YALE CORDAGE
A SLINGMAX GROUP COMPANY

LOUPS™
Slings

LOUPS are the most efficient synthetic slings available and far lighter than steel or conventional round slings. LOUPS bend gracefully. If you look inside a LOUP, you will find just one continuous looped piece of rope (Figure 1), which has been end-for-end spliced to itself.

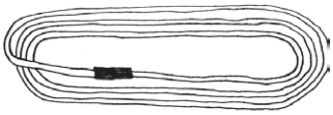
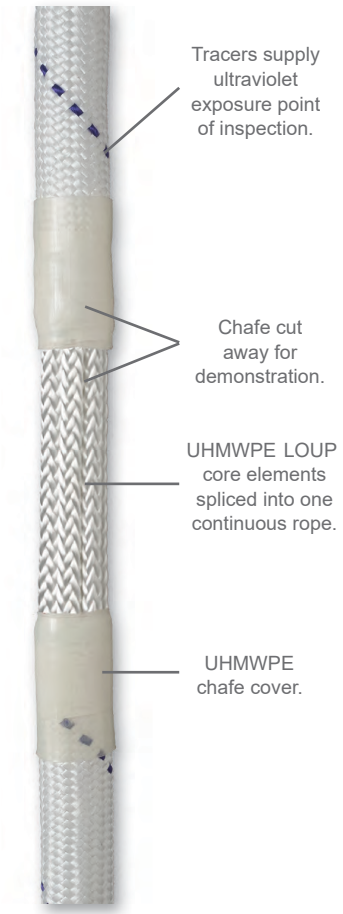


Figure 1

The diameter of the LOUP core and the number of wraps vary by the tensile strength of the LOUP Yale is building. **Since the strength element is small, this product has a 1.1:1 D/d ratio (or bending radius) for Vertical WL.** Simply put, LOUPS are less affected by sharp bending radii than larger ropes of comparable strength. LOUPS can be produced as small as 3" in length and as large as 5 million lbs. tensile.

LOUPS through Model 13A06 are annealed. Through an exhaustive research and development program, the right combination of stress and heat was identified, which now allows us to ship LOUPS at their full strength potential. LOUPS tell you when the sun has taken its toll. The distinctive tracer strands of LOUPS are, by design, more susceptible to ultraviolet attack than the rest of the sling. So, when the tracer yarns, which are nonload-bearing, start to break and fall out, it is time for you to replace the LOUP.



YALE CORDAGE
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LOUPS™
Slings

LOUPS high-modulus endless slings, by Yale Cordage or a Yale Cordage licensee, significantly advance the technology of lifting slings by utilizing a strength-optimizing, multiple-strand endless braid of Ultra High Molecular Weight Polyethylene UHMWPE fiber encased in a polyethylene abrasion sleeve.

The completed LOUP then undergoes Yale's proprietary annealing process, which elevates the tensile strength by up to four times that of similar-sized polyester-fiber-based slings. For longer or shorter lengths, call for availability. Optional proof loading available.

Model	Diameter		Vertical Capacity*		Choker Capacity*		Basket Capacity*		Base Length	Max. Length
	Inches	(mm)	Lbs	Kg	Lbs	Kg	Lbs	Kg	Feet	Feet
4A03	0.39	(10)	4,280	1,941	**3,424**	**1,550**	8,560	3,883	2	40
4A04	0.44	(11)	5,700	2,586	**4,560**	**2,070**	11,400	5,171	2	40
4A05	0.48	(12)	7,140	3,239	**5,712**	**2,590**	14,280	6,477	2	40
7A02	0.54	(14)	8,560	3,883	**6,848**	**3,105**	17,120	7,766	2	40
7A03	0.67	(17)	12,800	5,806	**10,240**	**4,645**	25,600	11,612	4	40
7A04	0.71	(18)	17,100	7,756	**13,680**	**6,210**	34,200	15,513	4	40
7A06	0.83	(21)	25,600	11,612	**20,480**	**9,295**	51,200	23,224	4	40
7A07	0.91	(23)	29,800	13,517	**23,840**	**10,820**	59,600	27,034	4	40
7A08	0.98	(25)	34,000	15,422	**27,200**	**12,345**	68,000	30,844	6	40
13A04	1.18	(30)	50,800	23,042	**40,640**	**18,450**	101,600	46,085	6	90
13A05	1.30	(33)	63,400	28,758	**50,720**	**23,025**	126,800	57,515	6	90
13A06	1.38	(35)	76,000	34,473	**60,800**	**27,600**	152,000	68,946	6	90

*** Rated capacity is based on 5:1 Design Factor**

Industrial LOUPS™

Industrial LOUPS high-modulus endless slings, by Yale Cordage or a Yale Cordage licensee, significantly advance the technology of lifting slings by utilizing a strength-optimizing, multiple-strand endless braid of UHMWPE fiber encased in apolyethylene or polyester abrasion sleeve. For longer or shorter lengths, call for availability. Optional proof loading available.

UHMWPE Sleeve

Model	Diameter		Vertical Capacity*		Choker Capacity*		Basket Capacity*		Base Length	Maximum Length
	Inches	(mm)	Lbs	Kg	Lbs	Kg	Lbs	Kg	Feet	Feet
13N08	1.7	(44)	83,776	38,001	**67,021**	**30,425**	167,552	76,002	6	90
13N10	1.9	(47)	104,720	47,501	**83,776**	**38,030**	209,440	95,002	6	90
19N06	2.3	(58)	126,000	57,154	**100,800**	**45,760**	252,000	114,307	6	90
19N07	2.4	(61)	147,000	66,679	**117,600**	**53,390**	294,000	133,358	6	90
19N08	2.6	(65)	168,000	76,205	**134,400**	**61,015**	336,000	152,410	6	90
19N10	2.9	(74)	210,000	95,256	**168,000**	**76,270**	420,000	190,512	6	90

Polyester Sleeve

Model	Diameter		Vertical Capacity*		Choker Capacity*		Basket Capacity*		Base Length	Maximum Length
	Inches	(mm)	Lbs	Kg	Lbs	Kg	Lbs	Kg	Feet	Feet
32N05	3.6	(91)	240,800	109,227	**192,640**	**87,455**	481,600	218,454	8	90
32N06	3.9	(99)	288,960	131,072	**231,168**	**104,950**	577,920	262,145	8	90
32N07	4.1	(105)	337,120	152,918	**269,696**	**122,440**	674,240	305,835	8	90

*** Rated capacity is based on 5:1 Design Factor**