

ArcelorMittal Europe - Long Products  
Rails & Special Sections



ArcelorMittal

# Track Shoes ArcelorMittal Special Profiles





# Track Shoes

## ArcelorMittal Special Profiles

**ArcelorMittal Europe - Long Products. Rails & Special Sections** is a major player in the construction equipment industry by supplying a comprehensive range of single, double and triple grouser track shoe profiles to its customers located anywhere in the world.

Our rolling mill is located in Rodange (Luxembourg), where we produce environmentally friendly products and services for the national and international markets. We have been leading the evolution of steel in transportation, construction, mining, etc., to secure the best future for the industry and future generations to come.

ArcelorMittal Commercial Sections S.A has implemented and keeps update a quality assurance systems that fulfils the requirements of the international standard ISO 9001, Environmental Management System in accordance with the International Standard ISO 14001 and Occupational Health and Safety (OH&S) Management System according ISO 45001.

For many years, ArcelorMittal Europe - Long Products. Rails & Special Sections has played a prominent role in the construction equipment area by providing a wide range of single grouser, double grouser and triple grouser track shoes to its customers throughout the world. They are designed to perform well in heavy duty environments without compromising the product's service life.

This leaflet offers a quick overview of the standard “open roll” profiles available at our Rodange site, in Luxembourg. Our team will provide you detailed information on the current range of track shoes and to help you develop unique solutions to meet your requirements.



### Achieving carbon-neutral steelmaking

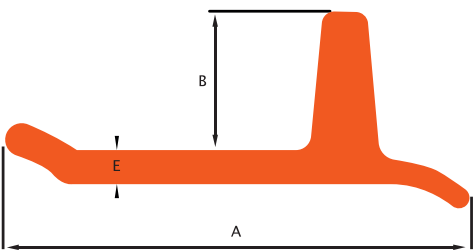
ArcelorMittal Europe has committed to reduce CO2 emissions by 35% by 2030, with a further ambition to be carbon neutral by 2050, in line with the EU's Green Deal and the Paris Agreement.

As the leading global steel company, we are engaged in the most important challenge faced by the industry – that of producing all the steel the world needs in an environmentally sustainable way.

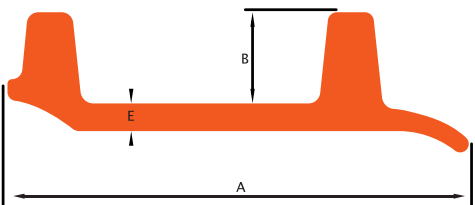
XCarb™ is the new brand name for ArcelorMittal's ongoing global programme of steelmaking innovation targeted at carbon-neutral steel by 2050. The initiatives that are part of XCarb™ aim to reduce the carbon footprint of ArcelorMittal and of our customers.

Our first XCarb™ products are now ready for market: XCarb™ green steel certificates, which are designed for our steel products made from iron ore, and XCarb™ recycled and renewably produced for steel products made via the electric arc furnace route using scrap steel and 100% renewable energy.

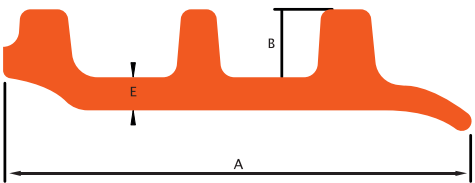




SECTION	WEIGHT (Kg/m)	DIMENSIONS (mm)		
		A	B	E
SINGLE GROUSERS				
TS 1-31	30,566	232,50	65,00	12,00
TS 1-32A	31,10	236,50	58,70	13,30
TS 1-32	32,20	236,50	58,70	13,80
TS 1-38	38,20	245,00	71,50	14,70
TS 1-47	47,35	247,60	71,40	16,60
TS 1-53	53,90	242,50	84,00	19,00
TS 1-56A	50,90	260,00	77,50	16,50
TS 1-56	55,88	260,00	77,50	19,00
TS 1-56L	56,33	264,00	77,50	19,00
TS 1-71	71,05	301,00	87,50	20,50
TS 1-73	73,51	305,00	93,00	20,50
TS 1-84	83,90	322,00	93,00	23,00



DOUBLE GROUSERS				
TS 2-49	48,52	250,00	49,50	15,00
TS 2-66	66,35	261,00	46,00	25,00
TS 2-73	73,70	306,00	50,00	20,50
TS 2-73B	80,78	306,00	50,00	23,50
TS 2-104	104,116	330,00	50,00	35,00



TRIPLE GROUSERS				
TS 3-27	27,80	219,00	30,00	8,50
TS 3-27B	30,30	219,00	30,00	10,00
TS 3-27C	32,08	219,00	30,00	11,00
TS 3-27D	27,90	219,00	26,00	10,00
TS 3-28AA	26,50	217,50	26,00	8,50
TS 3-28A	27,20	217,50	26,00	9,00
TS 3-28	28,87	217,50	26,00	10,00
MRO	29,50	203,00	25,30	12,70
TS 3-32	32,64	222,50	28,00	12,50
TS 3-38	38,927	240,00	26,50	13,00
TS 3-38B	42,55	240,00	26,50	15,00
TS 3-40	40,278	247,00	36,00	11,00
TS 3-40B	44,12	247,00	36,00	13,00
TS 3-45	45,483	254,50	37,00	13,00
TS 3-48	48,016	253,00	30,50	16,50
TS 3-51	51,10	254,50	37,00	16,00
TS 3-55	55,094	254,50	37,00	18,00
TS 3-60	60,468	254,50	37,00	20,50
MR6	69,80	266,00	30,00	30,00

# Steel grades

## Track Shoes grades

ArcelorMittal Europe - Long Products. Rails & Special Sections proposes mainly two steel grades for track shoes.

**\*TSG 100** is a softer grade used to fulfill the requirements of material like 24MnCrB4, 26MnB5 or equivalent.

**\*TSG 200** is harder and used for material like 28MCB6 or equivalent. Both grades contain boron, titanium and chromium to ensure a good hardenability. To ensure also a good internal metal soundness, the sulfur and phosphorus contents are always on 0,035%.

GRADE	Lim.	C	Mn	S	P	Si	Cr	Ti	B	Mo
TSG 100	min	0,22	1,00	0,035	0,035	0,15	0,25	0,02	0,0005	0,05
	max	0,28	1,30			0,35	0,45	0,05	0,0030	
TSG 200	min	0,24	1,00	0,035	0,035	0,15	0,45	0,02	0,0005	0,05
	max	0,30	1,30			0,35	0,65	0,05	0,0030	

## Jominy hardenability for Tracks Shoes

The Jominy curve limits (min-max) are given for the depths currently used on ArcelorMittal Europe-Long Products. Rails & Special Sections mill certificates.

Other depths and limits can be agreed with the customer and reported on the mill certificates on request.

Mill certificates are according to EN 10204 type 3.1.

NUANCE (mm)	HRc	J2	J13	J19	J25
NUANCE (1/16")	HRc	J1	J8	J12	J16
TSG 100	min	45	35	28	—
	max	52	48	—	35
TSG 200	min	45	38	33	—
	max	52	52	—	42

### **ArcelorMittal Commercial Sections**

Sales | Special Sections | 66, Rue de Luxembourg

L-4221 Esch sur Alzette | G.D. of Luxembourg

[rails.specialsections@arcelormittal.com](mailto:rails.specialsections@arcelormittal.com)



[rails.arcelormittal.com](https://rails.arcelormittal.com)