

INSTRUCTIONS FOR CLIP AND THIMBLES SETS

Refer to Table A when reading these instructions.

I. When two clips are required:

1. Turn back required amount of wire rope from the thimble or loop.
2. Install initial clip one base width from the dead end (cut end) of the wire rope.
3. Position U-bolt over the dead end (cut end) of the wire rope. Place the live end in the saddle. Turn nuts until clips are secure but do not tighten completely.
4. Install the second clip as close to the thimble or loop as possible taking up wire rope slack.
5. Position U-bolt over the dead end (cut end) of the wire rope. Place the live end in the saddle. Turn nuts until clips are secure but do not tighten completely.
6. Alternate tighten of nuts on each U-bolt until required torque is reached.



II. When three or more clips are required:

1. Follow all steps as outlined above.
2. Install additional clip(s) equally between the first two clips taking up wire rope slack.
3. Alternate tighten of nuts on each U-bolt until required torque is reached.



III. Apply an initial test load equal to the loads expected in use. Inspect for proper orientation and spacing of clips and retighten the nuts to the required torque.

Clip size inches	Minimum number of clips required	Length of wire rope to turn back from thimble or loop in inches	Required Torque in Ft/ Lbs. **
1/8	2	3 1/4	4 1/2
3/16	2	3 3/4	7 1/2
1/4	2	4 3/4	15
5/16	2	5 1/4	30
3/8	2	6 1/2	45

** The tightening torque values shown are based upon threads being clean, dry, and free of lubrication.

If a pulley (sheave) is used for turning back the wire rope use one additional clip.

If a greater number of clips are used than shown in the table, the amount of turn back should be increased proportionally.

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THE WIRE ROPE END TERMINATION SHOULD BE INSPECTED PERIODICALLY FOR ABUSE, WEAR AND GENERAL ADEQUACY.

- Maximum holding strength of wire Rope Clips, is achieved when used per the specifications and in observance of the ratings listed below:
- Efficiency ratings for wire rope end terminations are based upon the catalog breaking strength of wire rope. The rating of a properly prepared loop or thimble-eye termination for clip sizes 1/8" thru 7/8" is 80%.
- The number of clips shown (See table A) is based upon using RRL or RLL wire rope, 6 X 19 or 6 X 37 Class, FC or IWRC; IPS or XIP.
- The number of clips shown also applies to rotation-resistant RRL wire rope, 8 X 19 Class, IP, XIP and rotation-resistant RRL wire rope, 19 X 7 Class IPS, XIP.
- In accordance with good rigging and maintenance practices, the wire rope end termination should be inspected periodically for wear, abuse and general adequacy.