

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



Durable, heavy duty chafe protection



Cut-resistance



Soft and easy to use



Can replace metal shackles



Technical Information

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

Diameter	Opening Length	Minimum Breaking Strength
mm	cm	ton
1×12		
6	48	6.4
8	80	9.9
10	80	14.0
11	80	16.0
12	80	23.6
14	80	28.5
16	144	38.8
18	144	51.3
22	192	72.6
24	192	82.3
26	192	97.5
28	192	108.9
30	192	123.8
32	192	146.9
36	224	166.7
12×12		
40	224	216.2
44	224	237.6
48	256	265.8
52	256	321.8

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



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