

# OPTIMA™

## Premium Soft Shackle

OPTIMA™ 5 soft shackle made of premium Ultra-High Molecular Weight Polyethylene (UHMWPE). Its high visibility multi-color design and enhanced strength performance make it suitable for higher performance applications. This soft shackle is a lighter and smarter connection method, making it an excellent alternative to traditional cow hitches, steel shackles, or similar hardware. Whether onshore or offshore, OPTIMA™ 5 soft shackle delivers outstanding performance.

The OPTIMA™ 5 soft shackle also features a protective sheath with an attached coating. This function extends the lifespan of the soft shackle and provides additional protection for the connection.

Two types of protective sheaths are available: braided polyester sheath or webbing polyester sheath. The webbing sheath is lighter, allowing for quick and easy connections, making it a more economical choice. On the other hand, the braided sheath offers superior abrasion resistance and UV protection, making it suitable for harsh environments.



Superior performance



Durable, heavy duty  
chafe protection



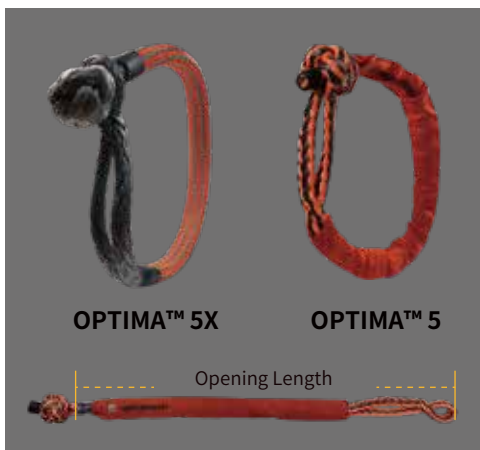
Cut-resistance



Soft and easy to use



Can replace metal  
shackles



### Technical Information

<b>0.98</b> SPECIFIC GRAVITY	<b>1×12/12×12</b> CONSTRUCTION
<b>280°F (140°C)</b> MELTING POINT	<b>150°F (65°C)</b> CRITICAL TEMP
<b>3.2%</b> ELONGATION AT 30% BREAK	<b>0</b> WATER ABSORPTION

Diameter inch	Opening Length inch	Minimum Breaking Strength lbs
<b>1×12 Solid color</b>		
1/4	19	15,000
5/16	31	22,900
3/8	31	34,500
7/16	31	42,000
1/2	31	54,600
9/16	31	69,000
5/8	57	89,300
3/4	57	118,800
7/8	76	167,000
<b>12×12 Multi-color</b>		
1	76	188,800
1 1/16	76	221,800
1 1/8	76	246,800
1 1/4	76	281,400
1 5/16	76	330,400
1 1/2	88	374,000
1 5/8	88	486,400
1 3/4	88	533,700
2	101	595,300
2 1/8	101	718,700

Diameter, weight and MBS are determined in accordance with CI1500-02.  
Custom size and length available by request.



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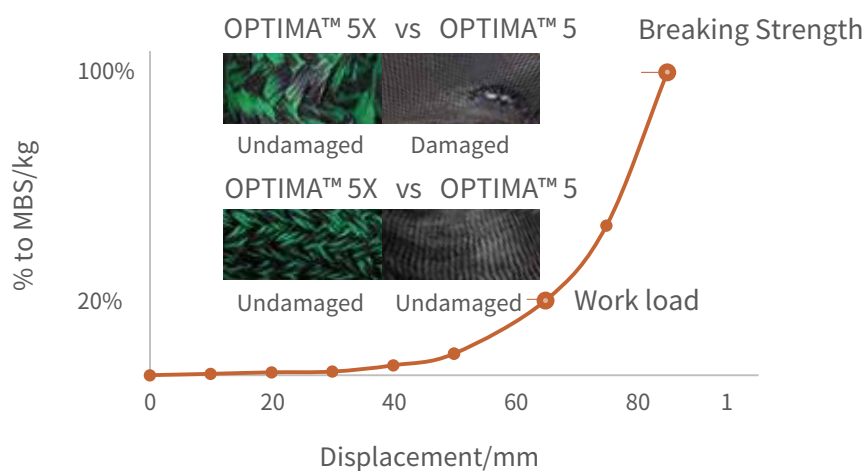
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### Durability Testing



#### OPTIMA™ 5X Braided Sheath



#### OPTIMA™ 5 Webbing Sheath



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