



## MAGNARO® - Nylon

### PRODUCT PROPERTIES

Material	Nylon
Construction	8-strand
Jacketed	No
Rotating	No
Color of Rope	White
Specific Gravity	1.14 Non-Floating
Melting Point	215°C
Abrasion Resistance	Excellent
U.V. Resistance	Very good
Chemical Resistance	Excellent
Dry & Wet Conditions	Strength decreases 15% when wet

### FEATURES & BENEFITS

- Nylon is the world's first true synthetic textile fibre
- Produced according to the latest EN and ISO standards
- Combines high strength and excellent abrasion resistance
- Its high elasticity makes the rope very suitable as a mooring tail
- Our custom made high tenacity polyester Magnaro® Sleeve is pre-installed on both ends of the ropes and tails, protecting the entire length of the eye against abrasion

### APPLICATIONS

#### MOORING

- Main Line
- Tail

### ELONGATION

Elongation at % of MBL :	
MBL	Elongation
20%	10.5%
40%	18.0%
60%	23.6%
100%	30.3%

Dia. mm	Circ. inch	Weight kg/100m	MBL (Unspliced)		MBL/LDBF*(Spliced)	
			Ton	kN	Ton	kN
40	5	95.5	42.0	412	32.1	315
42	5 1/4	106	46.1	452	35.3	346
44	5 1/2	117	50.3	494	38.5	378
46	5 3/4	128	55.0	539	42.1	413
48	6	139	58.1	570	44.5	436
50	6 1/4	151	63.1	619	48.3	473
52	6 1/2	164	67.8	665	51.9	508
54	6 3/4	177	73.1	717	55.9	548
56	7	190	76.8	753	58.7	576
58	7 1/4	204	82.3	808	63.0	618
60	7 1/2	219	86.3	847	66.0	648
62	7 3/4	234	92.1	903	70.5	691
64	8	249	99.0	971	75.7	743
66	8 1/4	264	105	1,031	80.4	789
68	8 1/2	281	112	1,094	85.3	837
70	8 3/4	298	118	1,158	90.4	886
72	9	316	122	1,200	93.6	918
76	9 1/2	351	136	1,336	104	1,022
80	10	389	150	1,471	115	1,125
84	10 1/2	428	165	1,621	126	1,240
88	11	469	178	1,742	136	1,332
92	11 1/2	512	194	1,903	148	1,455
96	12	552	208	2,036	159	1,557
100	12 1/2	599	225	2,209	172	1,690
104	13	649	246	2,413	188	1,845
108	13 1/2	700	260	2,547	199	1,948
112	14	753	270	2,648	207	2,026
116	14 1/2	807	289	2,839	221	2,172
120	15	864	310	3,038	237	2,324

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