CORTLAND INTERNATIONAL™



Mooring Tails

Reduce stress on the mooring line

Mooring tails are used with high-performance mooring lines to provide elasticity in the mooring system. This elasticity helps manage line loads, keeping forces within acceptable limits for deck equipment and operational requirements.

Mooring tails should be specified based on the overall vessel mooring system design and its operational requirements. Tail strength is defined by the Tail Design Breaking Force (TDBF) and specified in accordance with OCIMF's Mooring Equipment Guidelines (MEG4).

Cortland International mooring tails are supplied as fabricated units in standard lengths of 11m and 22m. Custom lengths are available to accommodate specific vessel requirements; contact Cortland International to discuss your application.

Each of Cortland International's mooring tail products offers distinct performance characteristics and benefits, providing options to balance strength, durability, elasticity, and cost. All products are MEG4 approved and can be supplied with Tail Base Design Certificates upon request.

Tufflex® Lite Mooring Tails

Tufflex® Lite Mooring Tails offer a high strength to weight ratio and are an excellent replacement for heavier polyester lines. Their unique blend of polyester and polypropylene makes for a highly efficient construction. Tufflex Lite Tails are torque balanced and have excellent wear resistance.



Size Dia.		Tail Linear Density (TLD)	11m tail weight (kg)	Minimum Break Force		Tail Design Break Force (TDBF)	
				Unspliced		Spliced	
inch	mm			Ton	kN	Ton	kN
2	48	1.15	16.4	44.4	435	40.0	392
2-1/16	50	1.24	17.9	47.9	470	43.1	423
2-1/8	52	1.34	19.4	51.6	506	46.4	455
2-1/4	56	1.56	22.7	59.2	580	53.3	523
2-1/2	60	1.80	26.4	67.4	661	60.7	595
2-5/8	64	2.04	30.1	75.9	744	68.3	670
2-3/4	68	2.30	34.2	85.2	835	76.7	752
3	72	2.57	38.6	91.6	898	82.4	808
3-1/8	76	2.87	43.5	103.4	1014	93.1	913
3-1/4	80	3.19	48.6	116.0	1137	104.4	1024
3-3/8	84	3.52	54.0	127.7	1252	114.9	1126
3-5/8	88	3.86	59.7	140.0	1373	126.0	1235
3-3/4	92	4.21	65.6	152.5	1495	137.3	1346
4	96	4.58	71.8	165.5	1623	149.0	1461
4-1/8	100	4.98	78.7	178.9	1754	161.0	1578
4-1/4	104	5.40	86.0	192.8	1890	173.5	1701
4-1/2	108	5.83	93.3	207.5	2034	186.8	1831
4-5/8	112	6.27	101.2	222.7	2183	200.4	1965
4-3/4	116	6.73	109.3	238.6	2339	214.7	2105
5	120	7.20	117.8	255.1	2501	229.6	2251

MOORING TAILS

Tufflex® Plus Mooring Tails

Tufflex® Plus mooring tails are crafted from a specialized blend of polyester and copolymer, combining the best properties of both materials to provide superior performance. Designed specifically for use as a mooring tail, they provide a reliable solution for optimizing mooring performance.



Size Dia.		Tail Linear Density (TLD)	11m Tail weight (kg)	Minimum Break Force		Tail Design Break Force (TDBF)	
				Unspliced		Spliced	
inch	mm	kg/m		Ton	kN	Ton	kN
2	48	1.41	20.2	62.0	608	55.8	547
2-1/16	50	1.53	21.9	67.6	663	60.8	596
2-1/8	52	1.66	24.0	73.4	720	66.1	648
2-5/16	56	1.92	28.0	84.6	829	76.1	746
2-1/2	60	2.21	32.4	95.8	939	86.2	845
2-5/8	64	2.51	37.1	107.8	1057	97.0	951
2-3/4	68	2.83	42.2	122.1	1197	109.9	1077
3	72	3.18	47.8	137.4	1347	123.7	1213
3-1/8	76	3.54	53.6	152.1	1491	136.9	1342
3-1/4	80	3.92	59.7	167.4	1641	150.7	1477
3-5/16	84	4.32	66.3	181.2	1776	163.1	1599
3-5/8	88	4.75	73.5	195.0	1912	175.5	1721
3-3/4	92	5.19	80.8	212.2	2080	191.0	1873
4	96	5.65	88.6	230.0	2255	207.0	2029
4-1/8	100	6.13	96.9	249.6	2447	224.6	2202
4-1/4	104	6.63	105.5	270.0	2647	243.0	2382

Nylotuf Plus Mooring Tails

Nylotuf mooring tails are high-performance polyamide (nylon) ropes specifically designed to enhance mooring configurations. Due to their ability to stretch under load, they are particularly well-suited for use in open and exposed ports where significant swell and dynamic forces are present.



Size Dia.		Linear Density	11m tail weight (kg)	Minimum Break Force							
				DRY				WET			
				Unspliced		Spliced-TDBF		Unspliced		Spliced-TDBF	
inch	mm	kg/m		Kgf	Ton	Kgf	Ton	Kgf	Ton	Kgf	Ton
2	48	1.42	20.4	58700	59	53000	53	50000	50	45000	45
2-1/8	52	1.69	24.4	70000	70	63000	63	60000	60	54000	54
2-1/4	54	1.83	26.6	75000	75	68000	68	63300	63	57000	57
2-5/16	56	1.93	28.1	79500	80	72000	72	67800	68	61000	61
2-3/8	58	2.07	30.3	85000	85	77000	77	72200	72	65000	65
2-1/2	60	2.22	32.6	91200	91	82000	82	77800	78	70000	70
2-15/32	62	2.36	34.8	98000	98	88000	88	83300	83	75000	75
2-5/8	64	2.52	37.3	105500	106	95000	95	90000	90	81000	81
2-39/50	66	2.72	40.4	114000	114	103000	103	96700	97	87000	87
2-3/4	68	2.85	42.5	119000	119	107000	107	101100	101	91000	91
2-3/4	70	3.01	45.0	125000	125	113000	113	106700	107	96000	96
3	72	3.19	47.9	130600	131	118000	118	111100	111	100000	100
3-1/8	76	3.56	53.7	145000	145	131000	131	123300	123	111000	111
3-1/4	80	3.94	60.0	160000	160	144000	144	135500	136	122000	122
3-5/16	82	4.14	63.3	167000	167	150000	150	142200	142	128000	128
3-3/8	84	4.35	66.8	175000	175	158000	158	149000	149	134000	134
3-1/2	86	4.56	70.1	183000	183	165000	165	155600	156	140000	140
3-5/8	88	4.71	72.8	192000	192	173000	173	163300	163	147000	147
4	96	5.74	90.0	218000	218	196000	196	185600	186	167000	167
4-1/8	102	6.28	99.6	238000	238	214000	214	202200	202	182000	182
4-1/4	104	6.53	103.9	248000	248	223000	223	211100	211	190000	190
4-1/2	108	7.18	115.1	272000	272	245000	245	231200	231	208000	208
4-5/8	112	7.80	125.9	296000	296	266000	266	251000	251	226000	226

CORTLAND INTERNATIONAL™