

# EverSteel™-X

Product Code: 844



## TECHNICAL SPECIFICATIONS†

FIBER: Dyneema®

SPECIFIC GRAVITY: 0.98 (floats)

COLOR: Blue and black

ELASTIC ELONGATION PERCENTAGE:

At % of break strength

10% ..... 0.30%

20% ..... 0.55%

30% ..... 0.80%

SPLICE/CLASS: 12-Strand Class II

EverSteel-X is the first line to be designed specifically for FSRU mooring applications, using Dyneema Max DM20 technology to achieve superior creep performance and flex-fatigue resistance. It is a torque-free 12-strand single-braid that is optimized in strength-to-size and strength-to-weight ratios. Size-for-size, it has the same strength as steel, but it's so light, it floats. With the addition of a Samson proprietary coating, EverSteel-X is designed for long-term, continuous load conditions, and will last for long-term FSRU mooring applications. These features point to EverSteel-X as the best choice for FSRU mooring.

### DM20: Dyneema Max Technology

DSM Dyneema DM20 fiber enables ultra high strength at low weight and unrivalled rope strength, stiffness, durability and longevity.

This fiber is designed, at the molecular level, to deliver high performance in continuous or permanently-loaded applications. DM20 has long-term dimensional stability and a long creep life unrivaled by other HMPE in the market today.

## FEATURES & BENEFITS

- > Superior creep performance
- > Flex-fatigue resistant
- > Floats in water
- > Size-for-size as strong as wire
- > Durable and lightweight
- > Made with Dyneema® DM20 fiber

## APPLICATIONS

- > Long-term Primary Mooring Line

SIZE DIAMETER INCHES	SIZE CIRCUMFERENCE INCHES	WEIGHT PER 100 FT. POUNDS	MINIMUM BREAKING STRENGTH* POUNDS	SIZE DIAMETER MILLIMETERS	SIZE CIRCUMFERENCE MILLIMETERS	WEIGHT PER 100 m KILOGRAMS	MINIMUM BREAKING STRENGTH* METRIC TONS	BS EN ISO 2307:2010 STRENGTH** METRIC TONS
1-5/8"	5"	62.1 lb	255,000 lb	40 mm	120 mm	92.4 kg	116 mt	128 mt
1-11/16"	5-1/4"	65.5 lb	278,000 lb	42 mm	126 mm	97.5 kg	126 mt	140 mt
1-3/4"	5-1/2"	72.2 lb	312,000 lb	44 mm	132 mm	107 kg	142 mt	157 mt
2"	6"	81.5 lb	347,000 lb	48 mm	144 mm	121 kg	158 mt	175 mt

\*Spliced strength \*\* This standard replaces BS EN 919 and ISO 2307:1995 and is for unspliced strengths.

†Due to our continued research and development of product performance, the specifications listed herein are subject to change. For the most current sizes, weights, and strengths, go to [SamsonRope.com](http://SamsonRope.com).

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Dyneema® is a registered trademark of Royal DSM N.V. Dyneema is DSM's high-performance polyethylene product.

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