

COMPOSITE TOOLS

AIRCRAFT DESIGNER APPROVED TOOLS

The tools offered in this section have been selected by professional aircraft designers and builders as being either necessary or highly desirable for working with composite structures.

CM



HOMEBUILDERS SPECIAL HOTWIRE KIT

An excellent new hot wire system consisting of a controller and transformer. Recommended by Rutan Aircraft Factory as a good system at a very economical price.

P/N 01-15600



SAFETY WIRE

Type 302 stainless steel safety wire, for hot wire cutter. This is superior to nichrome wire, which is brittle and breaks easily. Specify .032" or .041" diameter wire.

1 Lb. Spool/P/N 05-02687



INCONEL 600 HOT WIRE

Does not stretch. Excellent for hotwiring polystyrene foam.

.032" Dia. Wire

P/N 01-15805 ft.

.041" Dia. Wire

P/N 01-15810 ft.



MUSIC WIRE

Music wire is high carbon steel and although very high in tensile strength, must be capable of wrapping around itself without showing signs of cracking. 156 ft. of .049" dia. wire per lb., 46 ft. of .090" dia. wire, per lb. 22 Ga.

Price is per pound.

.049" Dia. (1 lbs.)

P/N 03-49500

.090" Dia. (32Ga., 1lbs.)

P/N 03-49600



TYPE 302 STAINLESS SPRING WIRE

062" Dia. P/N 03-49610 ft.



SPATULAS

When you need to apply sealant or remove it, the spatula is perfect for use. Our team here at Crew Tool recommends using it on curved surfaces where liquids can be easily absorbed and lifted off with ease. Its flat edges allow for easy spreading of materials.

Description	Dimensions	PN	Price
#1 Double Ended Spatula - Red	L - 7", Thickness - 3/16", Wide Tip - 3/8", Short Tip 3/16"	12-06555	.
#2 Double Ended Spatula - Red	L - 7", Thickness - 3/16", Wide Tip - 3/16", Short Tip 9/32"	12-06556	.
Double Ended Orange Spatula Nylon GF	L - 7", Thickness - 3/16", Wide Tip - 1/8", Short Tip 9/32"	12-06557	.
#3 Double Ended Spatula - Red	L - 7", Thickness - 3/16", Wide Tip - 1/2", Short Tip 3/8"	12-06558	.
Spatula 3 Pack- #1 #2 And #3 Spatula - Red	Overall Length - 7"	12-06559	.
Spatula 3 Pack - #1 #2 And #3 Spatula - Blue	Overall Length - 7"	12-06560	.
9 Inch double Ended Scrape - Nylon Gf - T-Shaped Tip	Overall Length - 9"	12-06575	.
Long Double Ended Spatula	L - 9", Thickness - 3/16", Wide Tip - 9/16", Short Tip 9/32"	12-06576	.
Long Spatula Nylon GF- Orange	L - 9", Thickness - 3/16", Wide Tip - 9/16", Short Tip 9/32"	12-06577	.
Long Spatula - Glow In The Dark	L - 9", Thickness - 3/16", Wide Tip - 9/16", Short Tip 9/32"	12-06578	.

MICHAEL ENGINEERING EPOXY RATIO PUMPS



This highly recommended pump, aptly called "Sticky-Stuff Dispenser", will save about \$50 in epoxy in building a VE type aircraft, plus time, mess, dermatitis, temper and risk of bad batches. Used by individual craftsmen and professionals alike, it is a practical engineering tool especially designed to eliminate the sticky, messy, costly hand proportioning of epoxy resins. It is well built and should last through the construction of dozens of aircraft. The Sticky-Stuff Dispenser assures accurate measurement of low-viscosity (under 3,500 centipoises) unfilled epoxy resin. The standard Model A dispenser pump delivers a ratio of 100 parts of resin to 44 parts of hardener.

Note: This pump is for a 2:1 ratio. 4:1 ratio is available, please request in special instructions at time of checkout.

Adjustable Ratio Pump.....P/N 01-16010

Rebuild Kit for 45:100 pump.....P/N 01-00504

Small round replacement container (qt)P/N 01-15920

Large square replacement container (gal) ..P/N 01-15910

Stainless Steel Check Valve

(Use with Jeffco epoxies).....P/N 01-00258

COMPOSITE MATERIALS PRACTICE KIT



All designers highly recommend that builders who are considering a composite project purchase this practice kit. It contains the excellent 26 page 11" x 17" manual by Burt Rutan entitled MOLDLESS COMPOSITE SANDWICH HOMEBUILT/AIRCRAFT CONSTRUCTION (\$14.50) plus the assorted foams, epoxy, fiberglass, filler materials and supplies with which to work. Everything needed to practice the technique of composite building before venturing into a complete aircraft project.

Practice Kit with Manual.....P/N 01-15000

Practice Kit without Manual.....P/N 01-15100

International Practice Kit with Manual.....P/N 01-15050

Same as Practice kit with the manual, but excludes the epoxy for international shipping.

COMPOSITE TOOL KIT



This kit includes an assortment of many of the commonly required tools used in composite construction.

****Note: not all items shown in picture****

QTY.	PART NO.	DESCRIPTION
1.....	01-00397	Glass Shears
1 box.....	01-25800	500 Mixing Sticks
2 boxes.....	01-25700	12 oz. Mixing Cups
2 boxes.....	01-25710	16 oz. Mixing Cups
10.....	01-24899	3" Plastic Squeegee
10.....	09-21200	1" Disposable Brushes
10.....	09-21300	2" Disposable Brushes
1.....	12-01580	Electronic Scale
2 boxes.....	01-36550	Latex Gloves
1.....	GLR123D	1/2" x 3" Laminating Roller
1.....	GLR12C	1/2" Corner Roller
1.....	GLR26	2" x 6" Plastic Grooved Roller

P/N 01-00166