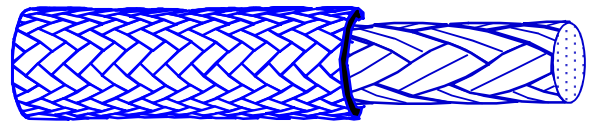


## SPM DB12



### Construction

Ropes with a double-braid design are traditionally the preferred construction for single point mooring hawsers.

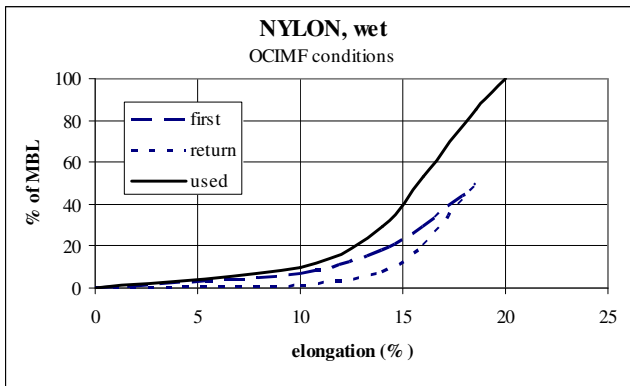
### Material Properties

Polyamide or Nylon was the first synthetic fibre discovered. It is available as a fibre as nylon 6 and nylon 6-6. In ropes both types are generally equally suitable. Since nylon was the first fibre discovered it is better established than polyester but the fatigue properties of polyester are better than those of nylon.. Under normal conditions of use nylon 6 is influenced water; it has a softening effect. The UV resistance is acceptable.

### Features

➤	<b>Materials</b>	Polyamide (nylon)
➤	<b>Construction</b>	12 strand braided with a braided cover of polyamide
➤	<b>Treatment</b>	Marine finish
➤	<b>Colour of Rope</b>	White with green marker
➤	<b>Approx. Spec. Density</b>	1,14 non-floating
➤	<b>Melting point</b>	215°C
➤	<b>Abrasion Resistance</b>	Excellent
➤	<b>U.V. resistance</b>	Excellent, due to jacket
➤	<b>Temperature resistance</b>	80°C max continuous
➤	<b>Chemical resistance</b>	Reasonable; acids, oxidisers & solvents will affect nylon
➤	<b>Dry &amp; wet conditions</b>	Wet strength ± 5% lower than dry strength
➤	Break Load and length according to OCIMF	
➤	<b>Weight</b>	± 5%
➤	<b>Diameter</b>	± 2%

dia	circ	weight	BL SINGLE				BL GROMMET			
			dry		wet		dry		wet	
			tf	kN	tf	kN	tf	kN	tf	kN
80	10	397	147	1442	140	1370	250	2452	237	2329
88	11	481	178	1746	169	1659	303	2969	287	2820
96	12	572	208	2040	198	1938	354	3469	336	3295
104	13	671	249	2443	237	2321	423	4153	402	3945
112	14	779	288	2825	274	2684	490	4803	465	4563
120	15	893	327	3208	311	3047	556	5453	528	5181
128	16	1020	368	3610	350	3430	626	6137	594	5830
136	17	1150	419	4110	398	3905	712	6988	677	6638
144	18	1280	470	4611	447	4380	799	7838	759	7446
152	19	1425	521	5111	495	4855	886	8689	841	8254
160	20	1580	578	5670	549	5387	983	9639	933	9157



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