

**Inspection certificate 3.1
DIN EN 10204**

(A02)

No. (A03)

14335

Page

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Date

19.05.2020

No. (A07) 732/22828/83668 28.02.2020

Purchaser (A06) Salzgitter Mannesmann International GmbH
40409 Düsseldorf

No. (A07)

Customer (A06) Salzgitter Mannesmann Int. Mexico SA.CV
03100 MEXIKO D.F.
MEXIKO

Product (B01) Heavy plate

Works order No. (A08) 484010945
88209450Steel grade and terms of delivery (B02-B03) A 36
ASTM A 36 -14
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
04	1	417211/01/0	667873	AR	25,40 x 1829,0 x 6096	
04	1	417211/02/6	667873	AR	25,40 x 1829,0 x 6096	
04	1	417211/03/2	667873	AR	25,40 x 1829,0 x 6096	
04	1	417211/04/8	667873	AR	25,40 x 1829,0 x 6096	
04	1	417212/01/4	667873	AR	25,40 x 1829,0 x 6096	
04	1	417212/02/0	667873	AR	25,40 x 1829,0 x 6096	
04	1	417212/03/6	667873	AR	25,40 x 1829,0 x 6096	
04	1	417212/04/2	667873	AR	25,40 x 1829,0 x 6096	
04	1	417222/01/7	667873	AR	25,40 x 1829,0 x 6096	
04	1	417222/02/3	667873	AR	25,40 x 1829,0 x 6096	
04	1	417222/03/9	667873	AR	25,40 x 1829,0 x 6096	
04	1	417222/04/5	667873	AR	25,40 x 1829,0 x 6096	
04	1	417223/01/8	667873	AR	25,40 x 1829,0 x 6096	
04	1	417223/02/4	667873	AR	25,40 x 1829,0 x 6096	
04	1	417223/03/0	667873	AR	25,40 x 1829,0 x 6096	
04	1	417223/04/6	667873	AR	25,40 x 1829,0 x 6096	
04	1	417224/01/5	667873	AR	25,40 x 1829,0 x 6096	
04	1	417224/02/1	667873	AR	25,40 x 1829,0 x 6096	
04	1	417224/03/7	667873	AR	25,40 x 1829,0 x 6096	
04	1	417224/04/3	667873	AR	25,40 x 1829,0 x 6096	
04	1	417225/01/6	667873	AR	25,40 x 1829,0 x 6096	
04	1	417225/02/2	667873	AR	25,40 x 1829,0 x 6096	
04	1	417225/03/8	667873	AR	25,40 x 1829,0 x 6096	
04	1	417225/04/4	667873	AR	25,40 x 1829,0 x 6096	
04	1	417226/01/1	667873	AR	25,40 x 1829,0 x 6096	
04	1	417226/02/7	667873	AR	25,40 x 1829,0 x 6096	
04	1	417226/03/3	667873	AR	25,40 x 1829,0 x 6096	
04	1	417226/04/9	667873	AR	25,40 x 1829,0 x 6096	
Σ	28	Weight (B12) 62.244	kgs	AR: as rolled		

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

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

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(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 36 ASTM A 36 -14 ASTM A 6 -17a	Inspection (A05)	WS

Ladle analysis (C70-C99)										
Manufacturer standard										
Heat No. (B07)	C %	Si %	Mn %	P %	S %	N %	Al %	Cu %	Cr %	Ni %
	≤0,25	≤0,40	0,80 - 1,20	≤0,030	≤0,030		≥0,020			
667873	0,15	0,33	0,93	0,011	0,002	0,005	0,037	0,03	0,08	0,05
Heat No. (B07)	Mo %	V %	Ti %	Nb %	B %	Mn_abs %				
					≤0,0008	≤1,35				
667873	0,08	0,00	0,004	0,001	0,0003	0,93				
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.										

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)	Rp0,2 N/mm2 ≥250	Rm N/mm2 400 - 550	8 in % ≥18		
417211 417212	667873 667873	F6G F6G	Q Q	AR AR	P P	299 315	478 481	37 34		
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)