

Assembly Guide for Wire Rope Clips/Clamps

PLEASE READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION

These guides are provided in good faith to help prevent assembly problems caused by common errors. The manufacturer and/or distributor of the product bear no responsibility for the assembly actions taken or not taken. These assembly guidelines are strictly recommendations and are not intended to serve as a step-by-step, foolproof checklist.



Wire rope clips are widely used for making end terminations.



When using U-Bolt clips, extreme care must be exercised to make certain that they are attached correctly; i.e., the U-Bolt must be applied so that the “U” section is in contact with the dead end of the rope. See Figure 1. Also, the tightening and retightening of the nuts must be accomplished as required.

Use only forged clips for critical, heavy duty, overhead loads, such as support lines, guy lines, towing lines, tie downs, scaffolds, etc. Never use malleable clips in such instances.

How to Apply U-Bolt Clips

(Recommended Method of Applying U-Bolt Clips to Get Maximum Holding Power of the Clip.)

The following is based on the use of proper size U-Bolt clips on new rope.

1. Turn back specified amount of rope from thimble or loop. Apply first clip one base width from dead end of rope. Apply U-Bolt over dead end of wire rope with live end resting in saddle. Tighten nuts evenly, alternating from one nut to the other until reaching the recommended torque.
2. When two clips are required, apply the second clip as near the loop or thimble as possible. Tighten nuts evenly, alternating until reaching the recommended torque. When more than two clips are required, apply the second clip as near the loop or thimble as possible, turn nuts on second clip firmly, but do not tighten. Proceed to Step 3.
3. When three or more clips are required, space additional clips equally between first two – take up rope slack – tighten nuts on each U-Bolt evenly, alternating from one nut to the other until reaching recommended torque.
4. Apply first load to test the assembly. This load should be of equal or greater weight than loads expected in use. Next, check and retighten nuts to recommended torque.

In accordance with good rigging and maintenance practices, the wire rope and termination should be inspected periodically for wear, abuse and general adequacy.

Inspect periodically and retighten to recommended torque.

A termination made in accordance with the above instructions and using the number of clips shown, has an approximately 80% efficiency rating. This rating is based upon the nominal strength of wire rope. If a pulley is used in place of a thimble for turning back the rope, add one additional clip.

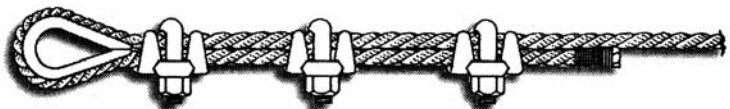
Figure 1



Right Way for Maximum Rope Strength



Wrong Way: Clips Staggered



Wrong Way: Clips Reversed



IMPORTANT: Failure to make a termination in accordance with aforementioned instructions, or failure to periodically check and retighten to the recommended torque, may cause a reduction in efficiency rating.

DROP FORGED WIRE ROPE CLIPS:

Size in inches	3/8"
Minimum clips required	3
Torque in lbs. per foot	30
Approximate weight in lbs.	.46



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