

Atlas® 6 strand

CONSTRUCTION

Atlas® lines are six-strand ropes from Nylon. Mono- and multi-filaments are combined in the strands. The mono-filaments give the ropes excellent dimensional stability and abrasion resistance. The splicing technique for Atlas is very similar to wire rope. The stretch of the nylon in combination with the dimensional stability makes these lines ideal for mooring, especially on a constant-tension winch.



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.

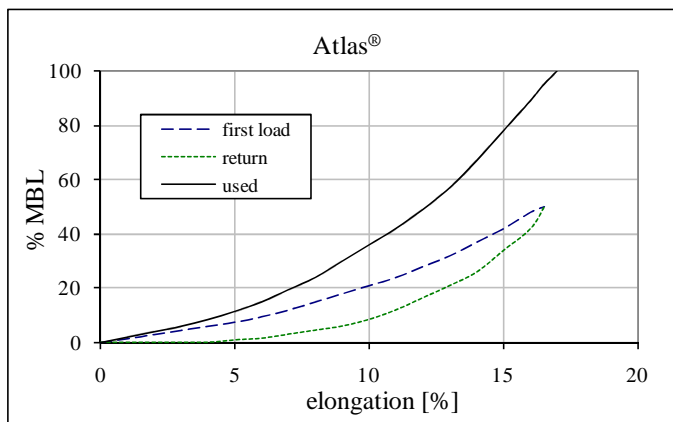
FEATURES

- Material: 100% high tenacity nylon (mono-and multi-filament)
- Construction: 6 strand crosslay
- Treatment: None
- Colour of Rope: White with a red marker yarn.

- Approx. Spec. Density 1,14 non floating
- Melting Point: 215° C
- Abrasion Resistance: Excellent
- U.V.resistance: Excellent
- Temperature resistance: 80° C max continuous
- Chemical resistance: Reasonable, acids, oxidisers & solvents will affect the material
- Dry & wet conditions: Can be stowed wet

- Range of use: As winch lines, mooring lines, anchor lines and heavy duty applications

Dia mm	Circ. "	Min. Break Load		Weight	
		tf	kN	kg/100m	kg/coil
18	2 1/4	8,60	84,4	22,0	48,4
20	2 1/2	10,9	107	27,5	60,5
22	2 3/4	13,6	133	34,5	75,9
24	3	15,7	154	40,0	88,0
26	3 1/4	18,2	179	46,5	102
28	3 1/2	20,1	197	51,5	113
32	4	25,3	248	65,0	143
36	4 1/2	32,0	314	83,2	183
40	5	38,4	377	100	220
44	5 1/2	50,0	491	125	275
48	6	59,0	579	148	326
52	6 1/2	63,7	625	160	352
56	7	78,5	770	200	440
60	7 1/2	85,5	839	217	477
62	7 3/4	92,8	910	235	517
64	8	97,0	952	245	539
68	8 1/2	110	1079	280	616
70	8 3/4	122	1197	310	682
72	9	127	1246	335	737
78	9 3/4	136	1334	364	801
84	10 1/2	158	1550	425	935
90	11 1/4	186	1825	505	1111
96	12	215	2109	585	1287



Coil length: 220m
 Spliced strength: ± 10% lower
 Weight and length tolerance: ± 5%
 Diameter: ± 2%

MBL = Minimum Breaking Load conform ISO 2307