

# HYPER-XII<sup>TM</sup>

HMPE PERFORMANCE ROPES

Combining Small Diameters with High Breaking Strengths, the Tightest Rope with the Highest Breaking Strengths

## GENERAL

- 12-Strand Braided Rope Made of HMPE
- Commonly Known as **HMPE**:  
High Modulus PolyEthylene
- Superior Abrasion Resistance
- Very High Strength with  
Low Weight to Diameter Ratio
- Easy in Handling and Operation
- Comparable to Steel Wire Characteristics

## FEATURES

<b>Material:</b>	Ultra – High Molecular Weight Polyethylene
<b>Construction:</b>	12-Strand Braided
<b>Treatment:</b>	Marine Finish
<b>Color of Rope:</b>	Blue
<b>Approx. Specific Density:</b>	0.975 Floating
<b>Melting Point:</b>	145° C
<b>Abrasion Resistance:</b>	Excellent
<b>U.V. Resistance:</b>	Good
<b>Temperature Resistance:</b>	70°C Max Continuous
<b>Chemical Resistance:</b>	Excellent
<b>Dry &amp; Wet Conditions:</b>	Wet Strength Equals Dry Strength

DIAMETER (MM)	DIAMETER (INCH)	CIRCUMFERENCE (INCH)	WEIGHT LB/ 100'	MINIMUM BREAKING STRENGTH *
5	3/16	9/16	1.0	4,900
6	1/4	3/4	1.6	7,700
8	5/16	1	2.7	12,300
9	3/8	1 1/8	3.6	17,600
11	7/16	1 1/4	4.2	21,500
12	1/2	1 1/2	6.4	30,600
14	9/16	1 3/4	7.9	36,500
16	5/8	2	10.2	47,500
18	3/4	2 1/4	13.3	58,000
22	7/8	2 3/4	19.6	81,700
24	1	3	21.8	98,100
28	1 1/8	3 1/2	31.9	133,000
30	1 1/4	3 3/4	36.2	149,000
32	1 5/16	4	41.8	166,000
34	1 3/8	4 1/8	45.0	185,000
36	1 1/2	4 1/2	51.7	205,000
40	1 5/8	5	65.2	255,000
44	1 3/4	5 1/2	78.4	302,000
48	2	6	87.0	343,000
52	2 1/8	6 1/2	109.0	411,000
56	2 1/4	7	116.0	484,000
60	2 1/2	7 1/2	148.0	529,000
64	2 5/8	8	167.0	595,000
68	2 3/4	8 1/2	187.0	662,000
72	3	9	206.0	749,000

\* SPLICED STRENGTH

## SECTORS

- Passenger and Container Ships
- Bulk Carriers
- LNG and LPG Carrier Barges
- Tugs, Harbor Towing and Dredgers
- Fishing Vessels and Nets



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