

CAPP 130-2

4 October 2021



Aircraft Management



NATIONAL HEADQUARTERS CIVIL AIR PATROL
Maxwell Air Force Base, Alabama

Supersedes: N/A, original release
Distribution: National CAP website

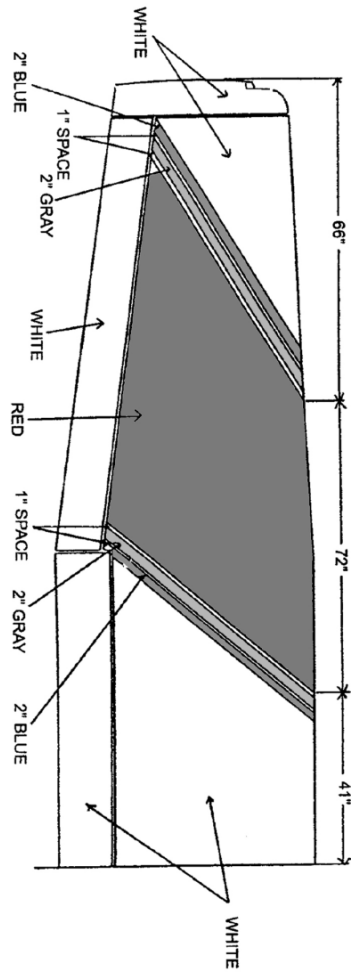
OPR: CAP/LGM

PREVENTIVE MAINTENANCE PERMITTED BY CAP PILOTS AND UNINSURED MECHANICS

All preventive maintenance must be recorded in the aircraft and/or engine logbook showing the service/work performed, date it was performed and name and certificate number of the person performing the task whether it be a pilot or mechanic.

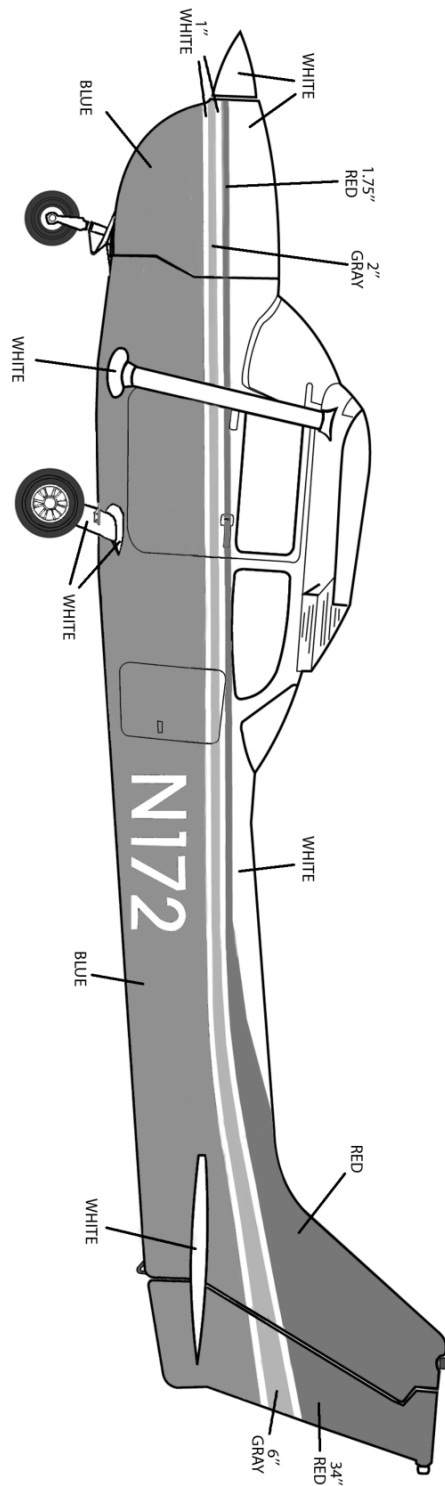
1. Replacing defective cotter pins only. A licensed and insured FAA mechanic must perform any maintenance operation requiring replacement of safety wire.
2. Lubrication not requiring removal of items such as cover plates, cowling and fairings.
3. Replenishing hydraulic fluid in hydraulic reservoirs.
4. Repairing upholstery and decorative furnishings of the cabin or cockpit interior when such repair does not require disassembly of any operating system and does not interfere with an operating system or affect the primary structure of the aircraft.
5. Replacement of bulbs, reflectors and lenses of position or landing lights when removing the cowling is not required.
6. Servicing aircraft batteries when opening the cowling is not required.
7. Replacement/adjustment of nonstructural standard fasteners incidental to operations.
8. Tire inflation.

CAP AIRCRAFT PAINTING AND MARKING

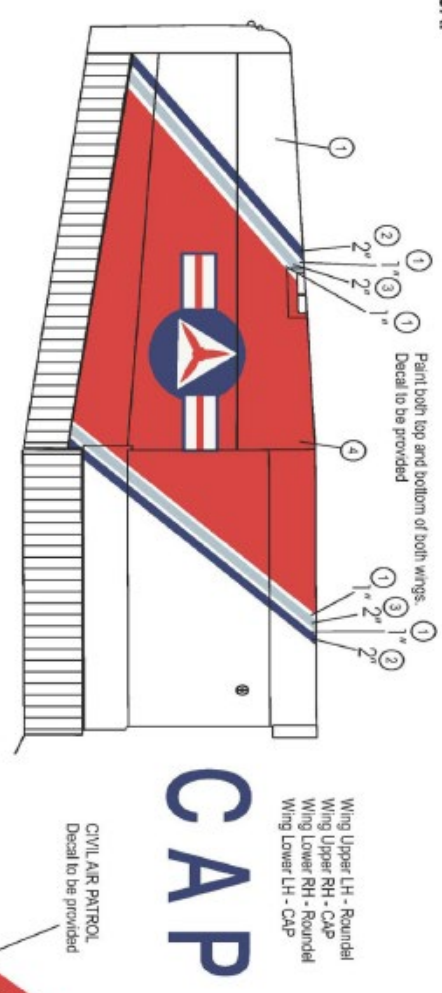


Sherwin Williams

CM050535 Jet Glo Matterhorn White
 A07290 Acry Glo 24160 Blue
 A07025 Acry Glo Medium Gray
 A07313 Acry Glo CAP Red



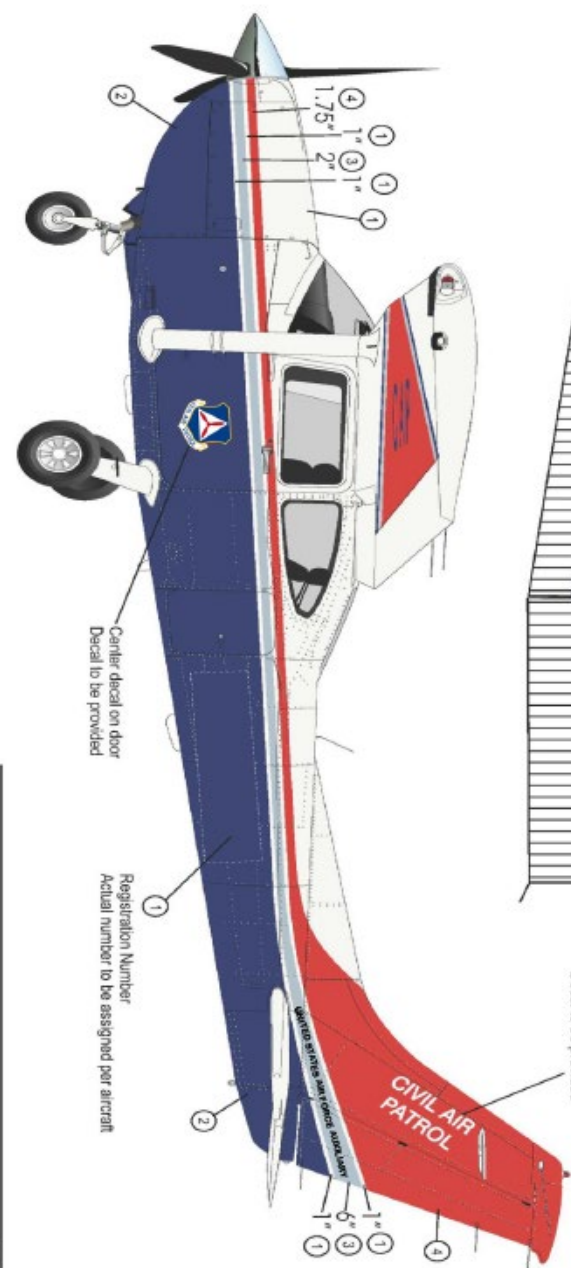
ALL DECALS PROVIDED BY CAP



CAP

Wing Upper LH - Roundel
Wing Upper RH - CAP
Wing Lower RH - Roundel
Wing Lower LH - CAP

CIVIL AIR PATROL
Decal to be provided

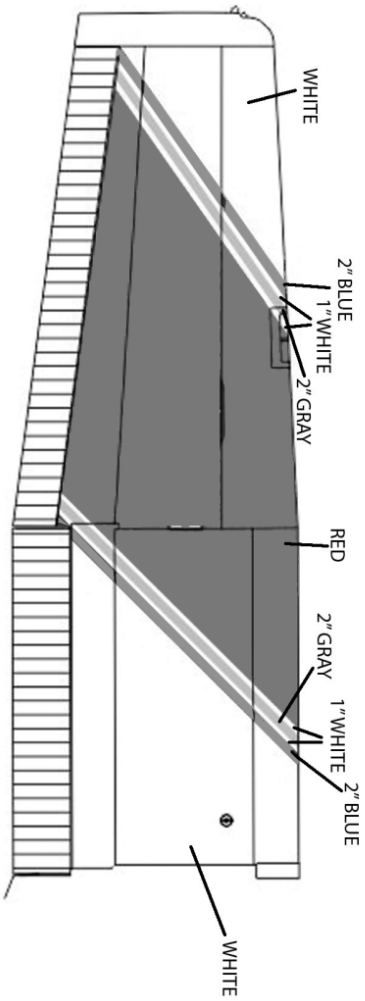
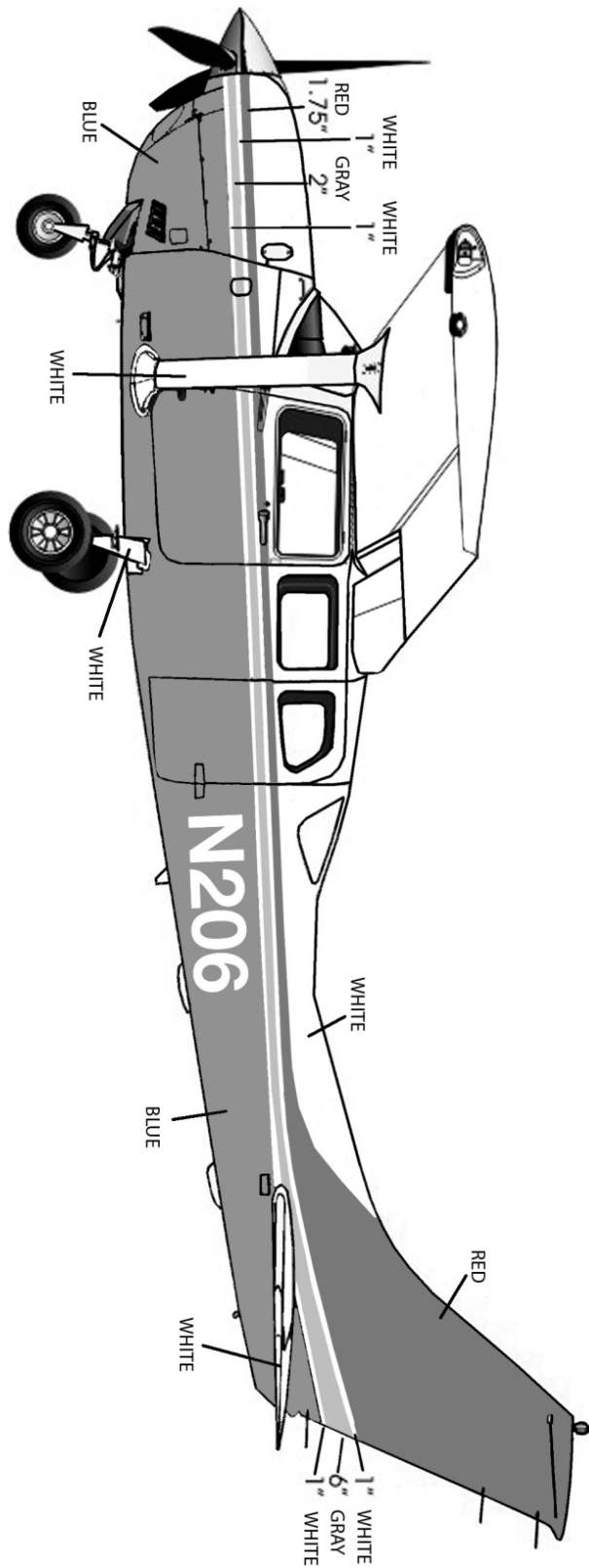


Center decal on door
Decal to be provided

Registration Number
Actual number to be assigned per aircraft

REGISTRATION NUMBER	PAINT COLORS	CODE
SIZE/STYLE: 12" Vertical Block	1 Matterhorn White	AF3102
COLOR: White	2 Blue	753046
LAYOUT	3 Gray	753048

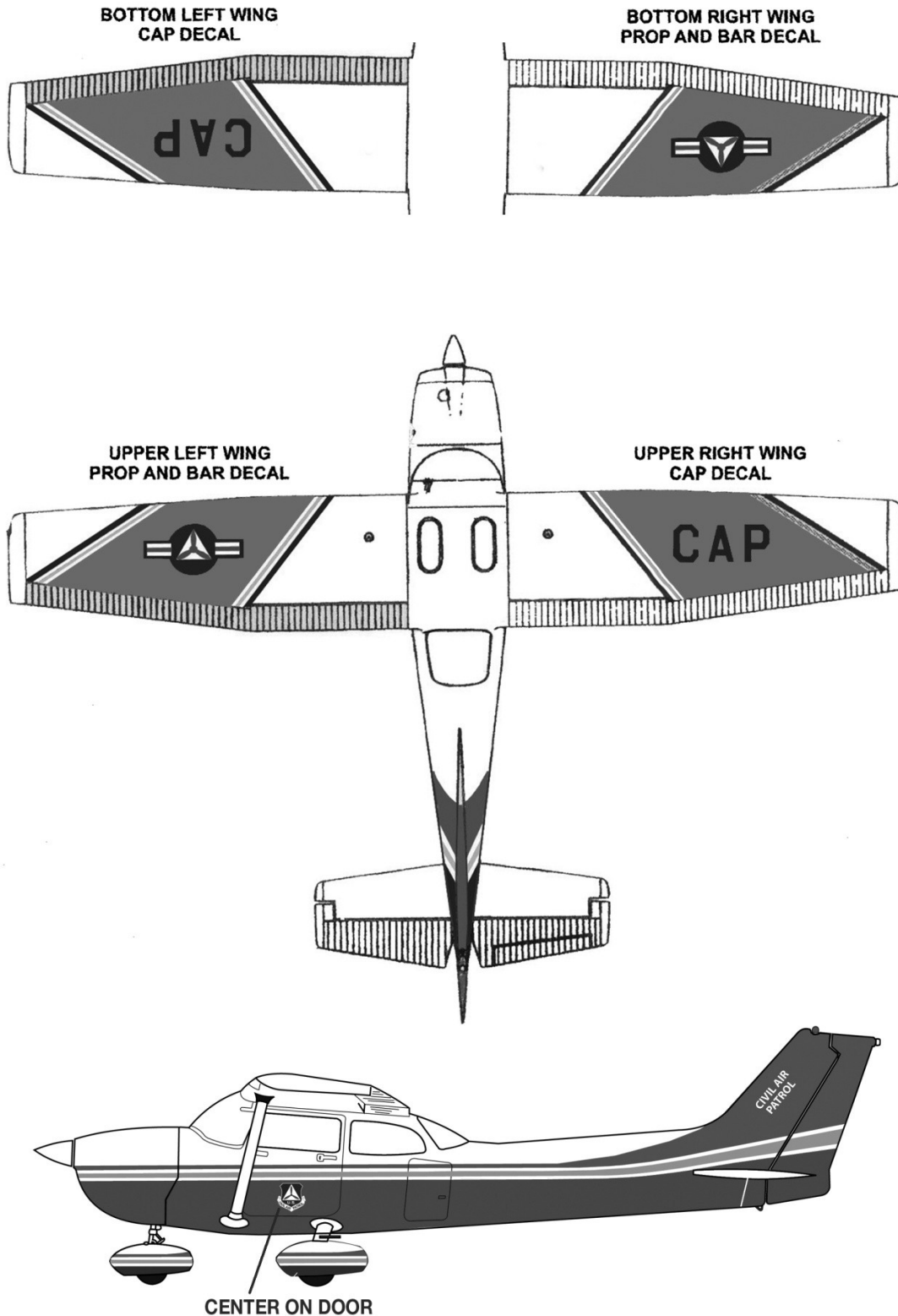
SKYLANE CAP
DATE: 2/16/2017
DESIGNER: R K



Sherwin Williams

CM050535 Jet Glo Matterhorn White
A07290 Acry Glo 24160 Blue
A07025 Acry Glo Medium Gray
A07313 Acry Glo CAP Red

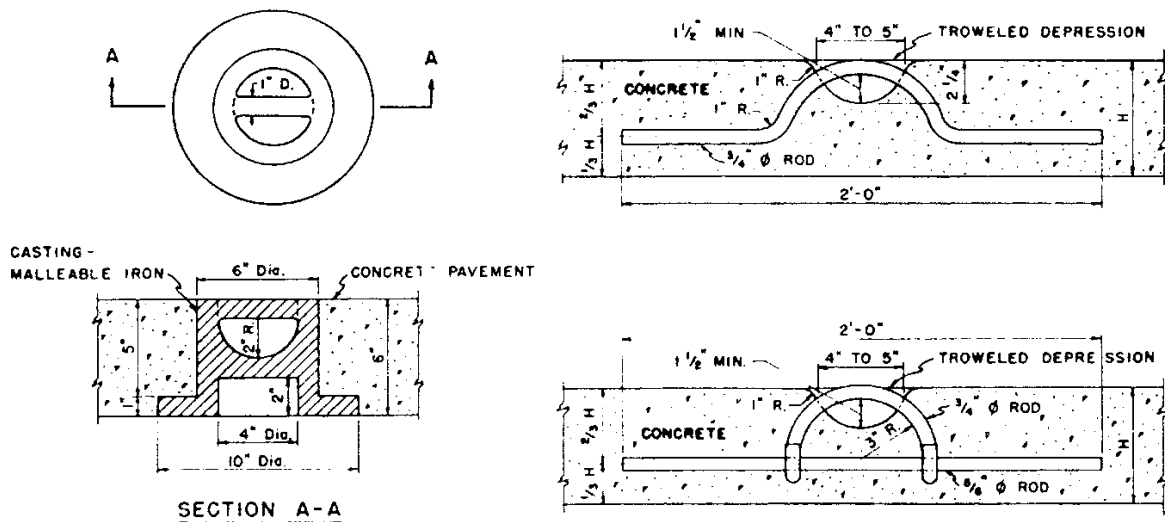
Decal Placement



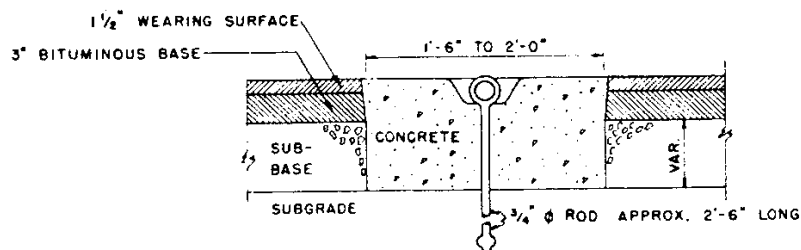


CAP AIRCRAFT TIEDOWN

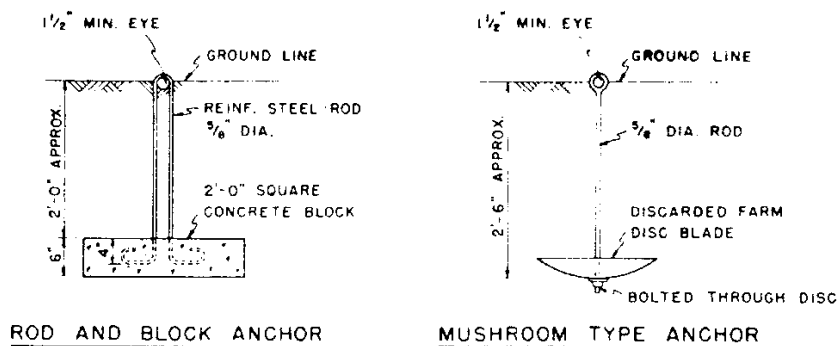
AIRCRAFT TIE-DOWN ANCHORS FOR CONCRETE PAVED AREAS



AIRCRAFT TIE-DOWN ANCHOR FOR BITUMINOUS PAVED AREAS

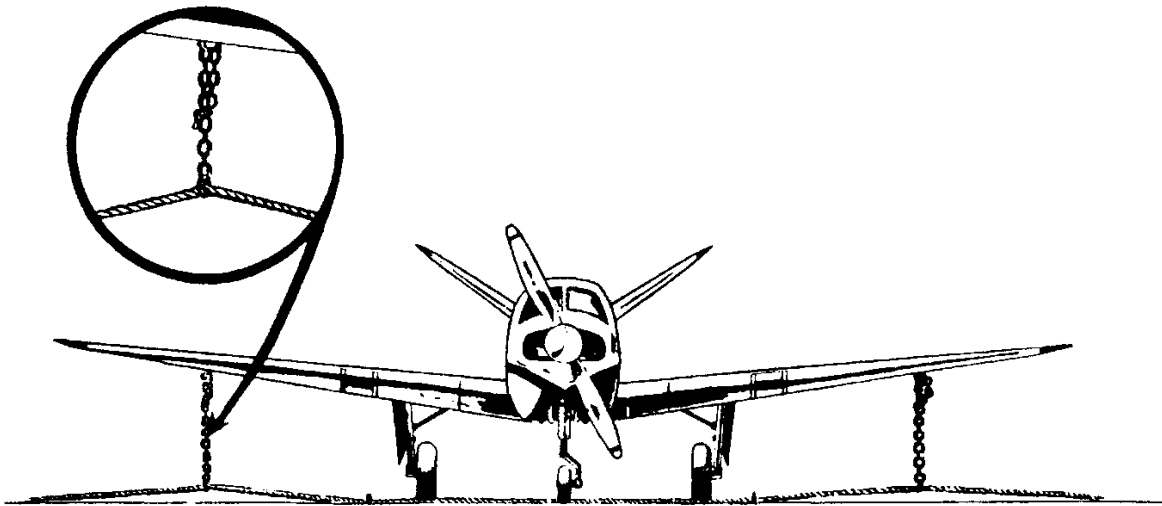


AIRCRAFT TIE-DOWN ANCHORS FOR TURFED AREAS



COMPARISON OF TIE-DOWN ROPES

Size in Inches	Manila	Nylon	Dacron		Yellow Polypropylene	
	Minimum Tensile Strength	Minimum Tensile Strength	(Twist) Minimum Tensile Strength	(Braid) Minimum Tensile Strength	(Twist) Minimum Tensile Strength	(Braid) Minimum Tensile Strength
3/16	-	960	850	730	800	600
1/4	600	1500	1440	980	1300	1100
5/16	1000	2400	2220	1650	1900	1375
3/8	1350	3400	3120	2300	2750	2025
7/16	1750	4800	4500	2900	-	-
1/2	2650	6200	5500	3800	4200	3800
5/8	4400	10,000	-	-	-	-
3/4	5400	-	-	-	-	-
1	9000	-	-	-	-	-



The diagram shows a vertical anchor using straight link coil chain for connection between the wire rope and aircraft wing. One link on the free end is then passed through a link of the taut portion and a safety snap is used to keep the link from passing back through. Any load on the chain is borne by the chain itself instead of the snap.