

# Installation of KELLEMS® Light Duty Pulling Grips

PATENTED

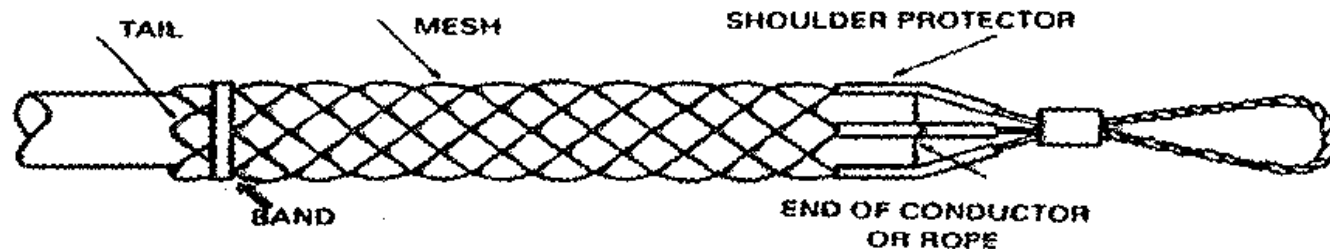
The following steps should be taken to assure proper assembly of Kellems LIGHT DUTY Pulling Grips.

1. Using black, vinyl electrical tape, tape the end of the conductor or cable bundle two or three layers tightly wrapped covering the cable end approximately 1-1/2 inches. This prevents unlaying during assembly.
2. Assemble the grip so the cable end or cable bundle end is inserted up to the bend in the shoulder protectors (as shown below).
3. All slack should be ironed out of the mesh starting at the shoulder protectors and working back toward the tail.
4. One Punch-Lok band should be firmly attached 1" from the grip's tail. Banding is required to insure maximum reliability and guard against accidental release.

Note: A Pengo Miller swivel is recommended for attachment to the grip's eye for release of torque during the pull.

Note: Do not run grips or swivel over bullwheels or winch drums while under tension.

Note: Do not use for pulling synthetic rope. For pulling synthetic rope, use Kellems Dua-pull Grips.



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| CATALOG NUMBER                           |   | CABLE<br>DIAMETER<br>RANGE<br>INCHES | WORK LOAD*                  | WORK LOAD*                     | SUGGESTED                   | SUGGESTED                           |
|--|---|--------------------------------------|-----------------------------|--------------------------------|-----------------------------|-------------------------------------|
| LIGHT DUTY<br>FLEXIBLE EYE<br>SHORT LGTH | LIGHT DUTY<br>FLEXIBLE EYE<br>STANDARD LGTH |                                      | LBS.<br>LIGHT DUTY<br>SHORT | LBS.<br>LIGHT DUTY<br>STANDARD | SWIVEL<br>CATALOG<br>NUMBER | PUNCH LOK BAND<br>CATALOG<br>NUMBER |
| 03303001                                 | 03303010                                    | .50-.61                              | 560                         | 560                            | 20308001                    | 20320050                            |
| 03303002                                 | 03303011                                    | .62-.74                              | 560                         | 560                            | 20308001                    | 20320050                            |
| 03303003                                 | 03303012                                    | .75-.99                              | 800                         | 800                            | 20308001                    | 20320052                            |
| 03303004                                 | 03303013                                    | 1.00-1.24                            | 1060                        | 1360                           | 20308002                    | 20320052                            |
| 03303005                                 | 03303015                                    | 1.25-1.49                            | 1060                        | 1360                           | 20308002                    | 20320053                            |
| 03303006                                 | N/A   | 1.50-1.74                            | 1360                        | N/A                            | 20308002                    | 20320053                            |
| N/A                                      | 03303016                                    | 1.50-1.99                            | N/A                         | 1360                           | 20308002                    | 20320053                            |
| 03303007                                 | N/A   | 1.75-1.99                            | 1700                        | N/A                            | 20308002                    | 20320053                            |
| 03303008                                 | 03303017                                    | 2.00-2.49                            | 1700                        | 1700                           | 20308002                    | 20320054                            |
| N/A                                      | 03303018                                    | 2.50-2.99                            | N/A                         | 2120                           | 20308002                    | 20320054                            |
| N/A                                      | 03303019                                    | 3.00-3.49                            | N/A                         | 2940                           | 20308003                    | 20320054                            |
| N/A                                      | 03303029                                    | 3.50-3.99                            | N/A                         | 2940                           | 20308003                    | 20320054                            |

\* Rated working load is determined by using a factor of safety of 5 based on grip breaking strength.



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