

# OPTIMA 3

## General Soft Shackle



Optima 3 soft shackle made of Ultra-High Molecular Weight Polyethylene (UHMWPE), featuring exceptional strength, cut resistance, and high wear resistance. 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 3 soft shackle delivers outstanding performance.

The Optima 3 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.



High strength and light weight



Heavy duty chafe protection and durable



Cut-resistance



Soft and easy to use



Can replace metal shackles



OPTIMA 3X

OPTIMA 3

Opening Length

### Technical Information

**0.98**  
SPECIFIC GRAVITY

**1x12**  
STRUCTURE

**280°F (140°C)**  
MELTING POINT

**130°F (65°C)**  
CRITICAL TEMP

**4.8%**  
ELONGATION AT 50% BREAK

**0**  
WATER ABSORPTION



Diameter		Opening Length		Minimum Breaking Strength	
inch	mm	inch	cm	lbs	kg
1/4	6	19	48	14,300	6,500
5/16	8	31	80	21,800	9,900
3/8	10	31	80	32,800	14,900
7/16	11	31	80	39,200	17,800
1/2	12	31	80	52,600	23,900
9/16	14	31	80	69,100	31,400
5/8	16	57	144	85,400	38,800
3/4	18	57	144	112,900	51,300
7/8	22	76	192	170,700	77,600
1	24	76	192	181,100	82,300
1 1/16	26	76	192	214,500	97,500
1 1/8	28	76	192	239,600	108,900
1 1/4	30	76	192	272,400	123,800
1 5/16	32	76	192	323,200	146,900
1 1/2	36	88	224	366,700	166,700
1 5/8	40	88	224	468,400	212,900
1 3/4	44	88	224	522,700	237,600
2	48	101	256	584,800	265,800
2 1/8	52	101	256	708,000	321,800

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

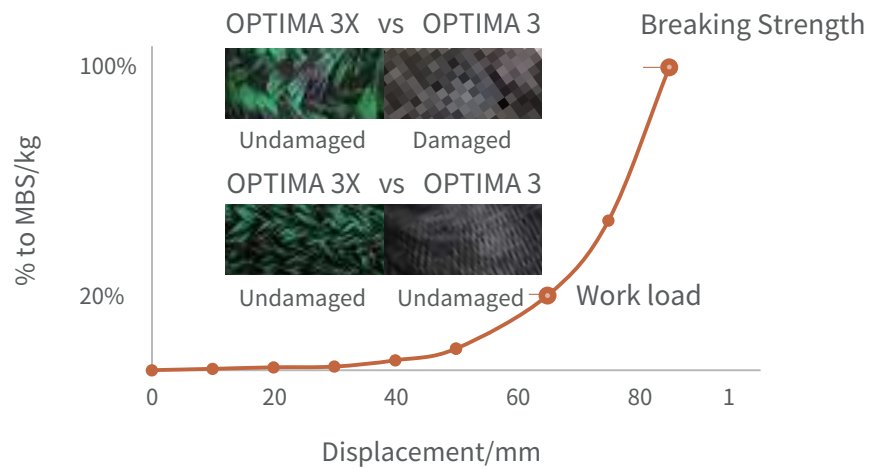




**ROPERS**  
RELIABLE TO THE CORE



**Durability Testing**



**OPTIMA 3X Braided Sheath**



**OPTIMA 3 Webbing Sheath**



WEIGHT

★ ★ ★ ★ ☆

★ ★ ★ ★ ★

UV RESISTANT

UV RESISTANT

★ ★ ★ ★ ☆

★ ★ ★ ★ ☆

WEAR RESISTANT

WEAR RESISTANT

★ ★ ★ ★ ☆

★ ★ ★ ★ ☆



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