

## **Crane rails**

Rails for overhead gantry and floor mounted cranes.



# TATA STEEL

Tata Steel is one of the world’s largest steel producers. We serve many different and demanding markets worldwide, including lifting and excavating, aerospace, automotive, construction, energy and power and packaging. Our primary steelmaking operations in the UK and the Netherlands are supported by a global sales and distribution network.

Innovation and continuous improvement are at the heart of our performance culture. We aim to create value by offering a sustainable and value-added steel product range supported by unrivalled customer service. By working in partnership with you, we find the best solutions to meet your needs and help your business to perform.

Our European operations are a subsidiary of Tata Steel Group, one of the world’s top ten steel producers. With a combined presence in nearly 50 countries, the Tata Steel Group, including the Europe operations, Tata Steel Thailand and NatSteel Asia, has approximately 80,000 employees across five continents and a aggregate crude steel production capacity of over 28 million tonnes.

# CRANE RAILS

Tata Steel’s crane rail products have been developed to meet the demanding needs of crane users in ports, warehouses and shipyards.

Whether for overhead gantry and floor mounted-cranes, we understand that consistency of product is critical. That’s why we have dedicated rail inspection facilities where rails are inspected for straightness and surface quality. This guarantees that you get the right product that you need, every time.

Our regular rolling programme of each size, coupled with our dedicated crane rail stockholding facilities in the UK, means that we can offer our customers just-in-time delivery from our range.

We are investing in our steelmaking and special profile rolling facilities to improve our quality and capability. We are building long

term partnerships with our customers to develop new shapes and specifications to add to our existing range. **Please contact us with your requirements.**

Tata Steel supplies crane rail products to customers throughout the world through our dedicated network of international sales offices. We are a supplier you can trust.

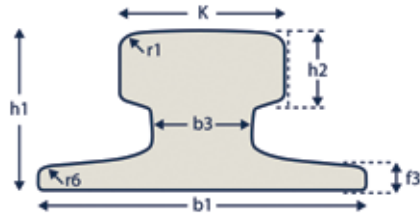
The right product from the right supplier, ready when you need it.

### Our range of crane rails

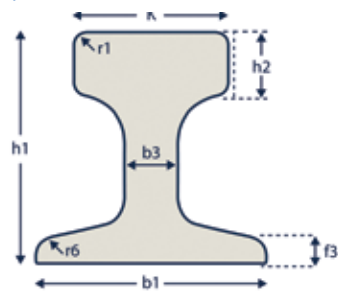
We offer a range of crane rails, supplied to DIN 536 part 1, popularly referred to as the “A” range. We are also developing a range of special crane rails. Currently, we offer six different rails shown in the table below.

Dimensions									
Rail	Kg/mtr	K	B3	B1	H1	H2	F3	R1	R6
A 65	43.1	65	38	175	75	30	10	6	5
A 75	56.2	75	45	200	85	35	11	8	6
A 100	74.3	100	60	200	95	40	12	10	6
A 120	100.0	120	72	220	105	47.5	14	10	6
A 150	150.3	150	80	220	150	50	14	10	6
PRI85R / MRS87A	86.8	101.6	34.9	152.4	152.4	50.8	31.75	8	12.7

A’ Range crane rails



Special crane rails



### Lengths

Rails are normally supplied up to 12 metre cold sawn lengths, with a cutting tolerance of + 100 / - 0 mm. For other longer lengths, please enquire.

### Straightness

Maximum - 1.5mm per metre

### Steel specifications

Our extensive steelmaking expertise provides the capability to modify steel specification. This can increase the crane rail’s load-bearing capability and extend its life span through improved wear performance. For example, we have developed steels with a higher vanadium content to provide these benefits. Rails are available as per DIN 536 part 1. These steel grades meet the requirements for minimum 690 N/mm and 880 N/mm tensile strength.

### Bundling, marking and labeling

Standard bundling is three bars per bundle as illustrated below, with signode strapping, one label per bundle. The A 150 rail is supplied in single lengths.

