FIBRE ROPES

LANKO®FORCE



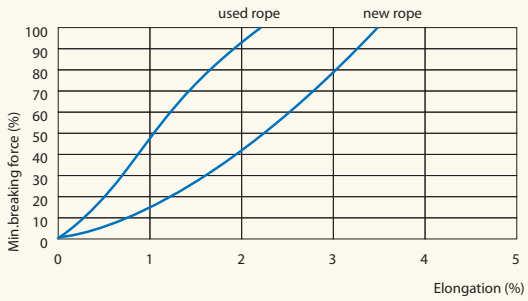
12 strand braided rope, made of Dyneema® yarns. This rope forms an excellent alternative for heavy and lumbersome steelwire ropes in situations requiring manual handling of the rope. The strength is higher than that of conventional steelwire rope and the corresponding weight is 7 times lower! The better handling characteristics are especially appreciated in towing and mooring applications. This rope is floating! When replacing fibre rope the reduction in diameter can lead to substantial saving of weight and size of e.g. the mooring winches, and when incorporated in the design of the vessel at newbuilding to a saving of cost as well.

WITH Dyneema®

Art. number	Circ. (inches)	Diameter (mm)	Weight (kg/100m)	MBF (kN)	Weight (lbs/100 ft)	MBF (lbs)
092.006	3/4	6	2,3	35	1,5	7.868
092.008	1	8	3,9	62	3	13.938
092.010	1 1/4	10	5,9	97	4	21.806
092.012	1 1/2	12	9,3	137	6	30.799
092.014	1 3/4	14	10,7	184	7,5	41.365
092.016	2	16	14	244	9	54.853
092.018	2 1/4	18	18	303	12	68.117
092.020	2 1/2	20	21,5	374	14	84.079
092.022	2 3/4	22	28	450	19	101.164
092.024	3	24	33,5	533	23	119.823
092.026	3 1/4	26	37,5	612	25	137.583
092.028	3 1/2	28	43,5	701	29	157.591
092.030	3 3/4	30	51,5	789	35	177.374
092.032	4	32	59	887	40	199.406
092.034	4 1/4	34	65	991	44	222.786
092.036	4 1/2	36	71	1.076	48	241.894
092.038	4 3/4	38	80	1.191	54	267.747
092.040	5	40	88, 5	1.314	59	295.399
092.044	5 1/2	44	109	1.559	73	350.477
092.048	6	48	126	1.853	85	416.571
092.052	6 1/2	52	149	2.160	100	485.587
092.056	7	56	176	2.490	118	559.774
092.060	7 1/2	60	202	2.820	136	633.961
092.064	8	64	230	3.210	155	721.637
092.068	8 1/2	68	259	3.610	174	811.560
092.072	9	72	290	4.010	195	901.484
092.080	10	80	358	4.510	241	1.013.888
092.088	11	88	430	5.320	289	1.195.984
092.096	12	96	510	6.230	343	1.400.560
092.104	13	104	600	6.800	403	1.528.701
092.112	14	112	695	7.810	467	1.755.758
092.120	15	120	798	8.870	536	1.994.055
092.128	16	128	910	9.970	611	2.241.345
092.136	17	136	1.030	11.100	692	2.495.379
092.144	18	144	1.150	12.400	773	2.787.631

Diameter, weight and MBF (as well as other mechanical and physical properties) are determined according ISO 2307:2005. The MBF refers to the breaking strength in the rope/wire itself, without splices or any other form of termination that can be formed with or without the use of accessories/fittings.

SPECIFIC GRAVITY	• 0,98
UV-RESISTANCE	• excellent
ABRASION RESISTANCE	• excellent
CHEMICAL RESISTANCE	• good
ELONGATION	• see graph
MELTING POINT	• approx. 147°C
CONSTRUCTION	• 12-strand plaited
TCLL VALUE	• 100%
COLOUR	• yellow
WATER ABSORPTION	• 0%
WITH JACKET	• POLYESTER (R-10)
	• DYNEEMA® (R-11)
	on request:
	• TIPTO®
	• DEFENDER®



LANKO®FORCE Challenger coating for improved abrasion resistance

Lankhorst Ropes has developed an innovative, abrasion resistant coating for its LANKO®FORCE towing ropes, simultaneously improving abrasion resistance and making the ropes easier to handle. The coating is an alternative to the protective jacket normally used to safeguard the rope during handling.

LANKO®FORCE Challenger Coating see CI-5