ELECTROLINE

ASSEMBLY INSTRUCTIONS

Safe-Line Clamp

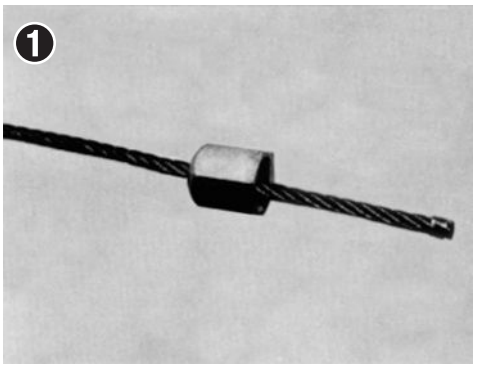
To ensure that your Safe-Line Clamp works efficiently and safely, the following steps should be taken for proper assembly. The Safe-Line Clamp is to be used only for 6 x 19 (IWRC) or 7 x 19 right, regular lay, wire rope.

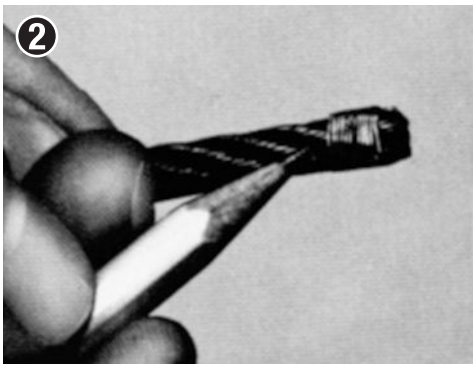
Please note: A half clamp from one assembly cannot be interchanged with a corresponding half from another assembly.

Important Note:
It is common to see "FLATS" or an area of non-cleanup at the splice region of the two forged clamp halves. This is a result of the shearing to remove the flashing caused from the forge process. This does not present a safety concern and will not impact the performance of the properly assembled clamp.

STEP 1: Slide the Safe-Line Nut (rounded end first) over the wire rope.

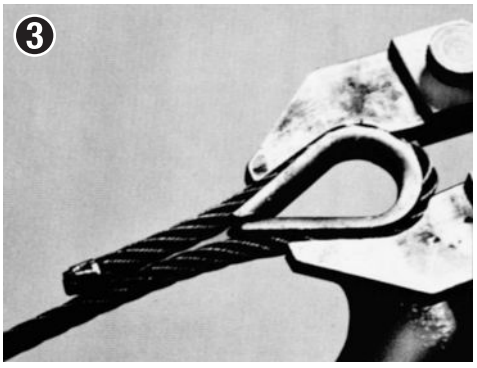
STEP 2: Seize (wrap with thin wire) the dead end of wire rope to prevent it from deforming while clamp is being assembled. If the wire rope starts to deform, the individual wires become trapped between clamp halves, which in turn holds the clamping halves apart, causing the wire rope to slip.





STEP 3: Wrap the wire rope around the thimble. The use of the thimble is mandatory.

STEP 4: Hold one of the clamp halves in place, adjusting the length of dead end so that its seizing protrudes entirely beyond the threaded end of the clamp half. Protrusion should equal one diameter of rope.



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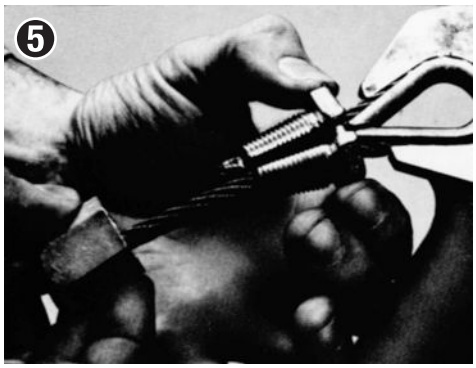
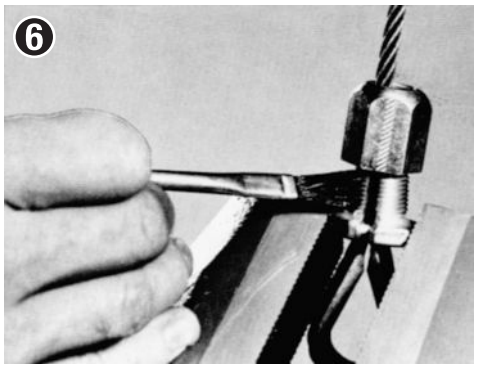
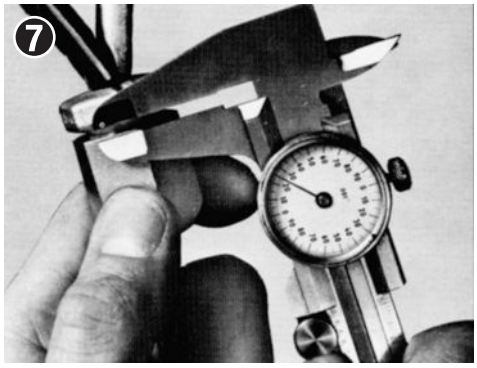
STEP 5: With your fingers, turn the Safe-Line Nut onto both threaded halves for a thread or two - taking care that the alignment of both halves is correct and no cross threading occurs.

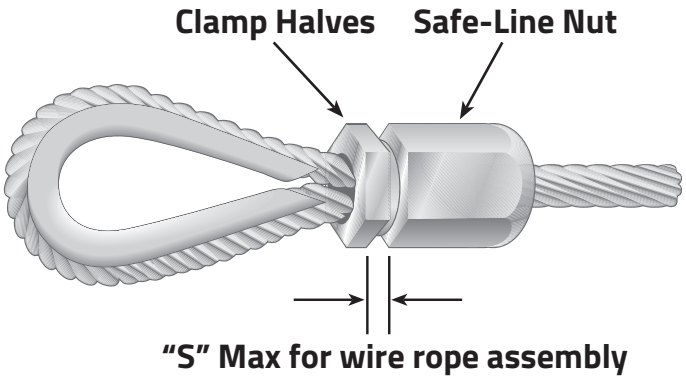


STEP 6: Grip the opposing parallel flats of the two clamp halves in vise as shown, and then brush the exposed threads liberally with a high-viscosity lubricating oil (or paste like Lubriplate). Too much is better than not enough - and *do not omit this step.*



STEP 7: Tighten the Safe-Line Nut over the two Clamp halves. The assembly will be complete only after the required "S" dimension for the corresponding rope is achieved (see column 2 in the chart below). The 3rd column of the chart shows the approximate amount of torque necessary to achieve this "S" dimension.





Wire Rope Diameter	"S" Distance Between Hexagons	Recommended Torque to Assemble (Ft Lbs)
1/16(.063)	.06	9
1/8 (.125)	.06	35
3/16(.188)	.09	80
1/4 (.250)	.12	145
5/16(.313)	.19	225
3/8 (.375)	.19	325
7/16(.438)	.25	440
1/2 (.500)	.25	575
5/8 (.625)	.25	900
3/4 (.750)	.25	1300

Caution: The Safe-Line Clamp is not to be used as a splicing clamp nor is it designed to operate as a single strand stopper.

Please contact Electroline if you have any questions or comments regarding the Safe-Line Clamp assembly.

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