



Ocean Guard Fenders.

Characteristics

- ▶ Proportional increase of energy and reaction
- ▶ Extremely robust
- ▶ No performance loss and unsinkable even if damaged
- ▶ Smaller skin damages can easily be repaired on site
- ▶ Low hull pressure and non-marking Polyurethane skin

Applications

- ▶ Navy vessel berths and cruise terminals
- ▶ Ship-to-ship operations
- ▶ Ship-to-shore operations
- ▶ Oil & Gas Terminals

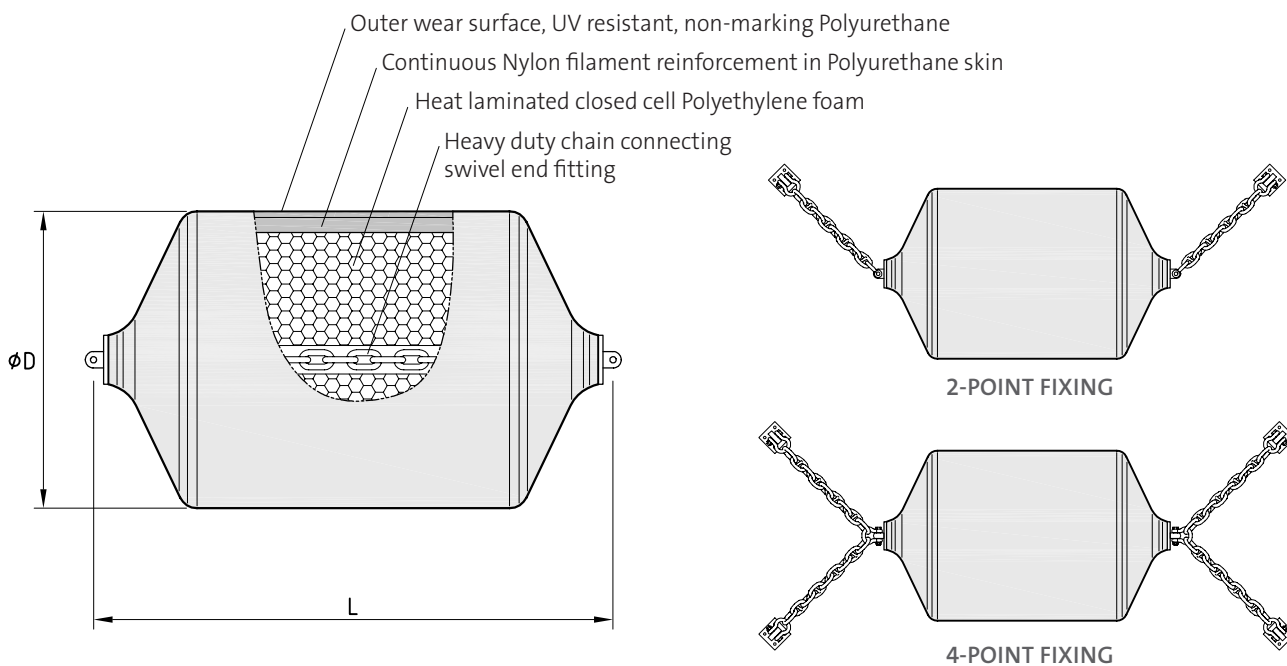
OCEAN GUARD FENDER DIMENSIONS AND PERFORMANCE VALUES

Fender Size D x L [mm]	Low Capacity				Standard Capacity				High Capacity				Chains / Shackles* [mm]
	Energy [kNm]	Reaction [kN]	Pressure [kN/m ²]	Weight [kg]	Energy [kNm]	Reaction [kN]	Pressure [kN/m ²]	Weight [kg]	Energy [kNm]	Reaction [kN]	Pressure [kN/m ²]	Weight [kg]	
700 x 1,500	20	78	104	148	29	133	172	159	39	174	224	170	19
1,000 x 1,500	28	128	104	203	49	174	172	225	62	227	224	247	19
1,000 x 2,000	41	147	104	248	68	254	172	281	88	329	224	314	19
1,200 x 2,000	54	167	104	352	91	280	172	395	118	365	224	438	25
1,350 x 2,500	91	245	104	528	152	418	172	601	198	543	224	675	25
1,500 x 3,000	140	343	104	716	232	578	172	831	301	752	224	946	32
1,700 x 3,000	170	369	104	821	282	619	172	967	366	805	224	1,113	32
2,000 x 3,500	273	507	104	1,292	455	845	172	1,534	592	1,099	224	1,776	38
2,000 x 4,000	324	605	104	1,496	540	1,006	172	1,784	701	1,308	224	2,071	38
2,000 x 4,500	374	699	104	1,702	624	1,161	172	2,018	811	1,508	224	2,334	38
2,500 x 4,000	455	716	104	2,152	802	1,197	172	2,536	1,042	1,557	224	2,920	50
2,500 x 5,500	720	1,072	104	2,801	1,201	1,789	172	3,406	1,562	2,327	224	4,011	50
3,000 x 4,900	859	1,063	104	3,317	1,431	1,508	172	4,037	1,861	2,309	224	4,757	65
3,000 x 6,000	1,111	1,379	104	4,317	1,852	2,296	172	5,264	2,408	2,986	224	6,210	65
3,300 x 4,500	900	1,015	104	3,739	1,499	1,691	172	4,482	1,950	2,198	224	5,225	65
3,300 x 6,500	1,454	1,638	104	5,338	2,423	2,732	172	6,594	3,150	3,551	224	7,851	65

Intermediate sizes and different foam capacities available upon request | Above mentioned sizes are indicative and may change during final design process

* For standard capacity

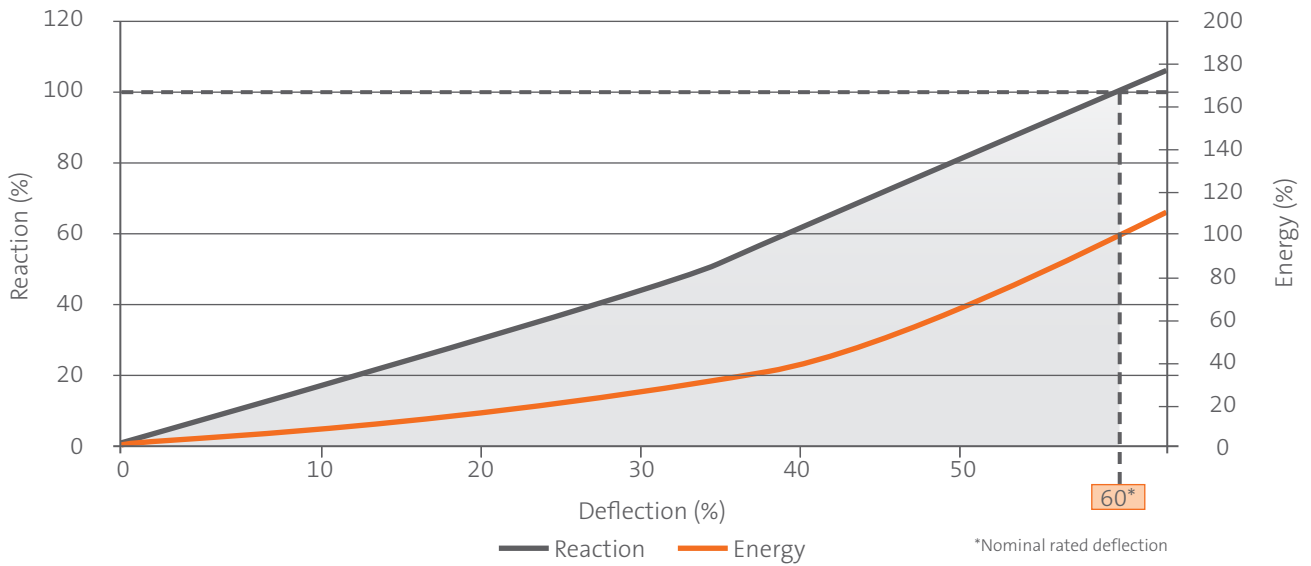
OCEAN GUARD FENDER DRAWING





Naval Base | Doha | Qatar

GENERIC PERFORMANCE CURVE OCEAN GUARD FENDERS





Cruise Terminal | Valetta | Malta



Port of Miami | Miami, FL | USA