

OPTIMA 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 of hoisting design



Multiple wear-resistant protection and durable



High strength and light weight, operate flexibly



Traceable product information



Corrosion resistant, safer and lower maintenance cost



Technical Information

Construction: Endless Grommet Sling

Rope Material: UHMWPE

Safety: Proof Loaded

Safety Factor: According to Customer Specifications

Length Tolerance: ± 0.3%

Length Tolerance, Matched Pairs: ± 0.15%



Vertical Lift rating to ASME B30.9-2021 (5:1WLL)													
Approximate Diameter	Sling detail				Rated Capacity (WLL)								
	Circle	Minimum Breaking Load	Minimum Sling Length	Vertical	Choker	Basket							
inch mm	inch mm	lbs ton	ft m	lbs ton	lbs ton	lbs ton							
3/8 10	1 1/8 30	34,500 15.7	2.3 0.7	6,900 3.1	5,500 2.5	13,800 6.3							
1/2 12	1 1/2 36	54,500 24.8	3.0 0.9	10,900 5.0	8,700 4.0	21,800 9.9							
9/16 14	1 3/4 42	72,500 33.0	3.3 1.0	14,500 6.6	11,600 5.3	29,000 13.2							
5/8 16	2 48	89,500 40.6	3.9 1.2	17,900 8.1	14,300 6.5	35,800 16.2							
3/4 18	2 1/4 54	118,500 54.0	4.3 1.3	23,700 10.8	19,000 8.6	47,400 21.6							
7/8 22	2 3/4 66	178,000 80.9	5.3 1.6	35,600 16.2	28,500 12.9	71,200 32.3							
1 24	3 72	189,000 85.8	5.6 1.7	37,800 17.2	30,200 13.7	75,600 34.3							
1 1/16 26	3 1/4 78	222,000 100.8	6.3 1.9	44,400 20.2	35,500 16.1	88,800 40.3							
1 1/8 28	3 1/2 84	247,000 112.2	6.6 2.0	49,400 22.4	39,500 18.0	98,800 44.9							
1 1/4 30	3 3/4 90	281,500 127.9	7.2 2.2	56,300 25.6	45,000 20.5	112,600 51.2							
1 5/16 32	4 96	330,500 150.2	7.6 2.3	66,100 30.0	52,900 24.0	132,200 60.1							
1 1/2 36	4 1/2 108	374,000 170.0	7.9 2.4	74,800 34.0	59,800 27.2	149,600 68.0							
1 5/8 40	5 120	483,000 219.5	8.6 2.6	96,600 43.9	77,300 35.1	193,200 87.8							

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.





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



ROPERS ROPE



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