



**MARITIME**  
International

## Pneumatic Fenders

Maritime International's line of pneumatic fenders provide protection in both dockside and ship to ship berthing scenarios. We offer a wide range of sizes and they can also be fitted with a tire/chain net for additional protection.

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# Pneumatic Fender Performance Data

INTERNAL INITIAL PRESSURE: 50 kPa (0.5 kgf/cm<sup>2</sup>)

FENDER SIZE mm(D) x mm(L)	ENERGY ABSORPTION		REACTION FORCE		HULL PRESSURE AT 60% DEF.		SAFETY VALVE PRESSURE SETTING		TESTING PRESSURE	
	kN-m	tf-m	kN	tf	kN/m <sup>2</sup>	tf/m <sup>2</sup>	kPa	kgf/cm <sup>2</sup>	kPa	kgf/cm <sup>2</sup>
300 x 600	0.5	0.1	24	2.4	134	13.7	-	-	147	1.5
500 x 800	4.9	0.5	52	5.3	130	13.3	-	-	147	1.5
500 x 1000	6.3	0.6	67	6.8	134	13.7	-	-	147	1.5
600 x 1000	8.8	0.9	78	8	130	13.3	-	-	147	1.5
600 x 1200	10.7	1.1	95	9.7	132	13.5	-	-	147	1.5
700 x 1500	18.7	1.9	142	14.5	136	13.9	-	-	147	1.5
800 x 1500	23.7	2.4	158	16.1	132	13.5	-	-	147	1.5
1000 x 1500	35.5	3.6	189	19.3	126	12.9	-	-	147	1.5
1000 x 2000	50.1	5.1	267	27.2	134	13.7	-	-	147	1.5
1200 x 2000	69.4	7.1	308	31.4	129	13.2	-	-	147	1.5
1200 x 3000	109	11.1	482	49.2	134	13.7	-	-	147	1.5
1350 x 2500	111	11.3	439	44.8	130	13.3	-	-	147	1.5
1500 x 2500	135	13.8	479	48.9	128	13.1	-	-	147	1.5
1500 x 3000	168	17.1	596	60.8	133	13.6	-	-	147	1.5
1500 x 4000	229	23.4	815	83.2	136	13.9	-	-	147	1.5
1700 x 3000	210	21.4	658	67.1	129	13.2	-	-	147	1.5
1700 x 7200	516	52.7	1621	165.4	133	13.6	-	-	147	1.5
2000 x 3000	282	28.8	752	76.7	126	12.9	-	-	147	1.5
2000 x 3500	336	34.3	896	91.4	128	13.1	-	-	147	1.5
2000 x 6000	611	62.3	1631	166	136	13.9	-	-	147	1.5
2500 x 4000	660	67.3	1409	144	141	14.4	177	1.8	196	2.0
2500 x 5500	961	98.1	2051	209	149	15.2	177	1.8	196	2.0
2500 x 9100	1631	166	3482	355	153	15.6	177	1.8	196	2.0
3000 x 5000	1136	116	2021	206	135	13.8	177	1.8	196	2.0
3300 x 4500	1188	121	1921	196	130	13.3	177	1.8	245	2.5
3300 x 6500	1915	195	3097	316	145	14.8	177	1.8	245	2.5
3300 x 10600	3338	341	5398	551	155	15.8	177	1.8	245	2.5
4500 x 7000	3792	387	4497	459	143	14.6	177	1.8	245	2.5
4500 x 9000	4960	506	5883	600	146	14.9	177	1.8	245	2.5
4500 x 12000	6987	713	8284	845	154	15.7	177	1.8	245	2.5

Fenders Compliant with ISO 17357

Tolerance +/- 10%

# Pneumatic Rib Fender Performance Data

INTERNAL INITIAL PRESSURE: 50 kPa (0.5 kgf/cm<sup>2</sup>)

FENDER SIZE mm(D) x mm(L)	ENERGY ABSORPTION		REACTION FORCE		HULL PRESSURE AT 60% DEF.		SAFETY VALVE PRESSURE SETTING		TESTING PRESSURE	
	kN-m	tf-m	kN	tf	kN/m <sup>2</sup>	tf/m <sup>2</sup>	kPa	kgf/cm <sup>2</sup>	kPa	kgf/cm <sup>2</sup>
500 x 1000	6.9	0.7	73.7	7.5	148	15.1	-	-	147	1.5
1000 x 1500	39	4	208	21.2	139	14.2	-	-	147	1.5
1000 x 2000	55	5.6	294	30	147	15	-	-	147	1.5
1500 x 2500	148	15.1	527	53.8	141	14.4	-	-	147	1.5
1500 x 3000	184	18.8	656	66.9	146	14.9	-	-	147	1.5
2000 x 3500	370	37.8	986	101	141	14.4	-	-	147	1.5
2000 x 6000	672	68.6	1794	183	150	15.3	-	-	147	1.5
2500 x 4000	726	74.1	1550	158	155	15.8	177	1.8	196	2.0
2500 x 5500	1057	108	2256	230	164	16.7	177	1.8	196	2.0
3300 x 4500	1306	133	2113	216	143	14.6	177	1.8	245	2.5
3300 x 6500	2106	215	3406	348	159	16.2	177	1.8	245	2.5
3300 x 10600	3671	375	5938	606	170	17.3	177	1.8	245	2.5

Fenders Compliant with ISO 17357

Tolerance +/- 10%

# Pneumatic Fender Performance Data

INTERNAL INITIAL PRESSURE: 80 kPa (0.8 kgf/cm<sup>2</sup>)

FENDER SIZE mm(D) x mm(L)	ENERGY ABSORPTION		REACTION FORCE		HULL PRESSURE AT 60% DEF.		SAFETY VALVE PRESSURE SETTING		TESTING PRESSURE	
	kN-m	tf-m	kN	tf	kN/m <sup>2</sup>	tf/m <sup>2</sup>	kPa	kgf/cm <sup>2</sup>	kPa	kgf/cm <sup>2</sup>
300 x 600	0.6	0.1	31	3.2	173	17.7	-	-	196	2
500 x 800	6.3	0.6	67	6.8	168	17.1	-	-	196	2
500 x 1000	8.2	0.8	87	8.9	174	17.8	-	-	196	2
600 x 1000	11.2	1.1	100	10.2	167	17	-	-	196	2
600 x 1200	13.8	1.4	123	12.6	171	17.4	-	-	196	2
700 x 1500	24.1	2.5	184	18.8	176	18	-	-	196	2
800 x 1500	30.6	3.1	204	20.8	170	17.3	-	-	196	2
1000 x 1500	45.7	4.7	244	24.9	163	16.6	-	-	196	2
1000 x 2000	64.7	6.6	345	35.2	173	17.7	-	-	196	2
1200 x 2000	89.5	9.1	398	40.6	166	16.9	-	-	196	2
1200 x 3000	140	14.3	623	63.6	173	17.7	-	-	196	2
1350 x 2500	149	15.2	572	58.4	170	17.3	-	-	196	2
1500 x 2500	174	17.8	620	63.3	166	16.9	-	-	196	2
1500 x 3000	218	22.2	776	79.2	173	17.7	-	-	196	2
1500 x 4000	296	30.2	1053	107	176	18	-	-	196	2
1700 x 3000	272	27.8	853	87	168	17.1	-	-	196	2
1700 x 7200	668	68.2	2096	214	172	17.6	-	-	196	2
2000 x 3000	386	39.4	1030	105	172	17.6	-	-	196	2
2000 x 3500	440	44.9	1174	120	168	17.1	-	-	196	2
2000 x 6000	790	80.6	2109	215	176	18	-	-	196	2
2500 x 4000	931	95	1831	187	184	18.8	225	2.3	245	2.5
2500 x 5500	1353	138	2659	271	194	19.8	225	2.3	245	2.5
2500 x 9100	2293	234	4505	460	199	20.3	225	2.3	245	2.5
3000 x 5000	1593	163	2608	266	174	17.8	225	2.3	245	2.5
3300 x 4500	1673	171	2491	254	168	17.1	225	2.3	245	2.5
3300 x 6500	2707	276	4029	411	188	19.2	225	2.3	245	2.5
3300 x 10600	4677	477	6959	710	199	20.3	225	2.3	245	2.5
4500 x 7000	5337	545	5823	594	185	18.9	225	2.3	245	2.5
4500 x 9000	6948	709	7581	774	188	19.2	225	2.3	245	2.5
4500 x 12000	9667	986	10548	1076	196	20	225	2.3	245	2.5

Fenders Compliant with ISO 17357

Tolerance +/- 10%

# Pneumatic Rib Fender Performance Data

INTERNAL INITIAL PRESSURE: 80 kPa (0.8 kgf/cm<sup>2</sup>)

FENDER SIZE mm(D) x mm(L)	ENERGY ABSORPTION		REACTION FORCE		HULL PRESSURE AT 60% DEF.		SAFETY VALVE PRESSURE SETTING		TESTING PRESSURE	
	kN-m	tf-m	kN	tf	kN/m <sup>2</sup>	tf/m <sup>2</sup>	kPa	kgf/cm <sup>2</sup>	kPa	kgf/cm <sup>2</sup>
500 x 1000	9	0.9	95.4	9.7	191	19.5	-	-	196	2
1000 x 1500	50.3	5.1	268	27.3	179	18.3	-	-	196	2
1000 x 2000	71.1	7.3	378	38.6	189	19.3	-	-	196	2
1500 x 2500	193	19.7	684	69.8	183	18.7	-	-	196	2
1500 x 3000	241	24.6	857	87.4	191	19.5	-	-	196	2
2000 x 3500	484	49.4	1287	131	184	18.8	-	-	196	2
2000 x 6000	868	88.6	2311	236	193	19.7	-	-	196	2
2500 x 4000	942	96.1	2004	204	201	20.5	225	2.3	245	2.5
2500 x 5500	1353	138	2659	271	194	19.8	225	2.3	245	2.5
3300 x 4500	1693	173	2731	279	184	18.8	225	2.3	245	2.5
3300 x 6500	2732	279	4415	451	206	21	225	2.3	245	2.5
3300 x 10600	4730	483	7627	778	219	22.3	225	2.3	245	2.5

Fenders Compliant with ISO 17357

Tolerance +/- 10%