

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, high speed railways, construction, etc. , to secure the best future for the industry and future generations to come.

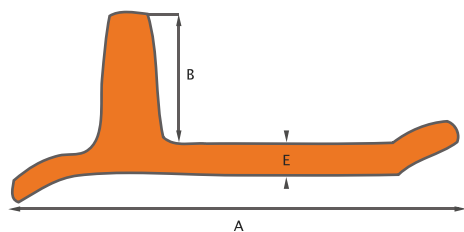
ArcelorMittal Europe Long Products – Rails and Special Sections has implemented and keeps update a quality assurance systems/ that fulfils the requirements of the international standard ISO 9001, and Environmental Management System in accordance with the International Standard ISO 14001.

For many years, Europe Long Products – Rails and 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.

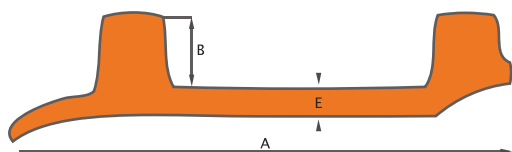
This leaflet offers a quick overview of the standard “open roll” profiles available at our Rodange site, in southern Luxembourg. Our team will be available to provide you with more detailed information on the current range of track shoes and to help you develop unique solutions to meet your particular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



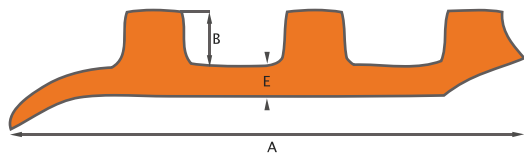




SECTION	WEIGHT Kg/m	DIMENSIONS mm		
		A	B	E
SINGLE GROUSERS				
TS 1-31	30,566	232,50	65,00	12,00
TS 1-32A	31,10	236,50	58,70	13,30
TS 1-32	32,20	236,50	58,70	13,80
TS 1-38	38,20	245,00	71,50	14,70
TS 1-53	53,90	242,50	84,00	19,00
TS 1-56A	50,90	260,00	77,50	16,50
TS 1-56	55,88	260,00	77,50	19,00
TS 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



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 3-28AA	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
MR0	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

Steelgrades

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 or 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 max	0,22 0,28	1,00 1,30	0,035	0,035	0,15 0,35	0,25 0,45	0,02 0,05	0,0005 0,0030	0,05
TSG 200	min max	0,24 0,30	1,00 1,30	0,035	0,035	0,15 0,35	0,45 0,65	0,02 0,05	0,0005 0,0030	0,05

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 EN10204 type 3.1.

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

SALES OF SPECIAL SECTIONS

ArcelorMittal Europe Long Products

Rails & Special Sections

66, rue de Luxembourg

L-4221 Esch-sur-Alzette

G.D of Luxembourg

rails.specialsections@arcelormittal.com

www.rails.arcelormittal.com



www.arcelormittal.com

transforming tomorrow