

Inspection certificate 3.1		No. (A03)	15559
DIN EN 10204		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
26	1	417889/01/5	667924	AR	63,50 x 1829,0 x 6096	
26	1	417890/01/3	667924	AR	63,50 x 1829,0 x 6096	
26	1	417892/01/6	667924	AR	63,50 x 1829,0 x 6096	
26	1	417894/01/4	667924	AR	63,50 x 1829,0 x 6096	
Σ	4	Weight (B12)	22.232 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					
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				
667924	0,01	0,00	0,01	0,018	0,0004	1,55				

 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)


 Inspection Stamp
(Z03)


 SALZGITTER
 MANNESMANN
 GROBBLECH
 Ein Unternehmen der Salzgitter Gruppe
 Salzgitter Mannesmann Grobblech GmbH
 Sandstr. 140 • D-45473 Mülheim
 (Z02)

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) Rp0,2 N/mm2 ≥ 345	Tensile strength (C12) Rm N/mm2 ≥ 450	Elongation (C13) 2 in % ≥ 21		
417888 *) 417890	667924 667924	F6V F6V	Q Q	AR AR	P P	365 345	558 555	49 55		

1) F: Bottom
 2) 6: 1/6 Width
 3) V: 1/4 Thickness
 *) The sample product is not part of the delivery

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)