

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



OPTIMA™ 3X

OPTIMA™ 3

Opening Length

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
inch	inch	lbs
1"×12		
1/4	19	14,200
5/16	31	21,800
3/8	31	30,900
7/16	31	35,600
1/2	31	52,000
9/16	31	62,900
5/8	57	85,300
3/4	57	113,000
7/8	76	159,700
1	76	181,200
1 1/16	76	214,500
1 1/8	76	239,600
1 1/4	76	272,300
1 5/16	76	323,100
1 1/2	88	366,600
12"×12		
1 5/8	88	475,500
1 3/4	88	522,700
2	101	584,800
2 1/8	101	707,900

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



ROPERS ROPE



sales@ropers.com.tw



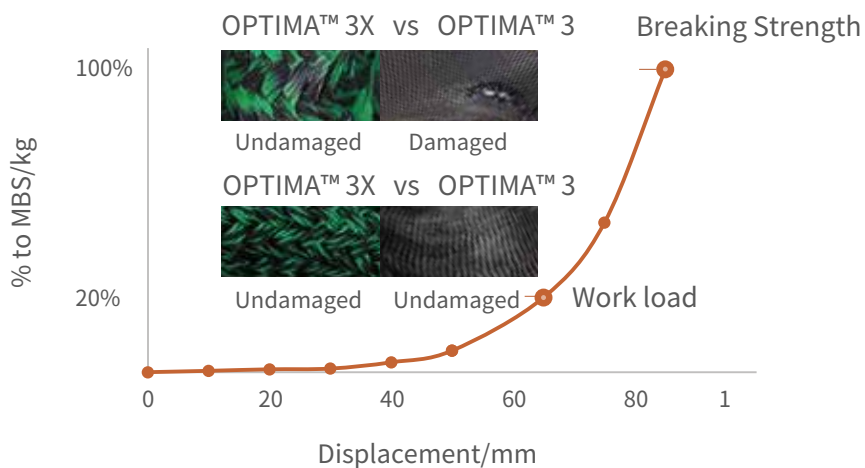
www.ropersrope.com



ROPERS
RELIABLE TO THE CORE



Durability Testing



OPTIMA™ 3X Braided Sheath



OPTIMA™ 3 Webbing Sheath



ROPERS ROPE



sales@ropers.com.tw



www.ropersrope.com