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Baspar Sazeh Pazavar Co.



Baspar Sazeh Pazavar (BSP) was established in 2004 with its head office located in Tehran and a plant in Semnan, IRAN .

BSP Co. is a general contractor in IRAN and the largest manufacturer of fender and components in the already mentioned regions and services as a pioneer investor in the Persian Gulf projects.

Due to its extensive relationship and interaction with the international companies and institutions, BSP has managed to gain access to and transfer advanced and world-class know-how, technologies and raise the level of Iran's industrial capabilities. BSP has set up a powerful chain for the procurement of goods and services inside and outside of Iran.

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Core Business

BSP peoples are totally dedicated to improve quality and performance efficiency in Fender systems as core business. They are dedicated to developing the best materials and designs that lead to optimum product solutions by continuous investment and research.

These characteristics amongst others, have contributed to the success of the various strategic alliances BSP Group has forged with some of its customers.

BSP Group are sensitive and committed to the needs of its customers and is always prepared to give them the service they expect and deserve.

Possessed with profound, innovation capacity and independent intellectual property right, pursued to service for independent technological smart grid.



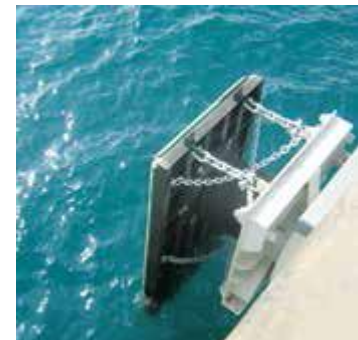
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Some Range of Products

- **Fenders**
 - **Cylindrical Fenders**
 - **Super Cell Fenders**
 - **Arch Fenders**
 - **Shock Cells**
 - **D & V – Fenders**
 - **Rub Strips**
- **Rubber and Metal Expansion Joints**
- **Diaphragm Closure**
- **Flexible Hoses**
- **Flexible Couplings**
- **Dredging Hoses**
- **Lining Service**
- **Metal Structure**

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BSP offers a complete range of marine fender products, frontal frames and accessories to suit most applications.

The range of product supplied covers new installations, replacement fenders for existing installations, fenders for installation upgrades and well as custom designed fenders to suit specific client needs.



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Some of our products are exported to overseas and installed successfully:

Khor Fakkan (is a town located along the Gulf of Oman on the east coast of the United Arab Emirates (UAE).

Sharjah Port (is the only one to have land on both the Persian Gulf and the Gulf of Oman)

Baku International Sea Trade Port

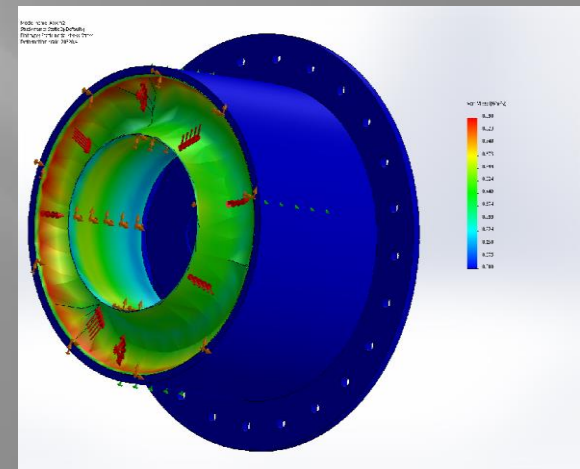


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Design and Engineering

The principle purpose of a Fender system is to protect the hull and berthing facility from damage when vessels berth alongside.

The Shock Cell functions as a shock absorber by absorbing the berthing energy of a vessel on the berthing facility and softens the impact to the berth and hull.



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Application engineering, detailed design calculations and installation supervision are all available through our Exclusive cooperation with the consulting engineering companies.

All BSP products are designed, manufactured and tested in accordance with related standards. Currently, BSP is the only company which has access to the type of engineering knowledge, standard and guides which are required for the implementation of Shock Cell projects in the region.



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Standards & Testing

- BSP has excellent engineering resources and test facilities for product development.
- BSP has a Quality Management system administered to and accredited to ISO 9001:2008 standards and a testing protocol compliant with the PIANC 2002 Guidelines for the design of fender systems. High Quality product is guaranteed.
- BSP maintain strict Quality Controls (ISO, AWS, ASME, ASTM, SSPC, ...) to ensure total compliance with respective Standards.



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- Compression tests are carried out on the actual Fenders (i.e. shock cell) and the performance (absorbed energy and maximum reaction) of the Fender should be compared.
- The performance of the Fenders are expressed by value of energy absorbed during the compression up to the prescribed deflection and the maximum value of reaction load thus generated.
- All BSP products are fully warranted.



SANTAM

STM-20

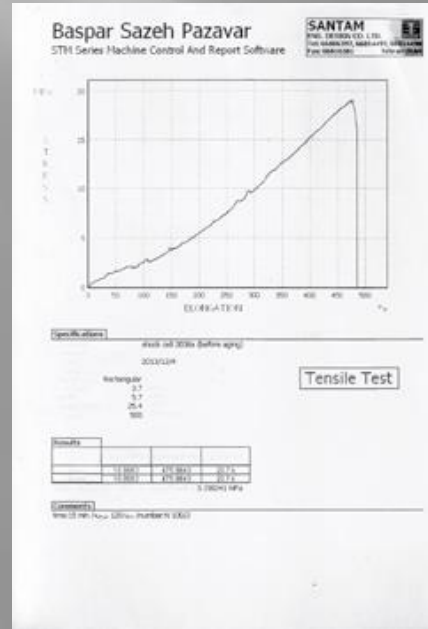
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➤ Clients can be assured of total quality of product to designed specifications. BSP back this up with comprehensive testing and documentation at each process of construction. Documentation is supplied on an ongoing basis to comply with any client requirement. (like UT, PT and MT of welding joints and other control acc. to ISO13920)

➤ Third party and witness testing are available as per client requirements.

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BASPAR SAZEH PAZAVAR COMPANY

ULTRASONIC EXAMINATION REPORT

DWG No: P01-EST-GR-WP18-1087-01
Title: Shock Cell BSP20365
Client: I.O.C Contractor: BSP

Equipment: Ttu Sino
Material: API X80 (2.35)
Standard Sensitivity Probe: SDH - 21.8 mm
Probe Type: 5MHz 60°
Thickness: 25 mm
Calibration Block: V2
Gain: 45 dB
Surface Roughness: Brushing
Couplant Type: Paper Gasket
Welding Process: 50000
Joint Type: Single Bevel Groove
Screen Height Linearity: 150/20
Standard: AWS D.1.1
Amplitude Control Linearity: 150/20

Item	Serial No.	Weld No.	Dip	Exam Length	Scan SD	Th. mm	Scan Drive	Lay	Int. Location (mm)			Defect Class	Accept
									X	Y	D		
1	002	W1	60	2900	28	25	2.4	---	---	---	---	---	Y
2	003	W1	60	2900	28	25	2.4	---	---	---	---	---	Y
3	004	W1	60	2900	28	25	2.4	---	---	---	---	---	Y
4	005	W1	60	2900	28	25	2.4	---	---	---	---	---	Y

Sketch:

Remarks:

Scanning Direction:

Baspar Sazeh Pazavar Co.	EPCI Contractor (IOC)	TPA Company	IOOC
Name: [Signature] Date: [Date] Sign: [Signature]	Name: [Signature] Date: [Date] Sign: [Signature]	Name: [Signature] Date: [Date] Sign: [Signature]	Name: [Signature] Date: [Date] Sign: [Signature]

Q.C
شرکت سازه پازوار
باسپار سازه پازوار

Accessories and Fixings

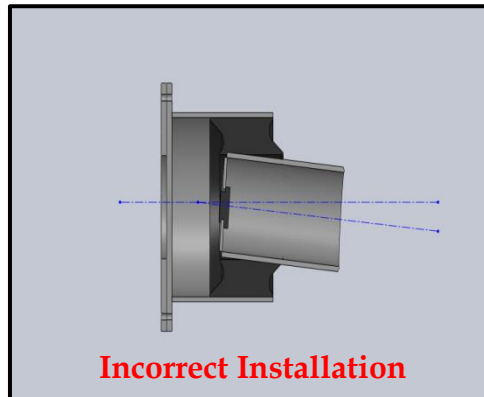
- High quality accessories and fixings to assemble and install Fender and Frontal Frame are an important part of each product.
- Bolts, nuts and washers in mild steel or hot galvanized and in various grades of stainless steel are available as per client requirements.
- To ensure a trouble free and smooth installation on site, all components are checked prior to delivery and certify by related certificates.



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Installation

- Important conditions for a smooth and on-time installation on site require all components to be not only supplied in correct quality and quantity but also to match each other properly.
- We check this prior to delivery and provide our customers with detailed installation illustrate instructions.



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FOROOZAN OFFSHORE COMPLEX DEVELOPMENT,
EPCI Project of Wellhead Platform F18

Research and Development

(new product)

- **Single & Double Carcass Floating Hose**
- **Tire retreading Off the Road**
- **Base Insulation**
- **Metal Structure**
- **Painting Workshop**



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We care about now
dedicated to excellences



We can make it.
At the heart of Persian
Gulf

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