

Reuse of Wire Rope Clips

Wire Rope Clips are reusable, provided they are properly installed in accordance with Crosby Group Clip Application Procedures.

Crosby® G-450 Wire Rope Clips

The number of times a clip may be reused is subject to a number of variables and cannot be given as an exact number. Due to the stresses imposed on a clip during installation, the noted areas of concern are the deflection of the U-bolt (i.e. spread between the legs) and the deterioration of the threads. Therefore, the reusability of a G-450 wire rope clip is dependent on four (4) factors:

1. The U-bolt **MUST** fit into the base without requiring a forceful change in the U-bolt spread.
2. The clip assembly **MUST** be properly installed and capable of being torqued to its full recommended value.
3. The roddles in the clip base **MUST** be undamaged.
4. The clip assembly **MUST** be re-torqued after the initial load application.

Again, the Clip **MUST** meet the recommended torque without stripping the threads or twisting off the U-bolt leg.

When these conditions are met, there will be no loss of efficiency of a re-used G-450 clip termination unless the wire rope has deteriorated through use.

Crosby® G-429 Fist Grip Clips

The number of times a clip may be reused is subject to a number of variables and cannot be given as an exact number. Due to the stresses imposed on a clip during installation, the noted areas of concern are the deterioration of the threads and the integrity of the stud bolt and base assembly. Therefore the reusability of a Fist Grip wire rope clip is dependent on (4) factors:

1. The stud bolt **MUST** be perpendicular to its integral saddle (base) and **MUST** be fully inserted with no air gap between the head of the stud bolt and the base. There **MUST** not be any looseness between the stud bolt and the forged base.
2. The Clip assembly **MUST** be properly installed and capable of being torqued to its full recommended value.
3. The roddles in the Clip saddle (base) **MUST** be undamaged.
4. The Clip assembly **MUST** be re-torqued after the initial load application.

Again, the Clip **MUST** meet the recommended torque without stripping the threads or twisting off the stud bolt.

When these conditions are met, there will be no loss of efficiency of a re-used G-429 clip termination unless the wire rope has deteriorated through use over time.

Rev. 1: Add G-429 Info.

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