

PRODUCT SPECIFICATIONS

# QUANTUM-12™



Quantum-12 is a lightweight, high-strength, floating rope that can grip on a capstan or H-bitt. The patented DPX™ fiber technology provides superior abrasion and cut resistance, but with a higher coefficient of friction than other high modulus polyethylene ropes. The 12-strand construction provides added flexibility, improved handling, and easy splicing. The vivid green Samthane coating provides excellent visibility and additional abrasion resistance.

**APPLICATIONS INCLUDE:**

> Barge Tie-Up Line

**PRODUCT CODE:** 873

**FIBER:** HMPE - Polyester Blend

**SPECIFIC GRAVITY:** 0.99

**SPLICE/CLASS:** 12-Strand Class II

**ELASTIC ELONGATION:**

At percent of break strength

10% .....0.65%

20% .....0.75%

30% .....0.90%

**COLOR OPTIONS:**

Vivid green, some sizes also available by special order in black, blue, green, orange, or yellow



DIAM. (INCH)	CIRC. (INCH)	WEIGHT PER 100 FT. (LBS)	AVG. STRENGTH (LBS)	MIN. STRENGTH (LBS)
3/4	2 1/4	11.8	45,300	40,800
7/8	2 3/4	15.2	62,500	56,300
1	3	21	82,500	74,300
1 1/8	3 1/2	25.5	105,000	94,500
1 1/4	3 3/4	31	131,000	118,000
1 5/16	4	33	146,000	131,000
1 3/8	4 1/8	37.5	162,000	146,000
1 1/2	4 1/2	44.7	191,000	172,000
1 5/8	5	50	226,000	203,000
1 3/4	5 1/2	60.8	265,000	239,000
2	6	79.4	349,000	314,000
2 1/8	6 1/2	89.6	397,000	357,000

ISO strength specifications are for unspliced rope. All other strength specifications are for spliced rope.

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DIAM. (INCH)	CIRC. (INCH)	WEIGHT PER 100 FT. (LBS)	AVG. STRENGTH (LBS)	MIN. STRENGTH (LBS)
2 1/4	7	100	448,000	403,000
2 3/8	7 1/8	112	503,000	453,000
2 1/2	7 1/2	125	562,000	506,000
2 5/8	8	138	625,000	563,000
2 3/4	8 1/2	155	682,000	614,000
3	9	179	807,000	726,000
3 1/4	10	213	943,000	849,000
3 1/2	10 1/2	247	1,086,000	977,000
3 5/8	11	266	1,167,000	1,050,000
4	12	324	1,413,000	1,272,000
4 1/4	13	366	1,587,000	1,428,000
4 5/8	14	447	1,869,000	1,682,000
5	15	523	2,173,000	1,956,000
5 1/4	16	577	2,376,000	2,138,000
5 1/2	16 1/2	634	2,573,000	2,316,000
5 5/8	17	656	2,691,000	2,422,000
6	18	755	3,003,000	2,703,000
6 1/4	19	820	3,204,000	2,884,000
6 5/8	20	922	3,579,000	3,221,000



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