



Marine Fenders International, Inc.

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Ocean Guard™ High Capacity Foam Filled Fenders

- Tested in accordance with PIANC guidelines.

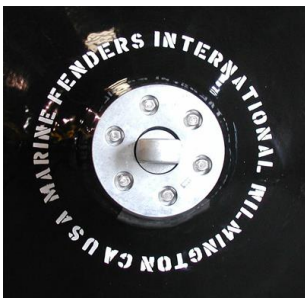
- Constructed to US Navy specifications.



- 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 Ø [ft] x L [ft]	Metric Ø [m] x L [m]	ft-kips	kN-m	kips	kN	kips	kN
2 x 4	0.6 x 1.2	14	19	26	116	9.5	42
2 x 6	0.6 x 1.8	23	31	43	191	9.5	42
2 x 8	0.6 x 2.4	33	45	61	271	9.5	42
2 x 10	0.6 x 3.0	42	57	78	347	9.5	42
3 x 5	0.9 x 1.5	40	54	59	262	9.5	42
3 x 6	0.9 x 1.8	51	69	62	276	9.5	42
3 x 8	0.9 x 2.4	72	98	88	391	17	76
3 x 10	0.9 x 3.0	92	125	114	507	17	76
3 x 12	0.9 x 3.7	113	153	140	623	17	76
3 x 14	0.9 x 4.3	134	182	166	738	17	76
4 x 6	1.2 x 1.8	78	106	73	325	17	76
4 x 8	1.2 x 2.4	116	157	108	480	17	76
4 x 10	1.2 x 3.0	153	207	144	641	17	76
4 x 12	1.2 x 3.7	190	258	177	787	34	151
4 x 16	1.2 x 4.9	264	358	246	1094	34	151
4 x 20	1.2 x 6.1	338	458	315	1401	34	151
5 x 8	1.5 x 2.4	176	239	130	578	17	76
5 x 10	1.5 x 3.0	234	317	174	774	34	151
5 x 12	1.5 x 3.7	293	397	217	965	34	151
5 x 14	1.5 x 4.3	350	475	260	1156	34	151
5 x 16	1.5 x 4.9	407	552	303	1348	34	151
5 x 18	1.5 x 5.5	464	629	346	1,539	70	311
6 x 12	1.8 x 3.7	390	529	242	1,076	34	151
6 x 14	1.8 x 4.3	473	641	293	1,303	34	151
6 x 16	1.8 x 4.9	555	753	345	1,535	70	311
6 x 18	1.8 x 5.5	638	865	397	1,766	70	311
6 x 20	1.8 x 6.1	720	976	447	1,988	70	311
7 x 14	2.1 x 4.3	633	858	337	1,499	70	311
7 x 16	2.1 x 4.9	746	1,012	397	1,766	70	311
7 x 18	2.1 x 5.5	858	1,163	456	2,028	70	311
7 x 20	2.1 x 6.1	971	1,317	516	2,295	70	311
7 x 22	2.1 x 6.7	1,083	1,469	576	2,562	70	311
8 x 12	2.4 x 3.7	690	936	320	1,423	70	311
8 x 14	2.4 x 4.3	805	1,092	374	1,664	70	311
8 x 16	2.4 x 4.9	953	1,292	443	1,970	70	311
8 x 18	2.4 x 5.5	1,101	1,493	512	2,277	70	311
8 x 20	2.4 x 6.1	1,249	1,694	581	2,584	70	311
8 x 22	2.4 x 6.7	1,398	1,896	650	2,891	110	489
9 x 14	2.7 x 4.3	1,012	1,372	418	1,859	70	311
9 x 16	2.7 x 4.9	1,157	1,569	478	2,126	70	311
9 x 18	2.7 x 5.5	1,342	1,820	555	2,469	70	311
9 x 20	2.7 x 6.1	1,528	2,072	632	2,811	110	489
9 x 22	2.7 x 6.7	1,713	2,323	709	3,154	110	489
10 x 16	3.0 x 4.9	1,405	1,905	523	2,326	70	311
10 x 18	3.0 x 5.5	1,635	2,217	608	2,704	70	311
10 x 20	3.0 x 6.1	1,866	2,530	694	3,087	110	489
10 x 22	3.0 x 6.7	2,096	2,842	780	3,469	110	489
10 x 24	3.0 x 7.3	2,286	3,100	850	3,781	110	489
11 x 18	3.4 x 5.5	1,927	2,613	651	2,896	110	489
11 x 20	3.4 x 6.1	2,141	2,903	745	3,314	110	489
11 x 22	3.4 x 6.7	2,483	3,367	840	3,736	110	489
11 x 24	3.4 x 7.3	2,709	3,673	916	4,074	110	489
12 x 20	3.7 x 6.1	2,812	3,813	920	4,092	110	489
12 x 24	3.7 x 7.3	3,374	4,575	1,105	4,915	110	489
13 x 26	4.0 x 7.9	4,212	5,711	1,281	5,698	110	489
14 x 28	4.3 x 8.5	5,200	7,051	1,469	6,534	110	489

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