

HOPEX™ 12x12

Ultra High Molecular Weight Polyethylene

Structure: 12x12-strand

HOPEX™ 12x12 construction refers to a specific type of rope construction using ultra-high molecular weight polyethylene (UHMWPE) fiber. The HOPEX™ 12x12 rope is engineered with a unique 12-strand construction, offering enhanced strength and flexibility compared to the traditional HMPE 12 rope. This innovative design allows for a more balanced load distribution, significantly increasing the rope's overall durability and performance under stress.

Features

Specific Gravity: 0.97
 Melting Point: 145
 Breaking Elongation: < 4%
 Abrasion Resistance: Very Good
 Chemical Resistance: Very Good
 UV Resistance: Very Good
 Water Absorption: 0%
 Wet-dry Strength Ratio: 100%

Applications

Mooring Lines
 Towing Lines
 Lifting Slings
 Anchor Lines
 Offshore lines
 Pick Up Lines / Messenger Lines
 Oceanographic Cables
 Fishing Farming
 Wind Farm Lines



Code	Dia		Circ. inch	Weight		Unspliced MBL		LDBF, Spliced MBL	
	mm	inch		kg/100m	lbs/100ft	ton	kN	ton	kN
6101922	40	1-5/8	5	101.7	68.3	137.7	1349	124.0	1215
6101923	44	1-3/4	5-1/2	122.1	82.0	163.3	1600	147.4	1445
6101925	48	2	6	144.3	96.9	190.3	1865	171.4	1680
6101926	52	2-1/8	6-1/2	168.4	113.1	219.4	2150	196.9	1930
6101927	56	2-1/4	7	194.1	130.3	249.0	2440	224.5	2200
6101928	60	2-1/2	7-1/2	221.7	148.8	282.7	2770	254.1	2490
6101930	64	2-5/8	8	251.0	168.5	316.3	3100	284.2	2785
6101931	68	2-3/4	8-1/2	282.0	189.3	352.0	3450	316.3	3100
6101933	72	3	9	314.8	211.3	388.8	3810	350.5	3435
6101934	76	3-1/8	9-1/2	349.5	234.6	428.6	4200	385.7	3780
6101936	80	3-1/4	10	385.5	258.8	468.9	4595	423.5	4150
6101938	88	3-5/8	11	463.2	311.0	555.1	5440	499.0	4890
6101940	96	4	12	547.6	367.6	646.9	6340	581.6	5700

- a. Bespoke diameter and length is available.
- b. ±5% tolerance according to ISO 2307:2010.
- c. LDBF=Line Design Break Force according to OCIMF Mooring Equipment Guidelines 4 (MEG4)

