

# EverSteel-X

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.



## Description

EverSteel-X 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.

**Product Code:**  
844

**Fiber (Core/Cover):**  
Dyneema®

**Specific Gravity:**  
.98 (Floats)

**Manufacturer:**  
Samson Rope Technologies, Inc.

## Features

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

## Applications

- General Working Line / Vessel Mooring
- Primary Mooring Line /

MATERIALS | EVERSTEEL-X

MATERIALS



# EverSteel-X

## 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) | ISO2307 Strength (mt) |
|---------------|--------------|---------------------------|------------------------|------------------------|---------------|--------------|-----------------|-----------------------|-----------------------|-----------------------|
| 1-5/8         | 5            | 59.7                      | 285,000                | 256,000                | 40            | 120          | 88.8            | 129,000               | 116,000               | 129                   |
| 1-11/16       | 5-1/4        | 65.7                      | 312,000                | 280,000                | 42            | 126          | 97.7            | 141,000               | 127,000               | 141                   |
| 1-3/4         | 5-1/2        | 71.6                      | 342,000                | 308,000                | 44            | 132          | 107             | 155,000               | 140,000               | 155                   |
| 1-7/8         | 5-5/8        | 76                        | 360,000                | 324,000                | 46            | 136          | 113             | 163,000               | 147,000               | 163                   |
| 2             | 6            | 87                        | 409,000                | 368,000                | 48            | 144          | 129             | 186,000               | 167,000               | 186                   |

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

MATERIALS | EVERSTEEL-X

MATERIALS

