

A Contraction of the second se	"EASY BEADER" TUBING BEADERThese tubing beaders produce a properly positioned and radiused raised bead on aluminum tubing with wall thicknesses from .035" to .065".Easy to use, just insert into end of tube, screw in bolt that expands rollers, and turn tool with a wrench.Four (4) sizes available; measure outside diameter of tubing.PART # TUBING O.D. X WALL THICKNESS PRICE / ea.8853/8".035"\$ 30.008861/2".052"\$ 35.008875/8".065"\$ 40.008883/4".065"\$ 45.00890SET OF ALL 4 BEADERS\$ 139.00 / set
	ECONOMY RIV-NUT TOOLSEconomy riv-nut installation tools. Easy to use, just screw riv-nut on tooland insert into hole, hold tool base with a wrench, and tighten jackscrewwith allen wrench (included with tool).>>Three (3) sizes available.PART #THREAD SIZEPRICE / ea.8226-32\$ 45.008248-32\$ 45.0082610-32\$ 45.00830SET OF ALL 3 RIV-NUT TOOLS\$ 125.00
NEW	SPEED DRIVER RIV-NUT TOOLSHigh speed heavy duty tool for installing riv-nuts. Easy on & off thread- ing of riv-nuts with push-pull knob. >>Three (3) sizes available.PART #THREAD SIZEPRICE / ea.8616-32\$ 115.008628-32\$ 115.0086310-32\$ 115.00Replacement mandrel assemblies for above (handle same on all three).8668678-32\$ 27.0086810-32\$ 27.00
	PAINT_CUTTERSNew tool that solves a problem on painted surfaces when the screws have been painted over and have to come out. In the past, removing a painted screw resulted in chipped paint around the screw hole, and touching up the paint was difficult to impossible. These tools are designed to guide off the phillips slot of the screw and cut a ring in the paint around the head of the screw before the screw is removed, reducing the chance of excess paint chipping. Tool has 1/4"28 threads use arbor listed below or our hex adapter (shown on page 39). >>Four (4) sizes available.PART #SCREW SIZEPRICE / ea.6511# 4\$ 30.006512# 6\$ 30.006513# 8\$ 30.006514#10\$ 30.006525SET OF ALL 4 PAINT CUTTERS\$ 110.00 / setARBOR for Paint Cutters PART # 6528 PRICE: \$ 8.00 ea.

	NOXON "NO HAMMER NEEDED" PUNCH
	NOXON's revolutionary punch makes center punching a Snap!! <u>This punch is a combination center punch / prick punch built into one tool (double ended punch).</u>
	The prick punch end creates a slight, accurate indentationfor spot marking. The center punch end creates a deeperindentation for drill starts.Energy is stored as the spring is stretched & when theplunger is released, all the energy goes to where you pointthe punch. Simple & easy to use.Constructed of hardened steel with ringed ends for sure grip.PART # 3200-1PRICE: \$ 11.00 ea.
	AUTOMATIC CENTER PUNCH
	Automatic ball bearing action. Spring tension is adjustable. Machined aluminum body + heat treated alloy steel parts. Dimensions: 5/8" dia. X 5" length. U.S. made. PART # 77 PRICE: \$ 14.00 ea.
	DRIVE PIN PUNCH SET — 8 PIECE <u>GENERAL brand / U.S. MADE.</u> Eight (8) piece set of tool steel punches. Punches are 4" long with knurled bodies. Heat treated and centerless ground diameters. Ends are ground square. Includes wooden storage case.
	<u>PUNCH_SIZES:</u> One (1) each of the listed sizes:
S-75 CERTER	1/16" 3/32" 1/8" 5/32" 3/16" 7/32" 1/4" 5/16"
and the second sec	PART # 755 PRICE: 34.00 / set
	<u>INDIVIDUAL — DRIVE PIN PUNCHES (popular sizes)</u>
	PART # SIZE PRICE / (ea.)
A CONTRACTOR OF A CONTRACTOR OFTA CONTRACTOR OFTA CONTRACTOR OFTA CONTRACTOR O	756 1/16" \$ 4.00
	757         3/32"         \$ 4.00           758         1/8"         \$ 4.00
	NCH LISE TIPS

## PUNCH USE TIPS

If you have a rivet that will not go in a hole, use a punch to align holes in mating parts — just insert the punch in the hole and twist around in a circular motion and this will pull the parts together in alignment. If the rivet is still tight, you can repeat with a little more circular force and the punch motion will actually enlarge the hole slightly -- (practice this slowly so you don't oversize the hole).

When removing rivets drill into the rivet head to a depth equal to the height of the head (caution — any deeper may damage the hole in the part) and use a punch the size of the drill to break or snap off the rivet head; then drive the rivet shank out with the punch. You may need to back up the rivet when punching it out -- a simple method is to use a block of wood or plastic with a drilled hole large enough for the rivet shank to fall into. The block supports the area around the rivet + does not mar the surface; however, this may take an extra hand to accomplish.

## MILBAR SAFETY WIRE TWISTERS

QUALITY U.S. MADE for the professional mechanic. MILBAR tools are manufactured to exacting engineering specifications. These wire twisters are designed to last for years. Different nose configurations, Diagonal (standard); Tapered, and Square are provided to complement specific applications and user preference. The spring return feature automatically retracts the twist rod to ease and speed the work.



### **REVERSIBLE - AUTOMATIC RETURN**

#### TIGERWAVE

Unique "wave" jaw design eliminates cuts and nicks in wire. Cushion throat holds clipped wire. Reversible action for Left and Right twists. Auto spring return.



PART #	DESCRIPTION	PRICE:
25W	6" Tiger Wave Reversible	\$ 88.00
26W	9" Tiger Wave Reversible	\$ 93.00
45W	6" Diagonal Nose Reversible	\$ 81.00
41W	9" Diagonal Nose Reversible	\$ 84.00

#### AUTOMATIC RETURN



PART #	DESCRIPTION	PRICE:
9WS	6" Tapered Nose	\$ 68.00
11WS	6" Diagonal Nose	\$ 68.00
1W393	9" Diagonal Nose	\$ 71.00
5W4	9" Left Hand Twist	\$ 71.00

#### MANUAL RETURN



PART #	DESCRIPTION	
9W	6" Tapered Nose	

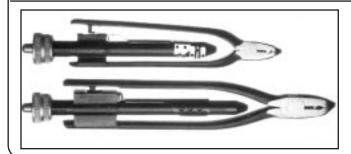
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PRICE:
$ 65.00
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>>other sizes and styles available please call or see our web site for more info.

## AIRCRAFT SAFETY WIRE - STAINLESS STEEL

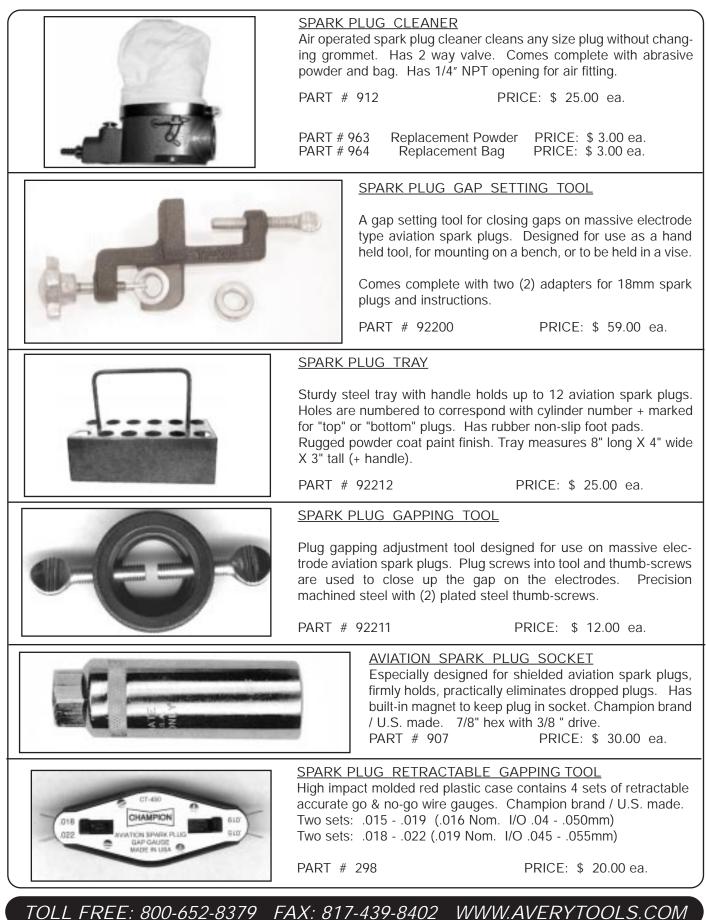
Stainless steel safety wire. Use to secure bolts, nuts or parts subject to vibration & loosening. Type 302 / Conforms to Mil. Spec. MS-20995C & Mil-w-6713. Available in 1 pound dispenser cans.

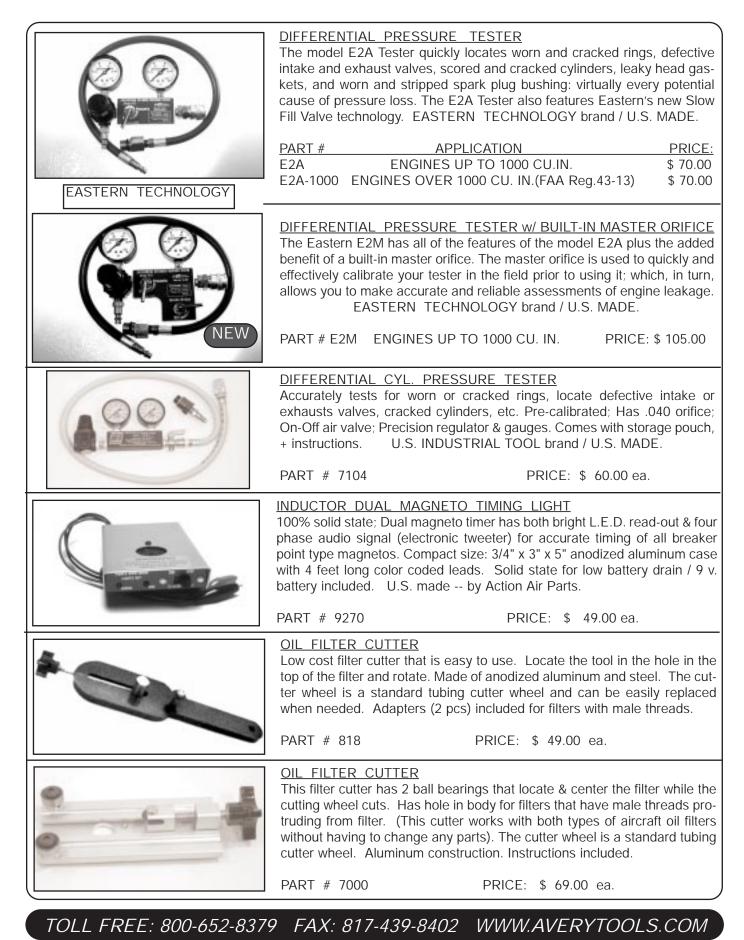
<u>PART</u> #	WIRE DIA. / LENGTH	PRICE / ROLL
19WA	.032 dia. X 366 ft.	\$ 11.00 ea.
20WA	.041 dia. X 223 ft.	\$ 11.00 ea.



SAFETY WIRE TWISTERS - (IMPORT) An inexpensive alternate to the wire twisters shown above. Wire twisters come with diagonal nose configuration & automatic spring return. These quality import twisters will hold up for years of use by the average pilot / mechanic. >> Two (2) sizes available.

PART # 2W	6" inch	PRICE:	\$ 25.00 ea.
PART # 3W	9" inch	PRICE:	\$ 25.00 ea.





(		DIE SETS FOR SETTING BRAKE RIVETS
	ED	Use your hand or pneumatic squeezer, or the Avery Rivet & Dimple Tool to set Cleveland brake rivets when re-lin- ing your brake pads. No need to have a separate brake rivet tool.
		Includes two (2) sets with .187" dia. shanks All you need is a 3/16" drill bit, a small socket, a small pin punch, and a hammer.
PART # 4625 PRICE: \$ 15.00	/ set	>>> Detailed instruction sheet included.
		BRAKE PAD & RIVET KIT
		This kit is for popular 5.00 X 5 Cleveland brakes (fits RV's and most experimental aircraft with 5.00 X 5 wheels).
000		FAA/PMA approved replacements Rapco brand 3 holes in each pad. Kit includes four (4) pads and (12) rivets.
		PART # 66-106 PRICE: # 35.00 / kit
		BRAKE_RIVETS Extra rivets for the (above) Rapco brake pads. 1/8" riv- ets (#105-00200 / #MS16625-1081). >12 rivets per bag.
		PART # 1081 PRICE: \$ 3.00 / bag
	Heavy duty Simply mo the old rive screw feet brake pads with rivet r 3" long X PART # 4 REPLA Replace during to	INING_RIVET_TOOL         y tool for replacing brake pads (like pads shown above).         unt the tool in a vise, use the rivet removal punch to remove         ets, use the anvil and rivet set to set the new rivets. The         d gives complete control and helps eliminate damaging         s. Heavy duty cast steel frame, "T" handle screw, supplied         emoval punch, anvil, and rivet set for 1/8" brake rivets.         1" wide X 4" tall.       1.2 lbs.         4633       PRICE: \$ 26.00 ea.         CEMENT_RIVET REMOVAL PUNCH         ement punch is available should you break or bend yours         use.       Keep a spare on hand with the tool.         4633P       PRICE: \$ 6.00 ea.
	Someday clean & g safer tha jack at tl modificat jack arm nuts. L	K STAND KITy you'll need to jack up your aircraft for install new tires, grease wheel bearings, or fix a flat. This nifty jack stand is n using the engine hoist on the engine strap, and putting a ne wing tie down location can also be scary. Requires a ion to the axle nuts (about 1 hour). Kit includes the axle , axle modification hardware, & directions to modify the lses automotive bottle jack. (Jack not included).# 561-1PRICE: \$ 35.00 ea.
TOLL FREE: 800-652-8379 F	-AX: 817 6	7-439-8402 WWW.AVERYTOOLS.COM

MEGAIESIER	MAGATESTERAluminum Flashlight with built in tester. Use as a flashlight or as a tester without changing parts. Remove clip and use your mini flashlight to quickly test switches, cir- cuit breakers, receptacles, fuses and wires. Works on all un-energized circuits: home, car, plane, and more. With clip in place, use as normal mini flashlight. Come with a testing guide, 2 holsters, also 1 spare bulb in end cap.EWPart # 6319Price: \$ 14.50 ea.
Part # 2885 Set of All 4 PRICE: \$ 85.00	CYLINDER BASE WRENCHES Cylinder base wrenches for 1/2" square drive. Hex heads are extra thin for easy access over the cylinder bolts. Made from alloy steel forgings / heat treated for long life. Four (4) piece set has 1/2", 9/16", 5/8", & 3/4" wrenches.>> Available < As a 4 piece set or Individually (at right)INDIVIDUAL SIZES SIZE PART # 9/16" Hex # 2881 \$ 25.00 ea. 5/8" Hex # 2883 \$ 25.00 ea. 3/4" Hex # 2884 \$ 25.00 ea.
	CYLINDER BASE SOCKET TYPE WRENCHESCylinder base wrenches for Lycoming engines with sockettype nuts (internal wrenching).Made from alloy steel forg-ings / heat treated for long life.For 1/2" square drive.PART #SIZEPRICE / ea.494249433/8" hex\$ 55.004945SET of Both\$ 95.00
	ROD END BEARING ADJUSTING TOOLTool designed for installing and removing rod end bearings without damage to the bearing, when screwing rod end bearing into nut- plates. Tool puts the pressure on the housing - not the bearing. Precision machined tool has 2 different width slots (3/8" & 7/16" wide) machined in either end to match the (2) common sizes for rod end bearings (5/16-24 & 3/8-24) common to RV aircraft. >> Comes with drive handle.PART # 408PRICE: \$ 13.00 ea.
	ENGINE MOUNT INSTALLATION ALIGNMENT PINSAlignment pins for use in installation of Barry engine mounts on air- craft engine. Pins go in holes ahead of bolts to help align every- thing without damaging bolts.Pins are 7/16" (.437") diameter steel with a machined concave recess in the large end; and are machined with a taper to a bullet nose on the smaller end. >>> (2) pins + instructions.PART # 282PRICE: \$ 10.00 / set



"CLICK" TYPE TORQUE WRENCHES

Drop forged, heat treated chrome vanadium steel ratcheting head, with chrome plated alloy steel body. Sealed mechanism for greater accuracy and longer calibration. Micrometer adjusting - no pointer or dial to monitor. Knurled handle for sure grip. Lock nut holds torque setting. Complete with instructions, torque conversion chart, and plastic storage case. 11" overall length.

PRICE: \$ 65.00 ea.

PRICE: \$ 75.00 ea.

>> Two sizes / torque ranges available.

PART # 2432 1/4" Drive 20-200 In-pounds

PART # 2436

3/8" Drive 120-960 In-pounds (10-80 Ft-pounds)

	TECHNICAL INFORMATION / TORQUE VALUE CONVERSION TABLES														
	TORQUE VALUE CONVERSIONS METRIC TORQUE VALUE CONVERSIONS														
Ft-Lb	to In-Lb	<u>Ft-Lb</u>	to In-Lb	In-Lb	to Ft-Lb	In-Lb	to Ft-Lb	Ft-Lk	o to N-m	Ft-Lb	to N-m	In-Lb	to N-m	In-Lb t	o N-m
1	12	40	480	1	.08	60	5.00	1	1.36	40	54	1	.113	60	6.78
2	24	50	600	2	.17	80	6.66	2	2.7	50	68	2	.226	80	9.04
3	36	60	720	3	.25	100	8.33	3	4.1	60	81	3	.339	100	11.3
4	48	70	840	4	.33	200	16.66	4	5.4	70	95	4	.452	200	23
5	60	80	960	5	.42	300	24.99	5	6.8	80	108	5	.565	300	34
6	72	90	1080	6	.50	400	33.33	6	8.1	90	122	6	.678	400	45
7	84	100	1200	7	.58	500	41.65	7	9.5	100	136	7	.791	500	56
8	96	110	1320	8	.67	600	50.00	8	10.8	110	149	8	.904	600	68
9	108	120	1440	9	.75	700	58.31	9	12.2	120	163	9	1.02	700	79
10	120	130	1560	10	.83	800	66.64	10	13.6	130	176	10	1.13	800	90
20	240	140	1680	20	1.67	900	74.97	20	27	140	190	20	2.26	900	102
30	360	150	1800	40	3.33	1000	83.33	30	41	150	203	40	4.52	1000	113



## COMPASS ADJUSTING TOOL

This compass screwdriver is totally non-magnetic. Hex aluminum handle with stainless steel blade insert -- stronger than brass or all-aluminum tools + great for other applications where you need a small blade screwdriver.

PART# 8505

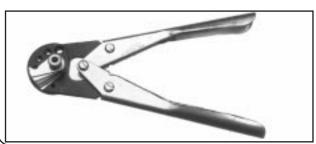
PRICE: \$ 6.00 ea.

<u>RIVET</u> <u>CUTTERS</u> Quality steel construction. Hardened steel cutting edges for long life of the tool. U.S. Made.

## LIGHT DUTY MODEL

Cuts 3/32" to 3/16" aluminum rivets. Has adjustable stops for cutting rivets in 1/16" increments.

PART # 1300 PRICE: \$ 22.00 ea.

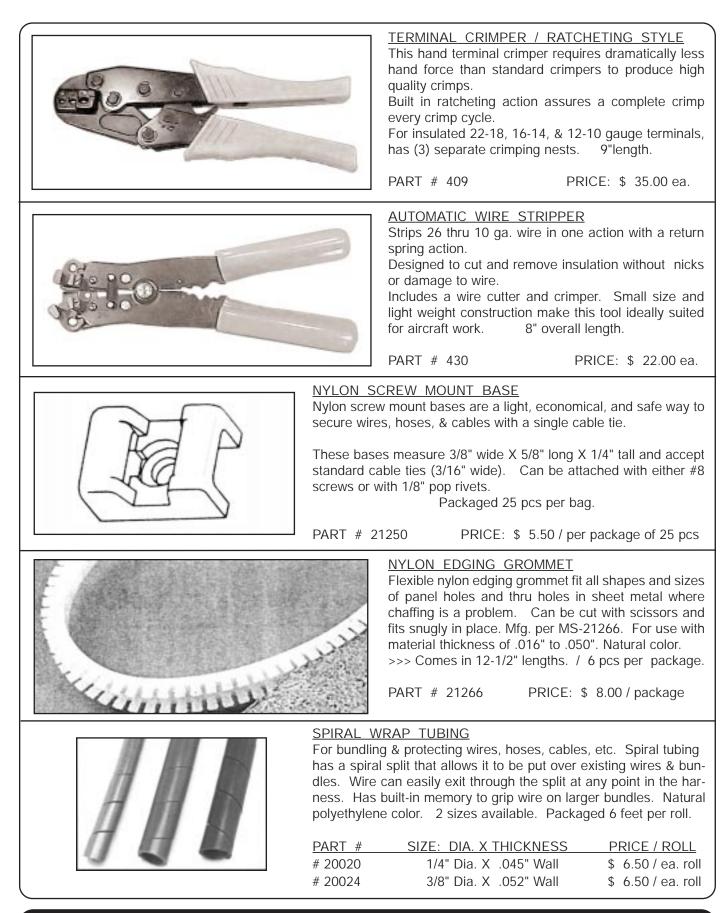


#### HEAVY DUTY MODEL

Cuts 3/32" to 1/4" aluminum rivets. Has adjustable stops for cutting rivets from 1/4" to 3/4" in 1/16" increments.

PART # 1310 PRICE: \$ 59.00 ea.







	FIREWALL "EYEBALL" BULKHEAD CARRY THROUGH ASSY.         Makes rubber grommets obsolete. All metal assembly makes a clean an sturdy fireproof installation. Clamping action of split aluminum ball prevent movement of cable. Stainless steel backplate measures 2-1/16" X 1-7/16         Ball swivels to 50° degrees. Split ball measures 1" diameter. Ball can b drilled out for odd sizes.         PART #       THRU HOLE SIZE         PART #       THRU HOLE SIZE         18125       1/8" (.125")         \$ 27.50         18250       1/4" (.250")         \$ 27.50         18260       (.260") Tachometer Cable         \$ 27.50         Quantity discount          Buy 3 or more / any size          Price: \$ 25.00 ear
NEW OF	AIR LINE MANIFOLDS Two (2) styles of manifolds to add extra air hoses."TRI-POD manifold angles 3 lines in same direction."FLAT-HEX" manifold designed for safe low profile to be set on the floor. Inlet size is 1/4" FPT. Outlet (3) sizes are 1/4" FPT. PART # 3002 "TRI-POD" PRICE: \$ 10.00 ea. PART # 3012 "FLAT-HEX" PRICE: \$ 10.00 ea.
	NEW AIR HOSE COUPLERS & CONNECTORS "Quick connect" style couplers and connectors for fast hose and tool connections. "Standard industrial interchange" type. 1/4" FPT & MPT threads. PART # 3016 1/4" male coupler PRICE: \$ 4.00 ea. PART # 3017 1/4" female coupler PRICE: \$ 4.00 ea. PART # 3018 1/4" male connector PRICE: \$ 1.25 ea.
New being shipped to aircraft manufacturers> Weighs 7 > 12 & 24aircraft manufacturers worldwide on new Lycoming engines.> 12 2 Tooth > 12 2 Tooth > Actuator: > Actuator:Purchase a SKY TEC starter and you will ben- efit from it's light, fast, reliable, next generation> Needle bold > Needle bold	YCOMING ENGINES       HALF THE WEIGHT       TWICE THE SPIN         Permanent       Magnet       Models         8 pounds       - 10 pounds less than OEM starters.         volt models to fit all Lycoming direct-drive piston engines.       & 149 Tooth models available.         etary gear reduction for high cranking torque.       tput: Typical 2.0 BHp at 90% rated battery charge.         ypical 230 ft/lbs @ 112 RPM at 90% rated battery charge.       pical 230 ft/lbs @ 112 RPM at 90% rated battery charge.         Electromechanical solenoid (with lever arm)       No Bendix Drive!         engagement eliminates high maintenance Bendix-drive.       jine twice as fast as OEM starter. Will not affect impulse-couplers.         equipment on new American Champion, Aviat, Cessna, Commander, Grob, Maule, Mooney, & Piper.       machined mount no shims!         machined cast aluminum (356-T6).       machined cast aluminum (356-T6).
	LIST PRICE: 12 VOLT MODELS \$ 499       24 VOLT MODELS \$ 649         OUR PRICE:       12 VOLT from \$ 360       24 VOLT from \$ 460         Models #s 122-12LS       Model #s 122-24LS         149-12LS       149-24LS         122-12PM       122-24PM         149-12PM       149-24PM         Note: Part # breakdown First 3 numbers = # teeth on ring gear / then 12 or 24 battery voltage         then LS or PM = location of solenoid.         >> For technical information about SKY TEC starters visit SKY TEC         @ WWW.skytecair.com         Also available: Contential / Franklin / Hi-Torque starters         call for current information!!         79         FAX: 817-439-8402       WWW.AVERYTOOLS.COM

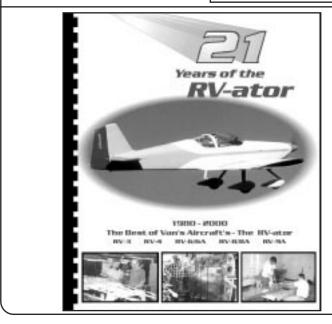
TONY BINGELIS ON ENGINES         ON ENGINES         ON ENGINES     <	BENGELIS BOOKSENGINESA treasure of practical engine information for aircraftbuilders, owners, restorers & mechanics. All the rightanswers at your fingertips.224 pages.PART # 15691PRICE: \$ 25.00 ea.FIREWALL FORWARDEngine installation methods & techniques for amateurbuilt aircraft.302 pages.PART # 69115PRICE: \$ 25.00 ea.SPORTPLANE CONSTRUCTION TECHNIQUESAn essential handbook for aircraft mechanics and aircraft homebuilders.366 pages.PART # 13950PRICE: \$ 25.00 ea.THE SPORTPLANE BUILDERAircraft construction methods for the amateur builder.Includes information on selecting an aircraft design.319 pages.PART # 30140PRICE: \$ 25.00 ea.
	<u>DOKS AND SAVE !!!</u> PRICE: \$ 80.00 / set
4 1/4 7/16-20 SAE 5 5/16 1/2-20 SAE 6 3/8 9/16-18 SAE 8 1/2 3/4-16 SAE 10 5/8 7/8-14 SAE 12 3/4 1-1/16-12 SAE	-10 -8 -6 -4 -3
"NPT" THREAD SIZES (National Pipe)         PIPE       THREADS       I.D. OF <u>THD SIZE       PER INCH       FITTING         1/8"       27       1/8"         1/4"       18       1/4"         3/8"       18       3/8"         1/2"       14       1/2"         3/4"       14       3/4"   </u>	

#### MEASURING TIPS FOR AN BOLTS

Do AN bolt length "--numbers" confuse you?? Here is the secret to how to measure bolt lengths with a scale. AN BOLT LENGTHS ARE MEASURED IN INCREMENTS OF 1/8". Example: a -4 length is 4-8ths, or 1/2"; a -6 is 6 - 8ths, or 3/4"; & a -7 is 7/8". Note that after a -7 the next size is a -10; this bolt would be 1" long. At 1" the 2 digit -- numbers start. You now read the first number as full inches & the second number as fractions of an inch in 1/8ths. Example: a -13 length is 1 & 3/8"; a -25 length is 2 & 5/8"; a - 34 length is 3 & 1/2". Note this length is measured from under the bolt head to the end of the threads. Also, note that bolt diameters are measured in 1/16ths. A -3 diameter is 3/16"; & a -4 dia. is 4/16 or 1/4". SIMPLE GRADE SCHOOL FRACTIONS !!!!!!



Airframe & Powerplant MECHANICS JIRFRAME HANDBOOK	A & P MECHANIC AIRFRAME BOOK Basic foundation for all A & P's. Published in 1970 & updated in 1976; covers airframe assembly & rigging, fabric covering, structural repairs, welding, painting, electrical, & more. AC 65's are a must for all mechanics. ORDER # 12605 \$ 23.00	Airframe & Powerplant MECHANICS POWERPLANT HANDBOOK
	A&P MECHANIC POWERPLANT BOOK Published in 1970 & updated in 1976; basic foundation for powerplant mechanics, covers piston / radial engines and related systems. AC 65's are a must for all engine mechanics. ORDER # 12608 \$ 28.00	
Airframe & Powerplant MECHANICS GENERAL HANDBOOK	A&P MECHANICS GENERAL HANDBOOKPublished in 1970 & updated in 1976; basicfoundation of general aircraft information formechanics. Covers information other than air-frames & powerplants.ORDER # 12602\$ 26.00	ACCEPTABLE METHODS TECHNIQUES, AND PRACTICES AIRCRAFT INSPECTION AND REPAIR
U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION ELANTYPEINEM	ACCEPTABLE METHODS, TECHNIQUES & PRACTICES / AC 43-13-1B RECENTLY REVISED VERSION. Combined edition of both the AC 43.13-1B & AC 43.13- 2A; to establish standards for inspection, repair & alterations. The "bible" of aircraft maintenance. ORDER # 12617 \$ 20.00	AC 43.13-18 AC 43.13-28 Combined Structures conservations manufactors conservations Electrometers



## 21 YEARS OF THE RVATOR

21 YEARS of the RVATOR is 400+ pages of back issues of the past 21 years of Van's Aircraft RV newsletters in a super-easy-to-find indexed order.

No need to ever again spend hours thumbing through stacks of old newsletters trying to find that one article you remember seeing. If you're new to RV's this book will catch you up on what you've missed.

Laid out in the order of the component kits - tail kit, wings, fuselage (pre-skin, skinning, controls, finishing, engine props, panels, etc.).

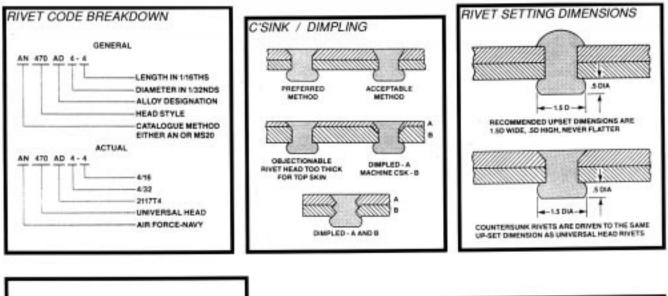
There's a section on all those neat tool ideas, then safety & accident reports, flying techniques, CG concerns, aerobatics, formation flying, & lots more.

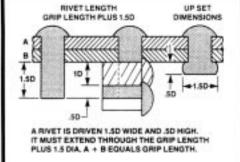
PART # 53480

PRICE: \$ 27.95 ea.

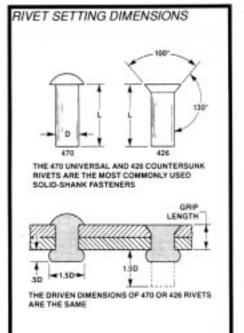
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		\$ 6.50	· · · ·	(TEXAS RESIDENTS ONLY)			
		00 \$ 8.50 R \$ 9.50		SHIPPING CHARGES (Minimum \$6.50)			
WE DO NOT HAVE	E A MINIMUM OR						
		DLING FEE OF \$ 6.50 PER ORDER. KITS ARE BASED ON ACTUAL	COD'S ADD \$6.00				
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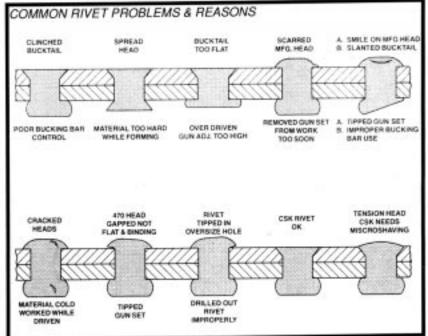
## **RIVETING TIPS & TECHNICAL INFORMATION - Copy and keep handy for quick reference**





RIVET	DRILL	CLECO	BUCKING
DIAMETER	SIZE	COLOR	BAR WEIGHT
3/32	40	SILVER	2-3.0 LBS
1/8	30	COPPER	3-4.0 LBS
5/32	21	BLACK	3-4.5 LBS
3/16	11	GOLD	4-5.0 LBS





# DECIMAL / MM EQUIVALENT CHART - Copy and keep handy for quick reference

Sizes	Decimal Inches	Sizes	Decimal Inches	Sizes	Decimal Inches	Sizes	Decimal Inches	Sizes	Decimal Inches	Sizes	Decima
97	.0059	62	.0380	37	.1040	10	.1935	7.6mm	.2992	13mm	.511
15mm	.0059	61	.0390	2.7mm	.1063	9	.1960	N	.3020	33/64	.515
96	.0063	1mm	.0394	36	.1065	5mm	1969	7.7mm	.3031	17/32	.531
16mm	.0063	60	.0400	2.75mm	.1083	8	.1990	7.75mm	.3051	13.5mm	.531
95	.0067	59	.0410	7/64	.1094	5.1mm	.2008	7.8mm	.3071	35/64	.546
17mm	.0067	1.05mm	.0413	35	.1100	7	2010	7.9mm	.3110	14mm	.551
94	.0071	58	.0420	2.8mm	.1102	13/64	.2031	5/16	.3125	9/16	.562
18mm	.0071	57	.0430	34	.1110	6	2040	8mm	.3150	14.5mm	.570
93	.0075	1,1mm	.0433	33	.1130	5.2mm	.2047	0	.3160	37/64	.578
19mm	.0075	1.15mm	.0453	2.9mm	.1142	5	2055	8.1mm	.3189	15mm	.590
92	.0079	56	.0465	32	.1160	5.25mm	2067	8.2mm	.3228	19/32	.593
2mm	.0079	3/64	.0469	3mm	.1181	5.3mm	.2087	P	.3230	39/64	.609
91	.0083	1.2mm	.0472	31	.1200	4	.2090	8.25mm	.3248	15.5mm	.610
90	.0087	1.25mm	.0492	3.1mm	.1220	5.4mm	.2126	8.3mm	.3268	5/8	.625
22mm	.0087	1.3mm	.0512	1/8	.1250	3	.2130	21/64	.3281	16mm	.629
89	.0091	55	.0520	3.2mm	.1260	5.5mm	.2165	8.4mm	.3307	41/64	.640
88	.0095	1.35mm	.0531	3.25mm	.1280	7/32	.2188	0	.3320	16.5mm	.649
25mm	.0098	54	.0550	30	.1285	5.6mm	.2205	8.5mm	.3346	21/32	.656
87	.0100	1.4mm	.0551	3.3mm	.1299	2	.2210	8.6mm	.3386	17mm	.669
86	.0105	1.45mm	.0571	3.4mm	.1339	5.7mm	.2244	R	.3390	43/64	.671
85	.0110	1.5mm	.0591	29	.1360	5.75mm	.2264	8.7mm	.3425	11/16	.687
28mm	.0110	53	.0595	3.5mm	.1378	1	.2280	11/32	.3438	17.5mm	. 689
84	.0115	1.55mm	.0610	28	- 1405	5.8mm	.2283	8.75mm	.3445	45/64	.703
.3mm	.0118	1/16	.0625	9/64	.1406	5.9mm	.2323	8.8mm	.3465	18mm	.708
83	.0120	1.6mm	.0630	3.6mm	.1417	A	.2340	S	.3480	23/32	.718
82	.0125	52 1.65mm	.0635	27	.1440	15/64	.2344	8.9mm	.3504	18.5mm	.728
32mm 81	.0126		.0650	3.7mm	.1457	6mm	.2362	9mm	.3543	47/64	.734
80	.0135	1.7mm 51	.0669	26	.1470	8	.2380	T	.3580	19mm	.748
35mm	.0138	1.75mm	.0689	3.75mm	.1476	6.1mm	.2402	9.1mm	3583	3/4	750
79	.0145	50	.0700	25 3.8mm	.1495	C 2mm	.2420	23/64	.3594	49/64	765
1/64	.0156	1.8mm	.0709	24	.1520	6.2mm D	.2441	9.2mm 9.25mm	.3622	19.5mm	.767
4mm	.0157	1.85mm	.0728	3.9mm	.1535	6.25mm	.2461	9.3mm	.3661	25/32 20mm	.787
78	.0160	49	.0730	23	.1540	6.3mm	.2480	U	.3680	51/64	.796
45mm	.0177	1.9mm	.0748	5/32	.1562	E	2500	9.4mm	.3701	20.5mm	.807
77	.0180	48	.0760	22	.1570	1/4	.2500	9.5mm	.3740	13/16	812
.5mm	.0197	1.95mm	.0768	4mm	1575	6.4mm	2520	3/8	.3750	21mm	826
76	.0200	5/64	.0781	21	.1590	6.5mm	2559	V	.3770	53/64	828
75	.0210	47	.0785	20	1610	F	2570	9.6mm	.3780	27/32	843
55mm	.0217	2mm	.0787	4.1mm	1614	6.6mm	.2598	9,7mm	.3819	21.5mm	846
74	.0225	2.05mm	.0807	4.2mm	.1654	G	.2610	9.75mm	.3839	55/64	859
.6mm	.0236	46	.0810	19	.1660	6.7mm	.2638	9.8mm	.3858	22mm	.866
73	.0240	45	.0820	4.25mm	.1673	17/64	.2656	W	.3860	7/8	.875
72	.0250	2.1mm	.0827	4.3mm	1693	6.75mm	.2657	9.9mm	.3898	22.5mm	.885
85mm	.0256	2.15mm	.0846	18	.1695	н	.2660	25/64	.3906	57/64	.890
71	.0260	44	.0860	11/64	.1719	6.8mm	.2677	10mm	.3937	23mm	.9058
.7mm	.0276	2.2mm	.0866	17	.1730	6.9mm	.2717	x	.3970	29/32	.9063
70	.0280	2.25mm	.0886	4.4mm	.1732	1	.2720	Y	.4040	59/64	.9211
69	.0292	43	.0890	16	.1770	7mm	.2756	13/32	.4062	23.5mm	.925
75mm	.0295	2.3mm	.0906	4.5mm	.1772	J	.2770	z	.4130	15/16	.937
68	.0310	2.35mm	.0925	15	,1800	7.1mm	.2795	10.5mm	.4134	24mm	.9449
1/32	.0312	42	.0935	4.6mm	.1811	к	.2810	27/64	.4219	61/64	.953
.8mm	.0315	3/32	.0938	14	.1820	9/32	.2812	11mm	.4331	24.5mm	.9646
67	.0320	2.4mm	.0945	13	.1850	7.2mm	.2835	7/16	.4375	31/32	.9688
66	.0330	41	.0960	4.7mm	.1850	7.25mm	.2854	11.5mm	.4528	25mm	9843
35mm	.0335	2.45mm	.0965	4.75mm	.1870	7.3mm	.2874	29/64	.4531	63/64	.9844
65	.0350	40	.0980	3/16	.1875	L	.2900	15/32	.4688	1	1.0000
.9mm	.0354	2.5mm	.0984	4.8mm	.1890	7.4mm	.2913	12mm	.4724		
64	.0360	39	.0995	12	.1890	м	.2950	31/64	.4844		
63	.0370	38	.1015	11	.1910	7.5mm	.2963	12.5mm	.4921		
95mm	.0374	2.6mm	.1024	4.9mm	.1929	19/64	.2969	1/2	.5000		

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