

**Rubtech**<sup>TM</sup>  
[www.rubtech.ae](http://www.rubtech.ae)

RESILIENT  
RUBBER  
PRODUCTS

**Hira**  
INDUSTRIES

Manufacturers of Moulded &  
Extruded Rubber Products



# INTRODUCTION

Established in 1980 in Dubai, United Arab Emirates, the **Hira Group** started their activities in the air-conditioning industry and is today one of the most trusted name in the Middle East and India for HVAC requirements.

**Hira Industries L.L.C** is the manufacturing division of the group with an established state-of-the-art rubber plant, catering to the markets demands for moulded and extruded rubber products. Rubtech™ brand of rubber products are made as per customer specifications for industrial, marine and construction industries. At Hira Industries, our mission is to be a full-line designer, producer and supplier of all customized rubber requirements. We aim to constantly improve our products and services by continually reducing the variability of our process and never depending upon inspection to achieve quality, but as a tool to measure this variability.

## **Rubtech™ Product Range**

Rubtech™ Rubber Corner Guards  
Rubtech™ Rubber Wheel Stoppers  
Rubtech™ Rubber Wall Guards  
Rubtech™ Rubber Speed Humps  
Rubtech™ Marine Fenders  
Rubtech™ Neoprene Pads  
Rubtech™ Moulded & Extruded Rubber Products  
Rubtech™ EPDM Rubber Profiles

**Design and Development:** The Rubtech™ Rubber Division of Hira Industries has technically qualified professionals for developing new products or modifying existing ones to offer total customized solutions and meet stringent customer demands. Computer Aided Designs and electronic file sharing capabilities decrease product development time and increase accuracy. Updated technical know-how enables the team to create designs that are easier to manufacture and can be competitively priced.

**Regional and International Presence:** Rubtech™ brand has a very strong presence in UAE, Saudi Arabia, Kuwait, Oman, Qatar, Bahrain and in most of the other Middle East countries. The brand has also been widely accepted in US, UK, and other European countries. This itself is a testimony to the high quality standards the division has adopted and sustained in all these years.

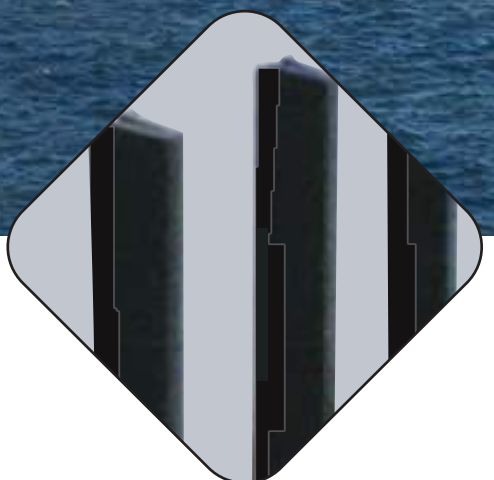
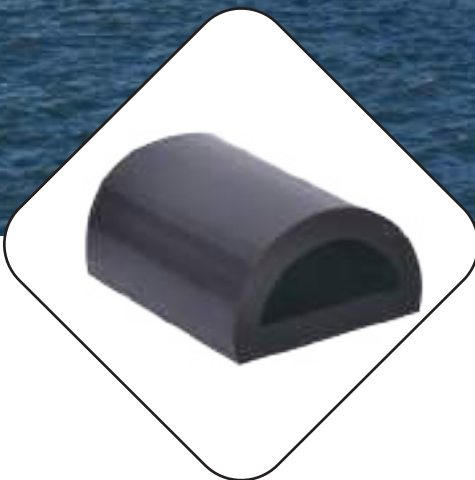
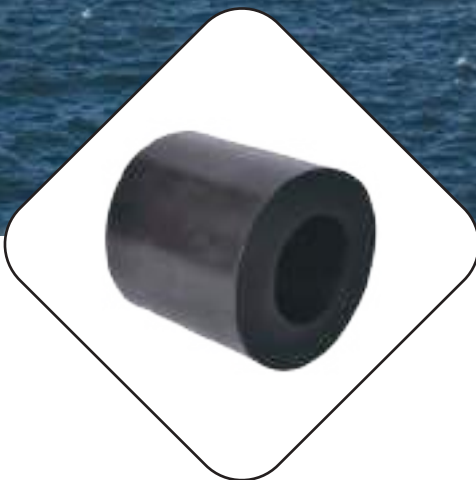
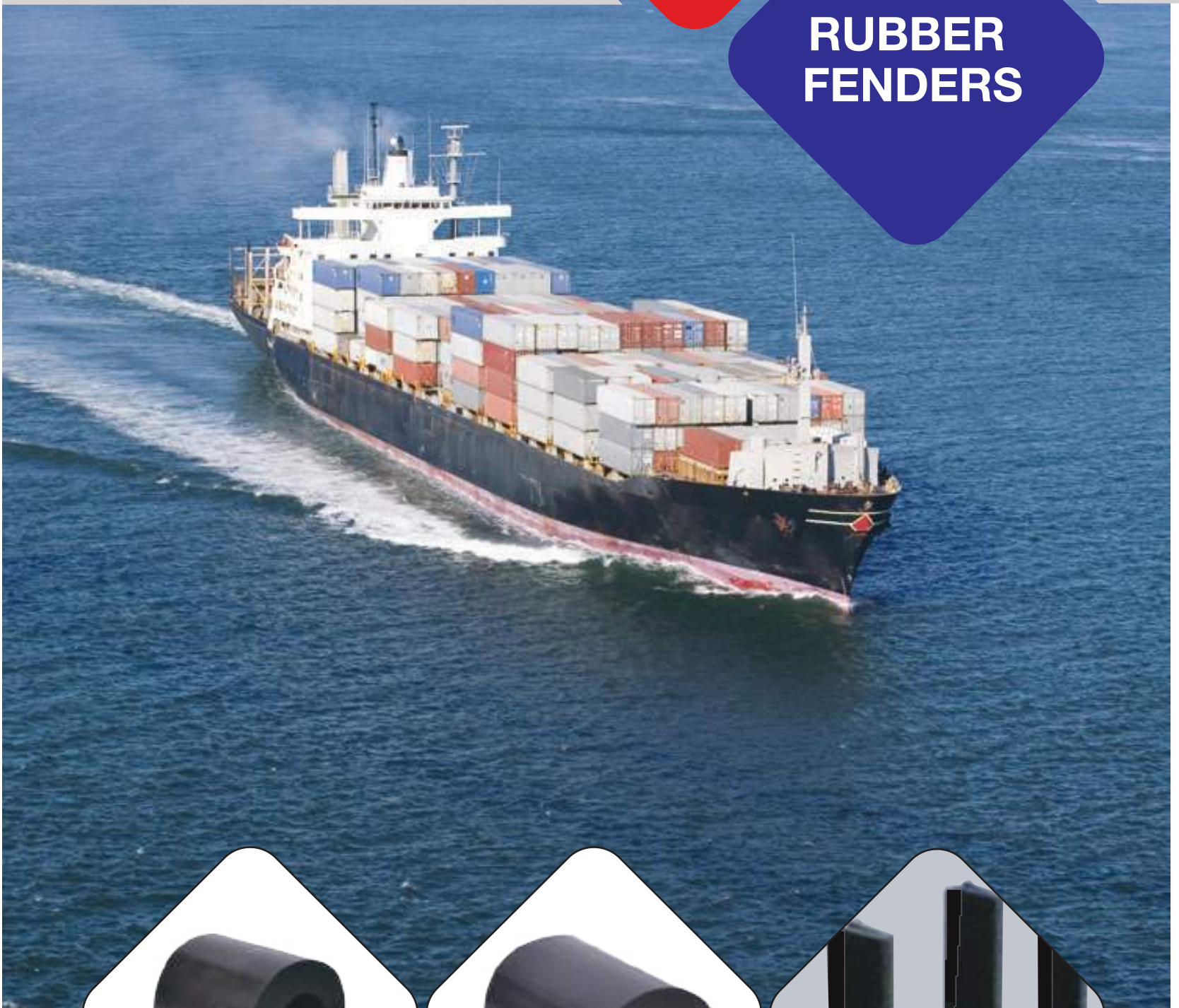
**Customer Focused Approach:** At Hira Rubber division, we believe in total satisfaction that leads to retaining the customer in the long run and consolidating the company's position in the competitive arena. Service oriented approach has always been our priority and we consider it to be our strength and technical superiority as the core competence. In case you need any clarification or guidance, please feel free to call on +971 4 884 8414 or send an e-mail to enquiry@rhira.com. We will be more than happy to assist you in the best possible manner.

Rubber Products from HIRA INDUSTRIES

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# RUBBER FENDERS



**WHERE RELIABILITY IS ON PRIORITY**

Rubber Products from HIRA INDUSTRIES

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# RUBBER FENDERS

## WHERE RELIABILITY IS ON PRIORITY

### DESCRIPTION:

Fenders are designed to prevent boats/ships and the dock from being damaged during the mooring process or during berthing process.

### MATERIALS:

The Fenders are made of high impact resistant extruded rubbers either in EPDM or natural rubber. The standard color is black. However, the Fenders are also available in various colors on request. EPDM Fenders have excellent weather resistance, ozone resistance, crack resistance and high abrasion resistance.

### TYPES:

The Fenders are available in the following types.

- 1) D-Fenders
- 2) Cylindrical Fenders
- 3) Arch Fenders
- 4) Element Fenders
- 5) Cone Fenders
- 6) Square Fenders

Customized Fenders can be manufactured as per client requirement.

### STANDARD LENGTH:

The standard length of the Fender is 5 meters.

### INSTALLATION:

The Fenders can be fixed horizontally to a wall or mounted in short vertical strips on flat or curved surfaces.

# RUBBER SELECTION DATA CHART

	NATURAL RUBBER	SBR	EPDM	NEOPRENE CR
<b>COST FACTOR</b>	1	1	1	2
<b>HARDNESS RANGE</b>	30-95°	40-95°	30-85°	30-90°
<b>COLORS</b>	Black	Black	Full Range	Limited Range
<b>HEAT RESISTANCE (°C)</b> Maximum Continuous Maximum Intermittent	75 °C 105 °C	85 °C 115 °C	130 °C 150 °C	95 °C 125 °C
<b>LOW TEMPERATURE RESISTANCE</b>	-60 °C	-55 °C	-50 °C	-40 °C
<b>RESISTANCES</b> Oxidation Ozone & Weathering	Poor Poor	Poor Poor	Excellent Outstanding	Good Good
<b>OIL RESISTANCE</b> *ASTM Oil No. 1 at 20 °C at 100 °C *ASTM Oil No. 3 at 20 °C at 100 °C	Poor Unsatisfactory Unsatisfactory Unsatisfactory	Poor Unsatisfactory Unsatisfactory Unsatisfactory	Fair Unsatisfactory Unsatisfactory Unsatisfactory	Excellent Good Good Fair
<b>FUEL RESISTANCE</b> *ASTM FUEL B at 40 °C	Unsatisfactory	Unsatisfactory	Unsatisfactory	Poor
<b>CHEMICAL RESISTANCE</b> Acids Bases	Poor-Fair Poor-Fair	Fair Good	Good Good	Good Fair
<b>PHYSICAL STRENGTH</b>	Fair-Good	Good	Good	Good
<b>COMPRESSION SET</b>	Poor	Good	Good	Fair to Good
<b>TEAR &amp; ABRASION RESISTANCE</b>	Fair	Good	Good	Good
<b>RESILIENCE</b>	Fair	Good	Very Good	Very Good
<b>PERMEABILITY TO GAS</b>	Poor	Fairly Low	Fairly Low	Low
<b>FLAME RESISTANCE</b>	Poor	Poor	Poor	Self-extinguishing
<b>WATER RESISTANCE</b>	Fair	Good	Excellent	Good

## SPECIFICATION

Hira Industries presents a range of rubber protection systems that are made of high impact resistance rubber manufactured in a number of different sizes and color configurations. Rubtech™ product range comprises of elements which can control the speed of vehicles; thus, protecting people, structural surfaces and other vehicles in the car park.

Rubtech™ product range also incorporates other elements which are purely for impact resistance, in order to avoid or minimize the potential damage to a structural component such as a column, a wall or a loading dock area when impacted.

The system has an aesthetic finish with concealed fixings, ease of installation, maintenance free and has an excellent resistance to UV and weathering. SBR Rubber properties are used in the manufacture of impact protection systems.

Sr.No.	Test Description	Unit	ASTM Method	Lab Observation
1.	Material	-	-	SBR
2.	Specific Gravity	-	-	1.450
3.	Hardness	°SA	D2240	75±5
4.	Tensile Strength	N/mm <sup>2</sup>	D412	12.0
5.	Elongation at Break	% Min	D412	325
6.	Tear Resistance- Die C	KN/m min	D624	30
7.	Compression Set at 22hrs at 70 °C (158 °F)	% Max	D395	26
8.	Ageing Resistance 70hrs at 100 °C (212 °F)	°F	D573	Below are the results for the Ageing Resistance after the duration of time and temperature.
8.1	Change in Hardness	Points	D573	+4
8.2	Change in Tensile Strength	%	D573	-25
8.3	Change in Elongation at Break	%	D573	-22
9.	Water Resistance			Good
10.	Weather Resistance			Good

Note: Above specifications are for all products except Neoprene Pads and Rubtech Rubber Fenders

# CERTIFICATE OF REGISTRATION

This is to certify that the management system of:

## Hira Industries LLC

Main Site: Plot No 118 to 123, 307, 309 & 311, Al Ghail Industrial Park  
– RAKEZ, P.O. Box 9013, Ras Al Khaimah, United Arab Emirates

has been registered by Intertek as conforming to the requirements of:

## ISO 9001:2015

The management system is applicable to:

Manufacture of Molded & Extruded Rubber Products, Aerofoam Closed Cell Polyolefin & Elastomeric Insulation Materials and Accessories, Self-Adhesive Tapes.

**Certificate Number:**

QMS 180405

**Initial Certification Date:**

07 May 2018

**Date of Certification Decision:**

07 May 2018

**Issuing Date:**

07 May 2018

**Valid Until:**

06 May 2021



**Calin Moldovean**

President, Business Assurance

Intertek Certification Limited, 10A Victory  
Park, Victory Road, Derby DE24 8ZF, United  
Kingdom

Intertek Certification Limited is a  
UKAS accredited body under  
schedule of accreditation no. 014.





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## ISO 14001:2015

The management system is applicable to:

Manufacture of Molded & Extruded Rubber Products, Aerofoam Closed Cell Polyolefin & Elastomeric Insulation Materials and Accessories, Self-Adhesive Tapes.

**Certificate Number:**

EMS 180405

**Initial Certification Date:**

07 May 2018

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07 May 2018

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has been registered by Intertek as conforming to the requirements of:

## ISO 45001:2018

Certified to OHSAS 18001:2007 from 07.05.2018 to 04.05.2020.

The management system is applicable to:

Manufacture of Molded & Extruded Rubber Products, Aerofoam Closed Cell Polyolefin & Elastomeric Insulation Materials and Accessories, Self-Adhesive Tapes.

**Certificate Number:**

0101447

**Initial Certification Date:**

07 May 2018

**Date of Certification Decision:**

04 May 2020

**Issuing Date:**

04 May 2020

**Valid Until:**

06 May 2021



**Calin Moldovean**

President, Business Assurance

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Manufacturing Unit Located in UAE



Sales Units



Sales & Manufacturing Units



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## Hira Industries LLC

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