".

- * High speed steel
- * 6 flute type
- * 1/4" rd. shank
- * 2" length



PART#	DIAMETER	ANGLE
GAT250A	3/8	100°

Rivet Shavers

These cutters are precision made from the finest quality material and have carbide inserts selected to give chatter-free, longer tool life. The flute configuration in our shaver cutters was specifically designed to give maximum chip clearance and to eliminate the web and dead center. Elimination of the web in the center of the cutter reduces breakage. Elimination of the dead center in the cutter allows for clean rivet shaving to the center, making it possible to shave such rivets as monel, steel and jo-bolts. The exclusive design of our flute configuration makes it possible to shave rivets faster and better on automatic riveters.

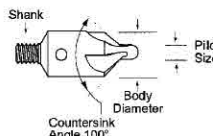


PART#	DIAMETER	THREAD
GAT110	5/16	1/4-28
GAT111	3/8	1/4-28
GAT112	1/2	1/4-28

High Speed Steel Stop Countersinks

PART#	PILOT SIZE	DEC. EQU.
GAT62-40	40	.0980
GAT62-30	30	.1285
GAT62-27	27	.1440
GAT62-21	21	.1590
GAT62-10	10	.1935
GAT62-3/16	3/16	.1875
GAT62-1/4	1/4	.2500
GAT62-13	13	.1850
GAT62-16	16	.1770

Our countersinks fit in all adjustable-stop or micro-stop type countersinking units. Each unit is precision ground to exacting tolerances and relieved to insure concentricity of countersink angle. These countersinks have a 1/4-28" shank size with a body diameter of 1/2".

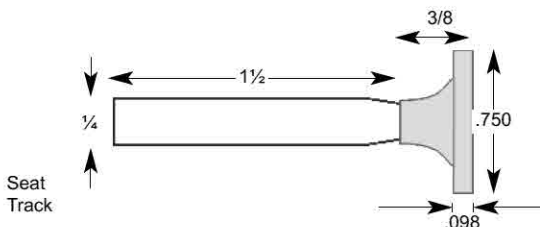
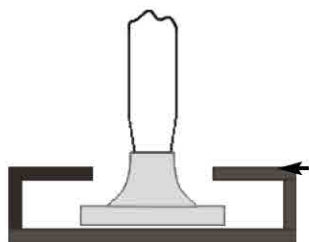
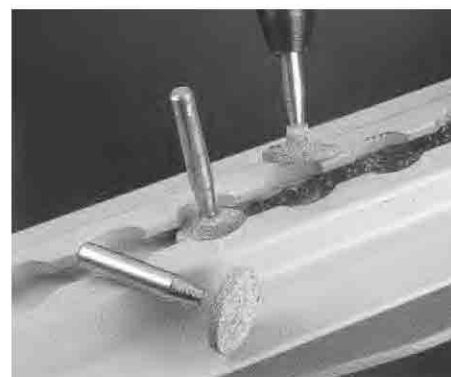


Seat Track Cleaners

Maintaining adjustable cockpit seats or passenger seating secured in notched tracks, requires removing dirt and grit that has become embedded in the tracks. Rex-cut products has developed a thin-profile mounted wheel specially designed to accomplish the job efficiently and safely.

The seat track cleaners are manufactured using layers of reinforced non-woven cotton fiber and abrasive grain which are bonded into discs. When mounted on a die grinder they are able to fit inside the seat track. Designed for cleaning all interior surfaces of the track without having to change discs, one disc will remove caked on sludge, dirt and grit while removing minor burrs and rough edges.

The seat cleaners are non-loading on aluminum and leave superior surface finishes. Available in 54 and 80 grits in aluminum oxide grain mounted on a 1/4 X 1-1/2 shank.



p/n REXA54-GFX (coarse) or REXA80-GFX (medium) Sold 10 ea. per Size per Package

The bottom, sides and top of the abrasive tool can be used to clean all interior surfaces of the seat track

Standard Micro Stop Countersink

Standard Adjustable Countersink with all Bronze Bearing Construction, .001 Increment Depth Adjustment and Positive Adjustment Lock.

- *9/32" Shaft Travel
- *5/8" Cutter Capacity
- *1/4" Diameter Chucking Shank
- *1/4-28 Threaded Shaft with Polished Foot
- *Rated at 3,000 RPM



p/n GAT359

Also Available
GAT359-1K 5 pc. Kit
 1 EA. GAT359
 1 EA. GAT62-10,21,30 & 40

"No-Mar" Micro Stop Countersink

"No-Mar" Countersink Cage same design as our GAT359 but with a plastic no-mar foot piece to reduce scratches and tool marks. excellent for use on those highly cosmetic areas that cannot have any blemishes. All Bronze Construction, .001 Increment Depth Adjustment and Positive Adjustment Lock.

- *9/32" Shaft Travel
- *9/16 Cutter Capacity
- *1/4" Diameter Chucking Shank
- *1/4-28 Threaded Shaft with Polished Foot
- *Rated at 3,000 RPM
- *Replaceable Nylon Threaded No-Mar Foot Piece



p/n GAT360

Replacement Nylon Foot Piece:

p/n GAT90-018

Extended Footpiece Countersink

Designed to give you extra reach when countersinking, especially useful when doing aircraft skin work with draw clecos in your way. Bronze Construction, .001 Increment Depth Adjustment and Positive Adjustment Lock.

- *6-1/4" long
- *5/8" Cutter Capacity
- *1/4" Diameter Chucking Shank
- *1/4-28 Threaded Shaft with Polished Foot
- *Heavy Duty Twin Radial Ball Bearing Construction



p/n GAT362

Highspeed Micro Stop Countersink

This Heavy-Duty/Highspeed model uses ball bearings for ultra- smooth operation. All Bronze Construction, .001 Increment Depth Adjustment and Positive Adjustment Lock.

- *9/32" Shaft Travel
- *5/8" Cutter Capacity
- *1/4" Diameter Chucking Shank
- *1/4-28 Threaded Shaft with Polished Foot
- *Rated at 10,000 RPM
- *Heavy Duty Twin Radial Ball Bearing Construction



p/n GAT363

Miniature Tight Space Countersink

For use with a threaded drill motor in extremely tight areas. Only 1.65" long. All Bronze Construction with .001 Increment Depth Adjustment and Positive Adjustment Lock.

- *3/32" Shaft Travel
- *1/4-28 Threaded Shaft
- *1/4-28 Female Threaded Spindle
- *9/16" Cutter Capacity
- *Rated at 3,000 RPM



p/n GAT367

"Seat Track" Countersink

Smaller diameter countersink designed to fit inside most seat track cutouts. All Bronze Construction with .001 Increment Depth Adjustment and Positive Adjustment Lock.



- *1/4" Diameter Chucking Shank
- *9/32" Shaft Travel
- *1/2" Cutter Capacity
- *1/4-28 Female Threaded Spindle
- *Rated at 3,000 RPM

p/n GAT368

Jumbo Micro Stop Countersink

Jumbo model used for large fastener hole countersinking. All Bronze Construction, .001 Increment Depth Adjustment and Positive Adjustment Lock.



- *3/8" Diameter Chucking Shank
- *1/4" Shaft Travel
- *1-1/4" Cutter Capacity
- *3/8-24 Female Threaded Spindle
- *Full Ball Bearing Construction
- *Rated at 10,000 RPM

p/n GAT369

Stainless Steel Hand Rivet Squeezers Stainless Steel Rivet Yokes



Hand rivet squeezers are used for setting rivets around the edges of parts and for dimpling rib & spar flanges. By squeezing the handles together by hand, force is applied through leverage to an adjustable set holder that squeezes dies together to set a rivet or dimple. Hand squeezing 1/8" & larger rivets takes considerably more effort than dimpling, and rivets larger than 1/8" are normally set with a rivet gun. In most instances, a 1.5" or 3" yoke squeezer is all you need since most rib & spar flanges are less than 1" wide. Light weight, all stainless steel forged & weld construction. Squeezer has removable/replaceable yokes. Replacement and extra yoke sizes for hand squeezers (shown below).

Rivet Squeezers Sizes

PART#	LENGTH
GAT401	1.5"
GAT402	3"

Replacement Yokes

PART#	LENGTH
GAT401-1.5	1.5"
GAT402-3	3"



Quick Change Pins

p/n GATQCPIN-34

Makes changing yokes quick & easy.

Rivet Squeezer-Dimpler Kits

Pro Rivet Squeezer-Dimpler Kit



Kit Contains:

- 1ea. GAT401
- 1ea. GAT402-3
- 1ea. GATKIT-RS
- 1ea. GATKIT-DD

p/n GATKIT-PRORS

Pro Deluxe Rivet Squeezer-Dimpler Kit



Kit Contains:

- 1ea. GAT401
- 1ea. GAT402
- 1ea. GATKIT-RS
- 1ea. GATKIT-DD

p/n GATKIT-PRODEL

Dimple Die Sets



Precision CNC machined from aircraft quality heat treatable stainless steel & heat treated. Working surfaces are polished to a satin finish & sharp edges radiused.

Sizes available for AN-426 flush rivets.

PART#	SIZE
GATDD332	3/32" RMET
GATDD18	1/8" RMET
GATDD532	5/32" RMET
GATDD316	3/16" RMET

Sizes available for AN-509 flush screws.

PART#	SIZE
GATDD6	#6 SCREW
GATDD8	#8 SCREW

Cupped Squeezer Sets



For AN-470 Universal Head rivets. Cups are polished and shanks are ground. Fits all standard hand and pneumatic squeezers.

PART#	LENGTH	CUP SIZE
GAT406-0	1/8"	1/8"
GAT406-1	1/4"	3/32"
GAT406-2	1/4"	1/8"
GAT406-3	1/4"	5/32"
GAT406-4	1/4"	3/16"
GAT407-1	3/8"	3/32"
GAT407-2	3/8"	1/8"
GAT407-3	3/8"	5/32"
GAT407-4	3/8"	3/16"

Flush Squeezer Sets



For AN-426 flush rivets. Faces polished and shanks are ground. Fits all standard hand and pneumatic squeezers.

PART#	LENGTH	DIAMETER
GAT408-1	1/8"	1/2"
GAT408-2	1/4"	1/2"
GAT408-3	3/8"	1/2"
GAT408-4	1/2"	1/2"
GAT408-5	5/8"	1/2"

12 Pc. Rivet Squeezer Kit

of our more popular sizes



One each:

- GAT406-1, 2, 3, 4
- GAT407-1, 2, 3, 4
- GAT408-1, 2, 3, 4

p/n GATKIT-RS

6 Pc. Dimple Die Kit



One each:

- GATDD6, GATDD8, GATDD332,
- GATDD18, GATDD532, GATDD316

p/n GATKIT-DD

Cam-loc Pliers



Hand operated forged steel, chrome plated. For use with stud series 2600, 2700, and 4002.

p/n GAT430

Seat Track Wear Gauge



Gauge used to inspect Cessna seat rail wear. This gauge is designed to measure the actual radius wear near the seat stop holes.

p/n SR-1

Screw Removal Tool

(Old Man Knocker/Remover)



Useful in removing screws that are corroded or have stripped heads. 401 Parker taper shank for use in rivet gun. 3/8" drive bit. Use standard Phillips or Slotted insert bits. Rivet gun required.

p/n GATSK001

Chip Chasers

Chip chasers are made of high grade spring steel with plastic handles. Used for removing chips and burrs that accumulate between sheets during the drilling operation.



PART#	Size	Reach
GAT129	SHORT	2 3/8"
GAT129-L	LONG	5 7/8"

Burnishing Tool

Designed to remove surface blemishes in materials. Heat-treated blade is hard chrome plated and polished to mirror finish. Large plastic safety handle insures comfortable grip.



p/n GAT136

Edge Breakers

(Dove Tail)



Edge deburr tool with safety guard.

p/n GAT435

Hand Seamer



Wide, deep jaws machined for smooth parallel fit.

*Forms precise folds and seams

*1" deep x 3-1/2" wide throat

p/n GAT436

Flap Track Wear Gauge

McFarlane Aviation Products has developed a new tool to determine Flap track wear. McFarlane developed this tool to positively indicate when the flap track is worn beyond service limits.

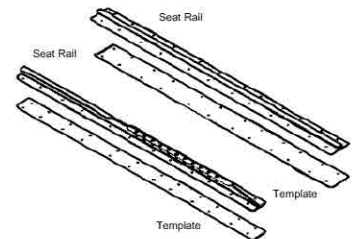


Use to determine if a Cessna flap track is worn beyond service limits. Flap Track Wear Gauge Instructions: Run the gauge plug along each slot in each flap track while verifying that the gauge will not enter the slot. Reposition the flaps as required to gauge the entire length of each slot. If the gauge enters a slot at any point the track is worn beyond service limits. The diameter of the gauge is .6035 inches (diameter tolerance +.000/-.002). Periodically verify the gauge diameter by measuring the gauge diameter with a calibrated micrometer.



p/n 950

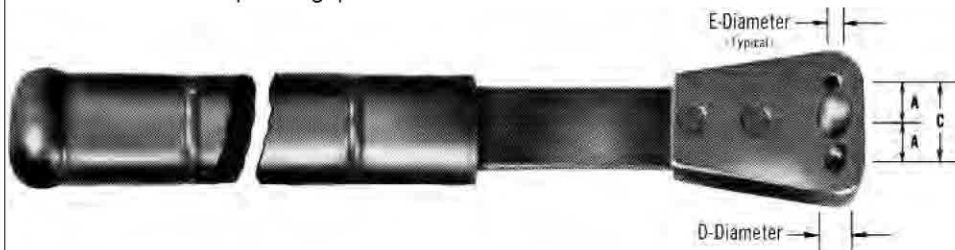
Seat Rail Templates



Templates are used to transfer holes from the old seat rail to the new seat rail when installing new seat rails. McFarlane Aviation discovered that seat rail attachment hole patterns were not consistent from aircraft to aircraft. For this reason, all McFarlane seat rails have only a few smaller pilot attachment holes installed at the factory. Templates are used to achieve a precise fit of the new seat rail. For seat rail series: MC0511240, MC511243, and MC2144002 use p/n SRTEM2. All other seat rail series use p/n SRTEM1.

Two Lug Nutplate Drill Jig

These drill jigs are designed to drill rivet holes for anchor nuts. Critical dimensions are held to close tolerances to allow easy installation of anchor nuts. Jigs have spring steel flexible handles with plastic grips.



PART#	SIZE	A	C	D	E	APPLICATION
GAT102	8-32	.234	.468	.165	.098	NAS697A08
GAT103	10-32	.250	.500	.190	.098	NAS697A3
GAT201	6-32	.344	.688	.139	.098	AN366-F632A
GAT202	8-32	.344	.688	.164	.098	AN366-F832A
GAT203	10-32	.344	.688	.191	.098	AN366-F1032A
GAT303	8-32 10-32	.344	.688	.281	.098	NAS686A08 FLOATING NAS686A3 FLOATING

One Lug Nutplate Drill Jig

Jigs are of the same type and quality as other jigs shown except this design is for drilling rivet holes for the one lug anchor nuts.



PART#	SIZE	A	C	D	E	APPLICATION
GAT105	8-32	.234	.468	.165	.098	NAS696A08
GAT106	10-32	.250	.500	.190	.098	NAS696A3
GAT205	8-32	.344	.312	.164	.098	MS21080-08
GAT206	10-32	.344	.312	.191	.098	MS21080-3

Corner Nutplate Drill Jig

These drill jigs are designed to accurately drill rivet holes for corner anchor nuts. Critical dimensions are held to close tolerances to allow easy installation of anchor nuts. Jigs have spring steel handles with plastic grips.



PART#	SIZE	A	B	D	E	APPLICATION
GAT108	8-32	.234	.331	.1655	.098	NAS698A08
GAT109	10-32	.250	.354	.1905	.098	NAS698A3
GAT208	8-32	.344	.486	.164	.098	MS21081-08
GAT209	10-32	.344	.486	.191	.098	MS21081-3

Handi-Hex Drivers



Designed for use with Hi-Lok® style hand ratchets when installing non-interference fit fasteners. Comfortable screwdriver style handle. Allen key is replaceable and is held in place with the use of an allen set screw.

PART#	ALLEN SIZE
GATHK564	5/64"
GATHK332	3/32"
GATHK18	1/8"
GATKIT-HK	3pc. KIT

Ford Wrenches



General purpose wrenches with smooth jaws - perfect for aircraft fittings. Forged from special analysis tool steel and chrome plated. Choose from two different sizes

- 9" Ford Wrench
p/n GAT502
- 11" Ford Wrench
p/n GAT503

Skin Wedge



Sheet metal mechanics shouldn't be without one! We searched hard to find this one. 4130 steel, heat-treated to allow for perfect flexibility within the tool. Use this tool to separate 2 pieces of material.

p/n GATSW001

1-15 TEMPORARY FASTENERS AND INSTALLATION TOOLS

Cleco Pliers

Made from forged steel and nickel plated to resist wear and abuse. Plastic comfort grip. Pliers are compatible with all spring-loaded types of sheet metal clamps. Installs CLEKO-LOK C-CC-CHD fasteners. Installs Monogram M, MM, ML, MEL & MHD fasteners. Installs Kwik-Lok K-KK, KL, KEL & KHD fasteners.



p/n T931

Cleco Fasteners

Heavy duty series for thicker applications, plier operated.

Use T-931, GAT902 & GAT903 installation tool.



PART#	DRILL SIZE	RIVET SIZE	COLOUR CODE
T932	#40	3/32	Cadmium
T933	#30	1/8	Copper
T934	#20	5/32	Black
T935	#10	3/16	Brass

Pneumatic Fasteners

These Pneumatic Temporary Fastener Tools, have been developed to eliminate the constant, repetitive motion associated with the common cleco pliers. They also add speed and efficiency to the installation and removal of cleco fasteners. These tools are ideal for kit builders, mechanics and aircraft production assemblers. For use on button type and side grip temporary fasteners. Quiet operation.

In-line Model



- *5-1/2" overall length
- *1/4" air inlet
- *Lever throttle
- *360° swivel mount
- *Straight handle
- *Comes with polyurethane lead hose

p/n GAT903

Pistol Grip



- *Feather trigger for comfortable and easy triggering
- *Comes with built-in muffler
- *1/4" air inlet

p/n GAT902

Cleco Installation Driver



Designed to install hex nut and wing nut draw clecos fast and economically. Can be used with any power tool with at least a 1/4" chuck or a 1/4" hex female spindle.

p/n GATCLECO1

ZINC TENSION CLAMP



PART#	DESCRIPTION	SIZE
GATTC200	TENSION CLAMP	2"

Spring tension clamps come with increased gap and reach. Constant 70 lbs. clamp force provided. Plier-operated and Spring-loaded. Use T-931, GAT902 & GAT903 installation tool.

STEEL TENSION CLAMPS



PART#	DESCRIPTION	SIZE
GATTC204	DELUXETENSION CLAMP	2"
GATTC206	DELUXETENSION CLAMP	3"

Spring tension clamps come with increased gap and reach. All-steel construction allows use in elevated temperatures. Constant 70 lbs. clamp force provided. Plier-operated and Spring-loaded. Use T-931, GAT902 & GAT903 installation tool.

SIDE GRIP CLAMPS



PART#	REACH SIZE
126SG	1"X0-3/4"
123SG	1"X0-1/2"

Side-Grip clamps are designed to clamp at the edge of the work area. Ideal for holding workpieces of all types, particularly during bonding, sealing or gluing operations. Improved design for longer life. Plier-operated. Spring loaded. Constant clamping force. Color-coded for easy identification. Use T-931, GAT902 & GAT903 installation tool.



Shur-Brite®
Surface Conditioning Discs

Surface conditioning discs have a tough reinforced non-woven nylon web backing. It provides a longer cutting life and unequalled resistance to shedding and loading.

QUICK CHANGE TYPE "R" DISC		
PART#	SIZE	GRAIN
10553	2"	Coarse
10554	2"	Medium
10555	2"	Fine
10556	3"	Coarse
10557	3"	Medium
10558	3"	Fine

Quick Change Disc Holders

Quick change disc holder system features a "male" screw on back side of the abrasive disc which attaches to the "female" quick change disc holder. Compatible with 3M™ Roloc abrasive discs and holders

PART#	DIAMETER	THREAD
GAT110	5/16	1/4-28
GAT111	3/8	1/4-28
GAT112	1/2	1/4-28

Shur-Kut®
Abrasive Discs



Used for general purpose grinding, deburring, edge breaking and surface leveling.

QUICK CHANGE TYPE "R" DISC		
PART#	SIZE	GRIT
11214	2"	36
11217	2"	60
11218	2"	80
11220	2"	120
11222	2"	180
11223	2"	240
11224	2"	320
11226	3"	36
11229	3"	60
11230	3"	80
11232	3"	120

Shur-Brite® Hand Pads

Hand pads are cut from industrial quality non-woven nylon impregnated throughout with abrasive grain and bonded with heavy duty resins. Their open structure prevents loading and they can be used wet or dry. Designed for general cleanup, light deburring, blending and stain finishing on all types of ferrous and non-ferrous metals.



STANDARD PACKAGING				
PART#	TYPE	STD. PKG.	CASE QTY.	COLOR
10473	General Purpose A/O	20	60	Maroon
10475	Ultra Fine S/C	20	60	Gray

BULK PACKAGING			
PART#	TYPE	STD. PKG.	COLOR
34569	General Purpose A/O	60	Maroon

Combo Disc Kit



Each kit contains 35 of the most popular Shur-Kut quick change discs & Shur-Brite surface conditioning discs.

CONTENTS

5ea. Surface conditioning discs in coarse, medium and very fine. Five discs ea. A/O 36, 60,80, and 120 grit. One medium Density holder with 1/4" shank.

PART#	DESCRIPTION
32056	2" Type "R"

X-OUT®
Damaged Screw Remover



The reusable X-Out™ is designed to be used in a variable speed hand drill set for reverse. It can be chucked directly into the drill or held using a 1/4 inch hex bit holder. If a hand drill is not handy, X-Out™ can be used in a hex bit screwdriver. In both applications you push down and turn. It is as simple and quick as a normal screwdriver. X-Out™ removes all screws that have an indented drive fit. This includes fasteners such as Phillips, Slotted, Hex, Torx, Tri-Wing, Pozidriv, Fearson, most Tamper Resistant screws and many more.

PART#	SIZE	REMOVES
2019	P1,P2,P3	Set of 3 removes No. 6-14 screws

DRILL-OUT® Power Extractors

The Drill-Out® is a drill bit and extractor in one and is engineered with a Winslow self-centering tip. Each tool is specially designed to drill into rough surfaces that are caused when bolts or screws break. The Drill-Out® tip not only gives you complete control-it allows you to obtain a perfectly centered hole without the tip walking or wandering. The most unique feature of the Drill-Out®'s tip is its left hand cutting edge. This feature helps to loosen and sometimes even turn the bolt out during drilling. That's it! Fast, easy and dependable!



Features:

- * Drill bit and extractor in one
- * Short, tough drill body--allows flexibility & visibility
- * Shortened length helps you control the tip with ease, while adding freedom and flexibility in close quarters
- * Requires a very shallow drill depth 1/4in - 1/2in
- * Shallow drill depth means less time is spent on drilling and there is less chance of drilling off center
- * Drills up to and including grade 8 bolts or 10.9 class
- * Warms the bolt up - easing the extraction process
- * Uses the power of the drill to extract the bolt

DRILL-OUT® Power Extractors

Power Extractor set includes: p/n **P401S** 4 pc. set
1/4", 5/16", 3/8" and 1/2".

DRILL-OUT® Micro Power Extractors

Micro Power Extractor set includes: p/n **P450S** 4 pc. set
#5 or #6, #8, #10 or #12 and 1/4".

DRILL-OUT® Master Set

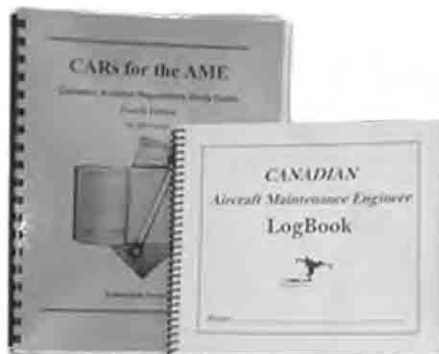
Master set includes: p/n **P701S** 7 pc. set
#5 or #6, #8, #10 or #12, 1/4", 5/16", 3/8" and 1/2".

Miscellaneous Books

CAR'S for the AME Canadian Aviation Regulations Study Guide

A training guide designed for the AME. With this manual, an attempt has been made to simplify CARs for AME's by condensing and summarizing the regulatory information. A section on reading CARs is included to provide the AME with the skills he or she will need to find specific regulations in CARs. The manual follows the CARs format to assist the reader in learning where specific regulations and subjects are located in CARs. Four sample tests are provided to assist apprentice AME's in preparing for the Transport Canada Exams. CARs provisions reproduced verbatim are preceded by the CARs number for identification.

p/n **CARS-BOOK**

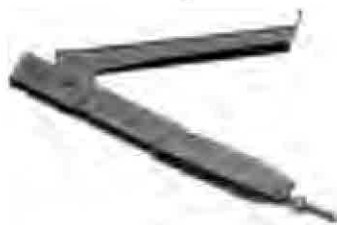


Canadian Aviation A.M.E Logbook

A logbook designed to withstand heavy toolbox use. Provides more space for engineers to enter the required information, and has clear instructions on its use.

p/n **ENGLB-1**

Nibbling Tool



The original nibbling tool! Hand operated for cutting up to .062" aluminum. Can cut straight or curved. Great for cutting holes, trimming and matching. A must for every sheet metal mechanic.

p/n ADEL001

Automatic Safety Wire Pliers



p/n PD201

- * 9" Overall length
- * Spring return
- * 3-in-one: plier, twister & cutter
- * Use on wire .060 or less



p/n PD200

- * 6" Overall length
- * Spring return
- * 3-in-one: plier, twister & cutter
- * Use on wire .041 or less

Brake Rivet Tool Kit



p/n RA825

Stainless Steel Safety Lock Wire



1 LB. INTERNAL WOUND DISPENSING SPOOLS

PART#	DESCRIPTION
MS20995C20	.020 Lockwire
MS20995C25	.025 Lockwire
MS20995C32	.032 Lockwire
MS20995C41	.041 Lockwire

Fluting Pliers



Polished machined jaws, forged steel construction and cushion grip handles. Ideal for precise flutes in sheet metal.

p/n GAT508

Air Operated Vacuum



Operates off standard shop air. All aluminum body. Venturi type design. Has 12" flexible hose for reaching corners & tight spots. Trigger can lock into place for constant operation. 1/4" air inlet.

p/n GAT425

Speed Wrench



3/8" Useful for quickly tightening and loosening a nut or bolt, particularly where other types of wrenches will not reach.

p/n GATSH001

Multi-Purpose Brushes



Wooden Handle Stainless Steel Brush:
1/2" stainless steel bristles, ideal multi-application.

Wooden Handle Brass Brush:
1/2" Brass bristles, ideal multi-application.

1/2" Stainless Steel Brush p/n T335
1/2" Brass Brush p/n T338



Applicator Brush:
1" wide, natural bristles

Acid Brush:
3/8" wide, tin-plated tubular handle. Double crimped to hold the natural bristles.

3/8" Acid Brush p/n T332
1" Applicator Brush p/n DB1

K4100 Desktop Label Printer



K4100 Series Features:

Supply is easy loading.
 Print graphics, logos, bar codes, and data records.
 Use as stand alone or connected to PC.
 Compatible with Win95/98/2000/XP.
 Comes with Kroy Label Designer Software(KLDS) and drivers.
 Uses continuous and die cut media.
 Built in cutter and feed control.
 Audible key clicks.
 Flash upgradeable firmware.
 Real time clock with time/date stamping ability.
 Alpha/Numeric sequencing (A-Z, 1-999).

K4100 Accessories

2558800 Serial Interface Cable
 2559000 Thermal Head Cleaning Kit 25PK
 2562900 K4100 Carrying Case
 2563000 Universal (100-240V,50-60HZ) AC Power

K4100 Series Printing Specifications:

Thermal transfer and direct thermal printing
 Auto sizing text features.
 Built in cutter and feed control.
 Two line x 16 Character LCD display.
 6-72 Point w/ downloadable and scaleable fonts.
 10 resident bar codes including Code 39 and 128.
 On Board memory to store formats and fonts.
 Print speeds vary by content up to 2" per second
 300 dots per inch (12 dots per mm)
 Maximum print width: .97" (24.7mm)
 Maximum label width: 1" (25.4mm)
 Maximum label length: 20" (508mm)

K4100 Supplies

Polyester Industrial UV Labeling Supply

2.0 mil pressure sensitive polyester and thermal transfer resin ribbon in a cartridge. Up to 7 year exterior life; Chemical, water, UV light resistant. Operating temperature range of -40° to 320°F (-40° to 160°C). High performance label stock ideal for smooth, flat surfaces.

.375in Cartridges

2560101 Black on Clear
 2560116 Black on White
 2560143 Black on Yellow

.5in Cartridges

2487901 Black on Clear
 2487902 White on Clear
 2487916 Black on White
 2487920 White on Black
 2487943 Black on Yellow

.8in Cartridges

2438701 Black on Clear
 2438716 Black on White
 2438743 Black on Yellow

1.0in Cartridges

2438601 Black on Clear
 2438602 White on Clear
 2438616 Black on White
 2438617 Blue on White
 2438618 Red on White
 2438619 Green on White
 2438620 White on Black
 2438621 Black on Silver
 2438626 Black on Gold
 2438631 Black on Red
 2438632 White on Blue
 2438635 Black on Blue
 2438636 White on Red
 2438639 Black on Green
 2438640 White on Green
 2438643 Black on Yellow

K4100 Supplies cont...

Self-Laminating White Wire Wrap Supply

4.0 mil translucent vinyl with a white printable area and thermal transfer resin ribbon in a cartridge. Excellent to professionally mark wires and cables. Laminated tail to protect text. Chemical, water, UV light resistant. Aggressive permanent adhesive. Operating temperature range of -40° to 176°F (-40° to 80°C).

2556701 1.0in x 4.0in (83 cnt) Fits wire 4-6
 2556702 1.0in x 1.25in (160 cnt) Fits wire 8-12
 2556703 1.0in x 2.5in (110 cnt) Fits wire 6-10
 2556704 1.0in x .75in (250 cnt) Fits wire 10-16
 2556705 1.0in x 6.0in (62 cnt) Fits wire 0-4
 2556707 1.0in x 1.0in (227 cnt) Fits wire 10-12
 2556708 1.0in x .5in (275 cnt) Fits wire 16-22

Polyolefin Shrink Tube

Flexible polyolefin tubing and thermal transfer resin ribbon in a cartridge. Shrink ratio 3:1. Operating temperature range of -67° to 275°F (-55° to 135°C) with up to 347°F for short duration and low recovery temperature of 194°F. All tubing is flame resistant; Chemical and water resistant. Meets Military Specification MIL-DTL-23053/5C Class 1 and 3, UL-224 VW-1 rating. Ideal for wire marking an electrical insulation of light wire harness assemblies.

2470001 .125in Black on White
 2470002 .125in Black on Yellow
 2470011 .188in Black on White
 2470012 .188in Black on Yellow
 2470021 .25in Black on White
 2470022 .25in Black on Yellow
 2470031 .375in Black on White
 2470032 .375in Black on Yellow
 2470041 .5in Black on White
 2470042 .5in Black on Yellow

244RS Supplies

General Purpose Labeling

2227501 Black on Clear
 2227502 White on Clear
 2227503 Blue on Clear
 2227504 Red on Clear
 2227516 Black on White
 2227517 Blue on White
 2227518 Red on White
 2227519 Green on White
 2227520 White on Black
 2227543 Black on Yellow

Industrial Labeling Cartridge

2357501 Black on Clear
 2357502 White on Clear
 2357516 Black on White
 2357520 White on Black
 2357535 Black on Red
 2357536 White on Red
 2357543 Black on Yellow

TM650 Supplies

Shrink Tube Supply

2404201 .125in Black on White
 2404202 .125in Black on Yellow
 2404210 .188in Black on White
 2404211 .188in Black on Yellow
 2404220 .25in Black on White
 2404221 .25in Black on Yellow

Rubber Grommet Kit



- * 120 pieces
- * MS35489/AN931 Series
- * AN/MS Cross Reference
- * Spec MIL-G-3036
- * Black Synthetic Rubber
- * Most common sizes

p/n **AN931-1K**

Cotter Pin Kit



- * 1450 pieces
- * MS24665/AN380 Series
- * CAD Plated
- * From small to wheel retainer size
- * Most common sizes

p/n **AN380-10K**

Crush Gasket Kit



- * 144 pieces
- * AN900 Copper Series
- * AN901 Aluminum Series
- * Cross Reference to MS35769
- * Most common sizes

p/n **AN900-1K**

Lock Washer Kit



- * 2000 pieces
- * MS35333/AN936A Internal Style
- * MS35335/AN936B External Style
- * MS35338/AN935 Split Style
- * Most common sizes

p/n **LOCK-W-K-8**

Plain Washer Kit



- * 1810 pieces
- * AN960 Standard Series
- * AN970 Penny Style
- * Countersink Tinnerman Style
- * Nickel Finishing Style
- * Most common sizes

p/n **PLAIN-W-K-9**

Instrument Nut & Screw Kit



- * 232 pieces
- * MS24693BB Brass C/S Screws
- * MS35214 Brass Screws
- * NAS 487 Instrument Nuts
- * Most common sizes

p/n **INK-4**

**Nylon Insulated
Electrical Terminal
Kit**



- * 501 pieces
- * Pink 22-18 wire GA. Ring Terminals
- * Blue 16-14 wire GA. Ring Terminals
- * Yellow 12-10 wire GA. Ring Terminals
- * Pink & Blue Butt Splices
- * Pink & Blue Knife Connectors
- * Quality Crimping Pliers

p/n **G12391**

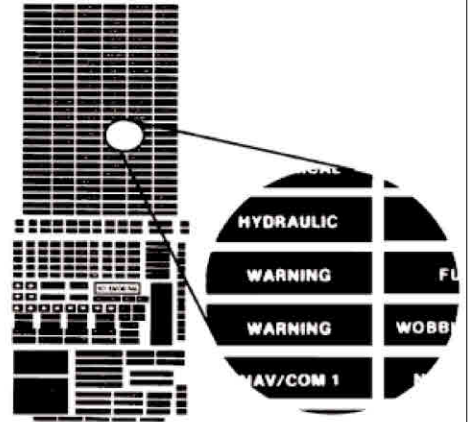
**Non-Insulated
Electrical Terminal
Kit**



- * 244 pieces
- * Non Insulated Ring Terminals
- * For 8 Gauge to 00 Gauge Wire
- * Pink & Blue Nylon Insulated Spade Connectors
- * Fits most common sizes

p/n **G12401**

**Instrument Panel
Placard Kit**



Over 330 pressure sensitive (stick-on) placards for all cockpit switches, circuit breakers, systems, amps., volts, arrows, blanks, numbers, etc. Most common are repeated several times. Covers all single and multi-engine systems. Just cut and press into place. 8' x 19 1/2" sheet

p/n **FL50** per kit EACH

Cap Plug Kits

Somebody finally packaged Caps & Plugs!

Now available in manageable quantities, this set contains a selection of pieces chosen by aviation professionals. Meeting all the demands of your shop floor, these sets come in a tough spill proof plastic bin that fits in most industrial drawers. Refill bags sold separately. Kits are available in a mechanic's set or our larger FBO set for shop use.



PART#	APPLICATION
SFP-1-4	1/4 OD
SFP-3-8	3/8 OD
SFP-7-16	7/16 OD
SFP-1-2	1/2 OD
SFP-9-16	9/16 OD
SFP-5-8	5/8 OD



PART#	APPLICATION
MFC-20	Fits 2 female flair
MFC-30	Fits 3 female flair
MFC-40	Fits 4 female flair
MFC-50	Fits 5 female flair
MFC-60	Fits 6 female flair
MFC-80	Fits 8 female flair



PART#	APPLICATION
FFC-3	3 hyd male flair
FFC-4	4 hyd male flair
FFC-5	5 hyd male flair
FFC-6	6 hyd male flair
FFC-8	8 hyd male flair
FFC-10	10 hyd male flair



PART#	APPLICATION
PT-1-8	1/8 pipe thread
PT-1-4	1/4 pipe thread
PT-3-8	3/8 pipe thread



PART#	APPLICATION
GC-47	.471D. (most common)

Mechanic's Kit Contains up to 25 of Each Style p/n **CAPKIT-1**

FBO Kit Contains 100 of Each Style p/n **CAPKIT-2**

Battery Minder® Aviation - Specific Maintenance Battery Charger - De-sulfator



VDC Electronics Aviation Specific 12-V and 24-Volt Maintenance Charger- De-Sulfator – Conditioners. Safe to use on all type and size Aviation Specific batteries, including both sealed and wet-cell constructions. The voltage settings and charge rates have been chosen, after conferring with leading aviation battery makers in the U.S. Both models include full-time pulsed de-sulfation circuitry designed to safely dissolve sulfation build-up on the battery's storage plates, restoring lost cranking power and extending life.

FEATURES:

- For all size and type 12-Volt and 24-Volt aviation batteries (or two 12-V in series = 24-V) including sealed AGM-maintenance-free and filler cap maintenance type
- Guaranteed never to over-charge, regardless of time or temperature (32°F – 125°F) with correct battery type setting and ABS-248 or 124 temperature sensors correctly installed on either battery terminal connection
- Safely charges 70% - 200% faster than conventional chargers
- Maintains from 1 - 6 batteries at a time (parallel connected)
- Automatically dissolves power-robbing sulfation using safe low voltage pulse technology (U.S. Patented)
- Microprocessor controlled pulsed output ensures 100% full charge
- Temperature compensation extends battery life by more than 200 Cycles (full charge-discharge cycles) with ABS-248 sensor
- Weather-proof enclosure
- Optional 12 or 24 Volt PowerPlug (fused) allows charger to be easily connected to battery via input 12 v or 24-v power receptacle
- Size/Weight: 5-1/2" L x 5-1/2" W x 2 1/4" H / 3.0 lbs.

p/n 12248-AA-S1 Battery minder® Aviation 12 volt charger

p/n 24041-AA-S1 Battery minder® Aviation 24 volt charger

p/n RTA15 Ring Terminal Assembly 15 amp

p/n ABS124 At The Battery Temperature Sensor 24-36-48 volt

p/n ABS248 At The Battery Temperature Sensor 12 volt

Alpha C-25 Charger

Dual isolated output charges one or two Lead Acid and Nickel Cadmium Batteries simultaneously. Digital ammeter and voltmeter with battery select switch. Preset time limit for charge with digital electronic display. Low ripple charge. 12/24V constant current or constant potential (voltage) charger. Charge at 0-25A, dual isolated output, Charge at 0 to 25 amps. 33 lbs.



p/n 4142

BC-3000 Cordless Battery Capacity Tester



Portable, lightweight, over 99% accurate, for 12 or 24 volt batteries of all types. Powered off the battery it is testing. No additional power source is required. The tester is programmable for battery capacities from 10-59 ah. Ideal for field or shop work. Measures just 9" x 8" x 8" with a 48" cable. For 12 volt and 24 volt batteries of all types. No additional power source is required. 10 lbs.

p/n 4161

Activator Charger



Recommended for Concorde batteries as an appropriate charger for lead acid batteries. Pulse charges a fully discharged battery for fast recovery indicated by an amber LED. As battery voltage rises, charger automatically switches to constant current charge at 2 amps. When the battery voltage reaches a preset limit, charger automatically switches to constant potential mode & the green LED light indicates battery is ready for service. Fully automatic operation. Charges battery and automatically switches to float mode.

p/n 4105

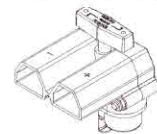
CA1550 Charger/Analyzer



Intelligent design and simple operation. Adjustable constant current discharge from 0 to 50 amperes. Adjustable cutoff voltage. Green light illuminates when battery passes preset test. Red light illuminates when battery fails preset test. Digital meters record end of discharge readings for elapsed time, ampere rate, and end-point voltage. Audible signal at the end of test. Constant potential charge. Constant current charge. Digital ammeter, voltmeter, timer, and ampere per hour meter. 53 lbs.

p/n 4159

Quick Disconnect Plug



The Quick Disconnect Plug is a two wire connector designed to mate with all MS 3509 style. This connector includes self-aligning, compliant sockets that result in low insertion forces and minimal wear on both the shaft and sockets. The body is molded from a chemically resistant and heat resistant plastic. Embossed polarity markings and a molded keyway on the body ensure that correct polarity is achieved with the mating receptacle.

p/n 4004

Aircraft Battery Hydrometer



p/n FR-1

Crimping/Cutting Tool



Hand operated multi-purpose tool can be used for crimping terminals, splices, nylon connectors also used for stripping/cutting wires.

p/n ABC-500

Cannon Plug Pliers



Hand operated forged steel, chrome plated.

p/n GAT438

Replaceable jaw liners for above.

p/n GAT438-2

Vacuum Pump Wrench



Provides superior access to the vacuum flange nuts compared to other tools. This new installation tool is manufactured from exceptional quality hardened steel coated with corrosion resistant nickel plating

p/n RA716

Compression Test Extender



Makes compression testing easy!

Wrench-free compression test extender allows for exhaust system and baffling clearance. Quality, welded construction, o-ring seal.



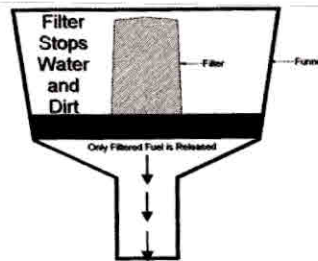
p/n CT1

Mr. Funnel

Fuel Filter Funnel Stops Water & Dirt

Mr. Funnel is a heavy-duty, fast flow filter in a funnel that separates damaging free water and solids from fuel.

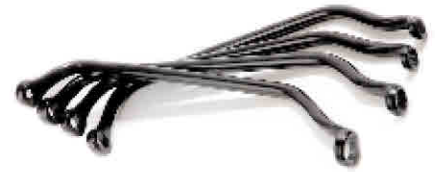
- *Teflon Coated Stainless Steel Filter
- *Self-Cleaning Lifetime Filter
- *Tested & Proven in Rugged Arctic Environment
- *Safe Non-Spark Plastic
- *Fast Flow Rates At 5 Gallons Per Minute



Works with All Aviation Fuels, Gasoline, Diesel, & Kerosene

p/n F8C

Cylinder Base Nut Wrenches



PART#	Size
GATCBW12	1/2"
GATCBW916	9/16"
GATCBW58	5/8"
GATCBW34	3/4"
GATKIT-CBW	SET OF 4

Designed with a 1/2" square drive, these rugged hex head cylinder base wrenches are made to last. The hex heads are extra thin for easy access over the cylinder bolts. They are available individually or as a complete 4-piece set. Engine type and required size wrenches are in chart below. For continental engines.12 point hex wrench end. Made from alloy steel forgings, heat-treated for maximum strength and toughness.

ENGINE TYPE	WRENCH
A40, A50, A75, A80	1/2" - 9/16"
O200, C75, C85, C90	1/2" - 9/16"
O300, C125, C145	1/2" - 9/16"



PART#	WRENCH
GATCBL12	1/2"
GATCBL38	3/8"
GATKIT-CBL	set of 2

For Lycoming engines (narrow deck).For socket type nuts (internal wrenching) Standard 1/2" square female drive end. Made from alloy steel forgings, heat-treated for maximum toughness.

Hose Mandrels



Used for assembly of Aeroquip and Stratoflex hose and fittings. These quality tools are CNC machined from carbon steel, heat - treated RC 52-56 and bright zinc plated for long life. Fits all straight fittings in Stratoflex 111 series, common to most hydraulic, pneumatic, coolant, fuel and oil systems specified in MS33620 for aircraft applications. Also works for Aeroquip stainless braided performance hose and fittings. Available individually in sizes #3 through #12 or in a kit of all 7 sizes in a convenient storage box.



PART#	HOLE SIZE
GAT-HM3	#3
GAT-HM4	#4
GAT-HM5	#5
GAT-HM6	#6
GAT-HM8	#8
GAT-HM10	#10
GAT-HM12	#12
GATKIT-HM1	7pc. Kit #3-#12

CABLE TOOLS

Steel Cable Cutters



PART#	MAX. CAPACITY
GATC7	5/32 STEEL CABLE
GATC9	1/4 STEEL CABLE

Turnbuckle Wrench Tool



p/n GAT515

Turnbuckle Cable Anchor Tool



p/n GAT516

Hand Swager for Copper Oval Sleeves



PART#	RANGE
GAT1-SC	1/16 - 3/16

2 Pc Turnbuckle Tool Kit

Allows free adjustment of turnbuckles and makes turnbuckle adjustment a two-handed operation, instead of three handed. Works on all sizes of aircraft cables and turnbuckles.

Kit Includes:

- 1ea. Turnbuckle Wrench Tool p/n GAT515
 - 1ea. Turnbuckle Cable Tool p/n GAT516
- p/n GATKIT-TBK

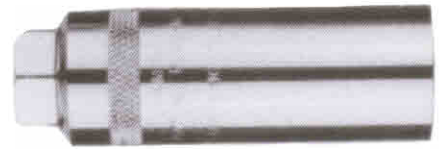
91893 Abrasive Compound

This product replaces #533 abrasive in all Champion spark plug cleaner units. Cleaners formerly using the #533 abrasive will require two bags of 91893 to fully charge the unit. The chart below should be followed when replacing abrasive:

1. Use two bags of 91893 abrasive to fully charge Champion 2400, 800H, 800E, and 700 cleaners.
2. Use one bag of 91893 to fully charge the CT475AV cleaner/tester. p/n **91893**

2612 Spark Plug Thread Lubricant

A high-temperature, graphited lubricant for application to spark plug installation threads to prevent galling and seizure. Sturdy plastic 4 fl. oz. bottle with brush attached to cap. p/n **2612**

CT-907 Magnetic Spark Plug Socket

A companion tool to Champion Plug-Master and other 1/2in./0.95cm square drive wrench handles.

Especially designed for shielded aviation spark plugs. Built-in permanent Alnico magnet holds plugs firmly practically eliminates dropped plugs.

Length: 3 1/2in./8.9 cm - chrome finish; 3/8in./0.95cm - square drive; 7/8in./2.2cm - deep hex. Weight 8 1/2 oz./241g. Packed individually. p/n **CT-907**

CT-450 Retractable Gap Gauge

High impact red plastic case contains 4 sets of accurate retractable go and no go wire gauges:

Two sets: .015-.019 (.016 Nom.)/ 0.40-0.50mm

Two sets: .018-.022 (.019 Nom.)/ 0.45-0.55mm

Size: 3 1/2 in./8.9cm long; Weight 1 1/4 oz./35g

Replacement package of 4 wire gauge sets complete as described above.

Retractable Gap Gauge p/n **CT-450**
Replacement Wire Sets p/n **CT-450-WG**

**Heavy Duty Oil Filter Can Cutter**

The new improved CT923 cutter allows for oil filters to be cut in either direction. This is a complete tool with no parts or adapters to change. It is very easy to use and will provide a simple effective means of cutting spin-on oil filters. The cutter blade in the CT923 is the same as the blade that is used in the old CT470 oil filter can cutter (CT923-4). Replacement blades available.

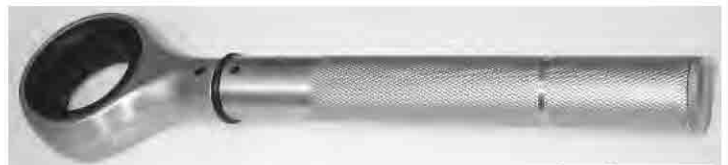
Replacement Blades p/n **CT923-4**



p/n **CT923**

Oil Filter Torque Wrench

Quickly and accurately installs oil filters. No need for additional adapters or wrenches. Fits in tight spaces. Wrench is designed to properly torque Spin-on type Oil Filters to 17ft.lbs. in accordance with manufacturer's specs.



p/n **CT921**

Float Finishing Products



FLOAT SEALER FS2005

1 U.S. Gallon - 3.79 liters

Elastic fluid consistency product formulated to seal pin holes around rivets and seams in floats.

DIRECTIONS - Pour a suitable quantity in each float compartment and slop liquid around compartment interior allowing sealer adequate time to flow into seams and voids. Rotate float if necessary.

FLOAT LAQUER

1 U.S. Gallon - 3.79 liters

Silver aluminum laquer designed to be sprayed on aircraft floats. Thin with Solvent 801 Laquer Thinner.

Randolph X-1567 Wing Walk Compound

Wing Walk Compound is a special grit mixed into a tough enamel material. Used to form non-slip surfaces on airplane wing walks. Apply with a coarse brush directly over regular finish after thoroughly cleaning the surface, and breaking the glaze if the surface is old. Thin with toluene as required. Conforms to MIL-W-5044. Available in either black or gray.

Part No.	Description
X-1567B-QT	Black U.S. Quart
X-1567B-GAL	Black U.S. Gallon
X-1567G-QT	Gray U.S. Quart
X-1567G-GAL	Gray U.S. Gallon

Randolph Acid-Proof

This specialty product from Randolph Products is used as a spray on the bottom of aluminum floats on amphibious aircraft to protect them from marine growth. It is also an excellent product for use in battery compartments. Manufactured to Military Spec. TT-L-54.

Part No.	Description
#344 ACID PROOF	Black U.S. Quart
#344 ACID PROOF	Black U.S. Gallon

Float Pumps



Pontoon Pumps
For pumping out Airplane Pontoons (Floats) -
For use with EDO or Wipaire Floats
Two convenient sizes.

Regular Models

Stock Number	Diameter	Length	Volume
p/n T800	15"	Float Pump	14 oz./stroke
p/n T801	24"	Float Pump	22 oz./stroke

To add a float jacket, which prevents the pump from sinking if inadvertently dropped into the water, add -FJ to the stock number.

(ie: T800-FJ)

Model shown on left is T800-FJ

Model shown on right is T801



Float Jacket Models

Stock Number	Diameter	Length	Volume
p/n T800-FJ	15"	Float Pump	14 oz./stroke
p/n T801-FJ	24"	Float Pump	22 oz./stroke

Float Pumpout Cup



p/n **GPN108**

Float Ball



1 3/4" Diameter

p/n **GPN116**

Heads Up Carbon Monoxide Detectors



Thousands of people are killed or injured from exposure to carbon monoxide gas each year. Protect yourself and your family with a Heads Up! detector. They detect the presence of deadly carbon monoxide gas. The circle turns gray or black depending on the concentration of CO, and returns to normal when exposed to fresh air again. Instructions included. Adhesive-backed, mounts anywhere and perfect for home, car, garage, RV, boats, airplanes and workplace.

p/n **HU-P33** EACH

AIR SICKNESS BAGS



**Paper Motion Sickness Bags
Foldable Wire Tie Seal**

Part No. - 300999

Sold- 1000 Bags Per Carton.

Fuel Tester

Clear plastic cup with rod attached for opening all F391 drain valves. Cup catches gas for octane color check, and water check. A mandatory item.

p/n F391

Fuel Tester & Screwdriver

Transparent vial for octane color check and check for water. Open end acts as wrench to open Curtis and Saf-Air drain valves. Also has fitting to open F391 drain valves. Flat blade & Phillips double-end steel screwdriver for opening cowling.

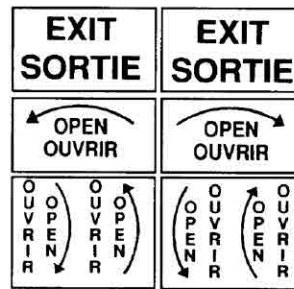
p/n FL-FT

ELT Placard

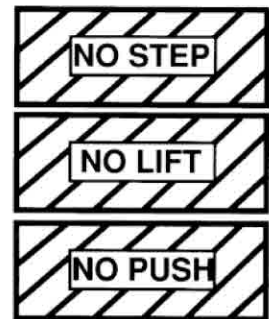
Self-Adhesive
Black on Yellow
p/n FL95

100 Octane Placard

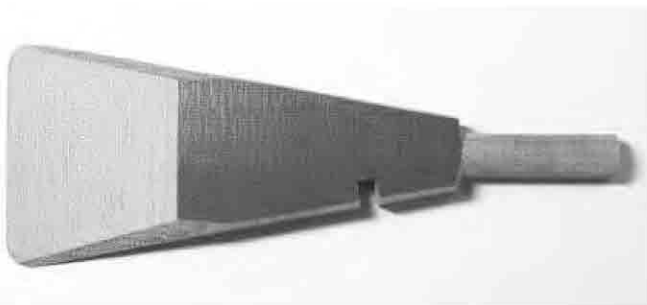
Self-Adhesive
Blue on White
p/n FL99

Exit Kit Placard

Self-Adhesive
Red on White
p/n FL98

Airframe Placard

Self-Adhesive
Black on Silver
No Step p/n FL56
No Lift p/n FL57
No Push p/n FL58

Phenolic Scraper Blade

.401 Shank Pneumatic Rivet Gun Phenolic Scraper Blade allows safe damage free removal of adhesives, sealants, stickers, grime, and more.

p/n GATPS001

Sealant Mixer

Chuck the 1/4" shank of this tool into your drill and easily mix SEMKIT® sealant tubes.

p/n GAT511

POLY-FIBER AIRCRAFT COVERING PROCESS (FORMERLY STITS PROCESS)



Combines the durable, versatile characteristics of custom woven polyester fabric with a durable, flexible, non-combustible coating system.

- Custom woven aircraft fabric
- Will not support combustion
- Will not peel in normal service
- FAA-STC approved methods and materials
- Quality control FAA-PMA production
- Will not develop excessive tension
- All popular aircraft colors available
- Fast installation time

POLY-FIBER POLYESTER FABRIC

Light Uncertified - Specially designed fabric for light aircrafts with wing load under 9 lbs. per square foot.
Approx. 70" Width

1-LIGHTU per YARD

Medium - Heavier and stronger fabric styles for normal service on aircraft with a wing loading 9 lbs. per square foot and over.

Approx. 71 / 72" Width

P103-72 per YARD

Heavy-Duty - For more rigorous operations such as aerobatics, agricultural, bush aircraft, and former military aircraft.

Approx. 70" Width

P99-70 per YARD

POLY-FIBER POLYESTER FINISHING TAPES

Available in Light and Medium. All styles of linear and bias finishing tapes may be used interchangeably on any fabric style.

Light Linear Cut

PART#	LENGTH
P106-1F	25 YD ROLL
P106-1.5F	25 YD ROLL
P106-2F	50 YD ROLL
P106-3F	25 YD ROLL
P106-4F	25 YD ROLL
P106-6F	25 YD ROLL

Medium Linear Cut

PART#	LENGTH
P103-1F	25 YD ROLL
P103-1.5F	25 YD ROLL
P103-2F	50 YD ROLL
P103-3F	25 YD ROLL
P103-4F	25 YD ROLL
P103-6F	25 YD ROLL

BIAS CUT TAPES

Bias tapes (weave pattern 45° to the edge) are suggested for installation over compound surfaces such as around wingtips and tail surfaces. Bias tape will stretch to conform to the required contour without heat shrinking edges or cutting and notching to remove excess fabric. Stretching reduces the width about 35%.

PART#	LENGTH
P110-2B	25 YD ROLL
P110-3B	25 YD ROLL
P110-4B	25 YD ROLL

POLYESTER RIB LACING CORD

Two styles of lacing cord are available, both impregnated with micro-crystalline fungicidal wax

- **Standard round** 4 ply, .035" dia., 60 lbs. tensile strength.2

RIB LACING THRD
per 500YD ROLL

- **Flat braided cord**, .012" thick x approximately .080" width, 50 lbs. tensile strength. Recommended when the minimum rib cord protrusion is desired.

RIB LACING FLAT
per 500 YD ROLL

POLYESTER MACHINE SEWING THREAD

10 lbs. tensile strength, 4 ply thread.

MACHINE THREAD
per 500 YD ROLL

POLYESTER HAND SEWING THREAD

15 lbs. Tensile strength, 3 ply uncoated thread.

HAND SEWING
per 250YD ROLL

INTER-RIB BRACING TAPE

Used to brace ribs before covering. This bracing keeps the ribs straight up and down when the fabric is heat tightened over them. It is nothing more than twill tape to provide stability for the ribs while covering. This bracing is not removed.

Comes 1/2" wide.

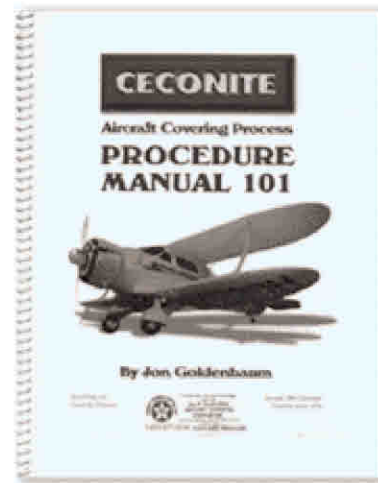
1/2INTERRIB
per 36 YD ROLL

POLYESTER RIB LACE REINFORCING TAPE

A custom woven high-strength polyester filament twill tape with a paper-protected high-tack adhesive coating on one side for quick application and bonding during the rib lacing procedure. (Patent pending) Available in 1/4", 3/8", and 1/2" widths. Where additional width is required on wide ribs, two or more tapes may be positioned side by side.

PART#	LENGTH
1/2 REINFORCING	60YD ROLL
1/4 REINFORCING	60YD ROLL
3/8 REINFORCING	60YD ROLL

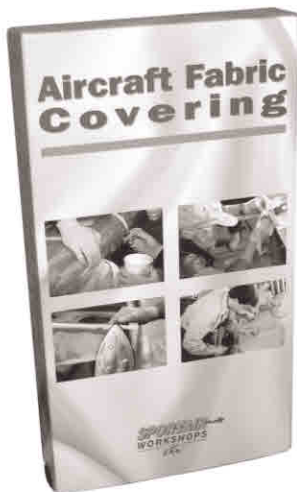
POLY-FIBER & CECONITE PROCEDURE MANUALS



The definitive Bibles for Poly-Fiber & Ceconite. A must to comply with the process. Easy to read and follow instructions and graphics. This manual can take even a complete novice through the entire process of covering a newly-constructed home-built or recovering a restored classic.

POLY-FIBER MANUAL P/N 11-PF

CECONITE MANUAL P/N 11-CE



POLY-FIBER COVERING VHS TAPE or DVD

New EAA SportAir two-hour video, demonstrating the entire process, from surface preparation through color coat application.



P/N 11-VIDEO

P/N 11-DVD



CANADIAN AIRCRAFT LOG BOOKS

PART#	DESCRIPTION
JOURNEY LOG-NEW	Soft covered Aircraft Journey Log Book (TP14089B)
JOURNEY LOG-HDC	Hard covered Aircraft Journey Log Book
TECHLB-1	Tech Log Binder Cover
SEC-1	Section 1- Airframe Tech. Log Book
SEC-2	Section 2-Record of Installation and Mods Tech. Log Book
SEC-3	Section 3-Engine Tech. Log Book
SEC-4	Section 4-Airframe Tech. Log Book
GAF-LOG	New Airframe Log does old sec 1 & 2

PAINT STRAINER CONES



Fine mesh, 60x48, for filtering all pigmented finishes, Poly-Brush, Poly-Spray, varnish, and other liquids. Imprinted with Poly-Fiber logo.

P/N 11-22

TACK CLOTH



A treated cloth used as a very light wipe to attract and remove dust, lint, and static-charged particles from a surface just before spray painting. **P/N 11-33**

SEWING NEEDLES

Curved:
3" and 6" for hand stitching
3" P/N 12-96 / 6" P/N 12-97



Straight:
12" and 18" rib lacing needles.
12" P/N 12-98 / 18" P/N 12-99



Curved Tip:
12" and 18" for the hidden rib lace knot.
12" P/N 13-21 / 18" P/N 13-22



PAINT STIRRING PADDLES



Polished wood, 12" length, 1" width. Imprinted with the Poly-Fiber logo.

P/N 13-25

DOPE AND GLUE BRUSHES



Glue Brushes: 1" wide, natural bristles and 3/8" wide, tin-plated tubular handle. Double crimped to hold the natural bristles. **3/8" Brush P/N T332 1" Brush P/N DB1**

Dope Brushes: Best quality, well anchored natural bristles. Tested as best for Poly-Brush application. Beaver tail handle. 2", 3" & 4" widths. **2" P/N DB2 3" P/N DB3 4" P/N DB4**

HVLP-3800™ HVLP SPRAYER



The HVLP-3800 is highly productive for nearly all fine finish applications. Easily spray stains, lacquers, oils, enamels, urethanes and automotive finishes. Plus, it atomizes many water-based latex and acrylic coatings, multicolor and other higher viscosity coatings.

233-422 HVLP-3800 Complete Turbine System with #3 - #5 Fluid Sets.

- Turbine Stages -3
- Gun - 1 qt (1 liter)
- High-Flex Turbine Air Hose Length - Standard units include 30 ft (9 m). Use 60 ft (18m) max.
- Electrical Rating - 12A at 120 VAC
- Shipping Weight - Complete - 34 lb (15.5 kg)
- Shipping Dimensions - 18 in. x 15½ in. x 16 in. (46 cm x 40 cm x 41 cm)

CECONITE

CECONITE™ FABRIC



CLIGHT1 -

Light Uncertified - Special designed fabric for over plywood surfaces on light aircraft. 94 x 94 thread count weighs approx. 1.9 oz. per sq. yard. 97 in/lb average strength.

P/N CLIGHT1-70 per YARD
approx. 70" width

C102 - Medium -

A fine weave fabric style for normal service replacement on aircraft originally using intermediate weight cotton fabric as per TSO-C-14. 66 x 66 thread count weighs approx. 2.7 oz. per sq. yard. 95 in/lb average strength.

P/N C102-70 per YARD
approx. 70" width

C101 - Heavy-Duty -

A fabric much stronger than cotton for more rigorous operations such as aerobatics, agricultural, bush aircraft, and former military aircraft. 52 x 52 thread count weighs approx. 3.7 oz. per sq. yard. 121 in/lb average strength.

P/N C101-70 per YARD
approx. 70" width

CECONITE™ FINISHING TAPES



C - Medium

PINKED EDGE SURFACE TAPES

PART#	WIDTH	LENGTH
CMED-1FP	1"	25 YD ROLL
CMED-1.5FP	1.5"	25 YD ROLL
CMED-2FP	2"	50 YD ROLL
CMED-3FP	3"	25 YD ROLL
CMED-4FP	4"	25 YD ROLL
CMED-6FP	6"	25 YD ROLL

STRAIGHT EDGE SURFACE TAPES

PART#	WIDTH	LENGTH
C102-1FS	1"	50 YD ROLL
C102-1.5FS	1.5"	50 YD ROLL
C102-2FS	2"	50 YD ROLL
C102-3FS	3"	50 YD ROLL
C102-4FS	4"	50 YD ROLL
C102-6FS	6"	50 YD ROLL

BIAS PINKED EDGE TAPES

PART#	WIDTH	LENGTH
CBIAS-2FP	2"	25 YD. ROLL
CBIAS-3FP	3"	25 YD. ROLL
CBIAS-4FP	4"	25 YD. ROLL



CLT- Light

PINKED EDGE SURFACE TAPES

PART#	WIDTH	LENGTH
CLT-1FP	1"	25 YD ROLL
CLT-1.5FP	1.5"	25 YD ROLL
CLT-2FP	2"	50 YD ROLL
CLT-3FP	3"	25 YD ROLL
CLT-4FP	4"	25 YD ROLL
CLT-6FP	6"	25 YD ROLL

CECONITE™ COMPANION PRODUCTS



RIB LACE REINFORCING TAPE

Pressure sensitive, high strength tape designed for ease of application. Available in 1/4", 3/8", and 1/2" widths. 60 yd roll.

1/4 REINFORCING TAPE P/N CEC-RT4

3/8 REINFORCING TAPE P/N CEC-RT3

1/2 REINFORCING TAPE P/N CEC-RT2



RIB LACING CORD

Standard round 1/2 LB. roll.

P/N CEC-TF per ROLL



MACHINE SEWING THREAD

Packaged 500 yards per spool.

P/N CEC-TM per ROLL



HAND SEWING THREAD

Packaged 250 yards per spool

P/N CEC-TH per ROLL



SUPER SEAM® CEMENT

Specially designed as a bond for Ceconite Fabric. No FAA speed limit. **PACKAGING:** One- quart and one-gallon cans.

P/N SEAMQ per U.S. QT.

P/N SEAMG per U.S. GAL.



Randolph Coatings are brought to you by Poly-Fiber, Inc. manufacturers of the famous Stits process. Their years of experience in aircraft covering allows them to reproduce the classic nitrate and butyrate dopes of the forties and fifties as faithfully as possible in today's environment. Their formulas follow the last Mil. Specs. published by the U.S. Government. The result is a dope system as you remember it, predictable and consistent, coat after coat. No inferior substitutes are used, only top grade raw materials are added, as specified in the original military formulations.

PRODUCTS FOR GRADE A COTTON & NON-SYNTHETIC FABRICS ONLY



9701 TAUTENING BUTYRATE DOPE (CLEAR)

9701 Tautening Butyrate Dope is used to shrink and seal organic fabrics, Grade A cotton and Irish Linen. Apply in multiple coats until the fabric reaches an acceptable level of tightness. Due to its shrinking characteristics, it is not recommended for use on Ceconite or other polyester synthetic fabrics. Polyester fabrics are shrunk primarily by heat; also applying a tautening dope after heat shrinking could produce undue tightness and deformation of the underlying structure. 9701 Tautening Butyrate dope is the recommended product for use on organic fabric rather than 201 Tautening Nitrate dope. For best results apply with a spray gun. 9701 Tautening Butyrate dope is thinned to spray viscosity with 9703 Butyrate Thinner thinned usually 1 to 1. **COVERAGE:** One thinned gallon covers approximately 200 square feet with one coat.
9701-QT
9701-GAL
9701-5GAL



210 TAUTENING NITRATE DOPE (CLEAR)

210 Nitrate Dope is used to seal and shrink organic fabrics: Grade A Cotton, Irish Linen or silk and silkspan for model airplanes. It is not recommended for use on Ceconite or other synthetic polyester fabrics. Polyester fabrics are shrunk by the application of heat; applying tautening dope after heat shrinking can produce undue tightening of the fabric and deformation of underlying structure. **NOTE:** We recommend using only 9701 Butyrate Dope on Grade A Cotton or Linen, butyrate dope is superior in all ways to nitrate dope on organic fabrics. We offer nitrate only for model airplanes or exact antique restorations where service life is not important. For best results, use a spray gun. Nitrate Dope is thinned 1 to 1 with 286 Nitrate thinner for spray viscosity. **COVERAGE:** One thinned gallon covers approximately 200 square feet.
210-QT
210-GAL
210-5GAL



286 NITRATE THINNER

286 Thinner is used to reduce G-6302 Rand-O-Proof, W-7868 Non-Tautening Nitrate Dope (Blue) and E-4964 Non-Tautening Nitrate (Clear). 286 Thinner is mixed 1 to 1 with nitrate dopes for brushing or spray viscosity.
286-QT
286-GAL
286-5GAL



BUTYRATE THINNER

9703 Butyrate Thinner is used to reduce all butyrate products, tautening or non-tautening to spray viscosity. It is normally used 1:1 with butyrate dopes.
9703-QT
9703-GAL
9703-5GAL

**G-6302 RAND-O-PROOF (GREEN)**

Rand-O-Proof is a non-tautening nitrate dope specially formulated for the first coats on Ceconite polyester fabric. It is also used to apply finishing tapes and to pre-coat large surfaces of wood or metal that will be covered with fabric. Pre-coating wood or metal with nitrate dope promotes adhesion and helps prevent pinholes in subsequent coatings. Rand-O-Proof is tinted transparent green for visibility upon application. Nitrate dope is always applied as a first coat to Ceconite; butyrate dope of any form will not stick to polyester fabrics. Rand-O-Proof is thinned to spray viscosity with 286 Nitrate thinned usually 1 to 1. **COVERAGE:** One thinned gallon covers approximately 200 square feet with one coat. See material estimates in the rear of the Ceconite Procedure Manual 101 for the amount suggested for specific aircraft.

G6302-QT
G6302-GAL

**E-4964 NON-TAUTENING NITRATE (CLEAR)**

E-4964 Non-tautening Nitrate Dope is used exactly as G-6302 Rand-O-Proof. E-4964 is completely clear and is used on open-cockpit aircraft fuselages or any place tinted nitrate is not desired. Packaging, coverage, mixing, thinning, application, dry time and shelf life are identical to Rand-O-Proof.

E4964-QT
E4964-GAL
E4964-5GAL

**A1690 NON-TAUTENING BUTYRATE (CLEAR)**

A1690 Clear Non-Tautening Butyrate is the recommended second product applied to fabric in sequence over the nitrate dope coats in the Ceconite/Randolph process. Nitrate dope is used only for the initial coats on Ceconite; butyrate is used for all others. Clear butyrate is used as a build coat to add thickness and body to the dope film while retaining flexibility. For best results, apply with a spray gun. A1690 Clear Non-Tautening Butyrate is Thinned to spray viscosity with 9703 Butyrate Thinner, usually 1 to 1. **COVERAGE:** One thinned gallon will cover 200 square feet with one coat. See material estimates section in the rear of the Ceconite Procedure Manual 101 for an estimate for a specific aircraft.

A1690-QT
A1690-GAL
A1690-5GAL

**W-7868 NON-TAUTENING NITRATE (BLUE)**

W-7868 Non-tautening Nitrate Dope is used exactly as G-6302 Rand-O-Proof. The major difference is the color. Packaging, coverage, mixing, thinning, application, dry time and shelf life are identical to Rand-O-Proof.

W7868-QT
W7868-GAL

**G-6303 RAND-O-FILL (SILVER)**

G-6303 Rand-O-Fill is the third product applied in sequence over fabric in the Ceconite/Randolph system. It is a pre-mixed silver butyrate dope that primarily provides UV protection for fabric. Four cross coats (one cross coat is two coats sprayed perpendicular) are usually sufficient to provide lasting UV protection. Fewer coats will provide less protection and will markedly shorten the service life of the fabric. G-6303 Rand-O-Fill is thinned to spray viscosity with 9703 Butyrate Thinner, usually 1 to 1. **COVERAGE:** One thinned gallon covers approximately 200 square feet with one coat. See the material estimates section in the rear of the Ceconite Procedure Manual 101 for the amount suggested for specific aircraft.

G6303-QT
G6303-GAL

**UNIVERSAL RETARDER**

Prevents blush in nitrate and butyrate products. Also used to slow nitrate and butyrate drying in high temperatures.

Y9910-QT
Y9910-GAL

**BUTYSOLVE REJUVENATOR**

Used to soften aged, dried or cracked butyrate coatings.

This blend of penetrating solvents and plasticizers soak into the dried coatings to restore a supple, flexible surface. Spray three coats out of the can without reducing. Allow 15 minutes between coats. Old coatings will reliquify. Allow to dry overnight to restore flexibility.

J-3000-QT



Colored Butyrate Dope, Randolph Enamel and Ranthane are available in 50 standard colors that represent the most popular classic colors from the vintage years of aviation. These colors are produced on tinting machines to a standard formula in our Winnipeg facility. Colored butyrate dopes produced on a tinting machine match the samples on the 2004 Randolph color card but may not be exact matches for colors made in batches in past years at the old Randolph facility. Additionally, dopes age over time and thus change color no matter how well protected the aircraft is in storage. When preparing dope finishes, hold a 2004 Randolph color card up to the existing finish to check for the best color match. Do not rely on color names or numbers alone; the color card is the only way to determine a match with paints produced today from tinting machines.

Those who want exact color matches in the fabric and metal parts should consider Ranthane polyurethane for the whole aircraft (metal and fabric) or Ranthane over the metal components only. Ranthane is also made from a clear resin, thus the color match with butyrate dope is very close, although like enamel, Ranthane is much glossier than butyrate dope. Aircraft restorers should consider that the classic aircraft of the 30's and 40's were finished in butyrate dope and enamel. They rolled out of the factory with a slight difference in hue and gloss between fabric and metal parts. A true restoration will reflect those slight differences; few antique and classic aircraft had perfectly matched finishes with exactly the same gloss on all components.

COLORED NON-TAUTENING BUTYRATE DOPE

Non-Tautening Colored Butyrate Dope is the final color coat applied over fabric in the Ceconite/Randolph system. Randolph Colored Butyrate Dope is FAA approved as topcoat paint used over Ceconite. The only other FAA approved choice for use on Ceconite fabric is our Ranthane polyurethane; no other topcoat may be used under the Ceconite STC. The Ceconite/Randolph system with colored butyrate dope topcoat has the advantage of ease of repair and the ability to be rejuvenated to increase service life. Non-Tautening Colored Butyrate Dope is thinned to spray viscosity, usually 1 to 1 with 9703 Butyrate Thinner. **COVERAGE:** One thinned gallon covers approximately 200 square feet with one coat. **NOTE:** Yellow and red are translucent colors. For best coverage and hide, use white dope as a pre-coating. See estimates in the Ceconite Procedure Manual 101 for specific aircraft quantities.

COLOR NO- QT
COLOR NO- GAL



Randolph Paint Colors

	<i>WHITE</i>
Q-1050	INSIGNIA WHITE
Q-1916	RANDOLPH WHITE
B-4243	JUNEAU WHITE
K-7641	VESTAL WHITE
J-9545	DAYTONA WHITE
W-9130	TROPIC WHITE
	<i>BLUE</i>
W-3554	LAKELAND BLUE
H-9170	BAHAMA BLUE
W-9506	AN (TRUE BLUE)
M-9502	INSIGNIA BLUE
W-8430	NEWPORT BLUE (METALLIC)
X-5700	MIAMI BLUE
	<i>GOLD</i>
B-9916	RENO GOLD (METALLIC)
	<i>ORANGE</i>
E-6428	AERONICA 7AC ORANGE
M-9526	CRUISER ORANGE
P-6600	CESSNA TIGER ORANGE
C-2065	OCALA ORANGE
	<i>RED</i>
B-3534	MADRID RED
M-9522	TENNESSEE RED
W-3665	PONTIAC RED
H-9150	SANTA FE RED
M-9530	VERMILLION RED
B-9163	COLORADO RED
J-9555	CADILLAC RED
	<i>MAROON</i>
X-5680	BOSTON MAROON
X-5749	STINSON MAROON
	<i>BROWN</i>
R-8175	SANDLEWOOD
Y-9775	HICKORY BROWN
	<i>CREAM</i>
X-5260	TUCSON CREAM
M-9518	DIANA CREAM
Z-7245	SUN VALLEY IVORY
	<i>YELLOW</i>
M-9512	LEMON YELLOW
N-3353	FEDERAL YELLOW
F-6285	CUB YELLOW
M-9521	LOCKHAVEN YELLOW
D-9270	AG CAT YELLOW
E-6427	AERONICA 7AC YELLOW
Y-5783	DALLAS YELLOW
M-9501	AN ORANGE YELLOW
	<i>GRAY</i>
R-8174	PLATINUM GRAY
F-7790	AG CAT GRAY
Y-6100	POLAR GRAY
R-4870	NEUTRAL GRAY
M-9514	SILVER (METALLIC)
	<i>BLACK</i>
H-6117	BLACK
	<i>MILITARY CAMOUFLAGE</i>
R-4869	OLIVE DRAB
F-2406	FEDERAL GREEN
	<i>GREEN</i>
F-5830	MONTEGO GREEN
W-8427	TAMPA GREEN (METALLIC)
Y-6350	FOREST GREEN



RANTHANE HS POLYURETHANE

Ranthane is a high-solids, flexible, two-part polyurethane that is FAA approved for use on Ceconite fabric. Other polyurethanes are not approved on the Ceconite STC. Although extremely flexible, Ranthane is also optimized for use on primed aluminum, steel, or composite surfaces. Ranthane is offered in 50 colors as presented on Randolph color card 2004. Ranthane has three separately packaged components that are mixed before application. All three components are required and cannot be substituted: Ranthane polyurethane paint, AU-CAT-2X1 Catalyst, and G-4200 Urethane Reducer. Mix two parts Ranthane with one part AU-CAT-2X1 to Catalyze. Catalyzed Ranthane is thinned 3 to 1 with G-4200 Urethane Reducer. COVERAGE: One gallon of mixed components (one and one half gallons sprayable) will yield 300 square feet with one coat. See aircraft estimated amounts in the Ceconite Procedure Manual 101.

RAN-COLOR NO-QT RAN-COLOR NO-GAL

Gallon Components: One gallon Ranthane polyurethane paint, two quarts AU-CAT-2X1 Catalyst, two quarts G-4200 Urethane Reducer. These components will yield over one and a half gallons of sprayable Ranthane.

Quart Components: One quart Ranthane polyurethane paint, one pint AU-CAT-2X1 Catalyst, one quart G-4200 Urethane Reducer. These components will yield over one and a half quarts of sprayable Ranthane.



AU-CAT-2X1 RANTHANE CATALYST

AU-CAT-2X1 is the only catalyst approved for Ranthane. Other products cannot be substituted.

AU-CAT-2X1-QT



RANDOLPH ENAMEL

Randolph Enamel is available in the same 50 colors as Colored Butyrate Dope and Ranthane. Enamel is used only over epoxy primed metal components and, unlike Ranthane, is too brittle to be used over fabric. It is normally used to paint the metal parts of airplanes whose fabric components have been painted with Colored Butyrate Dope. Enamel is a close match in color to butyrate dope, but is much glossier and can differ slightly in color from butyrate in the white colors and other light hues. That "constant gloss" look arrived when polyurethane paints were perfected in the 1960's. Randolph enamel is thinned 5 to 1 with 257 Enamel Thinner. COVERAGE: One thinned gallon covers approximately 225 square feet with one coat.

ENAMCOLOR NO-QT ENAMCOLOR NO-GAL



G-4200 THINNER FOR RANTHANE

G-4200 Thinner is a special blend of solvents specifically formulated for use with Ranthane polyurethane paint. Other products cannot be substituted.

G4200-QT G4200-GAL



257 ENAMEL THINNER

Enamel thinner is a special formulation for enamel only. Mix 1 to 5 with enamel for spray viscosity.

257-QT 257-GAL

E-9313 ENAMEL HARDNER/GLOSS ADDITIVE

E-9313 is a special drier/ additive that modifies enamel into a stronger film that dries faster and creates an even, glossier surface. Adding 2 fluid ounces per thinned quart improves the gloss and removes the tendency for enamel to remain slightly tacky for long periods. Do not add more than 2 fluid ounces; more than this amount can cause the enamel to curdle.

E9313-PT



WING WALK COMPOUND

Wing Walk Compound comes in two colors, black or gray. Wing Walk is a brush-on coating for wing walks or any areas where a gritty, non-skid walkway is desired. It is formulated to remain relatively soft throughout its service life to promote adhesion and prevent chipping. Use directly out of the can. If the compound is too thick for the intended use, it may be thinned 5 to 1 with toluene. **COVERAGE:** One unthinned gallon covers approximately 150 square feet with one coat.

- X1567B-QT** **Black U.S. Quart**
- X1567B-GAL** **Black U.S. Gallon**
- X1567G-QT** **Gray U.S. Quart**



RANDOLPH FAST DRY ENGINE ENAMELS

Engine Enamels are formulated to use on engine crankcases and cylinders usually after engine overhaul or for general maintenance. They are heat resistant and provide good gloss and color retention. Engine Enamels thinned 5 to 1 with 257 Enamel Thinner. **COVERAGE:** One thinned gallon covers approximately 225 square feet with one coat.

- 303-QT** **BLACK**
- D5973-QT** **CONTINENTAL GOLD**
- G5436-QT** **LYCOMING GRAY**



FLATTENER

Flattener is a liquid product with silica flattener added. It is used to reduce the gloss of Butyrate Dope, Enamel, or Ranthane. Adding flattener in increasing amounts can result in semi-gloss or full military flat depending on the percentage added. Flattening is an inexact science; it is always best to spray a sample then let it dry to insure you are achieving the flatness desired.

FT- PT



FLOAT LACQUER

Float lacquer is a time-honored silver coating for aircraft floats. Although it can be applied by brush, it is more suitable for spraying. Float lacquer is a classic, low-tech way of coating floats. Although its service life is far less than today's polyurethanes, its ease of application and repair make it a useful product. Apply over epoxy-primed metal or directly over old float lacquer. Float lacquer is thinned 1 to 1 with 286 Nitrate Thinner. **COVERAGE:** 225 square feet per gallon.

FL-GAL



RANDOLPH ACID-PROOF PAINT

This specialty product from Randolph Products is used as a spray on the bottom of aluminum floats on amphibious aircraft to protect them from marine growth. It is also an excellent product for use in battery compartments. Manufactured to Military Spec. TT-L-54.

- 345-QT**
- 345-GAL**



257 ENAMEL THINNER

Enamel thinner is a special formulation for enamel only. Mix 1 to 5 with enamel for spray viscosity.

- 257-QT**
- 257-GAL**



C-2210 PAINT SURFACE CLEANER

A mild solvent cleaner used to clean surfaces before spray painting.

- C2210-QT**
- C2210-GAL**



286 NITRATE THINNER

286 Thinner is used to reduce G-6302 Rand-O-Proof, W-7868 Non-Tautening Nitrate Dope (Blue) and E-4964 Non-Tautening Nitrate (Clear). 286 Thinner is mixed 1 to 1 with nitrate dopes for brushing or spray viscosity.

- 286-QT**
- 286-GAL**
- 286-5GAL**

GOULET FLOAT SEALER

Elastic fluid consistency product formulated to seal pin holes around rivets and seams in floats.

DIRECTIONS - Pour a suitable quantity in each float compartment and slop liquid around compartment interior allowing sealer adequate time to flow into seams and voids. Rotate float if necessary.

FS2005-GAL



**EP-420W EPIBOND EPOXY PRIMER
(WHITE) OR EP-420G RAND-O-
PLATE (DARK GREEN)**

Epoxy primer comes in two colors: white or dark green; both have identical properties and ingredients and vary only by color. Cured epoxy primers are completely solvent resistant and are not wrinkled or lifted by fabric cements or dopes. White is the easiest color to use under any color paint and is always a better choice for aluminum, steel or composites that will be topcoat painted. Dark green is actually white primer tinted green for those who want to simulate the color of WWII zinc chromate on war birds. There are three parts to an epoxy primer kit: EP-420 Primer, EP-430 Catalyst, and E-500 Reducer; all are required and cannot be substituted.

Epoxy primer is used to coat steel, aluminum, and composite surfaces before painting. It has superior anti-corrosive properties that exceed one-part zinc chromate primers in all levels of performance. Epoxy primers may be used under enamels, Ranthane polyurethane, and a variety of other topcoat paints. Epoxy primers may be applied directly over old one-part primers like zinc chromate or red iron oxide to provide a solvent-proof barrier coat to protect from fabric cements and dopes. **COVERAGE:** One gallon of catalyzed, reduced primer will cover approximately 1000 sq. feet one coat. **Thinning:** Add exactly two parts Primer to one part EP-430 Catalyst. Two parts catalyzed primer to one part E-500 reducer.

EP420-GREENQT
EP420-GREENGAL
EP420-WHITEQT
EP420-WHITEGAL

Gallon Kit: 1 gallon Epibond or Rand-O-Plate Epoxy Primer, 2 quarts EP-430 Catalyst, 1 gallon E-500 reducer. Yield: 2 ½ gallons of sprayable primer when mixed.

Quart Kit: 1 quart Epibond or Rand-O-Plate Epoxy Primer, 1 pint EP-430 Catalyst, 1 quart E-500 reducer. Yield: 2 ½ quarts of sprayable primer when mixed.



EP-430 EPOXY PRIMER CATALYST

Catalyst for either Epibond White Epoxy Primer or Rand-O-Plate Green Epoxy Primer.

EP430-PT
EP430-QT



E-500 EPOXY THINNER

Used to thin Epibond and Rand-O-Plate primer as well as EV-410 Epoxy Varnish. Follow thinning directions on the primer and varnish cans. Do not substitute other solvents or thinners in these epoxy products.

E500-QT
E500-GAL



EX-501 EPOXY ACCELERATOR

Accelerates the drying time of epoxy primer or varnish in cold weather. **EPOXY PRIMERS:** Add one to a maximum of two fluid ounces of accelerator to a quart of catalyzed and thinned epoxy primer Do not exceed 2 fluid ounces per quart. **EPOXY VARNISH:** Add one to a maximum of three fluid ounces to a quart of catalyzed and thinned varnish. Do not exceed 3 fluid ounces per quart.

EX501-1/2PT



**AEROSOLS
GREEN SPRAY PRIMER**

-Green Corrosion Inhibiting Primer
-Meets or Exceeds MIL TTP-1757
-The best we have found yet
p/n 344 per EACH GreenPrimer



**GENERAL PURPOSE PAINT
INTERIOR - EXTERIOR
FAST DRY LACQUER
TOUGH HIGH - GLOSS FINISH**

p/n 41403 per EACH Dull Aluminum
p/n 41501 per EACH Glossy White
p/n 41601 per EACH Glossy Black
p/n 41602 per EACH Ultra-Flat Black
p/n 41613 per EACH Semi-Flat Black
p/n 42101 per EACH Cherry Red

HI-HEAT

**IDEAL FOR EXTREME TEMP.
600°F**

p/n 41402 per EACH Hi-Heat Aluminum
p/n 41614 per EACH Hi-Heat Black



KLEAR-TO-LAND

Aircraft Windscreen Cleaner

Meets Aircraft Specs

*MIL P2425 Sheet Acrylic Plastic

*MIL P25690A Stretched Modified Acrylic Sheet

*CSD-1 Aircraft Transparencies and Sandwich Corrosion

*BMS-8-135 *Boeing Lexan 9600

- *REDUCES GLARE
- *NON-STREAKING
- *REMOVES BUGS
- *ANTI-FOG
- *ANTI-STATIC
- *REMOVES GREASY FILM
- *REPAIRS SCRATCHES
- *CLINGS WHEN YOU SPRAY IT

*CLEANS WHEN YOU WIPE IT *NO DUST CLINGING RESIDUE

"KLEAR-TO-LAND" is formulated primarily for aircraft windscreens - however, it can be and is used extensively for aircraft interior cleaning, including upholstery cleaning, fabric, plastic and leather.

Klear to Land 18 oz Aerosol p/n DW-KTAERO

Klear to Land U.S. QT. p/n DW-KTKQT

Klear to Land U.S. GAL. p/n DW-KTKG

AIRCRAFT EXTERIOR CLEANING PRODUCTS



AERO WASH N WAX

Davies "Aero Wash N Wax" is a chemical breakthrough in liquid aircraft wash technology. It makes it possible to thoroughly wash and wax your plane in one operation! "Aero Wash N Wax" first scrubs the vehicle clean, and then leaves a protective wax coating. This amazing chemical discovery simply hoses to a bright luster, no chamoising is required, just apply with a sponge or soft brush, and hose it off. "Aero Wash N Wax" is recommended for all types of finishes. It rinses easily and quickly, and is the perfect time saver.

Aero Wash N Wax U.S. QT. p/n DW-AWWQT

Aero Wash N Wax U.S. GAL p/n DW-AWWG

AERO-PREP #500

"Aero-Prep #500" has some rather remarkable characteristics - it is unexcelled for safely and quickly removing exhaust stains as well as emulsifying and removing heavy grease and soil deposits before shampooing. It is a synergistic product that has many different applications such as removing exhaust stains and grease and oils from the underside of the aircraft. Being a concentrate, the versatility of "Aero-Prep #500" makes it a very economical product. It may even be used in dilute form for washing the entire aircraft. "AERO-PREP #500" is biodegradable, nonflammable and nontoxic. It will rinse free of film and residues.

DIRECTIONS:

- Removing exhaust stains - 1 part "Aero-Prep" to 5 parts water
- Engine & small parts cleaner - 1 part "Aero-Prep" to 3 parts water
- Cleaning concrete floors - 1 part "Aero-Prep" to 5 parts water
- General all-purpose cleaning - 1 part "Aero-Prep" to 3 parts water
- Cleaning vinyl - 1 part "Aero-Prep" to 40 parts water

"Aero-Prep #500 must be rinsed immediately after using. DO NOT allow "Aero-Prep #500" to dry on any surface!!

Aero Prep U.S. GAL p/n DW-AP500G
Aero Prep U.S. 5 GAL PL. p/n DW-AP500PL

AERO-KLEEN #400

The only aircraft detergent with - - POSITIVE EMULSION- - an emulsion so strong, oil will not redeposit (will not settle out on the surface before the job is finished) thus leaving a dull finish after washing. Cuts through exterior grime without dulling the finish. Safe, at any dilution. Formulated for quick, easy and effective application with all kinds of automatic washing apparatus, portable spray units, etc. Recommended by the Aviation Consumer, an independent report to pilots and aircraft owners. Tested and Approved to meet specifications of McDonald-Douglas CSD #1 Type 1, U.S.A.F. MIL-C-25769J, Boeing and Aerospace Material AMS.

Aero Kleen U.S. GAL p/n DW-AK400G
Aero Kleen U.S. 5 GAL PL. p/n DW-AK400PL

SPEED WAX

Davies "Speed-Wax" is ideal for the professional aircraft maintenance person or co-pilot who are short on time. As the name states, this product goes on and comes off at close to mach speed, leaving a showroom finish. "Speed-Wax" simply wipes on and off, no oscillating applicator or water is needed. It is perfect for those "on the road" applications when a quick shine is needed to remove rain or dew water spots. "Speed-Wax" will remove pollution or exhaust stains, is safe on emron and aluma-grip paints, and will not harm glass or plastic. The thin polish left behind not only keeps your aircraft looking new, but also protects the paint. DuPont "Teflon" is added for enhanced durability during all weather and flying conditions.

Speed Wax U.S. QT. p/n DW-SPWQT

Speed Wax U.S. GAL p/n DW-SPWG

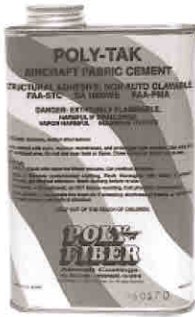
AERO-TECH WIPES

Davies "AERO-TECH WIPES" blends the micro-fiber cloth technology, with the special needs of the aircraft cleaning industry. Select synthetic materials are micro-processed, into durable fibers, re-combined into a strong, durable, non-scratch fabric. This specialty process supplies "AERO-TECH WIPES" with the non-scratch features, provides outstanding dirt lifting and entrapment properties and also the wet or dry use options. "AERO-TECH WIPES" are made in the handy 16" by 16" size, and are available in individually poly-packs, or bulk packaged in 10 and 50 quantities. It is recommended that 2 "wipes" be used per aircraft, one for the interior and one for the exterior. One also comes in real handy in the cockpit to wipe off the instrument panel gages and screens.

Aero Tech Wipes Singles p/n DW-ATW-IND

Aero Tech Wipes 10 Bulk p/n DW-ATW-10

Aero Tech Wipes 50 Bulk p/n DW-ATW-50



POLY-TAK FABRIC CEMENT

A high-strength, fast-drying, one-part cement manufactured from a proprietary formula especially to attach polyester fabric to an airframe. It is FAA approved with the Poly-Fiber STC for use in making a 2" overlap cement seam on the wing leading edge and a 1" overlap cement seam on the balance of the aircraft, regardless of the wing loading or maximum speed (Vne). No other aircraft fabric cement has this approval. Add Methyl Ethyl Ketone (MEK) when necessary to reduce viscosity due to solvent evaporation from an open container.

POLYTAK-PINT
POLYTAK-QT
POLYTAK-GAL



POLY-SPRAY

A high-solids, one-part aluminum-pigmented, air-drying coating used to protect the fabric from ultraviolet damage and as a sanding base to develop a smooth finish. Reduce 4 to 1 with Poly-Fiber Reducer.

COVERAGE: Approximately 200 sq. ft. per gallon.

POLYSPRAY-QT
POLYSPRAY-GAL



POLY-BRUSH

Poly-Brush is a high-solids, one-part, air-drying adhesive coating formulated for the first and second coats to penetrate and seal the fabric weave and attach all polyester finishing tapes and reinforcing patches. It provides twice the peel resistance as nitrate dope on polyester fabric. Poly-Brush is thinned 3 to 1. Red oxide tinted Poly-Brush will be shipped unless untinted is specified. COVERAGE: Approximately 150 sq. ft. per gallon.

POLYBRUSH-QT
POLYBRUSH-GAL

UNTINTED POLY-BRUSH

Until 1980, all Poly-Brush was supplied with a translucent white tint caused by a small quantity of white pigment, antimony oxide, one of the fire retardants. Poly-Fiber now also adds a small quantity of red oxide pigment as a visual aid for application uniformity. The original untinted Poly-Brush is available on request and recommended in the cockpit or cabin areas where the backside of the fabric will be visible in normal operation. COVERAGE: Approximately 150 sq. ft. per gallon.

POLYBRUSH-U-QT
POLYBRUSH-U-GAL



POLY-FIBER REDUCERS

Poly-Fiber has two reducers for viscosity and drying control of Poly-Brush, Poly-Spray, and Poly-Tone and both are named after the recommended temperatures for their use.

REDUCER, R65-75 is the standard reducer recommended for viscosity control in normal temperatures 65° and 75°F.

R65-75-QT
R65-75-GAL

RETARDER REDUCER, RR 8500 is recommended for use in temperatures above 85°F. to produce the proper coating flow-out and when needed, to avoid blush in warm, humid weather.

RR8500-QT
RR8500-GAL



POLY-FIBER BLUSH RETARDER BR-8600

A rich, slow-drying solvent blend to be used in Poly-Tone, Poly-Brush, and Poly-Spray, according to directions on the labels. Prevents blushing and improves flow-out and gloss under conditions of high humidity and/or high temperature. Poly-Fiber recommends 1 to a max of 4 liquid ounces per gallon. Poly-Fiber vinyl products hardly ever blush. And even if they do you can add some BR-8600 Blush Retarder to the paint and go right on spraying in moderate humidity. Blush retarder is also helpful in slowing down drying time to improve paint gloss.

BR8600Q
BR8600G

NOTE: Always refer to the Poly-Fiber Manual for detailed application instructions.



POLY-TONE FINISH

A durable one-part, air-drying, flexible coating available in over 50 popular aircraft colors. Poly-Tone is manufactured from the same generic class of petrochemical feed stock as Poly-Tak, Poly-Brush, and Poly-Spray, and is considered to be the standard pigmented finish for the Poly-Fiber covering process. The thermo-expansion and elasticity are the same as all sub-coats, and there is no inter-coat adhesion problem if the surface is clean. Poly-Tone is non shrinking, non bleeding, fire retardant, chemical resistant, and is used on both metal and fabric. It air dries to a satin gloss finish and can be polished to a high luster equal in appearance to any cellulose dope, lacquer, or synthetic enamel finish.

COVERAGE: One gallon of Poly-Tone will cover approximately 200 sq. ft. with one coat. **PACKAGING:** One-quart and one-gallon cans.

Poly-Tone is designated by adding the letters PT in front of the color number. Example: PT-191 is Pontiac Red.

SEE POLY-FIBER COLOR CHART OR LISTING FOR ACTUAL NO. DESIGNATION.

Shade prices vary by designations as listed below. See actual price list to determine cost differential.

PT general shades - white, cream, beige, brown, camouflage, gold, silver, grey, & black.

PT blue & blue green shades.

PT orange shades.

PT green shades.

PT yellow shades.

PT red, purple, & maroon shades.



ULTRA VIOLET BLOCKER

Used as an additive to Poly-Tone paint to partially block UV radiation. Does NOT replace Poly-Spray as a full UV blocker. Do NOT use with Aero-Thane. Should only be used in the most weight-restrictive ultralight applications. IT IS NOT A SUBSTITUTE FOR SILVER POLY-SPRAY, and is much LESS effective. Quarts. Add 1 fl oz. and shake well. Gallons. Add 4 fl oz. and shake well.

UV-BLOCK-1/2PT



POLY-FIBER REJUVENATOR RJ 1200

A proprietary formula containing the correct proportions of the same plasticizers used in the Poly-Fiber coatings with penetrating solvents to carry the plasticizers into the old coating and restore the original flexibility. Vinyl Poly-Tone paint can be rejuvenated. Enamels and polyurethanes, including Aero-Thane, cannot.

COVERAGE: Approximately 300 sq. ft. per gallon.

RJ1200-QT

RJ1200-GAL

BASIC MATERIALS

Materials You Will Need

We'll use a J-3 Cub as our example. Naturally, your list depends upon what you're covering, and you can scale things up or down as needed. Here's our list.

- 45 yards of Poly-Fiber Medium fabric
- 6 rolls of 2" Medium finishing tape
- 1 roll of 4" Medium finishing tape
- 1 roll of 3" Bias finishing tape
- 1 roll of Rib lacing cord
- 2 rolls of 1/2" Reinforcing tape
- 2 rolls of Inter-rib brace tape
- 1 roll of Cloth anti-chafe tape
- 100 Plastic drain grommets
- 30 Inspection rings
- 25 Inspection ring covers
- 1 gallon Poly-Tak
- 8 gallons Poly-Brush
- 11 gallons Poly-Spray
- 5 gallons Reducer

Finish Colors

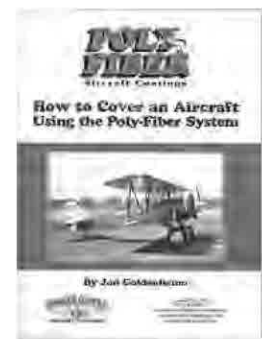
11 gallons Poly-Tone color

OR

6 gallons Aero-Thane color

6 quarts U-865 Catalyst

1 gallon UE-820 reducer



POLY-FIBER PROCEDURE MANUAL

The definitive Poly-Fiber Bible. A must to comply with the process. Easy to read and follow instructions and graphics. This manual can take even a complete novice through the entire process of covering a newly-constructed home-built or recovering a restored classic.

P/N 11-PF per EACH

NOTE: Always refer to the Poly-Fiber Manual for detailed application instructions.

Poly-Tone v.s Aero-Thane the Final Finish Question ??

POLY-TONE is the single part color fabric finish for the Poly-Fiber System. It has a satin-gloss finish. Used over fabric, it is easy to repair. Poly-Tone is optimized for fabric, although many builders choose to use it on metal for its ease of application and ability to melt into previous coats. Poly-Tone has had mixed success over primed metal and fiberglass. Sometimes it lasts for years, sometimes it peels off in months. The good news is, if it comes off, it's really easy to put right back on. So some builders find it convenient to just use Poly-Tone for everything. If they have to respray a cowling every few years or so, so be it. Poly-Tone is the easiest paint to apply we know of, and it blends to a perfect match. Not the best when used over metal, but it works OK with proper preparation.

AERO-THANE If you want a high-gloss high-tech wet-look finish, this is the colored paint to use. It's a two-part product that uses its own U-865 catalyst and UE-820 reducer. MEK doesn't cut it. It covers fabric, metal and fiberglass equally well. If you want a high-gloss finish, you can use this on your whole darn airplane. It works great over fabric and metal, but it's more difficult to repair than Poly-Tone.

WARNING. You **MUST** wear a **FRESH AIR SOURCE RESPIRATOR** when spraying all polyurethanes, Aero-Thane included.

Aero-Thane can be flattened to closely match Poly-Tone on your metal parts and the end result is a close match. The advantage to using Poly-Tone on fabric and flattened Aero-Thane on metal is that you have selected the optimum paint for each sub-structure. You're combining long life for the metal with repairability for the fabric. This system works well to replicate a historically correct dope-like finish for antiques and classics with the benefit of true longevity.

POLY-FIBER AIRCRAFT COLORS

By popular demand, these 50 colors are the standard production colors. Colors are listed progressing from light to darker shades in each color group.

<i>WHITE</i>		<i>CREAM</i>	
105	INSIGNIA WHITE	125	TUCSON CREAM
110	JUNEAU WHITE	131	DIANA CREAM
117	GLACIER WHITE	132	SUN VALLEY IVORY
120	DAYTONA WHITE		
<i>BLUE</i>		<i>YELLOW</i>	
165	LAKELAND BLUE	136	LEMON YELLOW
170	BAHAMA BLUE	139	FEDERAL YELLOW
173	AN (TRUE BLUE)	140	ORANGE YELLOW
176	INSIGNIA BLUE	143	CUB YELLOW
177	CHRISTEN EAGLE BLUE	145	LOCKHAVEN YELLOW
318M	PIPER TRAINER BLUE	146	J3 OEM YELLOW
		240	CHAMPION YELLOW
		242	AG CAT YELLOW
<i>GOLD</i>		<i>GREY</i>	
301M	RENO GOLD	210	POLAR GREY
		213	AG CAT GREY
		213A	FEDERAL GREY
		219	JASPER GREY
		220M	NEVADA SILVER
		222M	RANCHO SILVER
<i>ORANGE</i>		<i>BLACK</i>	
142A	EAGLE YELLOW ORANGE	215	DAKOTA BLACK
180	CRUISER ORANGE		
182	PUMPKIN ORANGE		
183	INTERNATIONAL ORANGE		
<i>RED</i>		<i>MILITARY CAMOUFLAGE</i>	
187	CHRISTEN EAGLE RED	208	OLIVE DRAB
189	MADRID RED	208A	FEDERAL GREEN
190	TENNESSEE RED	212	OAK GREEN
191	PONTIAC RED		
195	SANTA FE RED		
<i>MAROON</i>		<i>GREEN</i>	
196	BOSTON MAROON	151	EVERGLADES GREEN
197	STINSON MAROON	156	PORTLAND GREEN
		157	CUBY SPORT TR.GREEN
		160	FOREST GREEN
<i>PURPLE</i>			
361	CHRISTEN EAGLE PURPLE		
<i>BROWN</i>			
203	ELSINORE BROWN		
205	BERMUDA TAN		

**POLY
FIBER**
Aircraft Coatings



AERO-THANE

A tough, flexible, solvent-, chemical-, abrasion- and weather-resistant high-gloss, two-part polyurethane recommended as the best quality fabric finish over Poly-Fiber covering materials, and all primed metal and glass fiber composite components on fabric-covered aircraft. Also recommended to refinish suitably rejuvenated nitrate and butyrate dope-coated aircraft fabric surfaces, and any old sound finishes on metal and fiber glass aircraft components. **COLORS:** Available in all standard Poly-Fiber colors.



Aero-Thane is designated by adding the letters AO in front of the color number.

Example: AO-191 is Pontiac Red.

SEE POLY-FIBER COLOR CHART OR LISTING FOR ACTUAL NO. DESIGNATION.

Shade prices vary by designations as listed below. See actual price list to determine cost differential.

AO general shades - white, cream, beige, brown, camouflage, gold, silver, grey, & black. AO blue & blue green shades. AO orange shades. AO green shades. AO yellow shades. AO red, purple, & maroon shades.

PACKAGED: 3/4-quart and 3/4-gallon base containers.

PACKAGING: Each component is sold separately.

Recommended unit ratios: 3/4 quart AO-xxx base component, 1/2 pint U-865 catalyst and up to 10-20% p/n UE820 reducer. 3/4 gallon AO-xxx base component, 1 quart U-865 catalyst and up to 10-20% p/n UE820 reducer.

COVERAGE: One gallon catalyzed Aero-Thane enamel will cover approximately 225 sq. ft. with one coat.

FLATTENER

Used to reduce the gloss of Aero-Thane and Poly-Tone paints. In Poly-Tone, used only to flatten to full military flat. In Aero-Thane, used to either decrease the gloss to match Poly-Tone, or to go all the way to full military flat. Flattener is in liquid form. Mix and shake thoroughly before use.

TO FLATTEN AERO-THANE TO A POLY-TONE GLOSS LEVEL: Quart Size. Replace 6 fl oz of the base paint with 6 fl oz of flattener. Gallon Size. Replace 24 fl oz of the base paint with 24 fl oz of flattener.

TO GO ALL THE WAY TO FULL MILITARY FLAT WITH EITHER POLY-TONE OR AERO-THANE:

Quart Size. Replace 14 fl oz of the base paint with 14 fl oz of flattener.

Gallon Size. Replace 42 fl oz of the base paint with 42 fl oz of flattener.

FT-PT 16 Fl oz



URETHANE REDUCER UE-820

A solvent blend for use in Aero-Thane according to directions on base component listing.

**UE820-QT
UE820-GAL**

URETHANE RETARDER UR-826

A blend of slow-drying solvents for use in Aero-Thane and urethane varnish to retard the surface drying time. UR-826 Retarder may be added at 1 to 6 liquid ounces per gallon catalyzed enamel when necessary to delay surface drying and provide smooth flow-out.

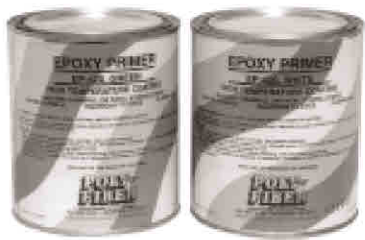
**UR826-QT
UR826-GAL**

URETHANE CATALYST U-865

An aliphatic polyisocyanate in a solvent blend for use in Aero-Thane and urethane varnish. Refer to directions on the base component listing. Urethane catalyst is furnished separately.

**U865-1/2PT
U865-QT**

NOTE: Always refer to the Poly-Fiber Manual for detailed application instructions.



EPOXY METAL PRIMER EP-420 GREEN OR WHITE

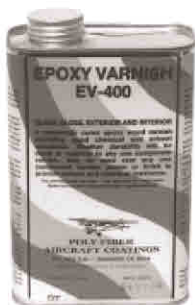
A superior quality amine-cured, corrosion-inhibiting, fast-drying primer providing excellent chemical and solvent resistance. Bonds to all metal surfaces better than any other type of field-applied coating.

COVERAGE: One gallon primer base component catalyzed and reduced to spray viscosity will cover approximately 1000 sq. ft., one coat.

PACKAGING: Each component is sold separately.

Recommended unit ratios: 1 quart EP-420 base component, 1 pint EP-430 catalyst and approx. 50% p/n E-500 reducer.

EP420-GREENQT
EP420-GREENGAL
EP420-WHITEQT
EP420-WHITEGAL



EPOXY VARNISH EV-400 CLEAR GLOSS, EXTERIOR AND INTERIOR

A polyamide-cured epoxy wood varnish providing good chemical and solvent resistance. Weather durability will be equal or superior to any one component varnish. May be used over any one-component varnish, primer, or finish to provide solvent and chemical resistance. **COVERAGE:** One gallon Epoxy Varnish Base Component catalyzed and reduced 25% will cover approximately 600 sq. ft. with one coat.

PACKAGING: Each component is sold separately, or packaged in a kit. Recommended unit ratios: 1 quart EV-400 base component, 1 pint EV-410 catalyst, and up to 25% p/n E-500 reducer.

EV400-QT
EV400-GAL

FINISHING METAL SURFACES

We recommend stripping any old finish and repriming with EP-420 Epoxy Primer. Epoxy primer must be scuff sanded to provide tooth adhesion before recoating with Poly-Tone, regardless of the cure time. Refer to Poly-Fiber Metal Finishing literature for information on preparation and corrosion protection.

EPOXY COMPANION PRODUCTS

EPOXY REDUCER E-500

A blend of solvents for use in EP-420 Epoxy Primer and EV-400 Epoxy Varnish according to directions on base component listing.

E500-QT
E500-GAL

EPOXY RETARDER E-502

Add to Epoxy Primer and Epoxy Varnish as needed, up to four ounces per quart, to extend the drying time.

E502-QT

EPOXY ACCELERATOR EX-501

A chemical curing accelerator for use in EP-420 Epoxy Primer and EV-400 Epoxy Varnish according to directions on base component listing. Reduces polymerization time, not solvent evaporation.

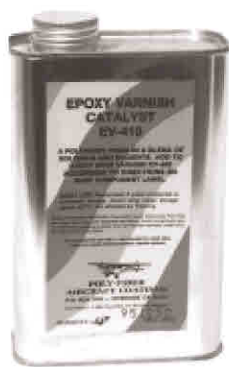
EX501-1/2PT



EPOXY PRIMER CATALYST EP-430

An amine resin in a solvent blend for use in EP-420 Epoxy Primer according to directions on the base component listing.

EP430-PT
EP430-QT



EPOXY VARNISH CATALYST EV-410

A polyamide resin in a blend of solvents and diluents. Add to Epoxy Varnish EV-400 according to directions on base component listing.

EV410-PT
EV410-QT

NOTE: Always refer to the Poly-Fiber Manual for detailed application instructions.



SUPERFIL

An ultra lightweight corrosion-inhibiting filler for aircraft, marine, and automotive use. Adheres to composites, bare aluminum, steel, and bare or varnished wood. Epoxy resin with non-MDA hardener. Ships as non-hazardous. Apply EP-420 Epoxy Primer directly over SuperFil.

PACKAGING: Quart kit (yields 1 quart).

SUPEPOX-1QTKIT



**ALUMA-DYNE E2311
ETCHING AND
BRIGHTENING CREAM**

Phosphoric acid etch and brightener. Will not drain from vertical or inverted surfaces. Alternate to E-2310. An exclusive formula, all-purpose brush-on, wash-off cream cleaner, brightener, and paint preparation for all aluminum surfaces. Will clean and remove light oil, natural oxides, weathering stains, and light corrosion while etching to provide a firm primer bond. Restores new aluminum appearance. Non-flammable. One quart Aluma-Dyne E-2311 will treat approximately 150 sq. ft. of surface area.

**E2311-QT
E2311-GAL**



**ALUMA-DYNE E-2300
CONVERSION COATING**

A brush-on chromic acid treatment to improve corrosion protection on all aluminum surfaces and to improve primer adhesion. Aluma-Dyne E-2300 chemically accelerates the formation of the natural passive oxide film (technically a ceramic) on aluminum surfaces to resist galvanic corrosion by blocking any electrochemical action. Conversion coating action of Aluma-Dyne E-2300 is invisible and no color change will be noticed.

One quart Aluma-Dyne E-2300 will treat approximately 250 sq. ft. of surface area.

E2300-QT



**ALUMA-DYNE E-2310
PHOSPHORIC ACID ETCH
AND BRIGHTENER**

An effective all-purpose brush-on, wash-off cleaner, brightener, and paint preparation for all aluminum surfaces. Will clean and remove light oil, natural oxides, weathering stains, and light corrosion while etching to provide a firm primer bond. Restores new aluminum appearance. Concentrated solution dilute before using. Refer to Poly-Fiber metal finishing literature for complete information on metal finishing and corrosion control. One quart Aluma-Dyne E-2310 will treat approximately 250 sq. ft. of surface area.

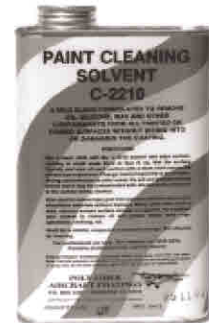
**E2310-QT
E2310-GAL**



**METL-SOL C-2200
METAL SURFACE CLEANER**

A strong solvent blend especially formulated to remove oil, silicone, wax, and other contaminants from all metal surfaces before priming. Not recommended for paint surfaces or to clean overspray off acrylic windshields due to fast bite and damage.

**C2200-QT
C2200-GAL**



**PAINT CLEANING
SOLVENT C-2210**

A mild blend formulated to remove oil, silicone, wax, and other contaminants from all painted or primed surfaces without biting into or damaging the coating. Also used to remove tape gum from painted surfaces and acrylic windshield materials without damage.

**C2210-QT
C2210-GAL**

NOTE: Always refer to the Poly-Fiber Manual for detailed application instructions.



TUBESEAL INTERNAL TUBING CORROSION INHIBITOR

Tubeseal is a blend containing a very fine preservative oil (REF: MIL. SPEC. L-21260), which has a characteristic of climbing the tube wall and spreading over the entire surface to provide lasting protection. Prevents rust and corrosion inside aircraft tubing structures. Tubeseal will penetrate and reveal very small pin holes in a weld and, in time, due to exposure, congeal and seal the hole. One quart is sufficient to treat a 1- to 4-place aircraft fuselage and miscellaneous tubular components.

TUBESEAL-PT
TUBESEAL-QT



ANTI-CHAFE TAPE

Any sharp edge or structural feature that might cut or poke through the fabric should be covered with cloth sticky-back anti-chafe tape. It is self adhesive and easy to use. It should go over rivet heads, metal seams, and sharp edges that could cut the fabric. Let your sense of touch be your guide. If you feel something sharp or pointy, put some tape on it. NEVER use paper masking tape, duct tape, or aluminum-faced tape instead of genuine Poly-Fiber anti-chafe tape. All of these retain water and will bring about rust or corrosion on metal under them.

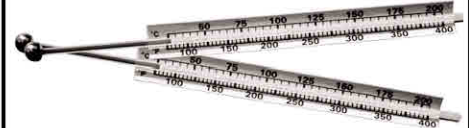
P/N 13-24 per ROLL



HEAT SEALING IRON

165-watt heat sealing iron used to smooth edges of trim tapes and patches, heat form fabric around corners, and remove fold creases.

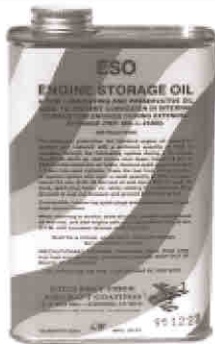
P/N 13-27



CALIBRATION THERMOMETER

Made specifically for calibrating irons. Scale is printed with 225°, 250° and 350° settings. ±10 accuracy. Superior to open coil thermometers which may vary 30°.

P/N 13-29



ESO ENGINE STORAGE OIL

A fine lubricating and preservative oil used to prevent corrosion in internal combustion engines during extended storage (REF: MIL-L 21260).

ESOENGINE-QT
ESOENGINE-GAL



POLYESTER PADDING

NON-WOVEN, 45" wide, 3 oz. per yard. Used under fabric on wind leading edge and turtle deck to smooth rough surfaces. .125 thick, compresses to .020 under load.

P/N 13-26 per LINEAR YARD



SILICONE HEAT SINK COMPOUND

For more accurate transfer of heat from the iron to the thermometer.

P/N 13-28

MEK Methyl Ethyl Ketone

The universal fixer solvent that cuts many of the Poly-Fiber vinyl products. It's used to unglue fabric-to-fabric and fabric-to-airframe bonds. It'll also remove any of the four Poly-Fiber vinyl products at any point in the process, and it's handy during repairs too. However, it's too harsh to be used as a reducer.

P/N MEK-4L per 4 L CAN
P/N MEK-20L per 20 L PAIL



PRACTICE KIT

A practice frame plus coatings to cover it at least twice through the Poly-Spray stage. Includes a simplified manual, thermometer, rib lacing needle, and materials to learn and practice rib lacing.

P/N 13-45 per EACH

DRAIN GROMMETS

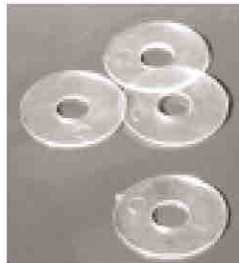
Airplanes get water in them, and that water needs to get out. Each bay of a wing, tail feather, or fuselage must be allowed to drain. Drain grommets come in three types:



ALUMINUM DRAIN GROMMETS

Aluminum grommets. These have the longest service life, but need dollar patches in propwash areas. 1/4" hole x 3/4" outside diameter x .010 thick. Will not melt or curl and warp with age and are reusable. Attach with Poly-Tak. Bag of 100.

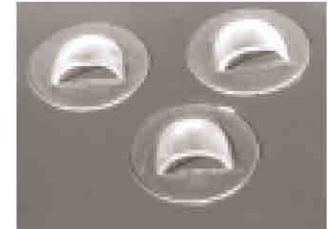
P/N 11-44A per BAG



PLASTIC DRAIN GROMMETS

Plastic grommets. These glue well, but can get brittle over the years. Injection molded from CAB plastic. 7/32" hole x 3/4" outside diameter x .030 thick. Attach with Poly-Tak. Bag of 100.

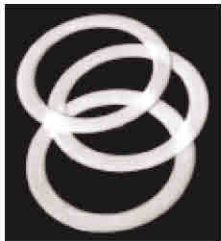
P/N 11-43F per BAG



SEAPLANE GROMMETS

Seaplane grommets. These are plastic and have a little vented hood over them that helps siphon water out. Molded CAB plastic, 1-1/8" outside diameter x .032 skirt with 9/16" x 3/16" lip opening. Attach with Poly-Tak.

P/N 11-43S per EACH



INSPECTION ACCESS REINFORCING RINGS

Injection molded from CAB plastic. Beveled edges, 4-5/8" outside diameter x 3-7/16" inside diameter x .035 thick.

P/N 11-27 per EACH



INSPECTION HOLE COVERS

Recessed-center and flanged-edge design will not creep off center due to vibration in prop wash areas. 4-13/16" dia., .020 aluminum. Strong 11/16" steel spring strap mounted with two 1/8" solid aluminum rivets.

P/N 11-35 per EACH



ALUMINUM REINFORCING WASHERS

Recommended as a substitute for original plastic washers under screws and pop rivets where fabric is anchored to metal wing rib empennage ribs. 2024-T3 aluminum, .128 hole 1/2" outside diameter x .016 thick. Bag of 100.

P/N 12-90 per BAG



BLIND RIB RIVETS

All-aluminum 1/8" dia. body - 3/8 dia head - .031 to .125 grip range 156 lbs shear - 235 lbs tensile. Used to attach fabric to ribs on 1967 and later Champion/Belanca aircraft with .032 x 1/2" wide rib caps. Bag of 100.

P/N 12-95 per BAG



CLOSED END BLIND RIVETS

Used to seal tubing vent holes after welding and installation of Tubeseal Corrosion Inhibitor. Bag of 100.

P/N 13-43 per BAG

