



MAGNARO® - Float

PRODUCT PROPERTIES

Material	High Tenacity Polyolefin & High Tenacity Polyester
Construction	8- or 12-strand
Jacketed	No
Rotating	No
Color of Rope	White with 2 red markers
Specific Gravity	0.99 Floating
Melting Point	165°C
Abrasion Resistance	Very Good
U.V. Resistance	Very Good
Chemical Resistance	Very Good
Dry & Wet Conditions	Identical wet & dry strengths

FEATURES & BENEFITS

- Mixed or composite rope of Polyolefin and Polyester
- Special marine finish is applied for better wear resistance in the marine environment
- Ideal mooring rope for all types of ships because of its buoyancy, excellent handling properties, high strength and very good abrasion resistance.
- Our custom made high tenacity polyester Magnaro® Sleeve is pre-installed on both ends of the ropes, protecting the entire length of the eye against abrasion

Dia.	Circ.	Weight	MBL (Unspliced)		MBL/LDBF*(Spliced)	
			Ton	kN	Ton	kN
28	3 1/2	44.7	16.8	165	15.1	149
30	3 3/4	51.4	19.4	190	17.4	171
32	4	58.5	22.0	216	19.8	194
34	4 1/4	66.0	24.8	243	22.3	218
36	4 1/2	72.0	28.0	275	25.2	247
38	4 3/4	80.2	31.2	305	28.0	274
40	5	83.6	36.7	360	33.0	324
42	5 1/4	92.1	40.5	397	36.4	356
44	5 1/2	99.1	44.0	431	39.6	388
46	5 3/4	108	48.1	471	43.2	423
48	6	118	50.5	495	45.4	446
50	6 1/4	128	54.9	538	49.3	483
52	6 1/2	136	58.8	576	52.9	518
54	6 3/4	147	63.4	622	57.0	558
56	7	158	67.7	663	60.9	598
58	7 1/4	169	72.7	712	65.3	640
60	7 1/2	179	77.5	760	69.7	684
62	7 3/4	191	82.8	812	74.4	729
64	8	203	87.0	853	78.3	768
66	8 1/4	216	92.6	907	83.2	815
68	8 1/2	228	98.1	961	88.2	865
70	8 3/4	242	104	1,020	93.5	916
72	9	255	109	1,068	98.1	961
76	9 1/2	284	122	1,192	109	1,071
80	10	313	132	1,294	119	1,165
84	10 1/2	345	146	1,428	131	1,283
88	11	376	157	1,539	141	1,385
92	11 1/2	411	172	1,684	154	1,514
96	12	447	191	1,872	172	1,685

*LDBF as per OCIMF MEG4 recommendations (spliced dry condition (wet for nylon))

APPLICATIONS ELONGATION

MOORING

- Main Line
- Tail

Elongation at % of MBL :	
MBL	Elongation
20%	4.5%
40%	8.4%
60%	11.8%
100%	16.1%