

<b>Inspection certificate 3.1</b>		No. (A03)	15556
<b>DIN EN 10204</b>		Page	1/2
(A02)		Date	22.06.2020
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
24	1	417898/01/8	667923	AR	57,15 x 1829,0 x 6096	
24	1	417898/02/4	667923	AR	57,15 x 1829,0 x 6096	
24	1	417899/01/9	667923	AR	57,15 x 1829,0 x 6096	
24	1	417899/02/5	667923	AR	57,15 x 1829,0 x 6096	
24	1	417900/01/5	667923	AR	57,15 x 1829,0 x 6096	
24	1	417900/02/1	667923	AR	57,15 x 1829,0 x 6096	
Σ	6	Weight (B12)	30.012 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	0,15 - 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
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				

Steel making: Basic oxygen process (C70)

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.

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


 Salzgitter Mannesmann Grobblech GmbH  
Sandstraße 140  
D-45473 Mülheim an der Ruhr  
(A01)



 Sandstr. 140 • D-45473 Mülheim  
S. Casper (AM1)

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Tensile test (C10-C29)										
Specimen No. (C00)	Heat No. (B07)	Location (C01)	Direct. (C02)	Cond. (B05)	Type (C10)	Yield strength (C11)	Tensile strength (C12)	Elongation (C13)		
		1) 2) 3)	4)	5)	6)	$R_{p0,2}$ N/mm <sup>2</sup> ≥ 345	$R_m$ N/mm <sup>2</sup> ≥ 450	$\delta$ in % ≥ 18		
417898	667923	F6G	Q	AR	P	371	547	33		
417900	667923	F6G	Q	AR	P	367	547	32		

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.

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(Z01)



Salzgitter Mannesmann Grobblech GmbH  
Sandstraße 140  
D-45473 Mülheim an der Ruhr  
(A01)

AM Inspection Stamp  
(Z03)

SC

Inspection Representative  
(Z02)

S. Casper (AM1)