



Marine Fenders International, Inc.

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Ocean Cushion™ Foam Filled Fenders with Chain & Aircraft Tire Nets

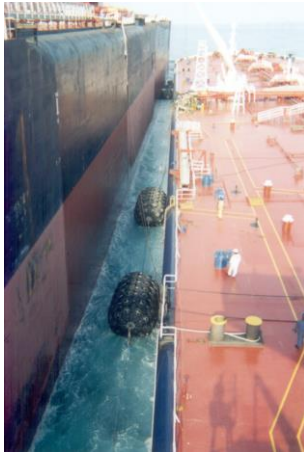
HIGH CAPACITY

• Tested in accordance with PIANC guidelines.

• Constructed to US Navy specifications.



• Thick, tough filament nylon reinforced non-marking urethane skin



• Heat laminated closed cell energy absorbing foam core.



• Ultra heavy duty Chain & Aircraft Tire SUPER nets

Fender Size		Standoff		Energy Absorption		Reaction Force		Weight	
English	Metric	Uncompressed Diameter		(60% Compression)		(When EA is Achieved)		With Chain and Tires*	
Ø [ft] x L [ft]	Ø [m] x L [m]	ft	m	ft-kips	kN-m	kips	kN	lbs.	kg
3 x 6	0.9 x 1.8	4.0	1.2	52	71	79	351	847	385
4 x 6	1.2 x 1.8	5.3	1.6	94	127	103	458	1,072	487
4 x 8	1.2 x 2.4	5.3	1.6	123	167	138	614	1,542	701
5 x 10	1.5 x 3	6.3	1.9	239	324	214	952	2,614	1,188
5 x 16	1.5 x 4.9	6.3	1.9	375	509	338	1,503	4,700	2,136
6 x 12	1.8 x 3.7	7.3	2.2	428	580	306	1,361	4,423	2,010
7 x 14	2.1 x 4.3	8.3	2.5	652	884	366	1,628	7,386	3,357
8 x 12	2.4 x 3.7	10.0	3.0	674	914	377	1,677	4,943	2,247
8 x 16	2.4 x 4.9	10.0	3.0	959	1,300	535	2,380	6,705	3,048
9 x 14	2.7 x 4.3	11.0	3.4	1,058	1,435	525	2,335	7,042	3,201
9 x 18	2.7 x 5.5	11.0	3.4	1,358	1,841	676	3,007	10,412	4,733
10 x 16	3 x 4.9	12.0	3.7	1,414	1,917	634	2,820	10,290	4,677
10 x 20	3 x 6.1	12.0	3.7	1,864	2,528	831	3,696	13,027	5,921
11 x 18	3.4 x 5.5	13.0	4.0	2,009	2,724	818	3,639	13,655	6,207
11 x 22	3.4 x 6.7	13.0	4.0	2,459	3,334	1,001	4,453	17,250	7,841
12 x 24	3.7 x 7.3	14.0	4.3	3,183	4,316	1,189	5,289	22,275	10,125
13 x 26	4 x 7.9	15.0	4.6	4,036	5,473	1,390	6,183	31,421	14,282
14 x 28	4.3 x 8.5	16.0	4.9	4,958	6,723	1,589	7,068	38,066	17,303

Fender Size		Standoff		Energy Absorption		Reaction Force		Weight	
Metric	English	Uncompressed Diameter		(60% Compression)		(When EA is Achieved)		With Chain and Tires*	
Ø [m] x L [m]	Ø [ft] x L [ft]	ft	m	ft-kips	kN-m	kips	kN	lbs.	kg
1.0 x 1.5	3.28 x 4.92	4.2	1.3	50	68	71	316	797	362
1.0 x 2.0	3.28 x 6.56	4.2	1.3	71	96	96	427	1,042	474
1.2 x 2.0	3.94 x 6.56	4.9	1.5	93	126	107	476	1,289	586
1.2 x 2.5	3.94 x 8.2	4.9	1.5	116	157	132	587	1,740	791
1.35 x 2.5	4.43 x 8.2	5.7	1.7	150	203	152	676	1,820	827
1.35 x 4.0	4.43 x 13.12	5.7	1.7	239	324	242	1,076	2,135	970
1.5 x 3.0	4.92 x 9.84	6.2	1.9	226	306	206	916	2,544	1,156
1.7 x 3.0	5.58 x 9.84	6.8	2.1	284	385	227	1,010	2,886	1,312
1.7 x 4.5	5.58 x 14.76	6.8	2.1	430	583	344	1,530	4,893	2,224
2.0 x 3.5	6.56 x 11.48	7.8	2.4	461	625	313	1,392	4,626	2,103
2.0 x 4.0	6.56 x 13.12	7.8	2.4	538	730	365	1,624	5,344	2,429
2.2 x 4.5	7.22 x 14.76	8.5	2.6	725	983	452	2,011	6,973	3,170
2.2 x 5.5	7.22 x 18.04	8.5	2.6	883	1,197	549	2,442	8,543	3,883
2.5 x 4.0	8.2 x 13.12	10.2	3.1	786	1,066	430	1,913	5,747	2,612
2.5 x 5.5	8.2 x 18.04	10.2	3.1	1,149	1,558	629	2,798	9,030	4,105
3.0 x 6.0	9.84 x 19.69	11.8	3.6	1,758	2,384	804	3,576	12,581	5,719
3.3 x 4.5	10.83 x 14.76	12.8	3.9	1,464	1,985	606	2,696	10,771	4,896
3.3 x 6.5	10.83 x 21.33	12.8	3.9	2,291	3,107	951	4,230	16,083	7,310
3.3 x 10.6	10.83 x 34.78	12.8	3.9	4,020	5,451	1,669	7,424	32,596	14,816
4.2 x 8.4	13.78 x 27.56	15.8	4.8	4,819	6,535	1,563	6,953	36,114	16,415

* Weight may vary due to available tire sizes.

* Actual values for above sizes may vary +/- 15% due to variations in materials, speed of compression, temperatures and tolerances.