

<b>Inspection certificate 3.1</b>		No. (A03)	<b>14356</b>
<b>DIN EN 10204</b>		Page	1/3
(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
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
01	1	415725/01/2	636619	AR	19,05 x 1829,0 x 6096	19,05	x	1829,0	x	6096
01	1	415725/02/8	636619	AR	19,05 x 1829,0 x 6096	19,05	x	1829,0	x	6096
01	1	415725/03/4	636619	AR	19,05 x 1829,0 x 6096	19,05	x	1829,0	x	6096
01	1	415725/04/0	636619	AR	19,05 x 1829,0 x 6096	19,05	x	1829,0	x	6096
01	1	415726/01/7	636619	AR	19,05 x 1829,0 x 6096	19,05	x	1829,0	x	6096
01	1	415726/02/3	636619	AR	19,05 x 1829,0 x 6096	19,05	x	1829,0	x	6096
01	1	415726/03/9	636619	AR	19,05 x 1829,0 x 6096	19,05	x	1829,0	x	6096
01	1	415726/04/5	636619	AR	19,05 x 1829,0 x 6096	19,05	x	1829,0	x	6096
01	1	415727/01/8	636619	AR	19,05 x 1829,0 x 6096	19,05	x	1829,0	x	6096
01	1	415727/02/4	636619	AR	19,05 x 1829,0 x 6096	19,05	x	1829,0	x	6096
01	1	415727/03/0	636619	AR	19,05 x 1829,0 x 6096	19,05	x	1829,0	x	6096
01	1	415727/04/6	636619	AR	19,05 x 1829,0 x 6096	19,05	x	1829,0	x	6096
01	1	415728/01/5	636619	AR	19,05 x 1829,0 x 6096	19,05	x	1829,0	x	6096
01	1	415728/02/1	636619	AR	19,05 x 1829,0 x 6096	19,05	x	1829,0	x	6096
01	1	415728/03/7	636619	AR	19,05 x 1829,0 x 6096	19,05	x	1829,0	x	6096
01	1	415728/04/3	636619	AR	19,05 x 1829,0 x 6096	19,05	x	1829,0	x	6096
01	1	415729/01/6	636619	AR	19,05 x 1829,0 x 6096	19,05	x	1829,0	x	6096
01	1	415729/02/2	636619	AR	19,05 x 1829,0 x 6096	19,05	x	1829,0	x	6096
01	1	415729/03/8	636619	AR	19,05 x 1829,0 x 6096	19,05	x	1829,0	x	6096
01	1	415729/04/4	636619	AR	19,05 x 1829,0 x 6096	19,05	x	1829,0	x	6096
01	1	415730/01/4	636619	AR	19,05 x 1829,0 x 6096	19,05	x	1829,0	x	6096
01	1	415730/02/0	636619	AR	19,05 x 1829,0 x 6096	19,05	x	1829,0	x	6096
01	1	415730/03/6	636619	AR	19,05 x 1829,0 x 6096	19,05	x	1829,0	x	6096
01	1	415730/04/2	636619	AR	19,05 x 1829,0 x 6096	19,05	x	1829,0	x	6096
01	1	415731/01/3	636619	AR	19,05 x 1829,0 x 6096	19,05	x	1829,0	x	6096
01	1	415731/02/9	636619	AR	19,05 x 1829,0 x 6096	19,05	x	1829,0	x	6096
01	1	415731/03/5	636619	AR	19,05 x 1829,0 x 6096	19,05	x	1829,0	x	6096
01	1	415731/04/1	636619	AR	19,05 x 1829,0 x 6096	19,05	x	1829,0	x	6096
01	1	415732/01/7	636619	AR	19,05 x 1829,0 x 6096	19,05	x	1829,0	x	6096
01	1	415732/02/3	636619	AR	19,05 x 1829,0 x 6096	19,05	x	1829,0	x	6096
01	1	415732/03/9	636619	AR	19,05 x 1829,0 x 6096	19,05	x	1829,0	x	6096
01	1	415732/04/5	636619	AR	19,05 x 1829,0 x 6096	19,05	x	1829,0	x	6096
01	1	963849/03/8	615584	AR	19,05 x 1829,0 x 6096	19,05	x	1829,0	x	6096
01	1	964655/04/2	646671	AR	19,05 x 1829,0 x 6096	19,05	x	1829,0	x	6096
01	1	964659/02/4	646843	AR	19,05 x 1829,0 x 6096	19,05	x	1829,0	x	6096
01	1	964659/04/6	646843	AR	19,05 x 1829,0 x 6096	19,05	x	1829,0	x	6096
<b>Σ</b>	<b>36</b>	Weight (B12)	<b>60.012</b>	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	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 36	Inspection	WS
(B02-B03)	ASTM A 36 -14	(A05)	
	ASTM A 6 -17a		

<b>Ladle analysis (C70-C99)</b>										
Manufacturer standard										
Heat No. (B07)	C %	Si %	Mn %	P %	S %	N %	Al %	Cu %	Cr %	Ni %
	≤0,25	≤0,40		≤0,030	≤0,030		≥0,020			
615584	0,13	0,19	0,93	0,012	0,002	0,004	0,036	0,04	0,08	0,06
636619	0,14	0,20	0,95	0,012	0,009	0,007	0,043	0,04	0,05	0,04
646671	0,13	0,18	0,94	0,014	0,001	0,005	0,032	0,03	0,07	0,04
646843	0,13	0,18	0,92	0,012	0,002	0,007	0,034	0,01	0,04	0,04
Heat No. (B07)	Mo %	V %	Ti %	Nb %	B %	Mn_abs %				
					≤0,0008	≤1,35				
615584	0,02	0,00	0,003	0,001	0,0002	0,93				
636619	0,01	0,00	0,003	0,001	0,0003	0,95				
646671	0,03	0,00	0,003	0,001	0,0002	0,94				
646843	0,02	0,00	0,003	0,001	0,0002	0,92				
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.										

<b>Tensile test (C10-C29)</b>										
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	8in % ≥18		
415726	636619	F6G	Q	AR	P	278	445	33		
415728	636619	F6G	Q	AR	P	278	447	34		
962807 *)	646671	F6G	Q	AR	P	291	452	36		
962808 *)	646671	F6G	Q	AR	P	299	453	31		
963845 *)	615584	F6G	Q	AR	P	295	452	32		
963848 *)	615584	F6G	Q	AR	P	293	453	36		
964657 *)	646843	F6G	Q	AR	P	301	446	31		
1) F: Bottom 2) 6: 1/6 Width 3) G: Thickness of product 4) Q: transversal 5) AR: as rolled 6) P: prismatic *) The sample product is not part of the delivery										

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

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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

**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 ≥ 250	Tensile strength (C12) Rm N/mm2 400 - 550	Elongation (C13) 8 in % ≥ 18		
964659	646843	F6G	Q	AR	P	304	446	31		

1) F: Bottom  
 2) 6: 1/6 Width  
 3) G: Thickness of product  
 \*) 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.

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