

OPTIMA™ 5

EGS

Endless Grommet Sling

Crafted from premium UHMWPE fibers, the OPTIMA™ 5 EGS is the strongest synthetic fiber rope produced by ROPERS. Weighing over 80% less than equivalent steel wire slings, it offers enhanced flexibility, convenience, and safety. The OPTIMA™ 5 EGS features precision-matched lengths and tight tolerances, making it an ideal solution for marine, industrial, and heavy lifting environments.

The sling achieves higher strength with the support of its two legs while maintaining the same diameter. Fully covered with wear resistant Cordura sheath, it provides maximum protection against wear, cutting, and snagging. The removable middle section sheath allows for easy inspection and maintenance, with the option to replace the sheath as needed.



Multi-purpose hoisting design



Durable: multiple layers of wear-resistant protection



High strength and light weight



Corrosion resistant, safer and lower maintenance cost



Technical Information

Type	Endless Grommet Sling
Rope Material	Premium UHMWPE
Safety	Proof Loaded
Safety Factor	5:1 or according to customer specifications
Length Tolerance	± 0.3%
Length Tolerance, Matched Pairs	± 0.15%



Vertical Lift Rating to ASME B30.9-2021 5:1 WLL

Diameter	Sling Detail			Rated Capacity (WLL)		
	Circle	Minimum Breaking Load	Minimum Sling Length	Vertical	Choker	Basket
inch	inch	lbs	ft	lbs	lbs	lbs
3/8	1 1/8	34,500	2.3	6,900	5,500	13,800
1/2	1 1/2	54,500	3.0	10,900	8,700	21,800
9/16	1 3/4	69,000	3.3	13,800	11,000	27,600
5/8	2	89,500	3.9	17,900	14,300	35,800
3/4	2 1/4	118,500	4.3	23,700	19,000	47,400
7/8	2 3/4	167,000	5.3	33,400	26,700	66,800
1	3	189,000	5.6	37,800	30,200	75,600
1 1/16	3 1/4	222,000	6.3	44,400	35,500	88,800
1 1/8	3 1/2	247,000	6.6	49,400	39,500	98,800
1 1/4	3 3/4	281,500	7.2	56,300	45,000	112,600
1 5/16	4	330,500	7.6	66,100	52,900	132,200
1 1/2	4 1/2	374,000	7.9	74,800	59,800	149,600
1 5/8	5	483,000	8.6	96,600	77,300	193,200

The product complies with ASME B30.9-2021 standards.

Minimum Breaking Load (MBL) is determined using spliced test samples in accordance with Cordage Institute 1500-02 - Test Method for Fiber Ropes. Minimum D:d>3:1



ROPERs ROPE



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ROPERs
RELIABLE TO THE CORE



OPTIMA™ 5 BRS

Braid Round Sling

- Two load-bearing sling legs
- Fully webbing sheath covered with coating



OPTIMA™ 5 EES

Eye & Eye Sling

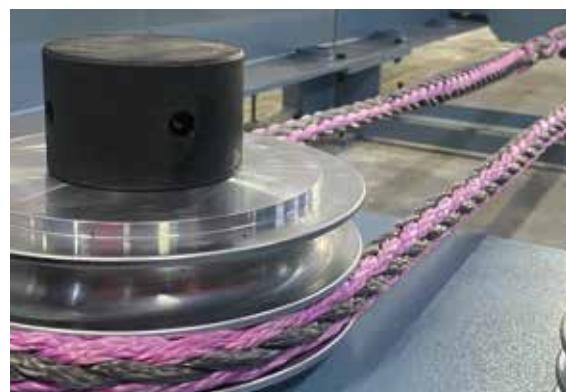
- One load bearing leg
- Removable and replaceable Cordura sheath
- Easy to inspect



OPTIMA™ 5 EGS

Endless Grommet Sling

- Two load-bearing sling legs
- Removable and replaceable Cordura sheath
- Easy to inspect



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