



JIER

Marine Fenders



QINGDAO JIER ENGINEERING RUBBER CO., LTD.

Address: No. 8 Jier Road, Jiaobei Industrial Zone,
Jiaozhou, Qingdao, China

Website: www.finerfender.com

Contact Email: jierfender@gmail.com



ABOUT JIER

Qingdao Jier Engineering Rubber Co., Ltd. is a leading manufacturer of marine rubber fenders, marine hoses, mooring systems and other marine accessories. We are specialized in the design, manufacture and sale of rubber fenders and fender systems.

Quality of manufacture, innovative designs and efficient service are the hallmarks of all JIER marine rubber fenders. We totally know the importance of clearly stating to our clients' needs before advising them with an engineered solution. This perspective provides our business partners with a high level of confidence in JIER design capabilities, and our philosophy has resulted in a substantial rate of repeat customers for the company.

JIER prides in manufacturing the highest quality marine rubber fenders with the latest technology. From initial design to manufacture, JIER builds quality into every part. Testing and inspection of our marine fenders and their components insure that our rubber fenders will provide the reliability and service needed to meet marine environment demands.

CONTENTS

2	About JIER
3	JDA Arch Fender
3	JCO Cone Fender
4	JSC Super Cell Fender
4	JCY Cylindrical Fender
5	JD D Type Fender
5	JDO Wing Fender
6	JFO Square Fender
6	JUE Element Fender
7	Tug Fender-JW, JM, JTB
8	JZD-A Roller Fender
8	JZA-B Wheel Fender
9	JCQ Pneumatic Fender
9	JPF Foam Filled Fender
10	UHMW-PE Frontal Pad
10	Accessories-Chains, Shackles, U anchors, Bolts, Nuts, Washers
11	Quality/Performance/Test

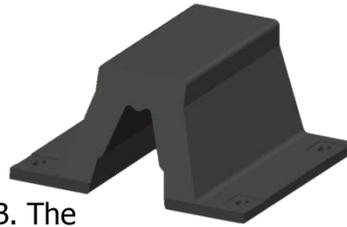
www.finerfender.com
jierfender@gmail.com



JDA Arch Fender



JIER manufactures two types Arch Fenders, JDA-A and JDA-B. The JDA-A fender has a rubber contact face ideal for all general purpose applications. The higher friction of the rubber surface can be used to good effect to dampen the movements between vessel and wharf in sea swells and similar conditions. Where friction must be low or when a facing panel is required, the JDA-B fender is ideal with its encapsulated steel head plate with integral bolting points.

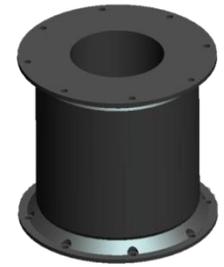


JSC Super Cell Fender



In the front it is equipped with a frontal frame which greatly reduce the face pressure on ship panel and the friction coefficient. Due to its structure, the product has the characteristic of higher force absorption and long usage life.

Cell Rubber Fender here mentioned is improved over the ordinary type. It has high absorption energy per unit weight and low tilt compression performance change among all types of compressed fenders. In the



JCO Cone Fender



Cone Fenders are the latest generation of "Cell Fender" combining excellent energy capacity with low reaction force to give the most efficient performance of any fender type. The conical shape keeps the body stable under all combinations of axial, shear and angular loading, making it ideal for berths where large berthing angles and heavy impacts need to be accommodated. All Cone Fenders are single piece mouldings so they are robust, long lasting and easy to install. UHMW-PE faced steel frontal frames are generally used in conjunction with Cone Fenders.



JCY Cylindrical Fender



Cylindrical Fenders are simple to install and operate which makes these units an economical solution for remote locations and for multi user berths where vessel types cannot always be predicted. Their progressive load-deflection characteristics make the same fender suitable for both large and small vessels, and with a wide choice of sizes and diameter ratios, performance can be closely matched to requirements in each case. Choice of mounting systems to suit different structures and applications.

Cylindrical Fenders are simple to install and operate which makes these units an economical solution for remote locations and for multi user berths where vessel types cannot always be predicted. Their progressive load-deflection characteristics



JD D Type Fender



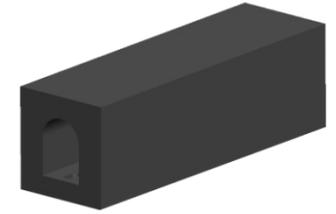
D Fenders can be pre-curved, chamfered and drilled to aid installation at a relatively low cost and can also be cut to the length required. They provide an excellent barrier against damage from all sizes and shapes of vessels. They are ideal for smaller quays and wharves serving fishing boats, tugs, barges and other work craft. D Fenders are also commonly used on pontoons and on inland waterways for lock protection.



JFO Square Fender



Square Rubber Fenders offer similar advantages to D fenders and are typically used where a stiffer fender is required. The square profile gives these fenders heavier shoulders which make them ideal for tougher service environments. Square fenders are commonly used as beltings and also on the bow or stern of smaller tugs as pushing fenders since they can be fitted closely together to reduce the risk of ropes or protrusions catching between adjacent sections.



JDO Wing Fender



JDO Wing Type Rubber Fenders are developed on the basis of D Type Fenders. They can be fixed with double line anchors which greatly increase the installation stability. Furthermore, their anchoring bolt is bigger than D type so that the anchoring grip is double to D type.



JUE Element Fender

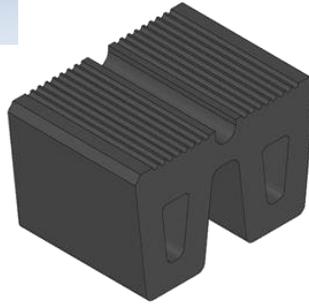


Unit Element Fenders are a high performance, modular system. Element Fenders can be combined in unlimited permutations of length, orientation and Energy Index to suit a wide variety of applications. The simplest Unit Element system is the UE-V fender which employs pair(s) of elements and a structural UHMW-PE face. UE-V fenders combine high energy capacity with low friction face and high wear resistance.



Tug Fenders-JW, JM, JTB

W Type Rubber Fenders are specially designed as vertical fenders for the bow and stern of tugs. The unique profile of W Fender is able to accommodate the tight radius and closely follow the ship's contours.

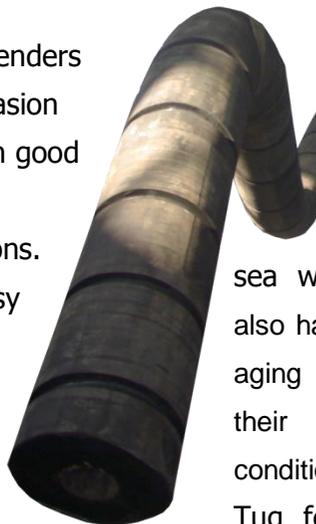


M Type Rubber Fenders are also used for pushing. They provide a large flat contact face for very low hull pressures – useful when working with soft hulled ships such as tankers and bulk carriers.

The grooved profile gives extra grip and the M Fender can easily be mounted around on straight sections and fairly small radii at the bow and stern quarters of a tug.

Tugboat Rubber Fenders are made of high abrasion resistance rubber with good resilience properties for required applications.

These fenders are easy to install and dismantle with user friendly fixtures, tool tackles. They are very popular with small port craft owners and tug owners.

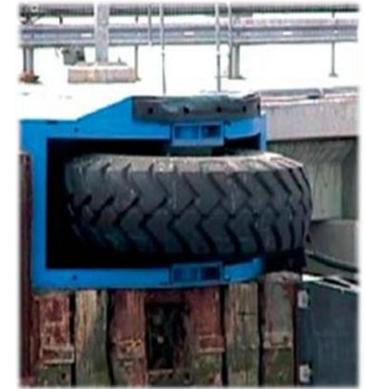


They are compression molded in high pressure thermoplastic fluid heated moulds and have excellent sea water resistance. These fenders also have excellent resistance to ozone aging and UV rays, which enhances their life under severe working conditions.

Tug fenders must work harder, for longer and under more adverse conditions than any other fender type.

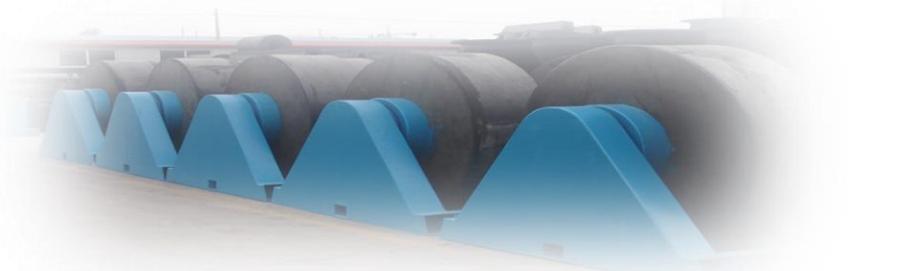
JZD-A Roller Fender

These Fenders are commonly installed along the walls of dry docks and other restricted channels to help guide vessels and prevent hull damage. Roller Fenders are also used on berth corners and lock entrances where lower energy capacity is required. The wheel is on a fixed axle supported by a special frame. Performance can be modified where required by adjusting the initial pressure. The heavy duty steel supporting frame is designed to allow easy access to all moving parts. Corrosion traps are eliminated contributing to a low maintenance service life.



JZD-B Wheel Fender

Fenders help vessels manoeuvre into berths and narrow channels. Different configurations are used for a variety of locations such as locks and dry dock entrances and exposed corners. The wheel has a sliding axle in front of two idler rollers to absorb the greatest possible energy during compression of the wheel into the casing. Performance can be modified where required by adjusting the initial pressure.



JCQ Pneumatic Fender

Pneumatic Rubber Fenders have been in use for around 50 years. The development of the Pneumatic Fender has progressed through the years in conjunction with the changing shapes, designs and size of ships and ship technology. It is the leading anti-collision device for marine application in the world. This compressed air filled rubber fender is used as a protective medium for ship-to-ship contact (STS), ship to quay (STQ) and ship-to-berthing (STB).



JPF Foam Filled Fender

Foam Filled Fenders are versatile, robust and suitable for almost all applications. The manufacturing process allows for virtually any size of fender to be constructed and selecting the appropriate grade of foam core and elastomeric skin means the performance of a fender can be precisely gauged to meet specific specification requirements.



UHMW-PE Frontal Pad



UHMW-PE, Ultra High Molecular Weight Polyethylene, has become the material of choice for facing steel fender panels and where the combination of very high impact and abrasion resistance with low-friction properties is needed. UHMW-PE is the strongest and toughest of all polyethylene grades for marine applications – even outlasting steel as a facing material, and many times better than timber facings.

Accessories-Chains, Shackles, U anchors, Bolts, Nuts, Washers



JIER can supply marine rubber fenders with all necessary accessories including drawings and operational manuals.

Quality/Performance/Test



Our Quality Control Center is equipped with complete testing equipments therefore all quality tests will be finished in our factory prior to delivery. Those essential tests include Compression Test, Tensile Test, OZONE Resistance Test, Abrasion Resistance, etc.



- 1 OZONE Resistance Test Machine
- 2 Tensile Test Machine

