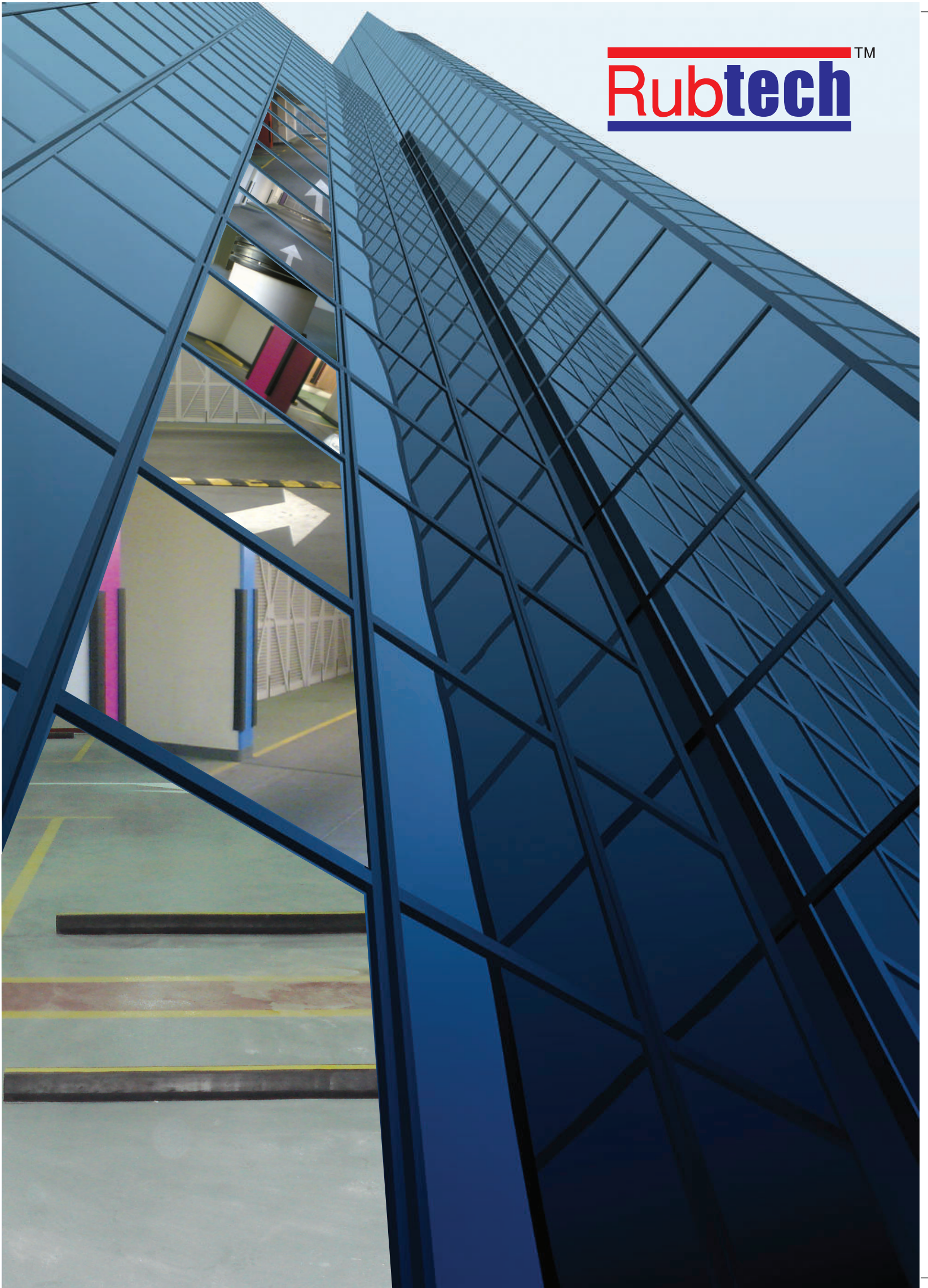


RubtechTM

Manufacturers of :
**MOULDED & EXTRUDED
RUBBER PRODUCTS**
MADE IN INDIA

RubtechTM



INTRODUCTION

Hira caters to the market demands for Extruded and Moulded rubber products under the brand name of Rubtech™. Rubtech™ brand of rubber products are made as per customer specifications for constructions and marine industries. At **Hira** 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 service 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™ 'D' Fenders
Rubtech™ Neoprene Pads
Rubtech™ Moulded & Extruded Rubber Products
Rubtech™ EPDM Rubber Profiles

Design and Development: The Rubtech™ Rubber Division of Hira 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 Middle East & Asian 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 on 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 +974 4467 6046. We will be more than happy to assist you in the best possible manner.



FACILITIES

Pre-Production Capabilities and Compound Development:

Our production unit houses a full fledged modern laboratory with state-of-the-art latest equipment and gadgets that enable our design and engineering team to:

- Create a product from general specifications.
- Formulate a custom compound to fit specific applications.
- Conduct extensive product testing to meet set standards.
- Reproduce rubber compounds conforming to client requirements.

Design and Engineering:

Our designing and engineering team specializes in:

- Developing new products or modifying current designs
- Product Development, Testing and Prototypes
- Designing Tool, Die and Mould.
- Computer Aided Designing (CAD)

Thanks to our CAD and Electronic file sharing facilities, we can successfully reduce the product development time with increased accuracy. Our understanding of rubber moulding enables us to create designs that are economical and easier to assemble.

Compounding and Mixing:

The Computer-controlled 'Mixing Facility' facilitates us to have total control over the raw material quality and accurate mixing of compounds.

Compounds are methodically tested to ASTM standards to check the cure state, tensile strength, elongation and every other possible characteristic to match exact specifications.



IMPACT PROTECTION SYSTEMS

Applications:

The typical applications of RUBTECH TM range of rubber products are:

- Car Parking
- Loading Bays
- Warehouses
- Industrial Units
- Cold Stores
- Marine Industries

Material Components:

Extruded rubber profiles made from durable rubber, which is resilient, impact resistant and non-marking on contact.

Salient Features:

- Impact resistant
- Reduces damage to building components
- Reduces damage to vehicles
- Aesthetic finish with concealed fixings
- Easy to install, maintenance free
- Internal & external use
- Excellent resistance to weathering & UV

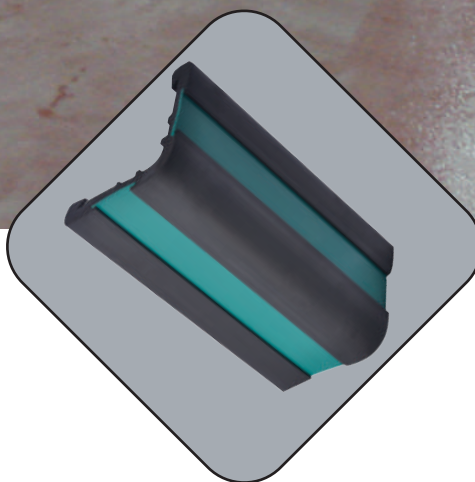
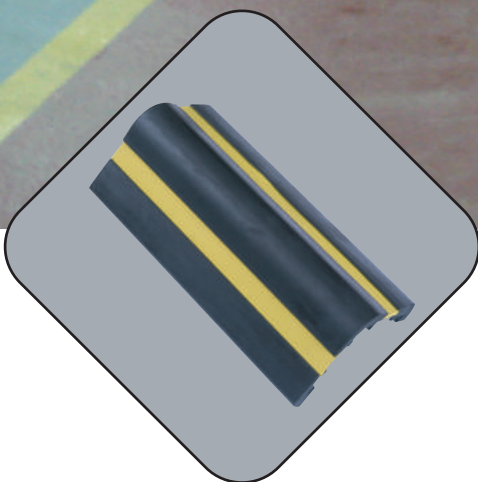
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RUBBER CORNER GUARDS



**IDEAL PROTECTION FOR CONCRETE STRUCTURES
IN BASEMENT AND OTHER PARKING AREAS**

Rubber Products from HIRA

www.hiraqatar.com

RUBBER CORNER GUARDS

RUBBER CORNER GUARDS : FOR IDEAL PROTECTION OF CONCRETE STRUCTURES IN BASEMENT AND OTHER PARKING AREAS

DESCRIPTION:

The Corner Guards are designed to protect the edges of columns in structures.

MATERIALS:

They are manufactured using high impact resistant SBR Rubber. They are also available in NEOPRENE and EPDM on request. Standard color is black. Designs are available with yellow and green strip. Rubber Corner Guards are weather resistant, abrasion resistant, crack resistant and do not stain the vehicle.

SIZES:

Rubber Corner Guards are available with or without galvanized iron insert clips in various sizes.

WING SIZES:

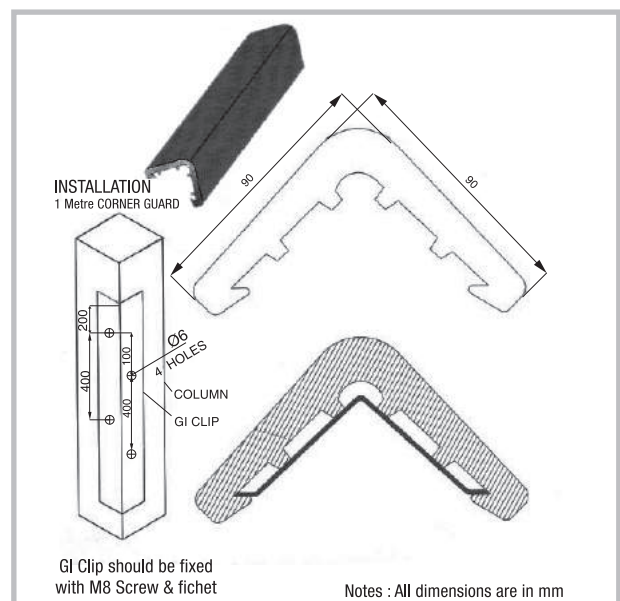
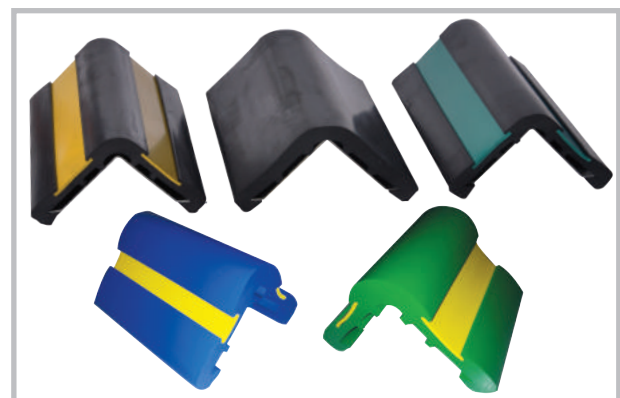
65mm x 65mm
75mm x 75mm
90mm x 90mm
100mm x 100mm
120mm x 120mm

STANDARD LENGTHS:

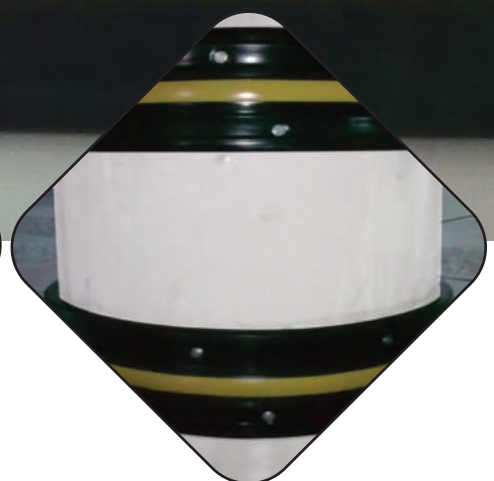
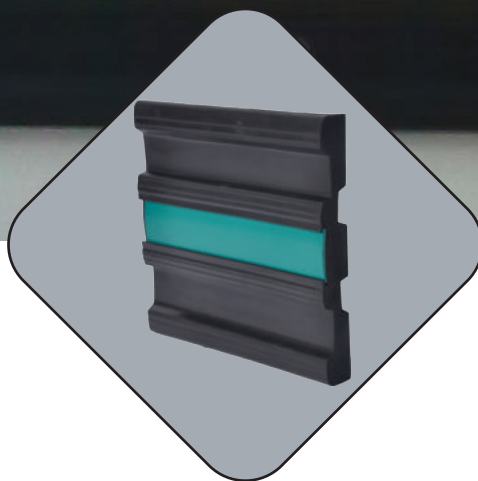
The standard lengths of the Corner Guard are 1 meter and 1.2 meters. Other sizes are available on request.

INSTALLATION:

The Corner Guards are mounted on GI clip inserts and appropriately bolted into columns by screws. Alternatively they can be fixed to the column surface using appropriate adhesive.



RUBBER WALL GUARDS



AN IDEAL WAY TO AVOID STRUCTURAL DAMAGES

Rubber Products from HIRA

www.hiraqatar.com

RUBBER WALL GUARDS

RUBBER WALL GUARDS : AN IDEAL WAY TO AVOID STRUCTURAL DAMAGES

DESCRIPTION:

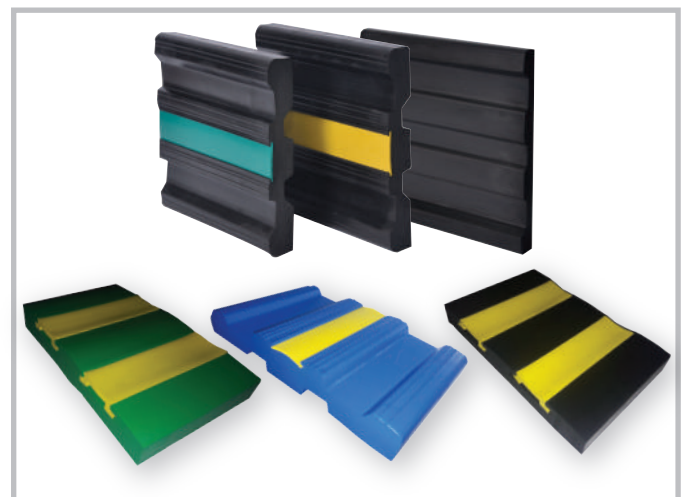
Wall Guards are designed to protect the structures from impact of trolleys and general warehouse traffic. They can also be used to protect corners.

MATERIALS:

They are manufactured using high impact resistant Natural Rubber. They are also available in NEOPRENE and EPDM on request. Standard color is black. Designs are available with yellow and green strip. Wall Guards have excellent weather resistance, impact resistance and are stain proof.

SIZES:

Thickness	Width
25mm	200mm
25mm	250mm
25mm	300mm
30mm	120mm
30mm	200mm
30mm	300mm
40mm	200mm
50mm	200mm

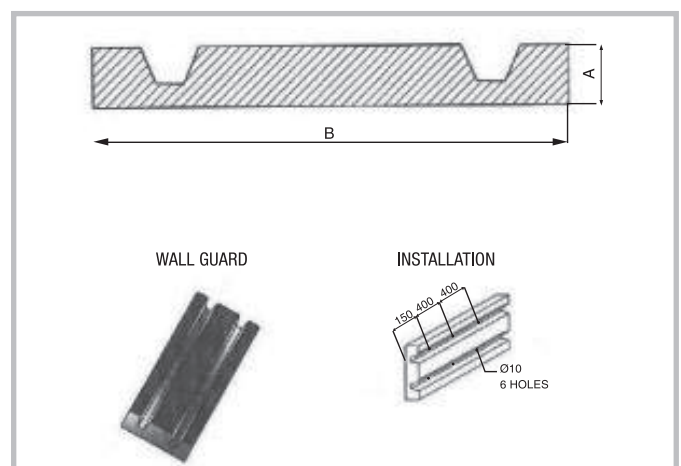


STANDARD LENGTH:

The standard length of the Wall Guard is 4 meters.

INSTALLATION:

The Wall Guard can be fixed horizontally to a wall or placed in short vertical strip on flat or curved surfaces using fix bolt.



RUBBER SPEED HUMPS



RELIABLE SPEED HUMPS FOR GREATER SAFETY

Rubber Products from HIRA

www.hiraqatar.com

RUBBER SPEED HUMPS

RELIABLE SPEED HUMPS : (SPEED BREAKERS) FOR GREATER SAFETY

DESCRIPTION:

The Speed Humps are designed to reduce the speed of the vehicle.

MATERIALS:

The Speed Humps are made of high impact resistance moulded rubber.
They have excellent weather resistance and abrasion resistance quality.

SIZES:

Speed Humps are available in the following sizes:

300mm x 60mm
350mm x 50mm
400mm x 50mm
400mm x 65mm
400mm x 68mm
460mm x 75mm

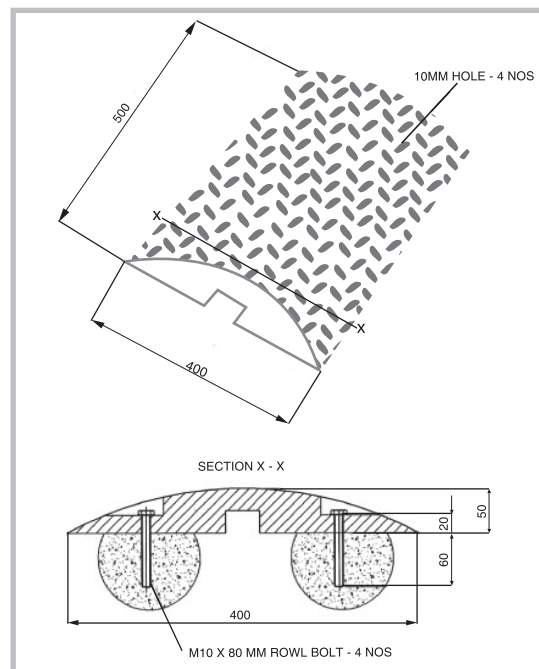
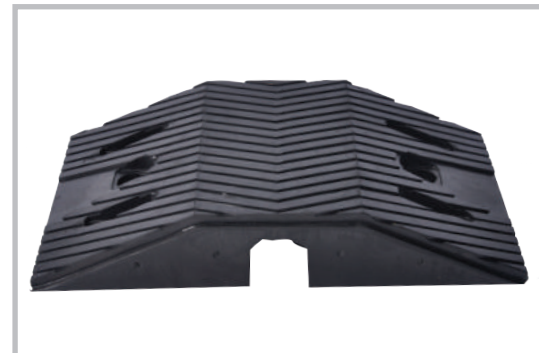
STANDARD LENGTHS:

The standard lengths of the Speed Humps are 500mm and 250mm.

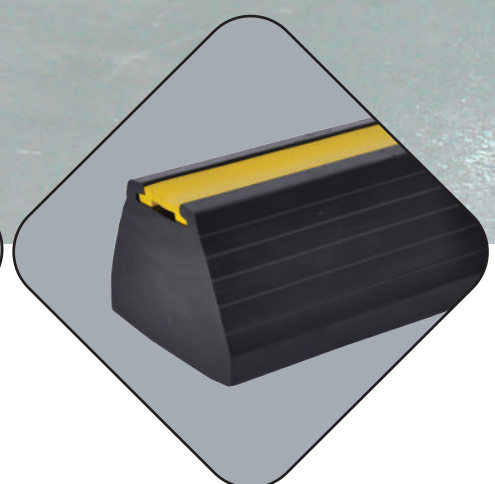
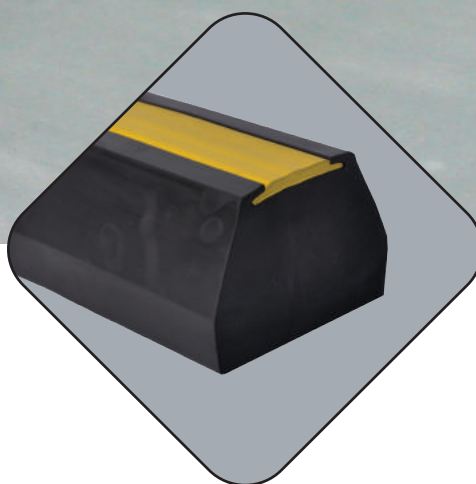
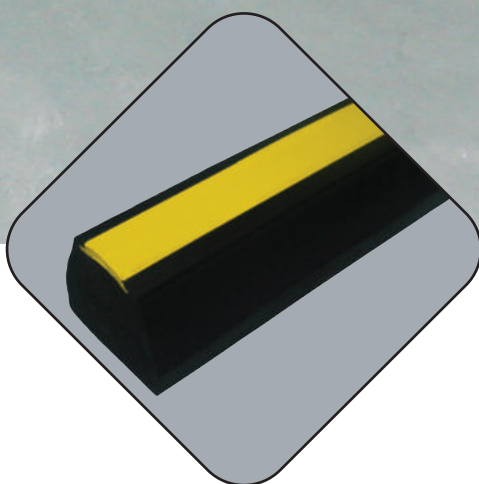
INSTALLATION:

Speed Humps can be fixed using fix bolts in alternate black and yellow humps with end caps.

Available in Black & Yellow color.



RUBBER STOP GUARDS



THE PERFECT WAY TO STOP AND AVOID DAMAGES

RUBBER STOP GUARDS

RUBBER STOP GUARDS : THE PERFECT WAY TO STOP AND AVOID DAMAGES

DESCRIPTION:

Wheel Stoppers are designed to provide good energy absorption from vehicle impact, thus protecting the anchor bolts from the impact. The anchor bolts are protected from direct stress unlike in concrete stoppers where all the force is transferred to the anchor bolts.

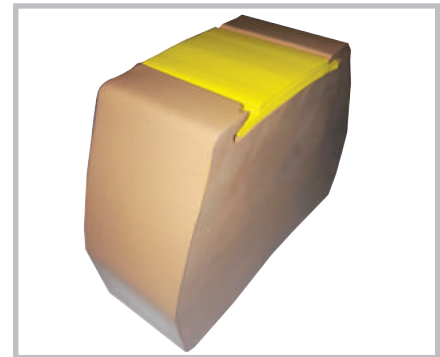
MATERIALS:

Wheel Stoppers are made of a high impact resistance extruded rubber and have excellent weather resistance, crack resistance and abrasion resistance quality. Also available in Neoprene and EPDM on request.

SIZES:

Wheel Stoppers are available in the following sizes:

Base Width	Height
130mm	100mm
137.5mm	100mm
150mm	100mm
150mm	150mm
200mm	100mm



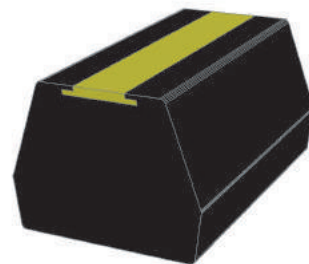
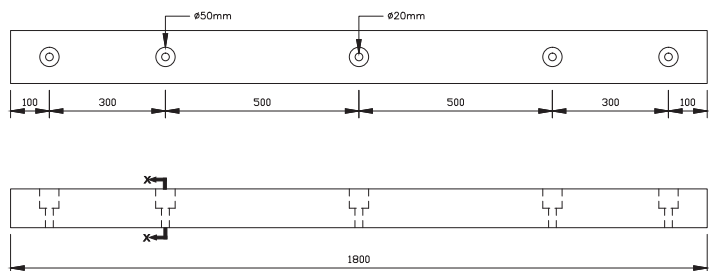
STANDARD LENGTH:

The standard length of the Wheel Stopper is 1800mm.

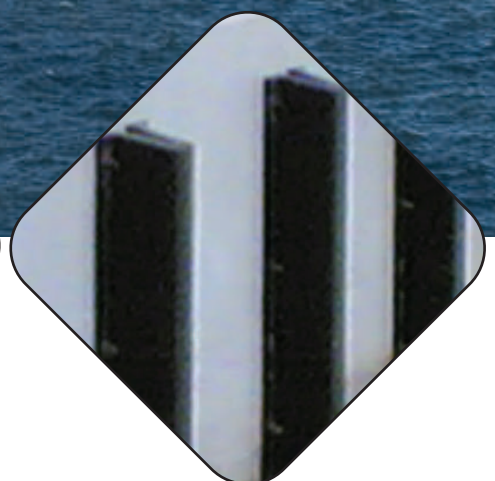
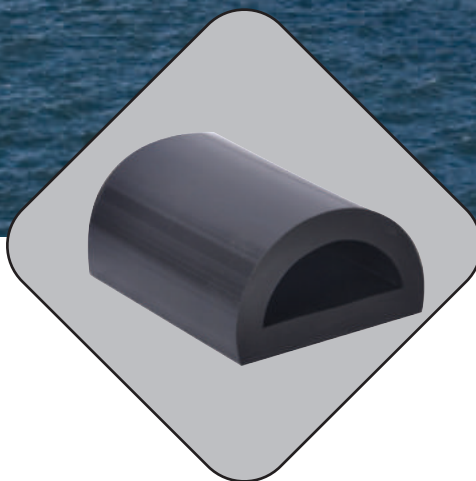
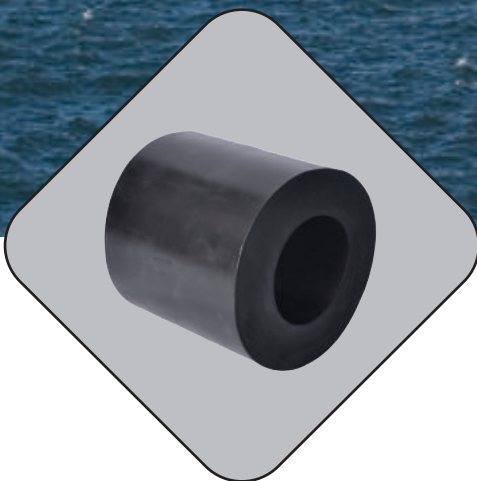
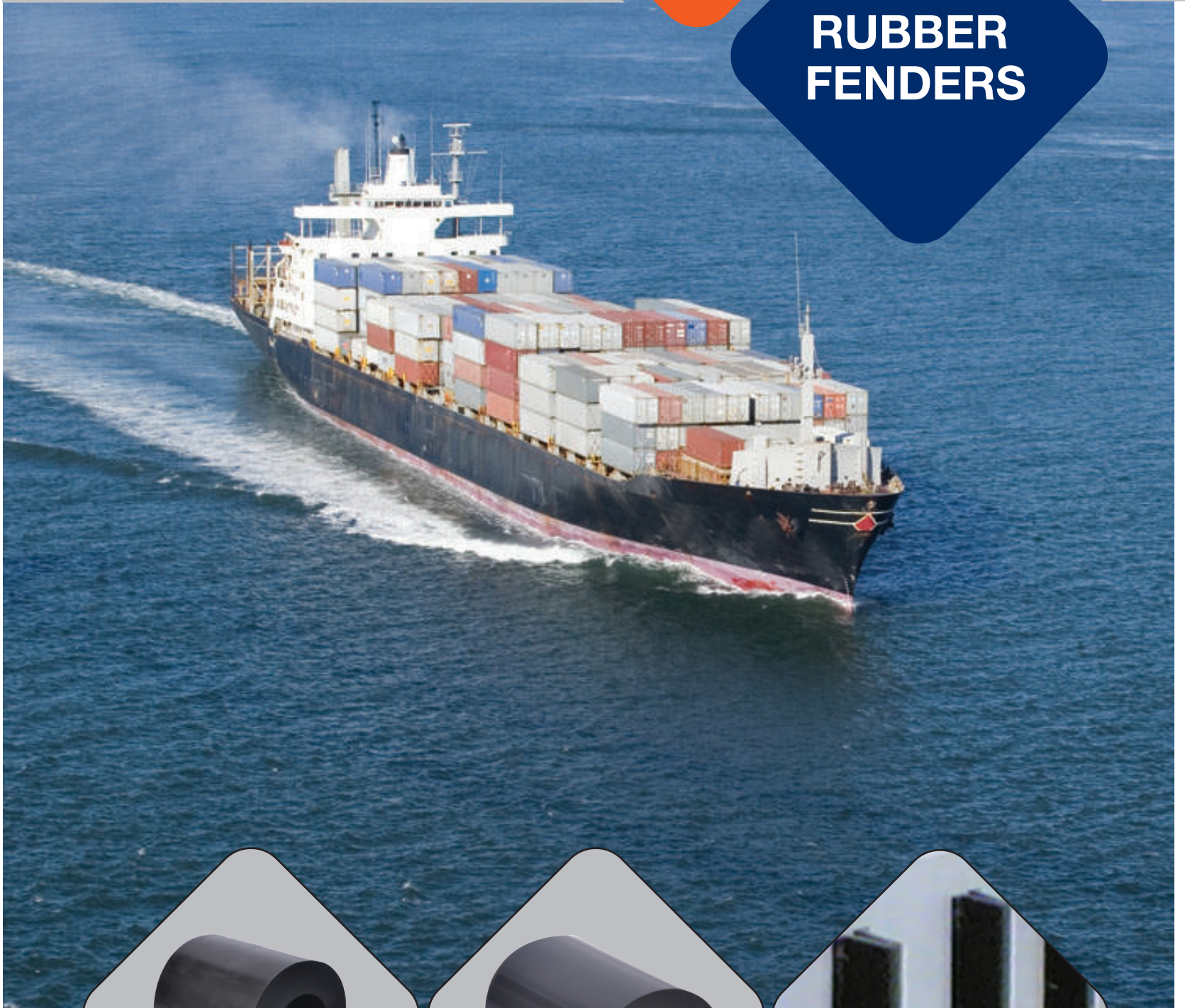
INSTALLATION:

Wheel Stopper can be fixed using wench anchors by putting counter sunk in the stoppers.

INSTALLATION DRAWINGS



RUBBER FENDERS



WHERE RELIABILITY IS ON PRIORITY

Rubber Products from HIRA

www.hiraqatar.com



RUBBER FENDERS

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. Standard color is black. Coloured fenders are available 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
COST FACTOR	1	1	1
HARDNESS RANGE	30-95°	40-95°	30-85°
COLORS	Full Range	Full Range	Limited Range
HEAT RESISTANCE (°C) Maximum Continuous Maximum Intermittent	75°C 105°C	85°C 115°C	130°C 150°C
LOW TEMPERATURE RESISTANCE	-60°C	-55°C	-50°C
RESISTANCES Oxidation Ozone & Weathering	Poor Poor	Poor Poor	Excellent Outstanding
OIL RESISTANCE *ASTM Oil No. 1 @ 20°C @ 100°C *ASTM Oil No. 3 @ 20°C @ 100°C	Poor Unsatisfactory Unsatisfactory Unsatisfactory	Poor Unsatisfactory Unsatisfactory Unsatisfactory	Fair Unsatisfactory Unsatisfactory Unsatisfactory
FUEL RESISTANCE *ASTM FUEL B @ 40°C	Unsatisfactory	Unsatisfactory	Unsatisfactory
CHEMICAL RESISTANCE Acids Bases	Fair Good	Fair Good	Good Good
PHYSICAL STRENGTH	Excellent	Good	Good
COMPRESSION SET	Good	Good	Good
TEAR & ABRASION RESISTANCE	Excellent	Good	Good
RESILIENCE	Excellent	Good	Very Good
PERMEABILITY TO GAS	Poor	Fairly Low	Fairly Low
FLAME RESISTANCE	Poor	Poor	Poor
WATER RESISTANCE	Very Good	Good	Excellent

RUBBER SELECTION DATA CHART

	NEOPRENE CR	NITRILE NBR	SILICONE Si	VITON* FPM
COST FACTOR	2	2	6	15
HARDNESS RANGE	30-90°	40-100°	40-80°	50-95°
COLORS	Full Range	Limited Range	Limited Range	Limited Range
HEAT RESISTANCE (°C) Maximum Continuous Maximum Intermittent	95°C 125°C	100°C 130°C	205°C 300°C	205°C 300°C
LOW TEMPERATURE RESISTANCE	-40°C	-20°C	-60°C (special grades - 80°C)	-20°C
RESISTANCES Oxidation Ozone & Weathering	Good Good	Fair Fair	Good Good	Outstanding Outstanding
OIL RESISTANCE *ASTM Oil No. 1 @ 20°C @ 100°C *ASTM Oil No. 3 @ 20°C @ 100°C	Good Good Good Fair	Excellent Good Excellent Good	Excellent Good Good Fair	Excellent 150°C Excellent Excellent 150°C Excellent
FUEL RESISTANCE *ASTM FUEL B @ 40°C	Poor	Fair	Unsuitable	Excellent
CHEMICAL RESISTANCE Acids Bases	Good Fair	Good Fair	Fair Fair	Excellent Good
PHYSICAL STRENGTH	Good	Good	Poor	Good
COMPRESSION SET	Fair to Good	Good	Fair	Good
TEAR & ABRASION RESISTANCE	Good	Good	Poor	Good
RESILIENCE	Very Good	Good	Good	Fair
PERMEABILITY TO GAS	Low	Low	Fairly Low	Very Low
FLAME RESISTANCE	Self-extinguishing	Poor	Good	Self-extinguishing
WATER RESISTANCE	Good	Good	Good	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 surface 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 & 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 ²	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 @70°C (158 deg F)	% Max	D395	26
8.	Ageing Resistance 70hrs @ 100oC (212oF)	°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 specification is for all products except Neoprene Pads and Rubtech Rubber Fenders

**AN IDEAL
CHOICE FOR
PRESTIGIOUS
PROJECTS**



Rubber Products from HIRA

www.hiraqatar.com

-18-

PROJECTS



Al Tawar Mall
Doha - Qatar



Mirqab Mall
Doha - Qatar



QP Headquarters
Qatar



SECHQ
Doha - Qatar



Doha Festival City
Qatar

PROJECTS



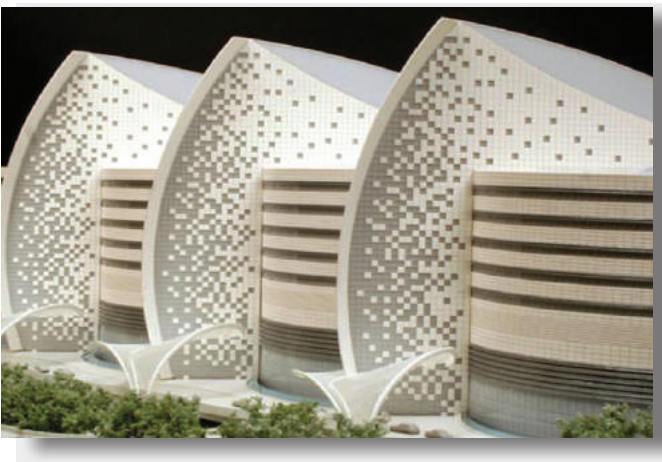
Al Baraha Tower
Qatar



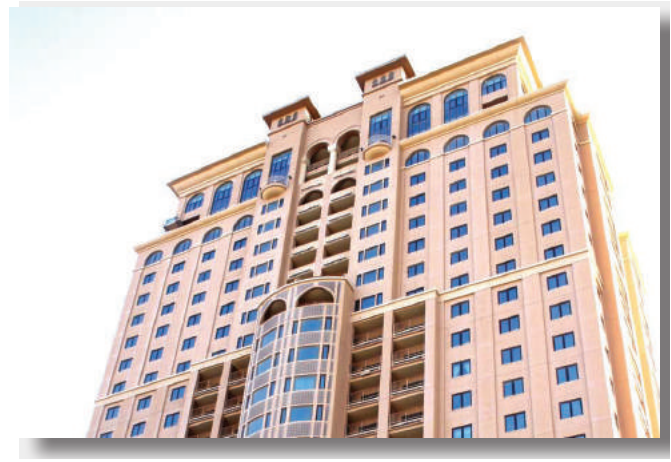
Al Jasra Twin Tower
Qatar



Mall Of Qatar
Qatar

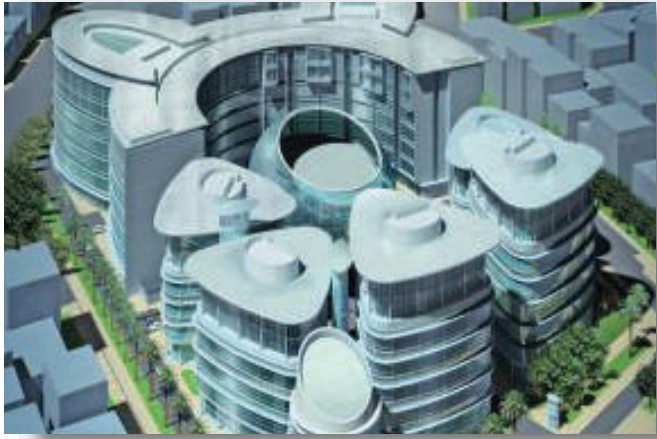


Sidra Hospital
Qatar



Viva Bahariya Building
Qatar

PROJECTS



Business Park Hotel
Najma-Qatar



Le Boulevard
Qatar



Doha High Rise Office Building
Qatar



Al Faisal Tower
Qatar



Barwa Commercial Avenue
Qatar



BSCIC

Certificate

QUALITY MANAGEMENT SYSTEM

HIRA TECHNOLOGIES PVT. LTD.

PLOT : 1-02, PART 2, KHED INDUSTRIAL PARK, DTA ZONE
KANHERSAR, TALUKA-KHED, PUNE – 410 505
MAHARASHTRA, INDIA

Hereby granted the Certificate Number: **BN17246/16957**

Subsequent to the **Assessment** of the organization it has been found to be operating a Quality Management System which complies with the requirements of

ISO 9001:2015

For the following scope:

Manufacturing of Molded and Extruded Rubber Product

Originally Registered: **19-Feb-2018**

Latest issue: **19-Feb-2018**

Expiry Date: **18-Feb-2021**

For
BSCIC CERTIFICATIONS PVT.LTD.

Sanjay Seth
Managing Director

Validity of this Certificate is subject to Annual Surveillance Audits to be done Successfully on or before 19-Feb-2019 and 19-Feb-2020 resp.

(In case if Surveillance Audit is not allowed to be conducted; this Certificate shall be Suspended/Withdrawn).

Please Re-validate this certificate's status at www.bscic-icc.com at REGISTRATION STATUS.
This Certificate of Registration is granted subject to relevant provisions of the BSCIC Certifications PVT. LTD. Contract Terms & Scheme for Registration Form B018 (Latest Version). Please see B018 at our website www.bscic-icc.com
The certificate of Registration remains the property of BSCIC Certifications Pvt. Ltd. and shall be returned immediately upon request
BSCIC Headquarters: IIInd Floor, SCO 150 Sector - 21 C, Faridabad 121001 Haryana, India.

Page 2 of 2







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Pune - 410 505



Sales Offices



**Sales & Manufacturing
Offices**

