

MARINE FENDER

Dependable Ball

Product Specification Marine dependable ball is a kind of protection facility suitable to be installed on the wharf. It can be absorbed the energy upon ship alongside and reducing the impact strength to ensure the ...

ISO9001 Supplier

Class Certificate

Export Supply



Key Highlights

Category	Marine Fender
Standard	DIN
Material	rubber sheet
Weight / Size	It is suitable for large size dependable ball.
Certificate	CCS,ABS,DNV,BV,RINA,LR,mill certificate etc.

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

Technical Specifications

Category	Marine Fender	Model / SKU	Dependable-Ball
Standard	DIN	Material	rubber sheet
Weight / Size	It is suitable for large size dependable ball.	Surface	To avoid damage by protruding material near the surface, jacket can be provided as per user's need.
Certificate	CCS,ABS,DNV,BV,RINA,LR,mill certificate etc.	Warranty	12 Months unless specified otherwise
Origin	China		

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Product Specification

Marine dependable ball is a kind of protection facility suitable to be installed on the wharf. It can absorb the energy upon ship alongside and reduce the impact strength to ensure the structure of vessel and wharf harmless.

Marine charged rubber dependable ball without jacket of me belongs to the basic type; normally it is black or can be other color as per customer's demand. To avoid damage by protruding material near the surface, jacket can be provided as per user's need. The jacket has three types.

Tyre Network Type:

Tie several tyres on to the ball, two ends are tied on special flying ring which can turn flexibly. It is suitable for large size dependable ball.

Rubber Network Type:

Tie special rubber padder onto the ball, it can shrink or stretch freely when squeezing. It is suitable for medium size & small size dependable ball.

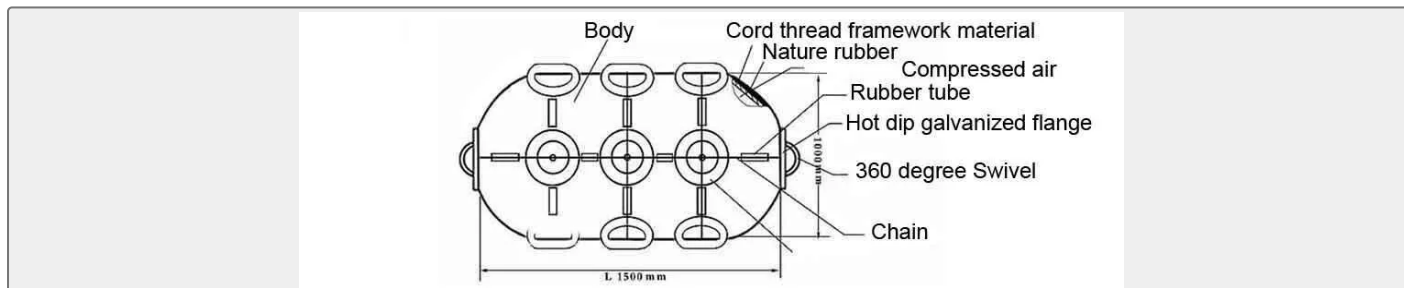
Cord Network Type

Weave a net cover by nylon rope; tightly tie it on the ball. It is suitable for small size dependable ball.

Feature:

- 1.Sound Floating performance which can be positioned at ideal waterline.
- 2.Easy and fast for installation.
- 3.Applicable for pier and dock with large tide scope,ships and emergency purpose.

Structure



Specification for Small and Medium Size Vessel

Shipping tonnage	Size of floating ball (Diameter×Length)m	Remarks
50	0.5×1.0	Fisher
100	0.7×1.5, 1.0×1.5	Fisher
200	1.0×1.8, 1.0×2.0	Fisher, Tugboat
300-500	1.2×2.0, 1.5×2.5	Fisher, Tugboat
1000	1.5×2.5, 1.5×3.0	Tugboat, Transport vessel

3000	2.0×3.0, 2.0×3.5	Ocean dragnet vessel, Transport vessel
10000	2.0×3.5, 2.5×5.0	Transport vessel

Specification for Large Size Vessel

A Vessel(DWT)	B Vessel(DWT)	Assumed string meeting velocity(m/s)	Effective movement energy(KJ)	Size of floating ball(D×L)
300,000	200,000	0.15	1230	3.3×6.5
	150,000	0.15	1030	3.3×6.5
	100,000	0.15	781	3.3×6.5
200,000	150,000	0.15	882	3.3×6.5
	100,000	0.15	693	3.0×6.0
	85,000	0.15	618	3.0×5.0
100,000	85,000	0.17	617	3.0×5.0
	50,000	0.18	511	3.0×5.0
	40,000	0.20	544	3.0×5.0
50,000	40,000	0.20	425	2.5×5.5
	30,000	0.22	437	2.5×5.5
	20,000	0.25	443	2.5×5.5
20,000	15,000	0.27	318	2.5×4.0
	10,000	0.30	309	2.0×3.5
	5,000	0.35	253	2.0×3.5
10,000	5,000	0.35	212	2.0×3.5
	3,000	0.40	196	2.0×3.5
	1,000	0.50	127	2.0×3.0