



Marine Pneumatic Fender

 **ZHIYOU MARINE**
Marine & Offshore Equipment Supplier

Shanghai Zhiyou Marine & Offshore Equipment Co., Ltd

Web: www.marineoutfittings.com

Email: info@marineoutfittings.com

Tel: +86 21 5645 2367

Brief

Marine pneumatic fender (Inflatable rubber fender) which use of compressed air as a buffer medium to absorb the impact energy of the ship, the ship docked with a more flexible and soft, in order to achieve anti-collision collision avoidance effect. They can be used for ship-to-ship contact (STS) and ship-to-berthing (STB). Pneumatic rubber fenders are widely used by large tankers. LPG vessels, ocean platforms, large docks, boats, harbors and wharves.

Specification

All range of sizes and customized products.

Optional tires and chains.

Material of chains with hot galvanizing or stainless steel.

Other requirements.

Features

Absorb more energy, less reverse impact on the ships.

More flexible, easy installation.

Long service life.

Good air tightness, safety and reliability.

High shock absorption, low counter force and enhance port ability.

Many different sizes available.

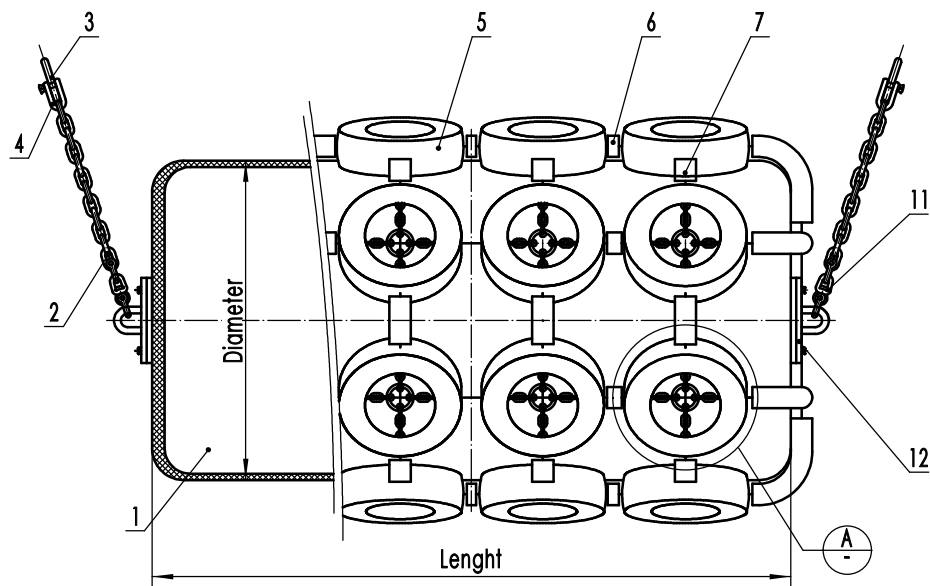
Durable, practical and economical.

Dimensions

Nominal Size (Dia.×Length)				
Φ500×1000	Φ600×1000	Φ700×1500	Φ1000×1500	Φ1000×2000
Φ1200×2000	Φ1350×2500	Φ1500×3000	Φ1700×3000	Φ2000×3500
Φ2500×4000	Φ2500×5500	Φ3000×5000	Φ3000×6000	Φ3300×4500
Φ3300×6000	Φ3300×6500	Φ3300×10600	Φ4500×9000	Φ4500×12000

More dimensions please see the drawing enclosed. Customized solution or any other requirements please [contact us](#).

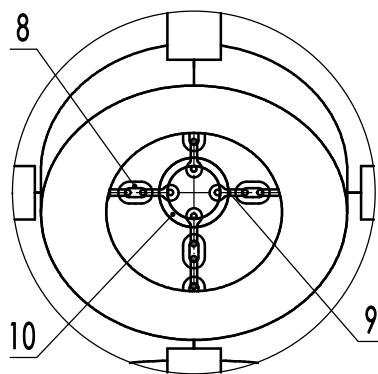
The drawings are for reference only, do not use for production. 此圖紙僅供參考，不作為生產圖紙。



SIZE (Dia. x Length) m	INITIAL PRESSURE 0.05Mpa		INITIAL PRESSURE 0.08Mpa	
	WEIGHT Kg	REACTION FORCE KN	WEIGHT* Kg	REACTION FORCE KN
Ø0.5 x 1.0	25	67	25	85
Ø0.6 x 1.0	32	74	32	98
Ø0.7 x 1.0	50	137	50	180
Ø1.0 x 1.5	80	182	80	239
Ø1.0 x 2.0	100	257	125	338
Ø1.2 x 2.0	120	297	165	390
Ø1.35 x 2.5	165	427	226	561
Ø1.5 x 3.0	315	579	370	761
Ø1.7 x 3.0	405	639	436	840
Ø2.0 x 3.5	590	875	632	1150
Ø2.5 x 4.0	1050	1381	1110	1815
Ø2.5 x 5.5	1333	2019	1410	2653
Ø3.0 x 5.0	1880	2000	2155	2709
Ø3.0 x 6.0	2160	2488	2470	3292
Ø3.3 x 4.5	2020	1884	2300	2476
Ø3.3 x 6.0	2300	2783	2600	3652
Ø3.3 x 6.5	2700	3015	3080	3961
Ø3.3 x 10.5	4403	5257	5020	6907
Ø4.5 x 9.0	6554	5747	7470	7551
Ø4.5 x 12.0	8739	7984	9960	10490

NOTE: Weight shown above in this sheet is the fender body weight (without tires and chain), the weight error is ±10%, and counter force error is ±10%.

12	Flange	H.D.G./ Stainless Steel
11	Rotation Ring	H.D.G./ Stainless Steel
10	Ring	H.D.G./ Stainless Steel
9	Shackle	H.D.G./ Stainless Steel
8	Chain	H.D.G./ Stainless Steel
7	Rubber Tube	Rubber
6	Tube	H.D.G./ Stainless Steel
5	Tire	Rubber
4	Shackle	H.D.G./ Stainless Steel
3	U-type Ring	H.D.G./ Stainless Steel
2	Chain	H.D.G./ Stainless Steel
1	Rubber Fender Body	Rubber



VIEW A
SCALE 1:2

NO.	NAME	MATERIAL
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REV.	DESCRIPTION	APPROVED	DATE
0	ISSUED FOR REVIEW.		24/07/2019



Shanghai Zhiyou Marine & Offshore Equipment Co., Ltd
 Room 405, Fudan Software Park, 188 Changyi Road, Shanghai China.
 Tel: +86-21-5645-2367
 Email: sales@zhiyoumarine.com info@marineoutfittings.com
 Web: www.zhiyoumarine.com www.marineoutfittings.com

NOTE	ALL DIMENSIONS ARE IN MILLIMETERS U.N.O.			
DWG. NAME	MARINE PNEUMATIC RUBBER FENDER			
	SCALE	1:25 @A3	DWG. NO.	ZY9469-160510
	SHEET	1/1	DOC. NO.	-

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