

## 12.4 Wire Rope Fastenings

- (a) When it is necessary to make a short bend, as in attaching wire rope or when it is to be looped, thimbles shall always be used.
- (b) Fist grips are preferred fasteners because the wire rope does not become damaged.
- (c) In forming an eye, the loose or “dead” end is clamped against the main part of the rope, with the wire-rope clips spaced a distance equal to six times the diameter of the rope.
- (d) Wire-rope clip fastenings seldom develop more than 80% of rope strength, at best.
- (e) The point of greatest fatigue and/or wear in a rope usually develops at or near the end where it is attached to the becket on the block. Clips shall be inspected at least daily, and tightened if they show signs of loosening. All connections shall be periodically disassembled and the wire rope inspected for damage on a regular basis.

Figure 12g

Double Saddle Clips (Fist Grip and “J” Clips)

