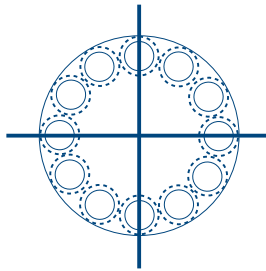


Quantum-12™

Quantum-12 is a lightweight, high-strength, floating rope that can grip on a capstan or H-bitt.



Description



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.

Product Code:
873

Fiber (Core/Cover):
Dyneema®-Polyester Blend

Specific Gravity:
0.99 (Floats)

Splice:
12 - Strand Class II

Manufacturer:
Samson Rope Technologies, Inc.

Features

- Easy to handle
- Easy to inspect
- Easy to splice
- Excellent abrasion resistance
- Excellent grip
- Flexible
- Floats
- High coefficient of friction
- High strength
- Lightweight
- Samthane coated
- Wire rope replacement

Applications

- Barge Tie-Up Line
- General Working Line / Vessel Mooring
- H-Bitt Working Line / Tug Assist
- Lifting Sling / Offshore
- Lifting Sling / Utility
- Other Fishing Line
- Primary Mooring Line / Non-jacketed
- Secondary Mooring Line
- Tug Mainline
- Tug Pendant
- Winch Line / Offshore
- Winch Line / Tug
- Winch Line / Utility
- Working Line / Offshore

Quantum-12™

Specifications

Diameter (in)	Circum. (in)	Weight per 100 ft. (lbs.)	Average Strength (lbs)	Minimum Strength (lbs)	Diameter (mm)	Circum. (mm)	Weight per 100M	Average Strength (kg)	Minimum Strength (kg)	ISO 2307 Strength (mt)
3/4	2-1/4	11.8	45,300	40,800	18	54	17.6	20,500	18,500	20.5
7/8	2-3/4	15.2	62,500	56,300	22	66	22.6	28,400	25,500	28.4
1	3	21.0	82,500	74,300	24	72	31.2	37,400	33,700	37.4
1-1/8	3-1/2	25.5	105,000	94,500	28	84	37.9	47,600	42,900	47.6
1-1/4	3-3/4	31.0	131,000	118,000	30	90	46.1	59,400	53,500	59.4
1-5/16	4	33.0	146,000	131,000	32	96	49.1	66,200	59,600	66.2
1-3/8	4-1/8	37.5	162,000	146,000	34	100	55.8	73,500	66,100	73.5
1-1/2	4-1/2	44.7	191,000	172,000	36	108	66.5	86,600	78,000	86.6
1-5/8	5	50.0	226,000	203,000	40	120	74.4	103,000	92,300	103
1-3/4	5-1/2	60.8	265,000	239,000	44	132	90.5	120,000	108,000	120
2	6	79.4	349,000	314,000	48	144	118	158,000	142,000	158
2-1/8	6-1/2	89.6	397,000	357,000	52	156	133	180,000	162,000	180
2-1/4	7	100	448,000	403,000	56	168	149	203,000	183,000	203
2-3/8	7-1/8	112	503,000	453,000	57	174	167	228,000	205,000	228
2-1/2	7-1/2	125	562,000	506,000	60	180	186	255,000	229,000	255
2-5/8	8	138	625,000	563,000	64	192	205	284,000	255,000	284
2-3/4	8-1/2	155	682,000	614,000	68	204	231	309,000	278,000	309
3	9	179	807,000	726,000	72	216	266	366,000	329,000	366
3-1/4	10	213	943,000	849,000	80	240	317	428,000	385,000	428
3-5/8	11	266	1,167,000	1,050,000	88	264	396	529,000	476,000	529
4	12	324	1,413,000	1,272,000	96	288	482	641,000	577,000	641
4-1/4	13	366	1,587,000	1,428,000	104	312	545	720,000	648,000	720
4-5/8	14	447	1,869,000	1,682,000	112	336	665	848,000	763,000	848
5	15	523	2,173,000	1,956,000	120	360	778	986,000	887,000	986
5-1/4	16	577	2,376,000	2,138,000	128	384	859	1,078,000	970,000	1,078
5-1/2	16-1/2	634	2,573,000	2,316,000	134	400	943	1,167,000	1,050,000	1,167
5-5/8	17	656	2,691,000	2,422,000	142	426	976	1,221,000	1,099,000	1,221
6	18	755	3,003,000	2,703,000	152	456	1,123	1,362,000	1,226,000	1,362
6-1/4	19	820	3,204,000	2,884,000	158	474	1,220	1,453,000	1,308,000	1,453
6-5/8	20	922	3,579,000	3,221,000	168	504	1,372	1,623,000	1,461,000	1,623

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

MATERIALS | QUANTUM-12™

MATERIALS

