

Inspection certificate 3.1		No. (A03)	14353
DIN EN 10204		Page	1/2
(A02)		Date	19.05.2020
No. (A07)	732/22828/83668	28.02.2020	No. (A07)
Purchaser (A06)	Salzgitter Mannesmann International GmbH 40409 Düsseldorf	Customer (A06)	Salzgitter Mannesmann Int. Mexico SA.CV 03100 MEXIKO D.F. MEXIKO
Product (B01)	Heavy plate	Works order No. (A08)	484010945 88209450
Steel grade and terms of delivery (B02-B03)	A 709 Gr. 50 ASTM A 709 -17 ASTM A 6 -17a	Inspection (A05)	WS
Marking of the product (B06) Trademark/Steelgrade/Heat-No/Product-No			

Material data (B01-B99)

Item	Quantity (B08)	Product No. (B07)	Heat No. (B07)	Cond. of delivery (B04)	Thickness x Width x Length (B09-B11)	mm x mm x mm
21	1	417022/01/9	667923	AR	38,10 x 2438,4 x 12192	
21	1	417023/01/0	667923	AR	38,10 x 2438,4 x 12192	
21	1	417024/01/7	667923	AR	38,10 x 2438,4 x 12192	
21	1	417025/01/8	667923	AR	38,10 x 2438,4 x 12192	
21	1	417026/01/3	667923	AR	38,10 x 2438,4 x 12192	
21	1	417028/01/1	667923	AR	38,10 x 2438,4 x 12192	
21	1	417029/01/2	667923	AR	38,10 x 2438,4 x 12192	
21	1	417030/01/0	667924	AR	38,10 x 2438,4 x 12192	
21	1	417031/01/9	667924	AR	38,10 x 2438,4 x 12192	
21	1	417032/01/3	667924	AR	38,10 x 2438,4 x 12192	
21	1	417033/01/4	667924	AR	38,10 x 2438,4 x 12192	
Σ	11	Weight (B12)	97.801 kgs	AR: as rolled		

 Dimensional check and visual examination of the surface condition:
without objection

Ladle analysis (C70-C99)

Manufacturer standard

Heat No. (B07)	C %	Si %	Mn %	P %	S %	N %	Al %	Cu %	Cr %	Ni %
	≤0,23	≤0,40	0,80 - 1,35	≤0,040	≤0,050					
667923	0,17	0,35	1,54	0,013	0,001	0,004	0,039	0,02	0,04	0,03
667924	0,17	0,34	1,55	0,011	0,001	0,004	0,040	0,02	0,04	0,03
Heat No. (B07)	Mo %	V %	Ti %	Nb %	B %	Mn_abs %				
				0,005 - 0,05		≤1,60				
667923	0,01	0,00	0,004	0,018	0,0004	1,54				
667924	0,01	0,00	0,01	0,018	0,0004	1,55				

 Steel making: Basic oxygen process
(C70)

 We hereby certify that the delivered material complies with the terms of the order.
(Z01)

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No. (A07)	732/22828/83668	28.02.2020	No. (A07)
Purchaser	Salzgitter Mannesmann	Customer	Salzgitter Mannesmann Int. Mexico
(A06)	International GmbH	(A06)	SA.CV
	40409 Düsseldorf		03100 MEXIKO D.F.
			MEXIKO
Product	Heavy plate	Works order No.	484010945
(B01)		(A08)	88209450
Steel grade and terms of delivery	A 709 Gr. 50	Inspection	WS
(B02-B03)	ASTM A 709 -17	(A05)	
	ASTM A 6 -17a		

For each reduction of 0,01% below the specified maximum concentration for carbon, an increase of 0,06% above the specified maximum concentration for manganese is permissible, up to a limit that varies with grade.

Tensile test (C10-C29)

Specimen No. (C00)	Heat No. (B07)	Location (C01)	Direct. (C02)	Cond. (B05)	Type (C10)	Yield strength (C11) Rp0,2 N/mm2 ≥345	Tensile strength (C12) Rm N/mm2 ≥450	Elongation (C13) 8 in % ≥18		
417023	667923	F6G	Q	AR	P	380	550	30		
417024	667923	F6G	Q	AR	P	377	559	32		
417032	667924	F6G	Q	AR	P	380	552	30		
417033	667924	F6G	Q	AR	P	378	560	31		

1) F: Bottom
2) 6: 1/6 Width
3) G: Thickness of product
4) Q: transversal
5) AR: as rolled
6) P: prismatic

Our products are free of radioactive substances and do not exceed the clearing limit value of 100 Bq/kg, which guarantees the compliance with limit values given in the Radiation Protection Ordinance (StrlSchV) for the unrestricted clearance of solid material (StrlSchV Annex III, Section 5) for ferrous nuclides.

We hereby certify that the delivered material complies with the terms of the order.
(Z01)