

Things You Should Know

7x19 Aircraft Cable

DIA.	WORKING LOAD LIMIT*	MIN. PITCH DIA.**
1/8"	250 lbs.	3.25"
3/16"	525 lbs.	4.88"
1/4"	875 lbs.	6.50"
5/16"	1,225 lbs.	8.13"
3/8"	1,800 lbs.	9.75"

*Based on 8:1 safety factor **Based on 26 times the cable diameter

Turnbuckle – Forged, Jaw & Jaw or Jaw & Eye Type

THREAD DIA. x TAKE-UP	WORKING LOAD LIMIT
1/4" x 4"	500 lbs.
5/16" x 4-1/2"	800 lbs.
3/8" x 6"	1,200 lbs.
1/2" x 6" or 1/2" x 12"	2,200 lbs.
5/8" x 6"	3,500 lbs.

Forged Shackle

NOMINAL SIZE	WORKING LOAD LIMIT
3/16"	666 lbs.
1/4"	1,000 lbs.
5/16"	1,500 lbs.
3/8"	2,000 lbs.
1/2"	4,000 lbs.

Rope* – Working Load Limit

SIZE	MANILA	MULTILINE II	STAGE-SET X
3/8"	121 lbs.	320 lbs.	460 lbs.
5/8"	396 lbs.	823 lbs.	1,250 lbs.
3/4"	468 lbs.	1,054 lbs.	1,670 lbs.
1"	810 lbs.	1,870 lbs.	3,200 lbs.

*Based on average tensile strength of new rope using 10:1 safety factor

Cable Terminations*

Swage Sleeve	100% efficient
Cable Clips (Size 1/8" to 7/8")	80% efficient

*Eye with thimble, termination properly applied following manufacturer's instructions.

Chain – Working Load Limit*

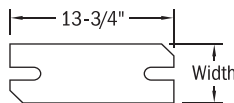
CHAIN SIZE	GRADE 30 PROOF COIL
1/4"	1,300 lbs.
5/16"	1,900 lbs.
3/8"	2,650 lbs.

*Chain manufacturer's rating

Counterweight – Pounds per inch of thickness*

WIDTH	STEEL	CAST IRON
4"	14	12
5"	17	16
6"	21	19

*Nominal weight – actual weight \pm 10%



Clancy Rigging Hardware

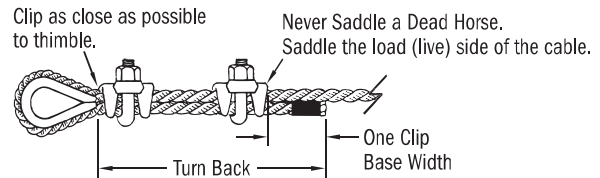
COMPONENT	RECOMMENDED WORKING LOAD (RWL)
Full Pipe Clamp	750 lbs.
Half Pipe Clamp	200 lbs.
Cross Grid Connector	1,500 lbs.
Beam Clamp	350 lbs.
Trim Chain	750 lbs.*

*RWL when installed in recommended manner

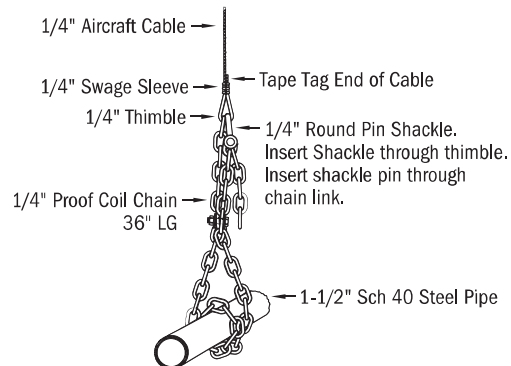
Forged Cable Clip Information

CLIP/CABLE SIZE	NO. OF CLIPS	TURN BACK	TORQUE*
1/8"	2	3-1/4"	4.5 ft.-lbs.
3/16"	2	3-3/4"	7.5 ft.-lbs.
1/4"	2	4-3/4"	15 ft.-lbs.
5/16"	2	5-1/4"	30 ft.-lbs.
3/8"	2	6-1/2"	45 ft.-lbs.

*Threads are clean, dry and not lubricated

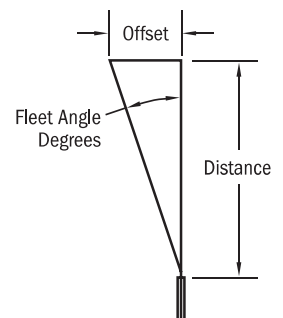


Double Load Path Trim Chain



Fleet Angle Data – Offset in inches

DISTANCE	1.5°	2°
1'	.314	.419
2'	.628	.838
5'	1.57	2.10
10'	3.14	4.19
15'	4.71	6.29
20'	6.29	8.38
25'	7.86	10.5
30'	9.43	12.6
40'	12.6	16.8

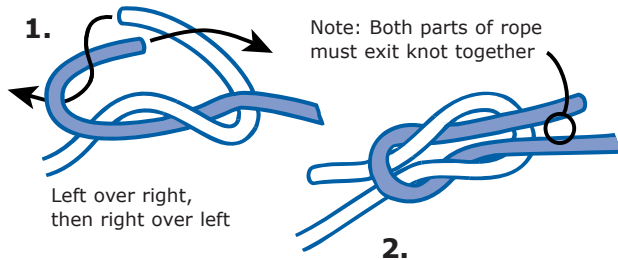


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Essential Knots

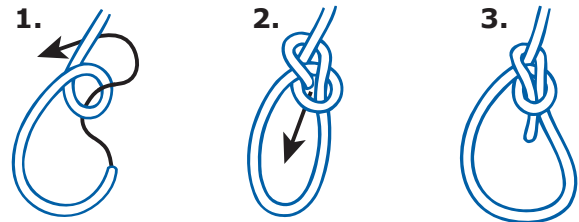
Square Knot

Quick and easy to tie; a good knot for securing non-critical items. Not to be trusted to join two ropes together.



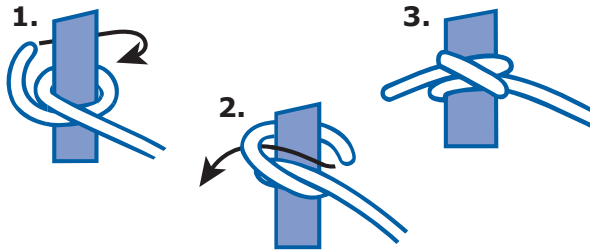
Bowline

One of the most useful knots you can know. The bowline forms a secure loop that will not jam and is easy to tie and untie.



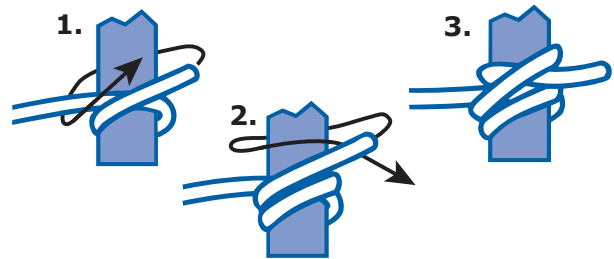
Clove Hitch

A simple all purpose hitch. Easy to tie and untie. Holds firmly but is not totally secure.



Rolling Hitch

A very secure and easy to tie method of fastening a rope to a post. The knot holds firmly in direction of standing line.



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