



AO1	 ArcelorMittal Belgium NV ArcelorMittal Gent John Kennedylaan, 51 9042 Gent (België) Tel.: +32 9.347.31.11 Fax: +32 9.347.49.07		AO2	AO3	AO9	DISPATCH NOTE	1460470	AO6.1 CUSTOMER
	CERTIFICATE ----- INSPECTION CERTIFICATE ACCORDING EN10204-3.1 OR EQUIVALENT.		171340473 P. 01/05	04-08-2017	AO6.2 DESTINATION	0740911	AO ALUSTEEL AB TELAKKATIE 4 FIN-23500 UUSIKAUPUNKI FINLAND	
	AM GENT/ QUALITY DEPARTMENT AUTHOR OF THE DOCUMENT		INSPECTION CERTIFICATE ACCORDING EN10204-3.1 OR EQUIVALENT.	AO8	ORDER NUMBER	29070	AO ALUSTEEL AB HEPOKARINTIE 9 FIN-23500 UUSIKAUPUNKI FINLAND	
	AM GENT/ QUALITY DEPARTMENT YOUR REFERENCES		INSPECTION CERTIFICATE ACCORDING EN10204-3.1 OR EQUIVALENT.	AO7	YOUR ORDER NO	39145	AO6.2 DESTINATION	
	AM GENT/ QUALITY DEPARTMENT OUR REFERENCES		INSPECTION CERTIFICATE ACCORDING EN10204-3.1 OR EQUIVALENT.	AO6	CONTRACT NO	FH72APLOO2	AO6.2 DESTINATION	

B01=B04 MATERIAL - HOT ROLLED STEEL COILS, PICKLED, (00-00-2004) ORDER ITEM 04 20 12 14 16 10 06 08 - AM FCE QUALITY ORDER ITEM 02 - S235JR+AR ORDER ITEM 04 20 12 14 16 10 06 08 - AMSTRONGS55MC		STANDARD = ORDER ITEM 02 - EN 10025-2
B09 ITEM	B10 WIDTH B11 THICKNESS	
	MM	
02	1.500	3,00
04	1.500	3,00
20	1.500	8,00
12	1.250	3,00
14	1.250	4,00
16	1.250	5,00
10	1.500	6,00
06	1.500	4,00
08	1.500	5,00


CHEMICAL ANALYSIS																		
C70 STEELMAKING PROCESS: LD																		
B09 ITEM	B08 CAST N.	B07 COIL NO	B08	C71	C72	C73	C74	C75	C76	C77	C78	C79	C80	C81	C82	C83	C84	C85
				C	Mn	Si	P	S	N	Al t	Ti	Cr	Ni	Cu	Nb	B	V	Mo
				10 ⁻³ %	10 ⁻² %	10 ⁻³ %	10 ⁻³ %	10 ⁻³ %	10 ⁻⁴ %	10 ⁻³ %	10 ⁻³ %	10 ⁻³ %	10 ⁻³ %	10 ⁻³ %	10 ⁻³ %	10 ⁻⁴ %	10 ⁻³ %	10 ⁻³ %
02	17558	3666621	17558	83	59	8	14	8	38	32	1	24	24	12	0	1	1	2
	18017	4051705	18017	79	35	7	14	10	36	33	0	36	28	32	0	1	2	3
	18018	4437437	18018	77	35	9	13	12	38	33	1	35	28	34	0	1	1	2
		56460																
04	19172	4180250	19172	68	35	10	10	4	49	34	1	25	25	17	27	1	3	2
	19151	4180267	19151	64	36	7	9	8	40	27	1	22	25	24	26	1	2	2
	19156	4262475	19156	64	37	9	9	7	50	31	1	23	28	33	22	1	3	2
	19148	4262499	19148	67	37	8	11	4	32	22	1	18	21	8	25	1	3	2
	18876	4262482	18876	66	35	7	6	6	46	46	1	22	26	24	26	1	1	2
	19146	4324625	19146	64	39	11	9	4	54	32	1	20	21	8	27	1	2	1
		123490																
20	17366	3829114	17366	68	52	9	15	6	52	41	2	26	34	38	26	1	1	5
	17366	3694192	17366	68	52	9	15	6	52	41	2	26	34	38	26	1	1	5
	17513	3694208	17513	70	53	12	15	6	45	54	2	25	27	28	29	1	2	2
	17512	3694215	17512	72	51	10	15	7	47	35	2	27	29	33	27	1	2	3
	17513	3694222	17513	70	53	12	15	6	45	54	2	25	27	28	29	1	2	2
		97640																

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AO5			AUTHOR OF THE DOCUMENT AM GENT/ QUALITY DEPARTMENT			AO7			YOUR ORDER NO 39145		
AO5			OUR REFERENCES			AO7			DATE 03-04-2017		
AO5			OUR REFERENCES			AO7			CONTRACT NO FH72APLOO2		
AO5			OUR REFERENCES			AO7			YOUR REFERENCES		
AO5			OUR REFERENCES			AO7			OBC-IN/DLIN		

STANDARD = ORDER ITEM 02 -- EN 10025-2
 BO1=BO4 MATERIAL -- HOT ROLLED STEEL COILS, PICKLED,
 (OO-00-2004) ORDER ITEM 04 20 12 14 16 10 06 08 -- AM FCE
 QUALITY ORDER ITEM 02 -- S235JR+AR ORDER ITEM 04 20 12 14 16 10 06 08 -- AMSTRONG355MC

BO9 ITEM	B13 PACK NR	GROSS WEIGHT KG	BO7 COIL NO	BO8 CAST N.	CHEMICAL ANALYSIS C70 STEELMAKING PROCESS: LD																		
					C	Mn	Si	P	S	N	Al	Ti	Cr	Ni	Cu	Nb	B	V	Mo				
					10 ⁻³ %	10 ⁻² %	10 ⁻³ %	10 ⁻³ %	10 ⁻³ %	10 ⁻⁴ %	10 ⁻³ %	10 ⁻³ %	10 ⁻³ %	10 ⁻³ %	10 ⁻³ %	10 ⁻³ %	10 ⁻³ %	10 ⁻⁴ %	10 ⁻³ %	10 ⁻³ %			
12	864153267	18220	4223610	19181	63	36	7	10	5	36	36	1	22	25	15	28	1	2	2	1			
14	864149237	21730	4201827	18629	69	52	9	16	7	53	34	1	22	24	16	26	1	2	2	2			
16	864131095	22060	3845536	18371	79	56	8	16	7	56	33	1	31	27	29	26	1	3	4	4			
10	864109565	21800	3415492	17514	70	53	6	16	6	44	47	1	24	27	28	25	1	1	2	2			
	864109571	21790	3415508	17514	70	53	6	16	6	44	47	1	24	27	28	25	1	1	2	2			
	864109574	21770	3415515	17514	70	53	7	16	6	44	48	1	24	27	28	25	1	1	2	2			
	864111644	17440	3407453	17364	68	53	7	14	6	50	31	1	23	25	17	23	1	2	2	2			
	864122395	19280	3588615	17390	71	56	9	15	6	42	36	1	25	25	14	26	1	3	3	3			
	864122405	21690	3588622	17514	70	53	6	16	6	44	47	1	24	27	28	25	1	1	2	2			
	864126525	21930	3693078	17519	74	53	9	15	6	48	35	1	24	27	13	27	1	3	3	3			
		145700																					
06	864109742	21780	3414651	17514	70	53	6	16	6	44	47	1	24	27	28	25	1	1	2	2			
	864109754	21800	3414675	17513	70	53	12	15	6	45	54	2	25	27	28	29	1	2	2	2			
	864109767	21740	3414668	17510	69	52	13	17	6	36	25	1	26	29	32	25	1	5	3	2			
	864109777	21730	3406391	17514	70	53	7	16	6	44	48	1	24	27	28	25	1	1	2	2			
	864109781	21590	3406384	17510	69	52	13	17	6	36	25	1	26	29	32	25	1	5	3	2			
	864111658	21670	3407484	17512	72	51	10	15	7	47	35	2	27	29	33	27	1	2	3	3			
	864122473	21800	3588844	17514	70	53	6	16	6	44	47	1	24	27	28	25	1	1	2	2			
	864122490	19300	3588851	17440	73	54	8	14	5	48	29	1	21	21	10	25	1	2	2	2			
		171410																					
08	864109552	21700	3415461	17513	70	53	12	15	6	45	54	2	25	27	28	29	1	2	2	2			
	864109558	21760	3415478	17513	70	53	12	15	6	45	54	2	25	27	28	29	1	2	2	2			

CO4 CONDITION OF THE SPECIMEN | CO2 DIRECTION SPECIMEN
 V:AGED F:NON-AGED N:NORMALISED | L:OGR S:45GR D:90GR
 Zetel: Keizerinlaan 66, B-1000 Brussel (België) BTW BE 0400.106.291 RPR Brussel 85709

AO1	 ArcelorMittal Belgium NV ArcelorMittal Gent John Kennedylaan, 51 9042 Gent (België) Tel.: +32 9.347.31.11 Fax: +32 9.347.49.07		AO2	CERTIFICATE ----- INSPECTION CERTIFICATE ACCORDING EN10204-3.1 OR EQUIVALENT.		AO3	171340473 P. 03/05		AO9	DISPATCH NOTE	1460470	AO6.1 CUSTOMER
			AO5	AUTHOR OF THE DOCUMENT AM GENT/ QUALITY DEPARTMENT					AO8	DATE	04-08-2017	OY ALUSTEEL AB TELAKKATIE 4 FIN-23500 UUSIKAUPUNKI FINLAND 0740911
									AO7	ORDER NUMBER	29070	A06.2 DESTINATION OY ALUSTEEL AB HEPOKARINTIE 9 FIN-23500 UUSIKAUPUNKI FINLAND 074098
										DATE		
										YOUR ORDER NO	39145	
										DATE	03-04-2017	
										CONTRACT NO	FH72APLOO2	
										YOUR REFERENCES		
										OUR REFERENCES	OBC-IN/DLIN	


B01=B04 MATERIAL - HOT ROLLED STEEL COILS, PICKLED,
 (00-00-2004) ORDER ITEM 04 20 12 14 16 10 06 08 - AM FCE
 QUALITY ORDER ITEM 02 - S235JR+AR ORDER ITEM 04 20 12 14 16 10 06 08 - AMSTRONGS355MC
 STANDARD = ORDER ITEM 02 - EN 10025-2

B09 ITEM	B13 PACK NR	B07 GROSS WEIGHT KG	B08 COIL NO	B08 CAST N.	CHEMICAL ANALYSIS C70 STEELMAKING PROCESS: LD																	
					C	Mn	Si	P	S	N	Al _t	Ti	Cr	Ni	Cu	Nb	B	V	Mo			
					10 ⁻³ %	10 ⁻² %	10 ⁻³ %	10 ⁻³ %	10 ⁻³ %	10 ⁻³ %	10 ⁻⁴ %	10 ⁻³ %	10 ⁻³ %	10 ⁻³ %	10 ⁻³ %	10 ⁻³ %	10 ⁻³ %	10 ⁻³ %	10 ⁻³ %	10 ⁻³ %	10 ⁻³ %	
08	864109563	21800	3415485	17513	71	52	11	15	7	45	46	2	25	28	30	28	1	2	2	2	2	2
	864111649	21770	3407460	17513	70	53	12	15	6	45	54	2	25	27	28	29	1	2	2	2	2	2
	864112451	20720	3413926	17512	72	51	10	15	7	47	35	2	27	29	33	27	1	2	2	3	2	2
	864125711	21750	3693115	17513	70	53	12	15	6	45	54	2	25	27	28	29	1	2	2	2	2	2
	864127122	16110	3694796	17843	74	52	9	15	5	51	32	1	20	21	8	26	1	2	2	2	2	2
		145610																				

39 802320

B09 ITEM	PACK NR	MECHANICAL PROPERTIES												
		TENSILE TEST					C40 IMPACT (CHARPY V)							
		CO4	CO2	C11	C12	C13	CO2	C44	C41	C42	C42	C42	C42	C43
		YIELD	STRENGTH	Rp0.2	Rm	A	TKC	THICKNESS	DICK	KCV1	KCV2	KCV3	KCV	
		MPa	MPa	MPa	MPa	%	C	mm	mm	J	J	J	J	
02	864138132	F	D	302	415	43								
	864144041	F	D	264	385	42								
	864152862	F	D	286	394	44								
04	864150147	F	L	393	479	35								
	864150157	F	L	389	472	36								
	864154989	F	L	390	469	36								
	864155001	F	L	377	473	36								
	864155004	F	L	389	479	37								
	864157271	F	L	384	477	36								
20	864126862	F	L	381	477	32	L	-40		8,00	197	188	205	197
	864126880	F	L	384	483	32	L	-40		8,00	196	201	188	195


C04 CONDITION OF THE SPECIMEN
 V:AGED F:NON-AGED N:NORMALISED C02 DIRECTION SPECIMEN
 L:OGR S:45GR D:90GR

AO1	 ArcelorMittal Belgium NV ArcelorMittal Gent John Kennedylaan, 51 9042 Gent (België) Tel.: +32 9.347.31.11 Fax: +32 9.347.49.07		AO2	CERTIFICATE ----- INSPECTION CERTIFICATE ACCORDING EN10204-3.1 OR EQUIVALENT.		AO3	171340473 P. 04/05		AO9	DISPATCH NOTE	1460470	AO6.1 CUSTOMER
			AO5	AUTHOR OF THE DOCUMENT AM GENT/ QUALITY DEPARTMENT					AO8	DATE	04-08-2017	OY ALUSTEEL AB TELAKKATIE 4 FIN-23500 UUSIKAUPUNKI FINLAND 0740911
									AO7	ORDER NUMBER	29070	A06.2 DESTINATION OY ALUSTEEL AB HEPOKARINTIE 9 FIN-23500 UUSIKAUPUNKI FINLAND 074098
										DATE		
										YOUR ORDER NO	39145	
										DATE	03-04-2017	
										CONTRACT NO	FH72APLOO2	
										YOUR REFERENCES		
										OUR REFERENCES	OBC-IN/DLIN	

B01-B04 MATERIAL - HOT ROLLED STEEL COILS, PICKLED,
 (00-00-2004) ORDER ITEM 04 20 12 14 16 10 06 08 - AM FCE
 QUALITY ORDER ITEM 02 - S235JR+AR ORDER ITEM 04 20 12 14 16 10 06 08 - AMSTRONG355MC
 STANDARD = ORDER ITEM 02 -- EN 10025-2

B09 ITEM	PACK NR	MECHANICAL PROPERTIES											
		TENSILE TEST						C40 IMPACT (CHARPY V)					
		CO4	CO2	C11	C12	C13	CO2	C44	C41	C42	C42	C42	C43
				YIELD Rp0.2 MPa	STRENGTH Rm	A	TKC C	THICKNESS D1K mm	KCV1 J	KCV2 J	KCV3 J	KCV J	
20	864126885	F	L	388	490	32	L	-40	8,00	196	196	204	199
	864126893	F	L	389	490	32	L	-40	8,00	194	195	186	192
	864126906	F	L	372	481	32	L	-40	8,00	197	186	196	193
12	864153267	F	L	394	470	36	L	-40					
14	864149237	F	L	390	495	34	L	-40					
16	864131095	F	L	386	487	33	L	-40					
10	864109565	F	L	381	482	32	L	-40	6,00	125	131	114	123
	864109571	F	L	391	484	33	L	-40	6,00	125	134	117	125
	864109574	F	L	390	488	32	L	-40	6,00	125	138	121	128
	864111644	F	L	388	474	34	L	-40	6,00	127	112	139	126
	864122395	F	L	389	488	32	L	-40	6,00	126	137	117	127
	864122405	F	L	387	483	31	L	-40	6,00	125	139	139	134
	864126525	F	L	383	473	34	L	-40	6,00	126	125	130	127
06	864109742	F	L	412	491	35	L	-40					
	864109754	F	L	397	496	33	L	-40					
	864109767	F	L	390	493	34	L	-40					
	864109777	F	L	387	487	35	L	-40					
	864109781	F	L	395	496	33	L	-40					
	864111658	F	L	394	493	33	L	-40					
	864122473	F	L	393	492	34	L	-40					

CO4	CONDITION OF THE SPECIMEN	CO2	DIRECTION SPECIMEN
V:AGED	F:NON-AGED N:NORMALISED	L:OGR	S:45GR D:90GR


A01  ArcelorMittal ArcelorMittal Belgium NV ArcelorMittal Gent John Kennedylaan, 51 9042 Gent (België) Tel.: +32 9.347.31.11 Fax: +32 9.347.49.07	A02 CERTIFICATE ----- INSPECTION CERTIFICATE ACCORDING EN10204-3.1 OR EQUIVALENT.	A03 171340473 P. 05/05	A09 DISPATCH NOTE 1460470 A08 ORDER NUMBER 29070 A07 YOUR ORDER NO 39145 A06.1 CUSTOMER OY ALUSTEEL AB TELAKKATIE 4 FIN-23500 UUSIKAUPUNKI FINLAND 0740911 A06.2 DESTINATION OY ALUSTEEL AB HEPOKARINTIE 9 FIN-23500 UUSIKAUPUNKI FINLAND 074098
A05 AUTHOR OF THE DOCUMENT AM GENT/ QUALITY DEPARTMENT		A06 REFERENCES OBC-IN/DLIN	

BO1=BO4 MATERIAL - HOT ROLLED STEEL COILS, PICKLED,
 (00-00-2004) ORDER ITEM 04 20 12 14 16 10 06 08 - AM FCE
 STANDARD = ORDER ITEM 02 -- EN 10025-2
 QUALITY ORDER ITEM 02 - S235JR+AR ORDER ITEM 04 20 12 14 16 10 06 08 - AMSTRONG355MC

MECHANICAL PROPERTIES														
BO9 ITEM	PACK NR	TENSILE TEST			C40 IMPACT (CHARPY V)			TKC			KCV			
		CO4	CO2	C11	C12	YIELD STRENGTH	Rp0.2	MPa	MPa	MPa	mm	C41	C42	C43
06	864122490	F	L	390	493	33								
8														
08	864109552	F	L	397	499	32								
	864109558	F	L	391	497	31								
	864109563	F	L	390	491	31								
	864111649	F	L	390	491	33								
	864112451	F	L	394	498	32								
	864125711	F	L	402	491	33								
	864127122	F	L	408	488	33								
7														

REMARKS

 TENSILE TEST SPECIMEN LC/LO/BO 120/ 5.65 SQR(SO)/ 20 MM.
 CO4 CONDITION OF THE SPECIMEN
 V:AGED F:NON-AGED N:NORMALISED CO2 DIRECTION SPECIMEN
 L:OGR S:45GR D:90GR

R. SLOCK
 QUALITY DEPARTMENT

 Z01

GENT 14-08-2017



ArcelorMittal Belgium NV
ArcelorMittal Gent

John Kennedylaan, 51
 9042 Gent (België)

Tel.: +32 9.347.31.11
 Fax: +32 9.347.49.07

CE label



0036

DISPATCH NOTE 1460470
 DATE 04-08-2017
 ORDER NUMBER 29070
 DATE
 YOUR ORDER NO 39145
 DATE 03-04-2017
 CONTRACT NO FH72APLOO2
 YOUR REFERENCES
 OUR REFERENCES OBC-IN/DLIN

CUSTOMER
 OY ALUSTEEL AB
 TELAKKATIE 4
 FIN-23500 UUSIKAUPUNKI

DESTINATION

OY ALUSTEEL AB
 HEPOKARINTIE 9
 FIN-23500 UUSIKAUPUNKI
 FINLAND 074098

NUMMER DOP HRO0006_CPR2013-07-01_FC_V007

NUMMER DOP
http://dop.arcelormittal.net/pdf/HRO0006_CPR2013-07-01_FC_V007_FI_FI.pdf
 EN 10025-1

PAKNUMMER POST ITEM
 COILNUMBER

JAAR YEAR
 13

TECHNISCHE SPECIFICATIE
 TECHNICAL SPECIFICATION
 AMSTRONG355MC AFCS
 EN 10025-1

HOT ROLLED STRUCTURAL STEEL PRODUCTS
 INTENDED TO BE USED IN WELDED, BOLTED AND RIVETED STRUCTURES

864138132
 864144041
 864152862

TOLERANTIES OP DIMENSIES EN VORM:
 VOLGENS EN 10051

TOLERANCES ON DIMENSIONS AND SHAPE:
 CONFORM TO EN 10051

VERLENGING
 TREKSTERKTE
 VLOEIGRENS
 KERFSLAGWAARDE
 LASBAARHEID
 DUURZAAMHEID

ELONGATION
 TENSILE STRENGTH
 YIELD STRENGTH
 IMPACT STRENGTH
 WELDABILITY
 DURABILITY

STAAL
 UITGEDRUKT ZOALS VERMELD IN
 DE DOP

STEEL
 EXPRESSED AS INDICATED IN THE DOP