

RubtechTM

www.rubtech.ae

RESILIENT
RUBBER
PRODUCTS



Hira
INDUSTRIES

Manufacturers of Moulded &
Extruded Rubber Products



RubtechTM

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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IMPACT PROTECTION SYSTEMS

Applications:

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

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

Material Components:

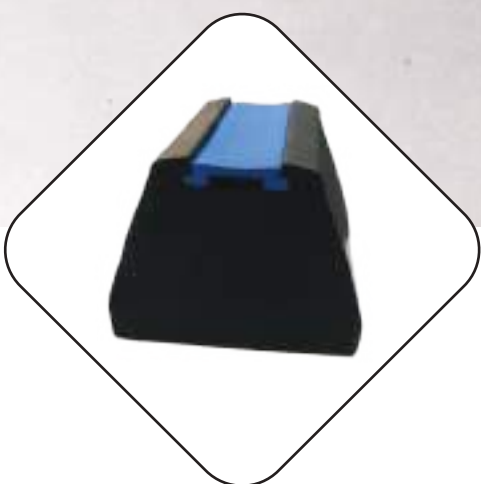
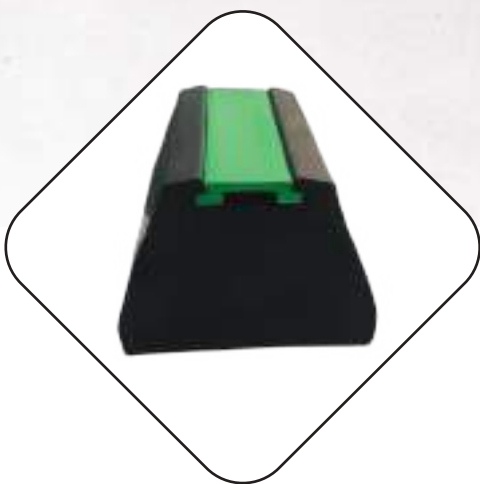
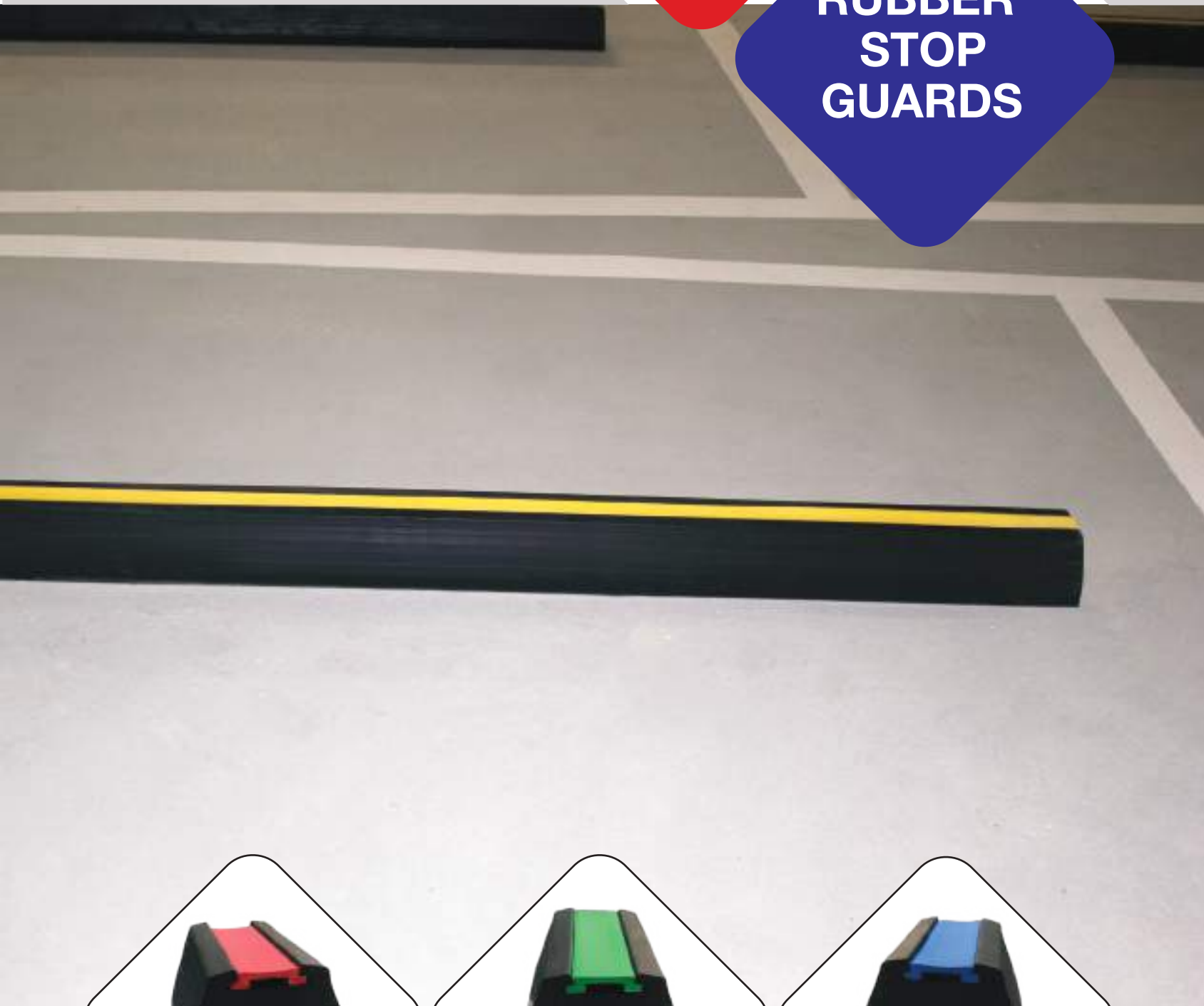
Extruded rubber profiles made from durable rubber, which are resilient, impact resistant and non-marking on contact.

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



**RUBBER
STOP
GUARDS**



THE PERFECT WAY TO STOP AND AVOID DAMAGES

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 high impact resistance extruded rubber and have excellent weather resistance, crack resistance and abrasion resistance quality. They are 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

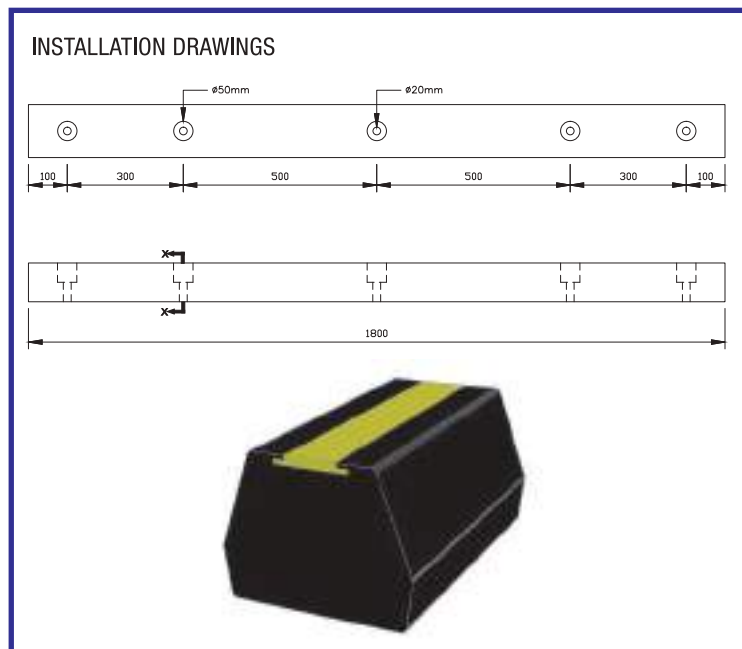


STANDARD LENGTH:

The standard length of the Wheel Stopper is 1800mm.

INSTALLATION:

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



RUBBER SELECTION DATA CHART

	NATURAL RUBBER	SBR	EPDM	NEOPRENE CR
COST FACTOR	1	1	1	2
HARDNESS RANGE	30-95°	40-95°	30-85°	30-90°
COLORS	Black	Black	Full Range	Limited Range
HEAT RESISTANCE (°C) Maximum Continuous Maximum Intermittent	75 °C 105 °C	85 °C 115 °C	130 °C 150 °C	95 °C 125 °C
LOW TEMPERATURE RESISTANCE	-60 °C	-55 °C	-50 °C	-40 °C
RESISTANCES Oxidation Ozone & Weathering	Poor Poor	Poor Poor	Excellent Outstanding	Good Good
OIL RESISTANCE *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
FUEL RESISTANCE *ASTM FUEL B at 40 °C	Unsatisfactory	Unsatisfactory	Unsatisfactory	Poor
CHEMICAL RESISTANCE Acids Bases	Poor-Fair Poor-Fair	Fair Good	Good Good	Good Fair
PHYSICAL STRENGTH	Fair-Good	Good	Good	Good
COMPRESSION SET	Poor	Good	Good	Fair to Good
TEAR & ABRASION RESISTANCE	Fair	Good	Good	Good
RESILIENCE	Fair	Good	Very Good	Very Good
PERMEABILITY TO GAS	Poor	Fairly Low	Fairly Low	Low
FLAME RESISTANCE	Poor	Poor	Poor	Self-extinguishing
WATER RESISTANCE	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 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 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

SALIENT FEATURES OF RUBTECH™ IPS

HIGH IMPACT RESISTANCE

RUBTECH™ IPS consists of vulcanized solid rubber products having high impact resistance which leads to superior durability and stable performance.

FIRE RESISTANCE

RUBTECH™ IPS are designed for superior surface burning characteristics which offers excellent fire resistance and it is rated Class 0 as per ASTM E84.

UV AND WEATHER RESISTANCE

RUBTECH™ IPS have high resistance over UV radiation and weather enables the products to withstand under extreme climatic conditions and sunlight.

ABRASION RESISTANCE

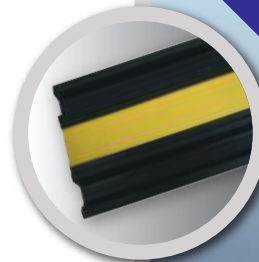
RUBTECH™ IPS offers excellent abrasion resistance resulting in excellent performance of the products under high abrasive circumstances due to vehicle movement.

ECO FRIENDLY

RUBTECH™ IPS have low ODP (Ozone Depletion Potential) and GWP (Global Warming Potential). This makes the products environment friendly.

EASY INSTALLATION

RUBTECH™ IPS are easy to install due to their dimensional stability and simple installation procedure.



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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Initial Certification Date:

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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



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President, Business Assurance

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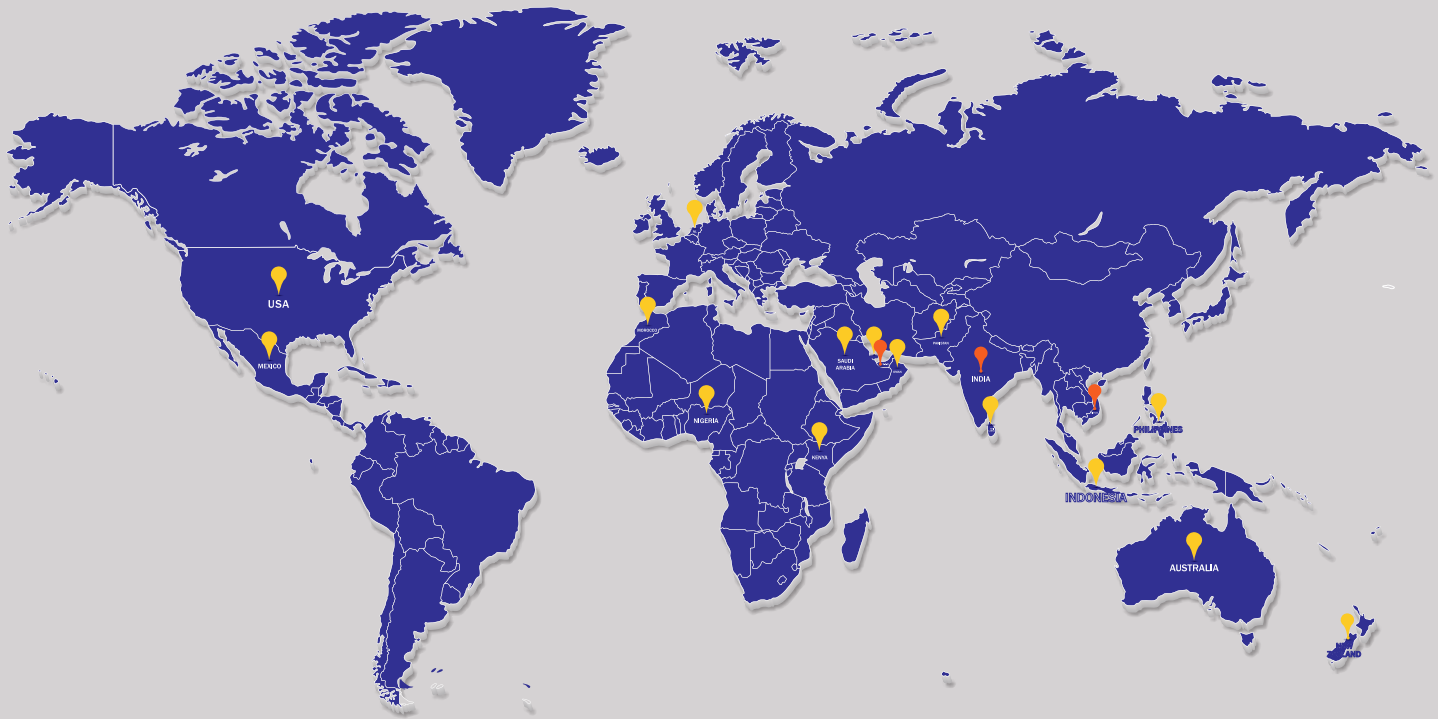


SITE APPLICATIONS





Manufacturing Unit Located in UAE



Sales Units



Sales & Manufacturing Units



Hira Industries LLC

Head Office:

PO Box. 50673, DIP 2, Dubai, United Arab Emirates

Tel: +971 4 884 8414, Fax: +971 4 884 8434

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Factory:

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Tel: +971 7 258 9006, Fax: +971 7 258 9008