

## CABLE GRIPS

### DESCRIPTION

#### 1. GENERAL

**1.01** This practice covers the description of cable grips used for pulling, supporting, and tensioning cable. These grips can be used on either metallic or lightguide cable. Typical illustrations of grips are shown in Fig. 1 and 2. **KELLEMS\*** cable grips or equivalent can be used for metallic and lightguide cable.

**1.02** This practice is reissued to add reference to lightguide cable grips. This is a general revision and change arrows are not used to denote changes.

#### 2. PRECAUTIONS

**2.01** The strands of mesh cable grips become worn with use. In placing or removing grips, watch for broken strands or other worn parts that may cause an injury.

**2.02** Do not run grips or swivels over bullwheels while under tension.

#### 3. DESCRIPTION

##### METALLIC

**3.01** Pulling grips are made of galvanized steel strand formed in a single or double weave, closed mesh construction. These grips may be terminated on one end in a flexible pulling eye formed by the steel strand or a steel rotating eye.

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Nonconductive braided double weave fiber grips should be used when cable must be pulled in close proximity of energized lines or hardware. Closed mesh or split mesh pulling grips can be used for removing cable. Split mesh pulling grips can be used for pulling slack in existing cables.

**3.02** Support grips are made of nonmagnetic tin-coated bronze strand and are available in either a closed mesh or split mesh style. Stainless steel strand is used where higher tensile strength is required. The closed mesh style is used when the cable end is accessible. If the cable end is not available, use the split mesh style. The closed or split mesh style can be terminated with a single, double, or offset eye. Hook ends or universal bale ends are also available. Single weave grips will support vertical runs up to 99 feet and loads up to 600 pounds. Double weave grips will support vertical runs over 100 feet and loads over 600 pounds.

##### LIGHTGUIDE (OPTICAL FIBER) CABLE

**3.03** Pulling grips are made of galvanized steel strand formed in a multiweave mesh. One half of the length is double weave and the other half is single weave. This provides holding power while allowing the grip to remain flexible with no damage to the cable jacket. These grips may be terminated on one end in a flexible pulling eye formed by a wire rope or a swivel eye.

**3.04** Support grips are made of nonmagnetic tin-coated bronze strand and are available in a closed mesh or split mesh style. The closed mesh style is used when the cable end is accessible. If the cable end is not available, use the split mesh closing style. The closed or split mesh style can be terminated in either a flexible wire rope single eye or a flexible wire rope universal bale.

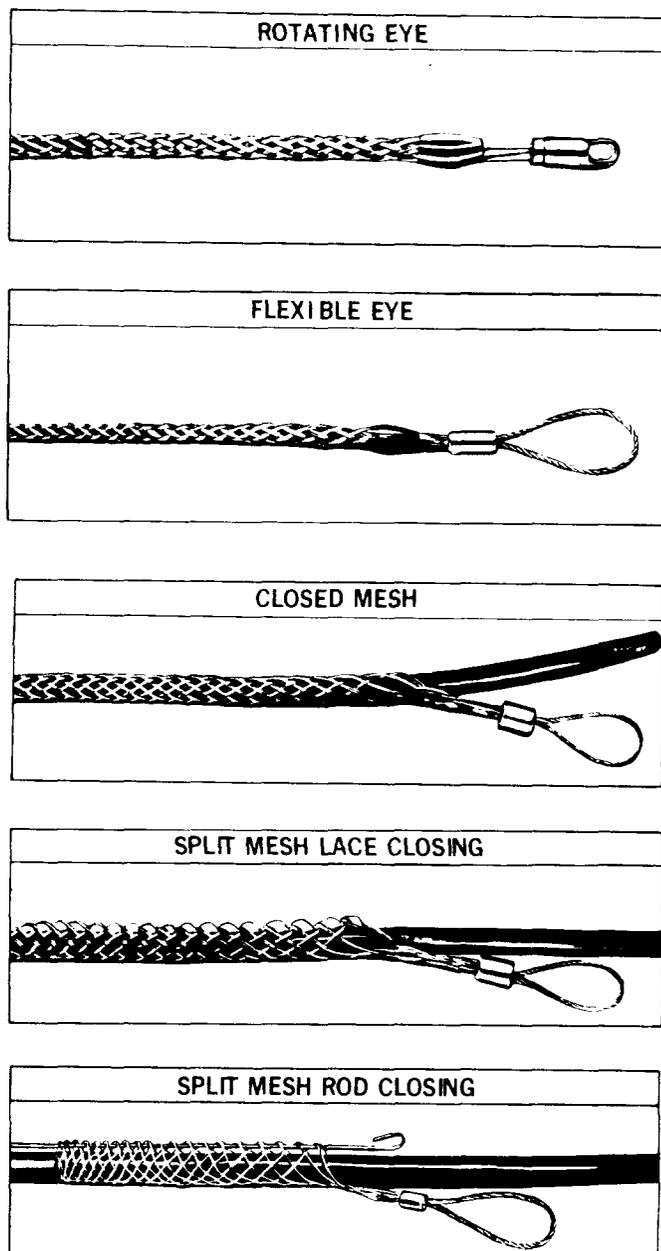


Fig. 1—Typical Pulling Grip Styles (Metallic and Lightguide)

EYE STYLES	SINGLE	DOUBLE	UNIVERSAL	OFFSET	HOOK
					

Fig. 2—Support Grip Styles (Metallic and Lightguide)