

MOORING TAILS AND RING TAILS

COMPOSITE MATERIAL
CRUISER / CRUISER PLUS
TITAN PLUS

POLYAMIDE MATERIAL
POLYAMIDE

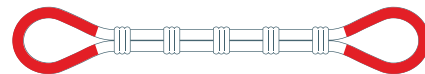


Moorings tails provide elasticity and shock/energy absorbing within the mooring arrangement and prevent damages to primary mooring line. Used especially in combination with steel or HMPE ropes in mooring, towing and offshore applications.

All mooring tails are produced according to latest OCIMF regulations with DNV GL class certificate.

STANDARD LENGTHS PRODUCED

For ring tails: 11 m or 22 m effective working length with rope protection. Ring tail breaking loads are in tables on the pages 19 and 20.



For mooring tails: 11 m or 22 m effective working length with 2 protected eyes of 2 m or 1 m for mooring tails.



COMPOSITE MATERIAL

The basic material of the rope is a mixture of Polys and high tenacity polyester fibres. In general, composite has medium elongation (15 - 17% at break), high energy absorption, the rope remains elastic for a longer time. Breaking load in dry is equal as wet. The strength of composite ropes is higher than that of nylon ropes. Due to this fact smaller diameter of rope can be used, providing better and safer handling. As per OCIMF regulation, the required breaking load must be 25% higher than steel rope.

CRUISER



- high tensile strength rope
- very high strength in comparison with standard polypropylene rope (up to 60% higher)
- excellent strength-to-weight ratio of the rope
- economical ratio between BL and weight.

8 STRAND Mooring tails

Diameter mm	Weight of rope with eyes (kg) ± 5% 11 m 22 m		Spliced break load	
	t	kN	t	kN
52	23.5	39.6	49.3	483.8
56	27.5	46.10	56.6	555.1
60	31.4	52.90	64.2	629.6
64	35.6	60.03	72.4	709.6
68	41.6	69.30	81.2	796.0
72	46.3	77.22	90.3	885.6
76	51.9	86.50	100.0	980.6
80	57.4	95.70	109.6	1074.6
88	69.5	115.83	131.1	1285.2
90	73.1	121.80	136.3	1336.5
92	77.8	129.72	145.2	1423.8
96	82.6	137.61	154.2	1512.0
100	89.9	149.76	166.9	1636.6
104	97.1	161.91	178.9	1754.1

Spliced Termination: -10%
Spliced break load in accordance with ISO 2307

8 STRAND Ring tails

Diameter mm	Weight of rope with eyes (kg) ± 5% 11 m 22 m		Spliced break load	
	t	kN	t	kN
52	33.55	63.07	79.0	774.1
56	39.00	73.32	90.6	888.2
60	44.83	84.27	102.8	1007.4
64	50.86	95.65	115.8	1135.4
68	57.75	108.57	129.9	1273.6
72	64.35	120.98	144.5	1417.0
76	72.05	135.45	160.0	1569.0
80	79.75	149.93	175.4	1719.4
88	96.53	181.47	209.7	2056.3
90	101.50		218.1	2138.4
92	108.10		232.4	2278.1
96	114.68		246.8	2419.2
100	124.80		267.1	2618.6
104	134.93		286.3	2806.6

Spliced Termination: -10%
Spliced break load in accordance with ISO 2307

CRUISER PLUS



- very high MBL compared to other composite ropes
- low weight compared to other composite ropes, best BL/weight ratio
- increased amount of high tenacity polyester
- multifilament fibres on the surface of the rope
- strands significantly increases the abrasion resistance

8 STRAND Mooring tails

Diameter mm	Weight of rope with eyes (kg) ± 5% 11 m 22 m		Spliced break load	
	t	kN	t	kN
52	27.57	45.45	56.3	551.7
56	31.27	51.55	65.5	641.7
60	35.15	57.95	73.1	716.4
64	39.04	64.36	81.3	797.4
68	49.20	76.26	94.1	922.5
72	53.40	82.77	104.2	1021.5
76	63.00	97.65	120.7	1183.5
80	69.60	107.88	132.9	1303.2
88	76.30	118.27	141.4	1386.0
90	83.00	128.65	164.3	1611.0
92	90.40	140.12	174.6	1711.8
96	97.80	151.59	184.9	1812.6
100	105.20	163.06	195.0	1912.1
104	112.60	174.53	205.2	2011.5

Spliced Termination: -10%
Spliced break load in accordance with ISO 2307

8 STRAND Ring tails

Diameter mm	Weight of rope with eyes (kg) ± 5% 11 m 22 m		Spliced break load	
	t	kN	t	kN
52	37.25	70.03	90.0	882.7
56	42.25	79.43	104.7	1026.7
60	47.50	89.30	116.9	1146.2
64	52.75	99.17	130.1	1275.8
68	61.50	115.62	150.6	1476.0
72	66.75	125.49	166.7	1634.4
76	78.75	148.05	193.1	1893.6
80	87.00	163.56	212.7	2085.1
88	95.38	179.31	228.2	2217.6
90	103.75	195.05	262.9	2577.6
92	113.00		279.4	2738.9
96	122.25		295.8	2900.2
100	131.50		312.1	3059.4
104	140.75		328.3	3218.4

Spliced Termination: -10%
Spliced break load in accordance with ISO 2307

TITAN PLUS



- strongest among composite ropes
- increased amount of high tenacity polyester
- multifilament fibres on the surface of the rope
- strands significantly increases the abrasion resistance

8 STRAND Mooring tails

Diameter mm	Weight of rope with eyes (kg) ± 5% 11 m 22 m		Spliced break load	
	t	kN	t	kN
52	32.00	52.77	62.4	612.0
56	37.19	61.31	72.1	706.5
60	42.74	70.46	82.2	805.5
64	49.58	81.74	91.8	900.0
68	59.20	91.76	104.7	1026.0
72	66.80	103.54	116.6	1143.0
76	73.00	113.15	125.3	1228.5
80	82.20	127.41	142.3	1395.0
88	90.80	140.74	155.1	1521.0
90	99.40	154.07	171.7	1683.0
92	108.70	168.50	187.3	1836.0
96	118.00	182.90	202.9	1989.0
100	130.40	202.12	206.6	2025.0
104	142.80	221.34	210.2	2061.0

Spliced Termination: -10%
Spliced break load in accordance with ISO 2307

8 STRAND Ring tails

Diameter mm	Weight of rope with eyes (kg) ± 5% 11 m 22 m		Spliced break load	
	t	kN	t	kN
52	43.25	81.31	99.9	979.2
56	50.25	94.47	115.3	1130.4
60	57.75	108.57	131.5	1288.8
64	67.00	125.96	146.9	1440.0
68	74.00	139.12	167.4	1641.6
72	83.50	156.98	186.5	1828.8
76	91.25	171.55	200.5	1965.6
80	102.75	193.17	227.7	2232.0
84	113.50	213.38	248.2	2433.6
88	124.25	233.59	274.7	2692.8
92	135.86		299.6	2937.6
96	147.50		324.6	3182.4
100	163.00		330.5	3240.0
104	178.50		336.4	3297.6

Spliced Termination: -10%
Spliced break load in accordance with ISO 2307

POLYAMIDE



- advantage is extra shock absorption, high elongation (25% at break) and excellent UV protection.
- as per OCIMF regulation, the required breaking load must be 37% higher than steel rope.

8 STRAND Mooring tails

Diameter mm	Weight of rope with eyes (kg) ± 5% 11 m 22 m		Spliced break load	
	t	kN	t	kN
52	31.45	51.85	45.9	450.0
56	36.45	60.09	51.4	504.0
60	41.81	68.93	57.8	567.0
64	47.55	78.39	65.2	639.0
68	57.30	88.82	73.3	718.2
72	65.00	100.75	82.6	810.0
76	71.40	110.67	90.4	886.5
80	80.20	124.31	102.8	1008.0
88	88.70	137.49	112.0	1098.0
90	97.20	150.66	121.2	1188.0
92	104.70	162.29	133.1	1305.0
96	115.60	179.18	146.9	1440.0
100	124.90	193.60	157.0	1539.0
104	135.50	210.03	170.8	1674.1

Spliced Termination: -10%
Spliced break load in accordance with ISO 2307

8 STRAND Ring tails

Diameter mm	Weight of rope with eyes (kg) ± 5% 11 m 22 m		Spliced break load	
	t	kN	t	kN
52	42.50	79.90	73.4	720.0
56	49.25	92.59	82.3	806.4
60	56.50	106.22	92.5	907.2
64	64.25	120.79	104.3	1022.4
68	71.63	134.66	117.2	1149.1
72	81.25	152.75	132.2	1296.0
76	89.25	167.79	144.7	1418.4
80	100.25	188.47	164.5	1612.8
88	110.86	208.45	179.2	1756.8
90	121.50		193.9	1900.8
92	130.88		213.0	2088.0
96	144.50		235.0	2304.0
100	156.13		251.2	2462.4
104	169.38		273.2	2678.6

Spliced Termination: -10%
Spliced break load in accordance with ISO 2307

POLYAMIDE MATERIAL