

# Installation of KELLEMS® Multiple Strength Pulling Grips

The following steps should be taken to assure proper assembly of **Multiple Strength Grips**.

1. Tape the end of the conductor—two or three layers tightly wrapped covering the end approximately 1½ inches. This prevents unlaying during assembly.
2. Assemble the grip so the conductor 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. Two Punch-Lok® bands, each double wrapped, should be firmly attached approximately 1" and 2" from the grip's tail. Banding is required to insure maximum reliability and guard against accidental release.

**Note:** A swivel is recommended for attachment to the grip's eye for release of torque during a pull, (Ref. swivel size on back). Where swivel action is not desired, see connecting links on back.

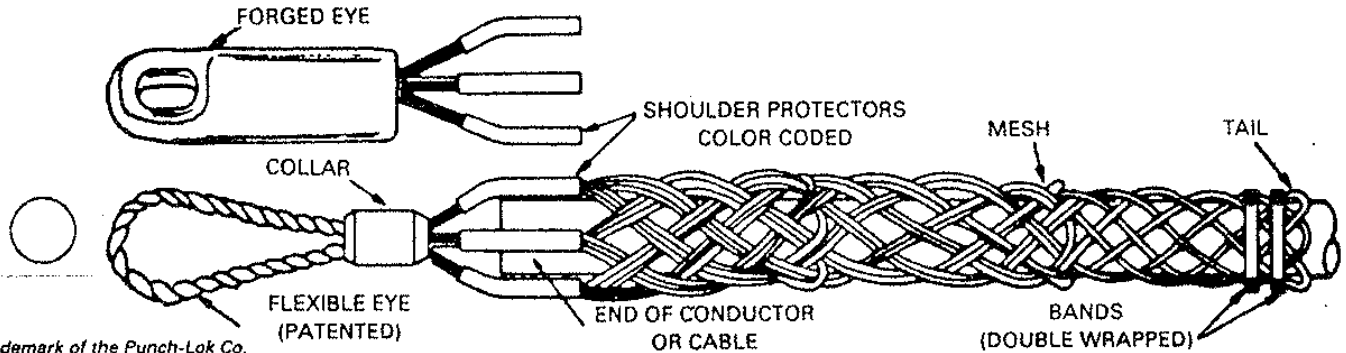
**Note:** Do not run grips or swivels over bullwheels while under tension.

**Note:** When higher work loads are required, use Kellems DUA—pull® Grip.

**Note:** Do not use for Pulling Rope. For Pulling Rope, use Kellems DUA-pull® Grips.

**Note:** Do not use for seven-wire stress-relieved strand for prestressed concrete.

309-20-061



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 ©DUA-pull is a trademark of the Kellems Division, Hubbell Incorporated

Part Number		Color Code	Nominal Grip Size	Size Range O.D. (Inches)	Work Load (lbs)	Recommended Swivel	Recommended Link	Recommended Band
Forged Eye	Flexible Eye					TSE/Pengo No. Kellems No.	TSE/Pengo No. Kellems No.	Punch-Lok® No. Kellems No.
033-02-016	033-02-044	DARK GREEN	3/8	.25 — .49	1,300	A-13L 203-08-001	PL 1/4 093-01-1037	0-311 203-20-050
033-02-018	033-02-046	BROWN	5/8	.50 — .74	2,000	BB-13L 203-08-002	PL 3/8 093-01-1038	0-311 203-20-050
033-02-020	033-02-048	LIGHT BLUE	7/8	.75 — .99	2,900	BB-13L 203-08-002	PL 3/8 093-01-1038	0-10 203-20-052
033-02-022	033-02-050	GOLD	1-1/8	1.00 — 1.24	4,900	B-13L 203-08-003	PL 1/2 093-01-1039	0-10 203-20-052
033-02-024	033-02-052	BLACK	1-3/8	1.25 — 1.49	6,100	C-13L 203-08-004	PL 5/8 093-01-1040	0-16 203-20-053
033-02-028	033-02-054	RED	1-5/8	1.50 — 1.74	6,100	C-13L 203-08-004	PL 5/8 093-01-1040	0-16 203-20-053
033-02-028	033-02-056	DARK BLUE	2	1.75 — 2.24	9,600	D-13L 203-08-005	PL 3/4 093-01-1041	0-16 203-20-053
033-02-068	033-02-1078	YELLOW	2-1/4	2.00 — 2.49	9,600	D-13L 203-08-005	PL 3/4 093-01-1041	0-24 203-20-054
033-02-097	033-02-1079	ORANGE	2-3/4	2.50 — 2.99	9,600	D-13L 203-08-005	PL 3/4 093-01-1041	0-24 203-20-054
033-02-1030	033-02-1080	ALUMINUM	3-1/4	3.00 — 3.49	9,600	D-13L 203-08-005	PL 3/4 093-01-1041	0-24 203-20-054
033-02-1031	033-02-1081	LIGHT GREEN	3-3/4	3.50 — 3.99	9,600	D-13L 203-08-005	PL 3/4 093-01-1041	0-24 203-20-054

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



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