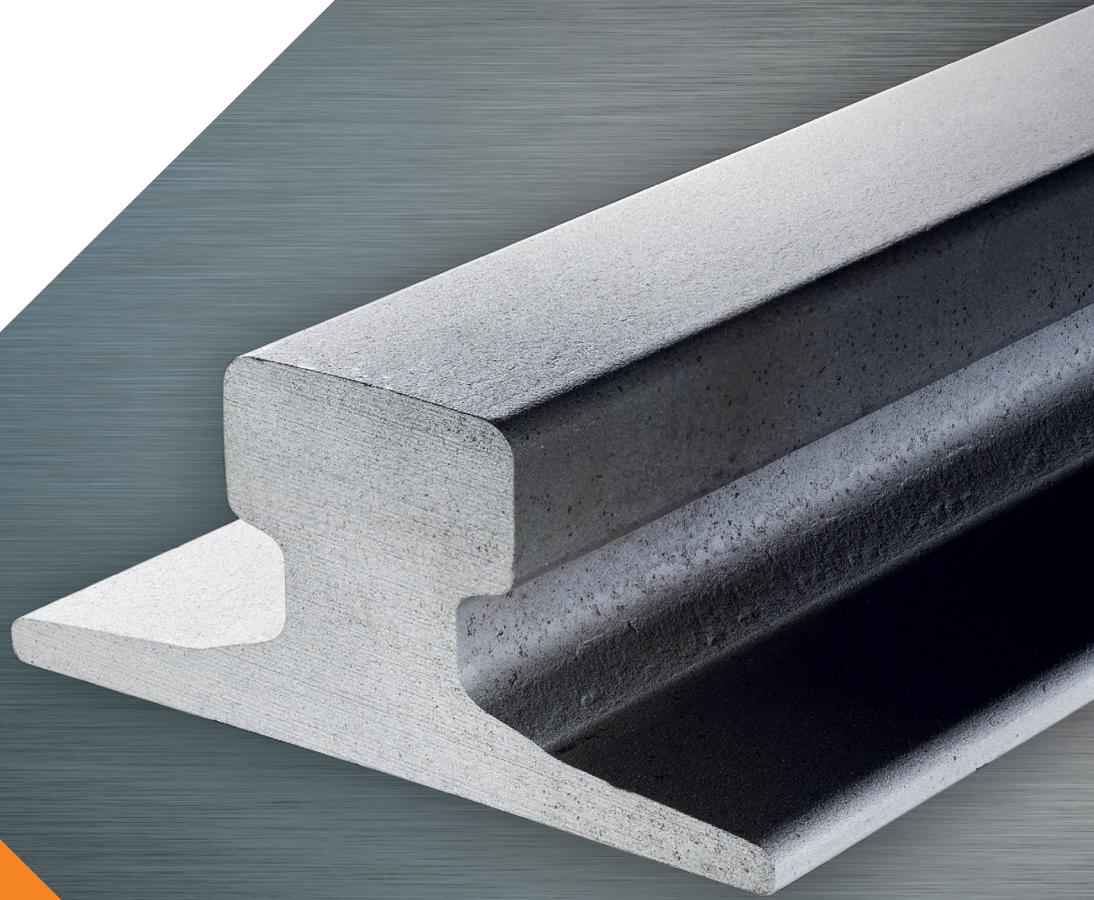




**BRITISH
STEEL**



Crane Rail

For use in overhead gantry and
floor-mounted crane applications

BUILDING STRONGER FUTURES

Introducing British Steel

British Steel is one of the leading steel manufacturers in Europe, producing around 3 million tonnes of quality steel products every year.

Our Special Profiles mill in the north east of England produces unique steel solutions for unique applications across the world.

What makes us different is our approach. Working closely with our customers from design to delivery, we offer expert guidance and the optimal solutions to meet requirements.

We have a strong track record of supplying major projects worldwide, working alongside leading crane rail installers.



Our Special Profiles team offers you quality, service and support from design to delivery

We offer a wide range of high-quality crane rail profiles supported by a highly responsive team, ready to supply our customers with the product they need, when they need it.

Bespoke design solutions

Working closely with customers, our Roll Design team is continually developing new and unique products to respond to market and customer requirements.

Product reliability and consistency

Control of our own basic oxygen steelmaking process means ultra clean steel. Continuous quality improvement and investment in our processes ensure a premium product with superior surface and dimensional tolerances.

Superior availability

Our crane rails are available both from regular rollings and on even shorter lead-times from stock to facilitate your supply chain.

Wide-ranging choice

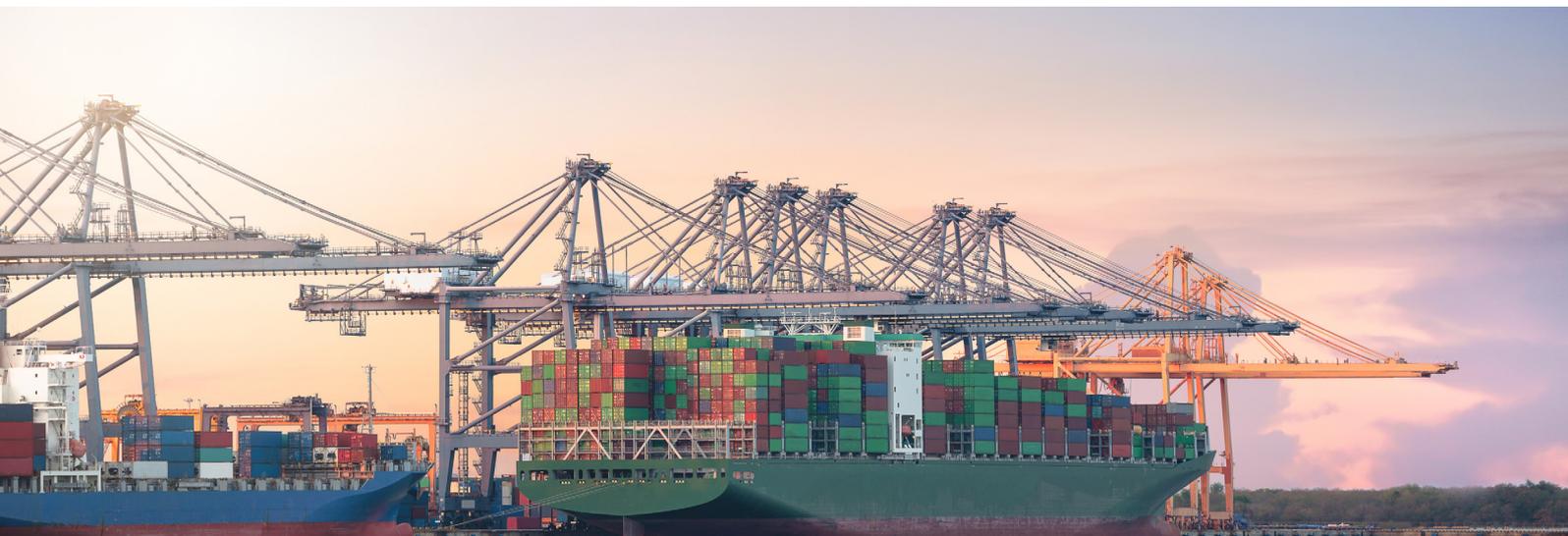
As well as a full range of European crane rails, we can also produce American and special crane rails with inspection certificates issued in full accordance with EN10204 type 3.1.

Dedicated service

Our dedicated customer service team will provide all the assistance and support you need. We offer lengths up to 16m direct from the mill, non-standard lengths on request and additional processing (including cutting to length/mitre cutting) as required.

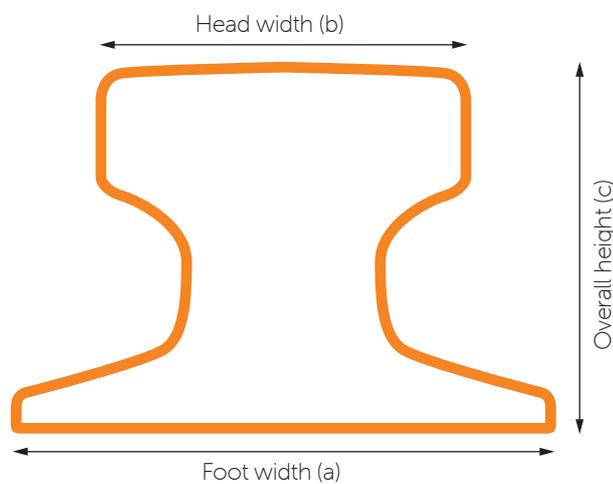
Expert support

Expert technical support is available at all stages of the sales process to offer advice and guidance.



Our **crane rail** is used in overhead gantry and floor-mounted cranes in ports, as well as warehouses and shipyards **around the world!**

Crane rail cross section



Product range

The following crane rail profiles are available and can be supplied from stock or rolled to order.

Section	Standard	Mass per metre (kg/m)	Area of cross section (cm ²)	Foot width (a) mm	Head width (b) mm	Overall height (c) mm
A65	DIN 536-1	43.1	54.9	175	65	75
A75	DIN 536-1	56.2	71.6	200	75	85
A100	DIN 536-1	74.3	94.7	200	100	95
A120	DIN 536-1	100.33	127.4	220	120	105
A150	DIN 536-1	150.3	191.4	220	150	150
CR87*	British Steel spec	86.8	110.5	152.4	101.6	152.4
CR89	British Steel spec	89.8	114.4	178	102	114

*Also referred to as MRS87a

We also have scope to produce the American range rails including CR104, CR105, CR135, CR171 and CR175 and special rails MRS73, MRS86, MRS125, MRS192, MRS221, AS86, CR73, CR100, CRS140, JKL55, SP100 & SP120. Please contact us to discuss your requirements.

Grade capability by size

	DIN 536-1		BS	
	690	880	90V	110CrV
A65	Yes	Yes	Yes	Yes
A75	Yes	Yes	Yes	Yes
A100	Yes	Yes	Yes	Yes
A120	Yes	Yes	Yes	Yes
A150	Yes	Yes	Yes	Yes
Crane rail 87	Yes	Yes	Yes	Yes
Crane rail 89	Yes	Yes	Yes	Yes

Ladle analysis

Grade	Standard		C	Si	Mn	P	S	V	Cr
690	DIN 536-1	Min	0.40	-	0.80	-	-	-	-
		Max	0.60	0.35	1.20	0.045	0.045	-	-
880	DIN 536-1	Min	0.60	-	0.80	-	-	-	-
		Max	0.80	0.50	1.30	0.045	0.045	-	-
90V	British Steel spec	Min	0.50	-	0.80	-	-	0.06	-
		Max	0.70	0.50	1.40	0.030	0.030	0.20	-
110CrV	British Steel spec	Min	0.65	0.15	0.90	-	-	0.06	0.40
		Max	0.85	0.50	1.30	0.04	0.03	0.20	0.60

Mechanical testing

Tensile properties are determined in accordance with EN10002-1.

Grade	Indicative yield (MPa)	Minimum UTS (MPa)	Indicative Hardness (HBN)
690	355	690	204
880	440	880	260
90V	540	880	260
110CrV	640	1080	320





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STEEL**

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