

RANS S-7S Courier

AIRCRAFT TOOL LIST

The following is a list of tools that will be helpful when assembling your RANS aircraft.

HAND TOOLS

Pliers	Safety Wire Pliers
Needle Nose Pliers	Linesman Pliers
Side Cutters	Electrical Wire Strippers
Aviation Snips	Pop Rivet Tool
Hammer	Click Punch
Rubber Mallet*	Ball Peen Hammer
Center Punch	Scratch Awl
Drift Pin & Punch Set	Screwdriver Set
Several Small Clamps (Stanley quick clamps work well)	Safety Glasses
Wrench Set SAE & Metric	Socket Set – SAE & Metric
Ruler & Tape Measure	2 or 4 ft. Level
Adjustable Fly Cutter*	Utility Knife
Set of Drill Bits (sizes listed below)	Hole Saw*
Hack Saw	Files
1/2" Uni-Bit® Step Drill	Fluting Pliers
Scotch-Brite Pads	Digital Protractor*
Pop Grip Dimpler for 1/8" holes	

POWER TOOLS

Electric Hand Drill	Small Electric Grinder
Dremel*	Bench Disk Sander*
Soldering Gun/Hot Knife	Heat Gun*
CD/MP3 Player*	Right Angle Drill and Bits

It is highly recommended to use a pneumatic riveter.
 These are the pneumatic riveters that we use at RANS.
 Marson V2 lightweight pneumatic riveter P/N 79014
 MSC Industrial Supply Co. P/N 04053278

LUBRICANTS, ADHESIVES , TAPES & ETC

Small Can Lithium Grease	Clear Silicone
Contact Cement	WD40
Super Glue	Lubricating oil
3M DP-460 Epoxy Adhesive, Plunger & Mixer Tips	DOW 730 Sealant or similar
3M 2216 Epoxy Adhesive	1/4" wide Double Stick Tape
1" Acrylic Foam Tape (2-sided)	Hi-Temp Silicone Seal (RED)
Safety Wire	

DRILL BIT SIZES

A full set of fractional drill bits ranging from 3/32" to 5/8" is strongly recommended. In addition to these the following number bits will be required to assemble your S-7S Courier.

NUMBERED BITS

#40

#30

#11

#28

#21 & 10-32 TAP

FRACTIONAL BITS

1/4"

5/16"

3/8"

1/2"

7/8"

*Not a necessary tool but helpful