TIPTO®TWELVE

PENDING

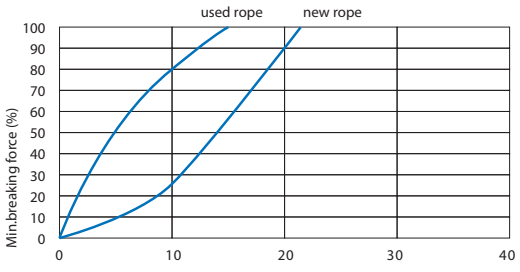
TIPTO®TWELVE, available in 16 mm to 48 mm diameter, is the successor of the well-known TIPTO®EIGHT. The construction is different, yet the material remains the same. The 12 strand braided construction makes the rope rounder, more stable, more compact and with a smoother surface. This increases abrasion resistance and, as a result, the service life of the rope. TIPTO®TWELVE can be used for mooring, using either bollards and/or winches. All TIPTO®TWELVE coils are supplied with a quality label, stating “Original product of Lankhorst Ropes”. TIPTO®TWELVE ropes in the range from 32 mm up to 48 mm diameter have been upgraded with an extra marker yarn. The rope size can now easily (and above all) without mistake be identified.

Green = 32 mm
Brown = 36 mm
Black = 40 mm
Blue = 44 mm
White = 48 mm

article number	nominal diameter mm	inch	weight kg/100m	lb/100ft	MBF kN	MBF t (metric) ISO2307	LDBF t (metric) OCIMF MEG4	MBF lbs
111.516	16	5/8	12,1	8	48	4,8	4,4	10.791
111.520	20	13/16	18,9	13	72	7,4	6,6	16.366
111.524	24	1	27,3	18	103	10,5	9,4	23.155
111.528	28	1 1/8	37,3	25	137	13,9	12,5	30.799
111.532	32	1 5/16	53	36	177	18,0	16,2	39.791
111.536	36	1 1/2	66	44	222	22,6	20,3	49.908
111.540	40	1 5/8	75,6	51	269	27,4	24,6	60.474
111.544	44	1 3/4	92,4	62	321	32,7	29,4	72.164
111.548	48	1 7/8	109	73	378	38,5	34,6	84.978

These diameters are available in several standard lengths.
Diameter, weight and MBF (as well as other mechanical and physical properties) are determined according ISO 2307:2010. 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. The figures in red refer to the Line Design Breaking Force (LDBF); e.g. spliced dry condition (wet for nylon) as per OCIMF MEG4 recommendations.

ELONGATION:



SPECIFIC GRAVITY	0,93 (floating)	TCLL VALUE	70,7%
UV-RESISTANCE	very good	COLOUR	yellow
ABRASION RESISTANCE	very good	MARKER YARN	orange
CHEMICAL RESISTANCE	good	WATER ABSORPTION	0%
MELTING POINT	approx. 140 °C	ELONGATION USED ROPE	5%
CONSTRUCTION	12 strand plaited		