

PRODUCT SPECIFICATIONS

# AmSteel®-Blue



AmSteel-Blue is a high-performance 12-strand single braid of 100% Dyneema® fiber, AmSteel-Blue yields the maximum strength-to-weight ratio, very low stretch, and is stronger than the same sized wire rope—but it's so light, it floats. It has extremely low stretch, superior flex fatigue, and wear resistance. Made with Dyneema® fiber, AmSteel-Blue is Samthane coated, which enhances the fiber's already high abrasion and cut resistant characteristics. It's the highest strength single braid Samson makes. Samthane coating enhances this rope's already high abrasion and cut resistance. AmSteel®-Blue is recommended for split-drum winch applications. It is not recommended for use on H-bitts, capstans, or cleats if surging or rendering the rope is required. AmSteel-Blue has been verified by ABS according to MEG4, and is type approved by: ABS, BV, DNV, Lloyd's, and RMRS. AmSteel-Blue is available with the option of sustainable, bio-sourced fiber. Now, reducing your impact on the planet doesn't mean reducing quality or sacrificing strength.

**FEATURES AND BENEFITS:**

- > Abrasion resistant
- > Easy to inspect
- > Easy to splice
- > Excellent wear characteristics
- > Extremely low stretch
- > Flexible
- > Floats
- > High strength
- > Highly flex-fatigue resistant
- > Lightweight
- > Maximum strength-to-weight ratio
- > Samthane coated
- > Similar elastic elongation to wire rope
- > Torque-free construction
- > Wire rope replacement

**APPLICATIONS INCLUDE:**

- > General Working Line
- > Primary Mooring Line

**PRODUCT CODE:** 872

**FIBER:** HMPE

**SPECIFIC GRAVITY:** 0.98

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

**ELASTIC ELONGATION:**

At percent of break strength

10% .....	0.46%
20% .....	0.70%
30% .....	0.96%

**COLOR OPTIONS:**

Blue, some sizes also available by special order in black, gray, green, orange, red, or yellow



DIAM. (INCH)	CIRC. (INCH)	WEIGHT PER 100 FT. (LBS)	AVG. STRENGTH (LBS)	MIN. STRENGTH (LBS)
7/64	5/16	0.3	1,600	1,400
1/8	3/8	0.5	2,500	2,300
5/32	15/32	0.75	4,000	3,600
3/16	9/16	1	5,400	4,900
1/4	3/4	1.6	8,600	7,700

*Size 7/64" (2.5 mm) changes from 12-strand to 8-strand construction. 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)
5/16	1	2.7	13,700	12,300
3/8	1 1/8	3.4	19,600	17,600
7/16	1 1/4	4.5	23,900	21,500
1/2	1 1/2	5.9	34,000	30,600
9/16	1 3/4	7.9	40,500	36,500
5/8	2	10.2	52,800	47,500
3/4	2 1/4	13.3	64,400	58,000
13/16	2 1/2	17	82,000	73,800
7/8	2 3/4	19.6	90,800	81,700
1	3	21.8	109,000	98,100
1 1/32	3 1/8	26	125,000	113,000
1 1/16	3 1/4	27.5	134,000	121,000
1 1/8	3 1/2	31.9	148,000	133,000
1 1/4	3 3/4	36.2	165,000	149,000
1 5/16	4	41.8	185,000	167,000
1 3/8	4 1/8	45	205,000	185,000
1 1/2	4 1/2	51.7	228,000	205,000
1 9/16	4 3/4	57.6	254,000	229,000
1 5/8	5	65.2	283,000	255,000
1 11/16	5 1/4	71	307,000	276,000
1 3/4	5 1/2	78.4	335,000	302,000
2	6	86.4	392,000	353,000
2 1/16	6 1/4	95	418,000	376,000
2 1/8	6 1/2	109	457,000	411,000
2 1/4	7	116	537,000	483,000
2 1/2	7 1/2	148	588,000	529,000
2 5/8	8	167	662,000	596,000
2 3/4	8 1/2	187	735,000	662,000
3	9	206	832,000	749,000



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