



Marine Fenders International, Inc.

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Ocean Guard™ Enhanced Capacity Foam Filled Fenders

• Tested in accordance with PIANC guidelines.

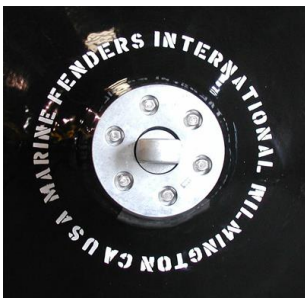
• Constructed to US Navy specifications.



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



• Heat laminated closed cell energy absorbing foam core.



• Integral swivel end fittings internally connected with a heavy duty stud-link chain

Fender Size		Energy Absorption (60% Compression)		Reaction Force (When EA is Achieved)		End Pull-Through Strength	
English	Metric						
Ø [ft] x L [ft]	Ø [m] x L [m]	ft-kips	kN-m	kips	kN	kips	kN
2 x 4	0.6 x 1.2	9	12	16	71	9.5	42
2 x 6	0.6 x 1.8	14	20	26	117	9.5	42
2 x 8	0.6 x 2.4	20	27	38	167	9.5	42
2 x 10	0.6 x 3.0	26	35	48	214	9.5	42
3 x 5	0.9 x 1.5	25	34	36	160	9.5	42
3 x 6	0.9 x 1.8	31	42	38	171	9.5	42
3 x 8	0.9 x 2.4	44	60	54	242	17	76
3 x 10	0.9 x 3.0	57	77	70	313	17	76
3 x 12	0.9 x 3.7	70	94	86	384	17	76
3 x 14	0.9 x 4.3	82	112	102	455	17	76
4 x 6	1.2 x 1.8	48	65	45	199	17	76
4 x 8	1.2 x 2.4	71	97	66	295	17	76
4 x 10	1.2 x 3.0	94	128	89	395	17	76
4 x 12	1.2 x 3.7	117	158	109	484	34	151
4 x 16	1.2 x 4.9	162	220	151	673	34	151
4 x 20	1.2 x 6.1	208	282	194	861	34	151
5 x 8	1.5 x 2.4	108	146	80	356	17	76
5 x 10	1.5 x 3.0	144	195	107	477	34	151
5 x 12	1.5 x 3.7	180	244	134	594	34	151
5 x 14	1.5 x 4.3	215	292	160	712	34	151
5 x 16	1.5 x 4.9	250	340	186	829	34	151
5 x 18	1.5 x 5.5	286	387	213	947	70	311
6 x 12	1.8 x 3.7	240	325	149	662	34	151
6 x 14	1.8 x 4.3	291	395	180	801	34	151
6 x 16	1.8 x 4.9	342	463	212	943	70	311
6 x 18	1.8 x 5.5	393	533	244	1,085	70	311
6 x 20	1.8 x 6.1	443	601	275	1,224	70	311
7 x 14	2.1 x 4.3	390	528	207	922	70	311
7 x 16	2.1 x 4.9	459	623	244	1,085	70	311
7 x 18	2.1 x 5.5	528	716	281	1,249	70	311
7 x 20	2.1 x 6.1	598	810	318	1,413	70	311
7 x 22	2.1 x 6.7	666	904	354	1,576	70	311
8 x 12	2.4 x 3.7	425	576	197	875	70	311
8 x 14	2.4 x 4.3	495	671	230	1,025	70	311
8 x 16	2.4 x 4.9	566	795	273	1,213	70	311
8 x 18	2.4 x 5.5	678	919	315	1,402	70	311
8 x 20	2.4 x 6.1	769	1,042	358	1,591	70	311
8 x 22	2.4 x 6.7	860	1,166	400	1,779	110	489
9 x 14	2.7 x 4.3	623	845	258	1,146	70	311
9 x 16	2.7 x 4.9	712	965	294	1,309	70	311
9 x 18	2.7 x 5.5	826	1,120	342	1,519	70	311
9 x 20	2.7 x 6.1	940	1,275	389	1,729	110	489
9 x 22	2.7 x 6.7	1,054	1,430	436	1,939	110	489
10 x 16	3.0 x 4.9	865	1,173	322	1,430	70	311
10 x 18	3.0 x 5.5	1,006	1,365	374	1,665	70	311
10 x 20	3.0 x 6.1	1,148	1,557	427	1,900	110	489
10 x 22	3.0 x 6.7	1,290	1,749	480	2,135	110	489
10 x 24	3.0 x 7.3	1,449	1,965	539	2,398	110	489
11 x 18	3.4 x 5.5	1,186	1,608	401	1,783	110	489
11 x 20	3.4 x 6.1	1,357	1,840	458	2,039	110	489
11 x 22	3.4 x 6.7	1,528	2,072	517	2,299	110	489
11 x 24	3.4 x 7.3	1,666	2,260	563	2,505	110	489
12 x 20	3.7 x 6.1	1,730	2,346	566	2,519	110	489
12 x 24	3.7 x 7.3	2,076	2,815	680	3,025	110	489
13 x 26	4.0 x 7.9	2,592	3,515	788	3,505	110	489
14 x 28	4.3 x 8.5	3,200	4,339	904	4,021	110	489

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