Installation of KELLEMS® DUA-pull® Pulling Grips

PATENTED

The following steps should be taken to assure proper assembly of DUA-pull® Grips.

1. Tape the end of the conductor or rope — two or three layers tightly wrapped covering the end approximately 1½ inches. This prevents unravelling during assembly.
2. Assemble the grip so the conductor or rope 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: Double braided rope, as 2-in-1® type, should be back-spliced for approximately 2/3 of the mesh length for best gripping results. Grip size should be selected by diameter over back-splice.

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.*

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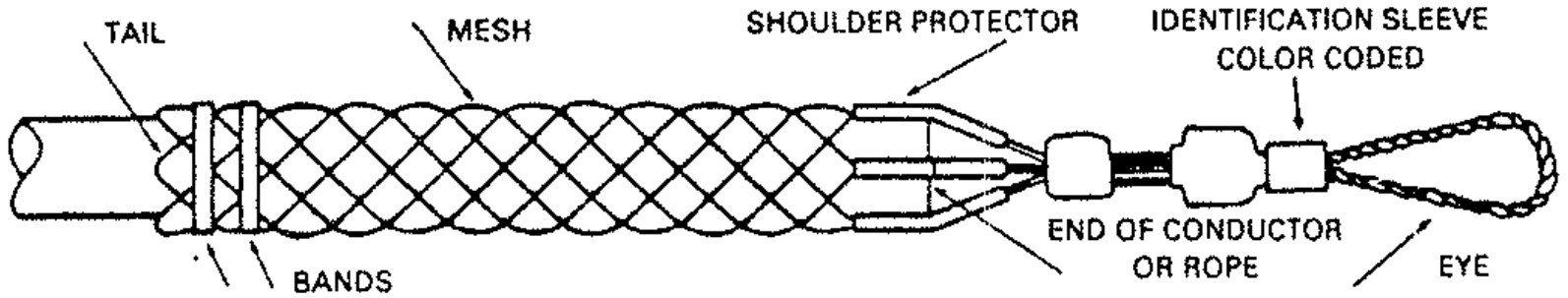

**"FOR ROPE, SELECT SMALLEST SIZE GRIP WHICH MEETS REQUIRED WORKING LOAD.

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®DUA-Pull is a trademark of the Kellems Division, Hubbell Incorporated.
®2-in-1 is a trademark of the Sampson Rope Co.

Grip Part Number	Color Code	Work Load (lbs)*	Size Range O.D. (Inches)		Feed Tube Part Number	Recommended Swivel	Recommended Link	Recommended Band
			Rope**	Conductor		Pengo No. Kellems No.	Pengo No. Kellems No.	Punch-Lok® No. Kellems No.
033-27-1037	BLACK	1,300	.25 — .65	.19 — .37	091-06-1043	A-13L 203-08-001	PL 1/4 093-01-1037	0-10 203-20-052
033-27-1038	DARK GREEN	2,800	50 — .90	.38 — 62	091-06-1044	BB-13L 203-08-002	PL 3/8 093-01-1038	0-10 203-20-052
033-27-1039	RED	4,000	.75 — 1.10	63 — 87	091-06-1045	B-13L 203-08-003	PL 1/2 093-01-1039	0-10 203-20-052
033 27-1040	DARK BLUE	6,120	1.00 — 1.50	.88 — 1.12	091-06-1046	C-13L 203-08-004	PL 5/8 093-01-1040	0-10 203-20-052
033-27-1041	YELLOW	9,350	1.25 — 1.70	1.13 — 1.37	091-06-1047	D-13L 203-08-005	PL 3/4 093-01-1041	0-16 203-20-053
033-27-1042	ALUMINUM	13,300	1.50 — 2.10	1.38 — 1.90	091-06-1048	EE-13L 203-08-010	PL 7/8 093-01-1042	0-16 203-20-053

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

**For rope, select smallest size grip which meets required work load*

STEP 1. Assemble DUA-Pull mesh onto feed tube.
STEP 2. Insert rope end fully into feed tube.
STEP 3. Force feed tube nose cone thru grip shoulders. The rope is held within the feed tube by pinning it to the ground with the tube end.
STEP 4. Push the mesh to the end of the feed tube, then pull the tube thru the mesh. As the tube is pulled out, the gripping action of the mesh holds the rope in place.
STEP 5. Adjust rope so that the rope end is inside of the grip shoulders, then iron out any slack in the mesh.
STEP 6. Punch-Lok grip end.

HUBBELL®
Wiring Device-Kellems, Hubbell Incorporated (Delaware)
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