

MARINE FENDER

Solid Polyurethane Fender

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ISO9001 Supplier

Class Certificate

Export Supply



Key Highlights

Category	Marine Fender
Standard	DIN
Material	Polyurethane
Weight / Size	The manufacturing process of Foam Filled Buoys allows for any size to be...
Certificate	CCS,BV,ABS,DNV,LR etc.

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.

Technical Specifications

Category	Marine Fender	Model / SKU	Solid-Polyurethane-Fender
Standard	DIN	Material	Polyurethane
Weight / Size	The manufacturing process of Foam Filled Buoys allows for any size to be constructed and selecting the appropriate grade of foam core and elastomeric skin means the performance of a foam filled buoy can be precisely gauged to meet specific specification requirements.	Surface	hot dip galvanized
Certificate	CCS,BV,ABS,DNV,LR etc.	Warranty	12 Months unless specified otherwise
Origin	China		

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- Features:
- The following performance parameters of the "standard" EVA foam filled fenders:

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It is a kind of constructive buoy with polyurea materials as its outer protective layer and EVA foam core forming the resilient inner part. Foam Filled Buoys are constructed of three parts each providing an important function in the construction and lifespan of the buoy. The three parts are closed cell EVA foam, outer rubber + nylon cord fabrics. And Polyurea spraying coat.

There are two types of Foam Filled Buoys, one is CTN Type with chain & tyre net and the other one is Sling Type without chain & tyre net.

Features:

- 1.High energy absorption with relatively low reaction force. Compared to the typical pneumatic rubber buoys, the same sized Foam Filled Buoys absorb up to 40% more energy. Additionally, the Foam Filled Buoy will not fail if punctured.
- 2.Foam Filled Buoys can be used in any tough conditions, providing tough, heavy-duty protection for ship-to-ship, ship-to-dock and ship berthing and mooring applications.
- 3.Easy to maintenance. As the internal construction consists of a solid heat laminated foam core, there is no need to maintain air pressure, inflation, or relief valves as with pneumatic rubber buoys.
- 4.Tough, nylon filament reinforced polyurea/polyurethane skin, optional Kevlar reinforcement.

The following performance parameters of the "standard" EVA foam filled fenders:

Size	Deflection 60%		Weight(±3%)
	Reaction force(KN)	Energy absorption(KJ)	(KG)
300×500	43	5	7
400×800	54	7	17
500×1000	89	32	23
700×1500	129	24	85
1000×1500	190	62	175
1000×2000	298	80	240

1200×2000	335	110	350
1350×2500	460	173	550
1500×3000	615	263	770
1700×3000	678	330	1075
2000×3500	940	535	1530
2000×4000	1095	630	1980
2000×4500	1250	690	2500
2300×4000	1380	735	2885
2300×5500	1860	1133	3480
2500×4000	1455	980	3390
2500×5500	1960	1230	3985
3000×5000	2180	1755	5350
3000×6000	2455	1960	6680
3300×4500	1960	1760	5750
3300×6500	3075	2830	8400
3500×7000	3975	3162	10100

- 1.The above performance parameters measured are based on static state;
- 2.Above reaction force and energy absorption tolerance of $\pm 10\%$;
- 3.Special sizes are available upon request processing;
- 4.Fender accessories have all been hot dip galvanized anti-corrosion treatment

Today's vessels demand the absolute best protection for berthing operations.

