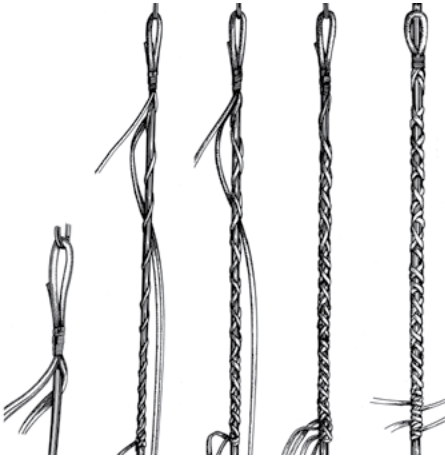


Synthetic Pulling & Stopping Grips

YaleGrips install easily on varying diameters.



The optional 6-leg YaleGrip will spread the load on the substrate more evenly.

The 6-legged YaleGrip is the best way to handle an umbilical as point compression loads are minimized.

The 6-leg grip has the same tensile rating as the 4-leg model but spreads the compressive forces more evenly across the surface. The

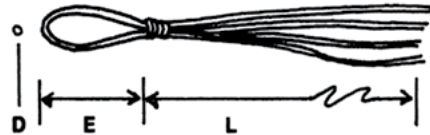
6-leg and the 4-leg are both available with our optional Maxijacket marine coating.



Size the grip by anticipated loads, not by the cable size it fits. When the anticipated load needs to be spread over a wider surface area, a six-leg grip is suggested. Please call or email for a quotation.

YaleGrips™ are made from a Technora® flat braid, an Aramid fiber, and are assembled in a 4-leg configuration extending from a reinforcing, securing eye. The eye is covered entirely with an extra layer of braid, which is saturated with Maxijacket™ urethane, an abrasion-resistant coating for extended life.

YaleGrips are used as pulling and stopping grips for electrical-line construction work above and below ground, for deployment and retrieval of a variety of cables, as marine stoppers on hawsers and for temporary or permanent strain relief. YaleGrips are applied quickly over a wide range of cable diameters without specialized tools. YaleGrips are noncorrosive, have good dielectric properties and are compact and lightweight. Installed, the grip remains flexible and does less damage to mating surfaces than other types of grips.



Larger-sized cables may be accommodated by lengthening tail dimension ("L"). Please call or email for a quotation.

YaleGrips are far stronger than wire mesh grips and do not form dangerous "fishhooks," as do wire mesh grips, making them safer to handle.

YaleGrips may be used for temporary or permanent eyes, both in midspan or on the end.

Options include urethaning the entire grip, which extends the grip's life, especially useful in active towing applications. We call this the "marine treatment." We also can make a grip with extended tails to accommodate larger cables. Hardware can be added to the eye, such as stainless thimbles, which enhances performance.

To view an install, visit: www.yalecordage.com/yalegrips



YaleGrips are available in all sizes shown below, each of which is color coded for easy identification. Each grip additionally carries a serialized tag for tracking purposes.

Specifications

Diameter		Part Number	Minimum Cable Diameter		Maximum Cable Diameter		Average Break Strength		Working Load		Tail Length		Eye Size		Color
Inches	(mm)		Inches	(mm)	Inches	(mm)	Lbs	Kg	Lbs	Kg	Feet	M	Inches	(cm)	
7/16	(11)	944504T	3/16	(5)	1/2	(13)	6,000	2,722	1,200	544	4.5	1.4	6	(15)	Red
9/16	(14)	944505T	1/4	(6)	3/4	(18)	12,000	5,443	2,400	1,089	5.5	1.7	6	(15)	Blue
11/16	(17)	944506T	3/8	(10)	7/8	(22)	18,000	8,165	3,600	1,633	6.5	2.0	6	(15)	Green
7/8	(22)	944507T	1/2	(13)	1	(25)	30,000	13,608	6,000	2,722	8	2.4	8	(20)	Orange
1	(25)	944508T	5/8	(16)	1-1/8	(29)	48,000	21,773	9,600	4,355	10	3.0	8	(20)	Yellow
1-1/4	(32)	944509T	7/8	(22)	1-3/4	(44)	72,000	32,659	14,400	6,532	16	4.9	12	(30)	Black
1-1/2	(38)	944510T	1-1/8	(29)	3	(76)	120,000	54,432	24,000	10,886	22	6.7	16	(41)	Red
1-3/4	(44)	944511T	1-3/8	(35)	3-1/2	(89)	180,000	81,648	36,000	16,330	28	8.5	18	(46)	Blue
2	(51)	944512T	2	(51)	4	(102)	290,000	131,544	58,000	26,309	34	10.3	18	(46)	Green
2-1/4	(57)	944513T	3-1/4	(83)	5	(127)	365,000	165,564	73,000	33,113	40	12.2	20	(51)	Orange
2-1/2	(64)	944514T	4	(102)	6	(152)	450,000	204,120	90,000	40,824	52	15.8	24	(61)	Yellow

Follow these instructions for both midway and end-of-cable installation

CAUTION: Test YaleGrip for your application before field deployment. A YaleGrip may be installed on any material and surface texture, making it impossible to predict gripping performance for every application.

1. Lay the YaleGrip atop and along the length of the cable, anchoring the eye at least two feet from the end of the cable. Tape the eye to the cable to hold it in place during the installation.

Split the legs evenly on either side of the cable (2 per side for 4-leg model; 3 per side for 6-leg).

2. Mark leg-wrap crossover points on the cable, as follows: Mark the first point at 12x the cable diameter away from the base of the eye; mark the second at 11x the cable diameter away from the first point; mark the third at 10x the diameter away from the second point, and so on, reducing the distance to each point by 1x the cable diameter until you reach the last point (1x).

For Example: If the cable diameter is 3", mark the crossover points at the following distances from one cross-over location to the next (see graphic to right for details)
36", 33", 30", 27", 24", 21", 18", 15", 12", 9", 6", and 3".

Important: Mark a minimum of 12 crossover points.

3. Wrap the legs around the cable as follows:

Important: For the best grip, make sure each leg lays flat against the cable surface and doesn't twist as you're wrapping. Maintain tension to minimize any initial settling.

Starting 4-Leg and 6-Leg YaleGrips (Legs 1 & 2)

From the right side of the cable as you face the eye, wrap leg #1 under and then over the cable (clockwise), positioning it over the crossover points each time it wraps over the top of the cable. When leg #1 has been wrapped around covering all crossover points, secure the tail end to the cable with a clove hitch (or tape for a lower profile).

From the left side of the cable, wrap leg #2 under and then over around the cable (counter-clockwise), crossing over leg #1 at each marked point. Secure the tail end with a clove hitch (or tape) just beyond the clove hitch for leg #1.

Completing 4-Leg YaleGrips (Legs 3 & 4)

From the right side of the cable, wrap leg #3 around the cable clockwise, aligning it closely alongside leg #1 beyond the first crossover point. Continue wrapping leg #3, positioning it slightly beyond the cross 2, then slightly beyond the cross 3, and then equidistant between cross 4 and 5, putting a slightly greater distance between leg #3 and leg #1 with each wrap. For the remaining wraps, position leg #3 halfway between the wraps of leg #1, so compressive load is spread over the maximum amount of the cable's surface area. Secure the tail end with a clove hitch (or tape) just beyond the fasten-off for leg #2.

From the left side of the cable, wrap leg #4 around the cable counter-clockwise, using the same positioning as described for leg #3, and fasten off.

Tape over all fasten-offs and free tails to prevent snagging on sheaves and other rigging.

Completing 6-Leg YaleGrips (Legs 5 & 6)

Use the same positioning logic used for the 4-leg installation but, rather than ending up halfway between crossover points 4 and 5, legs #3 and #4 should fall one-third the distance between legs #1 and #2; legs #5 and #6 should fall two-thirds the distance between legs #1 and #2 (so the 3 legs on each side have crossovers spaced in equal thirds).

Tools Needed

Vinyl Electrical Tape
Measuring Tape

