

ORION® LINE PREMIUM

PRODUCT DESCRIPTION

A new generation of Orion® Line has now been developed in a composition of polyester with high tenacity polypropylene fibres. Due to intensive research and development we have achieved an improved breaking strength of 15% over the previous Orion® Line. This combination of fibres has proven in the practical field to be highly suitable in situations where the strength of the rope must be superior to standard polypropylene. Abrasion-resistance is substantially increased, which improves safety and the life-time of this rope. Orion® Line Premium has a specific gravity of 0,98, therefore it floats.

Orion® Line Premium is produced in 8 and 12 strands plaited, which are kink free constructions. Orion® Line Premium can also be available in 3 and 4 strands on request. The UV-stabilizer protects the rope against deterioration by UV-radiation, thus contributing to the economic lifetime of the Orion® Line Premium.

MAIN CHARACTERISTICS

Construction:	8/12 Strand plaited and 3/4 strand twisted
Rope colour:	pink
Rope identification:	double green marker
Specific gravity:	+/- 0,98
Melting point:	260° / 140°
Breaking strength:	equal dry and wet
Approx. elongation:	
New rope	
at 20%MBL	7.0%
at 50%MBL	12.8%
at break	----
Used rope	
at 20%MBL	2.7%
at 50%MBL	7.3%
at break	15.7%
Production and Construction:	Based on ISO 10556
Testing method:	ISO 2307

APPLICATIONS

Mooring lines

Towing lines

Fishfarming

Fishing

Messenger Lines

Pick-up lines



ORION® LINE PREMIUM

3 Strand

Size Nr.	Diameter mm	Weight kg/100m	MBF kN	MBF Tonf
0,75	6	2	8	0,82
1	8	3,1	11,9	1,21
1,25	10	4,7	17,9	1,83
1,5	12	7,4	27,7	2,82
1,75	14	10	38,2	3,9
2	16	12	44,2	4,51
2,25	18	16,1	58,8	6
2,5	20	18,7	67,6	6,89
2,75	22	24,1	85,7	8,74
3	24	28,1	99,3	10,1
3,25	26	32,1	112	11,4
3,5	28	38,8	134	13,7
3,75	30	44,2	151	15,4
4	32	49,5	168	17,1
4,25	34	56,2	189	19,3
4,5	36	61,6	206	21
5	40	78	257	26,2
5,5	44	94,2	307	31,3
6	48	112	360	36,7
6,5	52	131	416	42,4
7	56	152	480	48,9
7,5	60	174	543	55,4
8	64	198	620	63,2

Others sizes available upon request
MBL values are on unspliced condition according to ISO 2307

8 Strand and 12 Strand

Size Nr.	Diameter mm	Weight kg/100m	MBF kN	MBF Tonf
3,5	28	42	164	16,7
3,75	30	49	190	19,4
4	32	53	207	21,1
4,5	36	67	259	26,4
5	40	85	324	33
5,5	44	99	377	38,4
6	48	120	456	46,5
6,5	52	141	534	54,5
7	56	162	613	62,5
7,5	60	188	701	71,5
8	64	216	799	81,5
8,5	68	245	900	91,8
9	72	275	1000	102
9,5	76	305	1098	112
10	80	339	1205	123
11	88	411	1470	150
12	96	490	1735	177
13	104	573	2019	206
14	112	669	2323	237
15	120	764	2650	270
16	128	870	3030	309
17	136	982	3380	345
18	144	1100	3770	384

Others sizes available upon request
MBL values are on unspliced condition according to ISO 2307



LOAD EXTENSION AT BREAK

