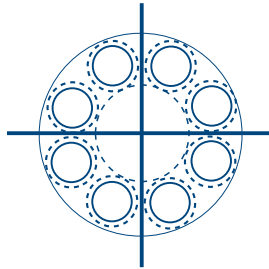


PROTON®-8

PROTON®-8 uses Dyneema® fiber for high strength and low weight, with a polyester overlay to provide the heat resistance and grip necessary for use on bitts and capstans.



Description

Its flexible, torque-free, 8-strand construction performs well on both single- and split-drum winches. PROTON®-8 is Samthane coated, which increases wear life.

Product Code:
830

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

Specific Gravity:
1.09

Splice:
8 - Strand Class II

Manufacturer:
Samson Rope Technologies, Inc.

Features

- Easy to splice
- Firm, yet flexible
- Heat resistant
- High coefficient of friction
- High strength-to-weight ratio
- Low water absorption
- Solid grip on winch drums, bitts, and capstans
- Torque-free construction

Applications

- Barge and Dredge Working Line
- General Working Line / Vessel Mooring
- H-Bitt Working Line / Tug Assist
- Other Fishing Line
- Primary Mooring Line / Non-jacketed
- Secondary Mooring Line
- Trawl or Bridle Line
- Tug Mainline
- Winch Line / Tug

PROTON®-8

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)
1	3	25.0	61,000	54,900	24	72	37.2	27,700	24,900	27.7
1-1/8	3-1/2	30.5	76,600	68,900	28	84	45.4	34,700	31,300	34.7
1-1/4	3-3/4	38.5	96,600	86,900	30	90	57.3	43,800	39,400	43.8
1-5/16	4	41.5	116,000	104,000	32	96	61.8	52,400	47,200	52.4
1-3/8	4-1/8	46.0	120,000	108,000	34	100	68.4	54,300	48,800	54.3
1-1/2	4-1/2	55.4	139,000	125,000	36	108	82.4	63,000	56,700	63.0
1-5/8	5	68.0	156,000	140,000	40	120	101	70,600	63,500	70.6
1-3/4	5-1/2	74.8	211,000	190,000	44	132	111	95,700	86,100	95.7
2	6	99.0	264,000	238,000	48	144	147	120,000	108,000	120
2-1/8	6-1/2	112	308,000	277,000	52	156	167	140,000	126,000	140
2-1/4	7	125	351,000	316,000	56	168	186	159,000	143,000	159
2-3/8	7-1/8	140	425,000	383,000	57	174	208	193,000	174,000	193
2-1/2	7-1/2	149	440,000	396,000	60	180	222	200,000	180,000	200
2-5/8	8	172	485,000	436,000	64	192	257	220,000	198,000	220
2-3/4	8-1/2	188	520,000	468,000	68	204	280	236,000	212,000	236
3	9	198	602,000	542,000	72	216	294	273,000	246,000	273
3-1/4	10	254	698,000	628,000	80	240	378	317,000	285,000	317

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