



**12-Strand  
HMPE Fiber**



## AmSteel®-Blue

Product Code: 872

AmSteel®-Blue is the latest development of HMPE fiber in a twelve-strand braided rope utilizing Parallay™ design with our proprietary blue Samthane™ urethane coating. This twelve-strand braided rope yields the maximum in strength-to-weight ratio and is stronger than wire rope constructions--yet it floats. It also has the best flex-fatigue and wear resistance when compared to products made of HMPE or post-drawn HMPE fibers.

### FEATURES/BENEFITS

- ➔ Lightweight and Flexible
- ➔ Superior wear life
- ➔ Floats
- ➔ Fast and easy to splice
- ➔ Highest resistance to wear and flex-fatigue
- ➔ Non-rotational

See other side for additional product information.

SIZE			WEIGHT		AVERAGE Strength		MINIMUM Strength	
Dia.		Circ.	Lbs per	Kg per	Strength		Strength	
Inches	mm	Inches	100 Ft.	100 M	Lbs	Kg	Lbs	Kg
3/16"	5	9/16"	1.0	1.5	5,400	2,449	4,860	2,204
1/4"	6	3/4"	1.6	2.4	9,200	4,173	8,280	3,756
5/16"	8	1"	2.7	4.0	13,700	6,214	12,330	5,593
3/8"	9	1-1/8"	3.6	5.4	20,445	9,274	18,401	8,347
7/16"	11	1-1/4"	4.2	6.3	23,925	10,852	21,533	9,767
1/2"	12	1-1/2"	6.4	9.5	36,250	16,443	32,625	14,799
9/16"	14	1-3/4"	7.9	11.8	44,660	20,258	40,194	18,232
5/8"	16	2"	10.2	15.2	59,015	26,769	53,114	24,093
3/4"	18	2-1/4"	13.3	19.8	69,600	31,571	62,640	28,414
13/16"	20	2-1/2"	15.8	23.6	81,925	37,161	73,733	33,445
7/8"	22	2-3/4"	19.6	29.2	98,310	44,593	88,479	40,134
1"	24	3"	21.8	32.4	116,000	52,618	104,400	47,356
1-1/16"	26	3-1/4"	27.5	41.0	131,300	59,558	118,170	53,602
1-1/8"	28	3-1/2"	31.9	47.4	147,900	67,087	133,110	60,379
1-1/4"	30	3-3/4"	36.2	53.9	165,300	74,980	148,770	67,482
1-5/16"	32	4"	41.8	62.2	184,150	83,530	165,735	75,177
1-1/2"	36	4-1/2"	51.7	77.0	227,650	103,262	204,885	92,936
1-5/8"	40	5"	65.2	97.0	283,185	128,453	254,867	115,608
1-3/4"	44	5-1/2"	78.4	116.6	334,950	151,933	301,455	136,740
2"	48	6"	87.0	129.5	380,625	172,652	342,563	155,387
2-1/8"	52	6-1/2"	109.0	162.2	456,750	207,182	411,075	186,464
2-1/4"	56	7"	116.0	172.6	537,443	243,784	483,698	219,406
2-1/2"	60	7-1/2"	148.0	220.3	588,000	266,717	529,200	240,045
2-5/8"	64	8"	167.0	248.5	661,500	300,056	595,350	270,051
2-3/4"	68	8-1/2"	187.0	278.3	735,000	333,396	661,500	300,056
3"	72	9"	206.0	306.6	830,550	376,737	747,495	339,064
3-1/4"	80	10"	240.0	357.2	1,006,950	456,753	906,255	411,077

Specific Gravity:  
.98 (Floats)

*Stated strength are approximate averages of new rope. Construction, materials, and specifications subject to change without notice. Please visit [samsonrope.com](http://samsonrope.com) for the most current product specifications. Important information on Standards for Strengths and Usage is published in our catalog, product list and price list.*

# AmSteel®-Blue - Additional Information

## ELASTIC ELONGATION

At stated % of Break Strength

% Break Strength	10%	20%	30%
% Elastic Elongation	0.46%	0.70%	0.96%

Based on rope stabilized from 200D<sup>2</sup>. Rope cycled 50 times at each percent of break strength.



## QUALITY ASSURANCE & ISO CERTIFICATION

Quality assurance monitoring is a critical aspect of our manufacturing operation. Two key components of quality assurance are plant-wide ISO 9001-2000 certification and product testing facilities.

**CERTIFICATION:** Samson was one of the first US rope manufacturers to receive ISO 9001-2000 certification. All three Samson manufacturing facilities are ISO 9001-2000 certified, testimony to our commitment to quality and industry leadership.

**TESTING CAPABILITY:** Routine inspection, computerized production documents and individual manufacturing specifications for all products help ensure the highest level of quality throughout the production phase. Because our plants are equipped with the necessary equipment, we are able to audit and verify product quality throughout the production process. Our quality assurance processes include:

- Integrated product development and production software that translates engineering specifications into production orders for manufacturing.
- Specialized production documents for processing high modulus fibers.
- Standardized procedures for inspection, analysis and testing of in-process product as well as finished goods.
- Individual specifications for all products.