



HORMUZ POLAD RASA

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HOT-ROLLED STEEL & ALLOY FLAT BARS

PRODUCT CATALOG

STEEL FLAT BARS

For springs, trailer chassis, construction and industrial components.

SPRING

STRUCTURAL

ENGINEERING

ENGLISH EDITION

2026

OUR COMPANY

Focused on flat steel.

HORMUZ POLAD RASA manufactures hot-rolled steel and alloy flat bars for spring makers, vehicle component manufacturers and industrial fabricators.



54,000

tonnes / nominal annual capacity

2

light and heavy rolling lines

MANUFACTURING IN IRAN

Production is based in Shams Abad Industrial Town, Tehran. The product portfolio covers spring, structural and engineering steel grades, supplied to agreed customer requirements.

SPRING STEEL

STRUCTURAL STEEL

ALLOY STEEL

PRODUCT GEOMETRY

Profiles & dimensions

Straight hot-rolled flat bars with section profiles selected for the required application.

SECTION	PROCESS	PROFILE
Flat	Hot rolling	
Profile A	Hot rolling	
Profile B	Hot rolling	
Profile C	Hot rolling	

DIMENSIONS TO MATCH YOUR ORDER

Specify width x thickness x length in millimetres. Section drawings show profile types schematically; final dimensions and edge geometry are agreed at enquiry stage.

Size combinations, grade availability, tolerances and cut lengths are subject to technical and production confirmation.

STANDARDS EN 10092 / EN 10089

Spring steel flat bars are manufactured in accordance with EN 10092 (dimensions and tolerances on shape) and EN 10089 (technical delivery conditions for hot-rolled steels for quenched and tempered springs).

SPRING & SUSPENSION APPLICATIONS

Spring steel flat bars

55Cr3

51CrV4

Alloy flat bars for leaf spring and suspension component manufacturing.



SUSPENSION COMPONENTS

MULTI-LEAF SPRINGS

PRODUCT	Hot-rolled straight steel flat bars
GRADES	55Cr3 / 51CrV4
SECTION	Profile and dimensions to agreed specification
ORDER DETAILS	Grade, size, quantity and delivery condition

Finished springs and suspension parts illustrate end-use applications. The catalogued product is steel flat bar.

TRAILER & TRUCK APPLICATIONS

Steel for chassis fabrication

ST37 / ST52 / S355J0

Structural flat bars for customer-designed chassis components, reinforcements and fabricated assemblies.

**SEMI-TRAILER APPLICATION****CHASSIS COMPONENTS****TIPPER TRUCKS & TRAILERS**

Specify the steel grade, dimensions, tolerances and required technical documentation for each component.

Vehicle images illustrate applications; finished trailers are not offered in this flat bar catalogue.

ENGINEERING & INDUSTRIAL APPLICATIONS

Other alloy steel grades

CK45

Engineering steel flat bars for machined parts and industrial components made to customer requirements.



GRADE	CK45
PRODUCT FORM	Straight hot-rolled flat bar
DIMENSIONS	Width, thickness and length to agreement
TECHNICAL ENQUIRY	Specify the intended component and processing needs

Material selection and any subsequent machining or heat treatment must follow the requirements of the finished component.

PRODUCTION & ORDER CONTROL

From billet to flat bar



BILLET REHEATING / HOT-ROLLING ROUTE

01 Material specification

Grade and order requirements define the production brief.

02 Reheating & rolling

Billets are reheated and rolled into the required flat section.

03 Product checks

Dimensions and product condition are checked against the order.

04 Bundling & dispatch

Packing and delivery requirements are agreed before shipment.

QUALITY & MANAGEMENT SYSTEMS

Management certifications

Our management system credentials



ISO 9001:2015
4800337

Quality management



ISO 14001:2026
4800338

Environmental management



ISO 45001:2018
4800339

Occupational health & safety



IMS
4800340

Integrated management system



CONTACTS

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OMAN / OFFICE



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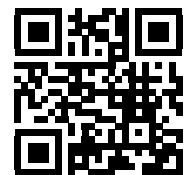
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SEND YOUR ENQUIRY

Steel grade / Section profile / Width x thickness x length / Quantity /
Delivery destination

Images illustrate products, production and end-use applications. Final supply details follow the agreed order.



VISIT WEBSITE

HORMUZ POLAD RASA