

LOUPS™



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 from DSM Protective Materials, encased in a polyethylene abrasion sleeve.

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 (Image 1), which has been end-for-end spliced to itself.

The core elements of the LOUP utilize bio-based Dyneema® fiber. Made with bio-based feedstock, this fiber maintains the unique properties of Dyneema® while providing a more sustainable solution without compromising final product performance. 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.

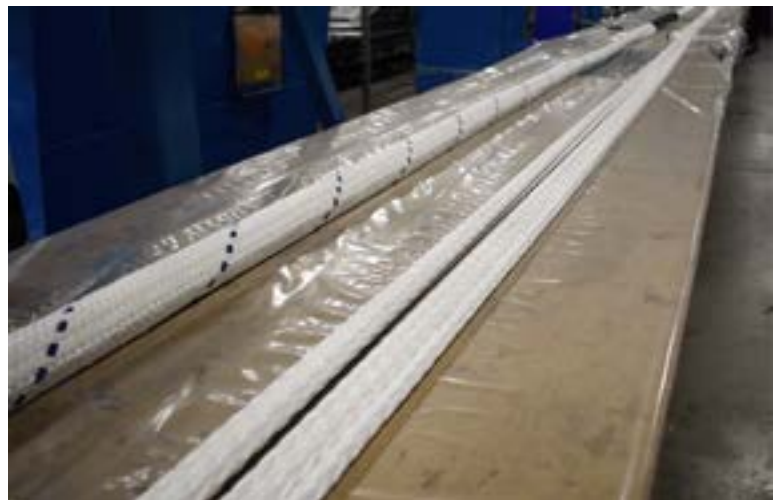
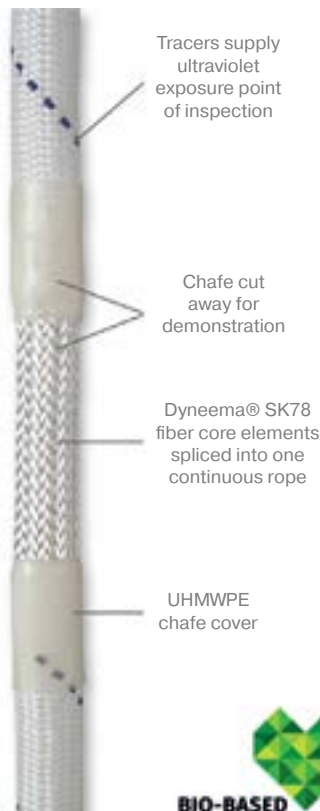


Image 1

LOUPS™ Specifications

Model	Diameter Inches	Diameter mm	Vertical Capacity* Lbs	Vertical Capacity* Kg	Choker Capacity* Lbs	Choker Capacity* Kg	Basket Capacity* Lbs	Basket Capacity* Kg	Base Length Ft
4A03	0.39	10	4,280	1,941	3,424	1,550	8,560	3,883	2
4A04	0.44	11	5,700	2,568	4,560	2,070	11,400	5,171	2
4A05	0.48	12	7,140	3,239	5,712	2,590	14,280	6,477	2
7A02	0.54	14	8,560	3,883	6,848	3,105	17,120	7,766	2
7A03	0.67	17	12,800	5,806	10,240	4,645	25,600	11,612	4
7A04	0.71	18	17,100	7,756	13,680	6,210	34,200	15,513	4
7A06	0.98	25	25,600	11,612	20,480	9,295	51,200	23,224	4
7A07	1.02	26	29,800	13,517	23,840	10,820	59,600	27,034	4
7A08	1.07	27	34,000	15,422	27,200	12,345	68,000	30,844	6
13A04	1.18	30	50,800	23,042	40,640	18,450	101,600	46,085	6
13A05	1.30	33	63,400	28,758	50,720	23,025	126,800	57,515	6
13A06	1.38	35	76,000	34,473	60,800	27,600	152,000	68,946	6

*Rated capacity is based on 5:1 Design Factor

Industrial LOUPS™

	Model	Diameter Inches	Diameter mm	Vertical Capacity* Lbs	Vertical Capacity* Kg	Choker Capacity* Lbs	Choker Capacity* Kg	Basket Capacity* Lbs	Basket Capacity* Kg	Base Length Ft
UHMPE Sleeve	13N08	1.7	44	83,776	38,001	67,021	30,425	167,552	76,002	6
	13N10	1.9	47	104,720	47,501	83,776	38,030	209,440	95,002	6
	19N06	2.3	58	126,000	57,154	100,800	45,760	252,000	114,307	6
	19N07	2.4	61	147,000	66,679	117,600	53,390	294,000	133,358	6
	19N08	2.6	65	168,000	76,205	134,400	61,015	336,000	152,410	6
	19N10	2.9	74	210,000	95,256	168,000	76,270	420,000	190,512	6
Polyester Sleeve	32N05	3.6	91	240,800	109,227	192,640	87,455	481,600	218,454	8
	32N06	3.9	99	288,960	131,072	231,168	104,950	577,920	262,145	8
	32N07	4.1	105	337,120	152,918	269,696	122,440	674,240	305,835	8

*Rated capacity is based on 5:1 Design Factor