

STEEL WIRE ROPES

ScanRope manufactures steel wire ropes of highest quality, designed for marine applications. This means particular emphasis on corrosion protection, including high zinc weights on the roping wires as well as careful selection of high grade lubricant for mooring application. Tensile 1770 N/mm² has been selected for mooring ropes/fire wires. Increased tensile will give more brittle wire materials, shorter lifetime.

Lubrication should be made with a penetrating oil, to fill all cavities. The rope should ideally be bent so that the rope opens, and the penetrating oil can easily be applied.

The most important figure for steel wire rope is MBL (**M**inimum **B**reaking **L**oad), this is the figure to be used for brake hold capacity, mooring line strength and tail rope dimensions. Terms like Actual-, Average- and Tested load should not be used in these calculations.



6x36+IWRC

Nom dia mm	Weight kg/100m	MBL	
		kN	Tonnes
10	0,42	63	6,41
13	0,71	107	10,8
16	1,07	161	16,4
18	1,35	204	20,8
19	1,51	228	23,2
20	1,67	252	25,7
22	2,02	305	31,0
24	2,41	363	37,0
26	2,83	426	43,4
28	3,28	494	50,3
30	3,76	568	58,0
32	4,28	646	65,9
34	4,83	729	74,3
35	5,12	772	78,7
36	5,42	817	83,3
38	6,04	910	92,8
40	6,69	1010	103,0
42	7,38	1110	113,0
44	8,10	1220	124,0

6x36+1 FC

Nom dia mm	Weight kg/100m	MBL	
		kN	Tonnes
6	0,13	21	2,1
8	0,24	37	3,8
10	0,37	58	5,9
12	0,53	84	8,6
14	0,73	114	11,6
16	0,95	149	15,2
18	1,20	189	19,2
20	1,48	234	23,8
22	1,79	283	28,7
24	2,14	336	34,2
26	2,51	395	40,1
28	2,91	458	46,6
30	3,34	526	53,4
32	3,80	598	60,8
34	4,29	675	68,6
36	4,80	757	77,0
38	5,35	843	85,7
40	5,93	934	95,0
42	6,54	1030	105,0
44	7,18	1130	115,0

Non rotating 35x7

Nom dia mm	Weight kg/100m	MBL	
		kN	Tonnes
10	0,41	72,5	7,39
12	0,63	104	10,6
13	0,73	122	12,5
14	0,86	142	14,5
16	1,12	186	19,0
18	1,42	235	24,0
19	1,57	262	26,7
20	1,74	290	29,5
22	2,11	351	35,8
24	2,50	417	42,5
26	2,94	490	50,0
28	3,41	568	57,9
30	3,93	652	66,5
32	4,45	742	75,7
34	5,04	838	85,4
36	5,64	937	95,8
38	6,30	1047	107,0
40	6,97	1160	118,0

All ropes drawn galvanized, acc to ISO 2408.
Tensile 1770 N/mm²

All ropes drawn galvanized, acc to
ISO 2408. Tensile 1960 N/mm²