A01

ArcelorMittal Gipuzkoa, S.L.U. 296047
ArcelorMittal Europe – Long Products
CARRETERA MADRID - IRUN, KM. 419
20212 OLABERRIA (Guipúzcoa)
TELEF. (943) 80.50.00 - FAX (943) 88.04.04

CE 09-0099 AMOL-2/08-CPR-13-1 EN 10025-1:2004

AENOR Empresa Registrada ISO 9001 ER-0036/1992

ArcelorMittal

CERTIFICADO DE CALIDAD - QUALITY CERTIFICATE

OLA P-59798

DISCHARGE ADDRESS	CUSTOMER
ArcelorMittal Gipuzkoa, S.L.U. **Neew Harbour Road** **HAMWORTHY / POOLE** **GRAN BRETAÑA**	**A.J.N. STEELSTOCK LTD** ICKNIELD WAY / KENTFORD NEWMARKET GRAN BRETAÑA

SHIPPED AND CERTIFIED BY	CREDIT NUMBER	PORT OF LOADING
ARCELORMITTAL OLABERRIA CARRETERA MADRID - IRUN, KM. 419 20212 OLABERRIA (Guipúzcoa) TELEF. (943) 80.50.00 - FAX (943) 88.04.04		**PASAJES, SPAIN**
	PORT OF DISCHARGE	VESSEL
	POOLE	**AMADEUS AQUAMARIJN (UK 939)**

OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
P1704667	**E-64486/1100532527**	**69784**	**20/07/2018**

HOT ROLLED STEEL STRUCTURALS

SIZE	LENGTH	BUNDLES	PIECES BUNDLES	TOTAL PIECES	WEIGHT BUNDLES	TOTAL WEIGHT	HEAT
Pintar Testas: VERDE **Instrucciones de carga: carga con alma horizontal**							
U BEAMS 254x146x31	**6,1**	**6**	**14**	**84**	**2656**	**15.936**	**180629,180630,180631, 182234,182235,182262**
U BEAMS 254x146x31	**8**	**4**	**14**	**56**	**3483**	**13.932**	**182236,182258,182261**
U BEAMS 254x146x31	**9,5**	**5**	**14**	**70**	**4136**	**20.680**	**182243,182244,182245, 182251,182252**
U BEAMS 254x146x31	**11**	**4**	**14**	**56**	**4789**	**19.156**	**182248,182250**
U BEAMS 254x146x31	**12,2**	**7**	**12**	**84**	**4553**	**31.871**	**182233,182234,182237, 182245,182250,182258, 182261**
U BEAMS 254x146x31	**13**	**3**	**12**	**36**	**4852**	**14.556**	**182240,182242**
U BEAMS 254x146x31	**14**	**7**	**10**	**70**	**4354**	**30.478**	**182241,182259,182260**
U BEAMS 254x146x31	**15,5**	**6**	**10**	**60**	**4821**	**28.926**	**182238,182245,182251, 182256,182257**
U BEAMS 254x146x31	**16,5**	**5**	**10**	**50**	**5132**	**25.660**	**182242,182243**
U BEAMS 254x146x31	**18,3**	**7**	**8**	**56**	**4553**	**31.871**	**182256,182257**
U BEAMS 254x146x43	**6,1**	**3**	**14**	**42**	**3672**	**11.016**	**182270,182271,182272**
U BEAMS 254x146x43	**9,5**	**2**	**12**	**24**	**4902**	**9.804**	**182270**
U BEAMS 254x146x43	**13**	**2**	**8**	**16**	**4472**	**8.944**	**182283,182284**
U BEAMS 254x146x43	**14**	**3**	**8**	**24**	**4816**	**14.448**	**182273,182280,182281**
U BEAMS 254x146x43	**15,5**	**4**	**6**	**24**	**3999**	**15.996**	**182271,182272**
U BEAMS 254x146x43	**16,5**	**2**	**6**	**12**	**4257**	**8.514**	**182270,182271**
U BEAMS 254x146x43	**18,3**	**2**	**6**	**12**	**4721**	**9.442**	**182282,182283**
U BEAMS 254x146x37	**6,1**	**3**	**14**	**42**	**3160**	**9.480**	**182275,182276**
U BEAMS 254x146x37	**13**	**1**	**10**	**10**	**4810**	**4.810**	**181456,182263,182278**
U BEAMS 254x146x37	**14**	**4**	**10**	**40**	**5180**	**20.720**	**182247,182265,182266, 182267**

Despatch No.: 1006313 S/O No.: 2273.06 Cust Name: Weldrite Structures Ltd
Cust Ref: WSL9946/C1255/L1 Parent: 296047 Cast No.....: 182240 Weight: Pieces: 8
Size: 13.000 Message: AJN Steelstock Ltd Product: UB254146-31
Child Batch No: 296047

A01

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SIZE	LENGTH	BUNDLES	PIECES BUNDLES	TOTAL PIECES	WEIGHT BUNDLES	TOTAL WEIGHT	HEAT
U BEAMS 254x146x37	**15,5**	**3**	**8**	**24**	**4588**	**13.764**	**182263**
U BEAMS 254x146x37	**16,5**	**2**	**8**	**16**	**4884**	**9.768**	**182267,182273**
U BEAMS 254x146x37	**18,3**	**2**	**6**	**12**	**4063**	**8.126**	**182265,182267,182274**

TOTAL BUNDLES **87** TOTAL WEIGHT **377.898 Kg.**

A02 EN 10204/3.1 A03

S 355 J0+M - EN 10025-2/2004 SUITABLE FOR GALVANIZING (B01/B02/B03)

Tolerancias dimensionales y de forma - Tolerances on shape and dimensions : EN 10.034

C70:E MATERIAL SIZE	COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)																	
		C	Mn	Si	P	S	N	V	Cr	Cu	Ni	Mo	Nb						Cev
B11	B08	C71	C72	C73	C74	C75	C76	C77	C78										
UB-254x146x31	180629	,09	1,01	,23	,026	,024	,011	,026	,140	,370	,150	,037	,014						,33
UB-254x146x31	180630	,07	,99	,19	,029	,022	,012	,028	,150	,410	,160	,037	,014						,32
UB-254x146x31	180631	,07	1,00	,20	,023	,022	,011	,027	,120	,380	,150	,034	,011						,31
UB-254x146x31	182233	,06	,99	,16	,020	,024	,009	,018	,140	,320	,150	,035	,015						,30
UB-254x146x31	182234	,06	1,03	,18	,022	,020	,009	,019	,140	,310	,180	,037	,024						,30
UB-254x146x31	182235	,09	1,00	,20	,022	,019	,008	,021	,140	,310	,170	,035	,020						,32
UB-254x146x31	182236	,08	1,00	,20	,020	,019	,010	,020	,170	,360	,170	,043	,018						,33
UB-254x146x31	182237	,05	,99	,18	,018	,018	,010	,020	,140	,320	,160	,041	,018						,29
UB-254x146x31	182238	,07	,98	,19	,028	,017	,009	,020	,170	,310	,160	,040	,015						,31
UB-254x146x31	182240	,08	1,01	,20	,020	,018	,009	,022	,140	,340	,190	,048	,018						,32
UB-254x146x31	182241	,07	1,00	,18	,022	,021	,010	,023	,130	,310	,200	,047	,020						,31
UB-254x146x31	182242	,06	,96	,17	,021	,018	,009	,020	,110	,330	,150	,044	,018						,29
UB-254x146x31	182243	,09	1,05	,18	,023	,019	,009	,021	,150	,330	,170	,041	,027						,34
UB-254x146x31	182244	,08	,99	,20	,025	,019	,012	,020	,190	,340	,190	,043	,021						,33
UB-254x146x31	182245	,07	1,01	,20	,030	,020	,010	,023	,250	,350	,160	,038	,021						,33
UB-254x146x31	182248	,07	,98	,20	,024	,019	,010	,021	,170	,370	,140	,034	,017						,31
UB-254x146x31	182250	,07	,99	,19	,022	,022	,010	,021	,260	,400	,230	,053	,019						,35
UB-254x146x31	182251	,06	1,00	,18	,016	,019	,010	,020	,140	,330	,180	,048	,021						,31
UB-254x146x31	182252	,08	1,00	,19	,020	,021	,011	,019	,150	,320	,170	,041	,021						,32
UB-254x146x31	182256	,07	,97	,19	,021	,020	,011	,021	,120	,490	,170	,048	,018						,31
UB-254x146x31	182257	,07	1,00	,20	,024	,019	,010	,020	,140	,390	,160	,050	,023						,32
UB-254x146x31	182259	,09	1,02	,19	,022	,019	,009	,021	,130	,350	,170	,038	,023						,33
UB-254x146x31	182260	,07	1,02	,18	,019	,028	,009	,020	,090	,350	,150	,030	,024						,30
UB-254x146x31	182261	,06	1,01	,19	,022	,023	,011	,021	,180	,340	,170	,042	,023						,31
UB-254x146x31	182262	,07	1,00	,18	,022	,022	,010	,020	,160	,340	,180	,031	,020						,31
UB-254x146x37	181456	,07	1,02	,21	,023	,022	,012	,024	,140	,350	,190	,036	,017						,31
UB-254x146x37	182247	,09	,97	,22	,024	,021	,010	,023	,190	,400	,160	,033	,016						,33
UB-254x146x37	182263	,08	1,00	,18	,022	,020	,010	,020	,160	,340	,160	,033	,019						,32
UB-254x146x37	182265	,07	,99	,20	,023	,021	,011	,021	,170	,330	,160	,037	,019						,31
UB-254x146x37	182266	,09	1,00	,19	,025	,019	,012	,023	,170	,360	,140	,040	,020						,33
UB-254x146x37	182267	,12	1,00	,19	,031	,019	,012	,024	,320	,360	,180	,052	,020						,40
UB-254x146x37	182273	,07	1,04	,20	,019	,020	,009	,022	,160	,280	,140	,035	,018						,32
UB-254x146x37	182274	,07	,96	,18	,020	,020	,010	,021	,150	,300	,150	,047	,017						,30
UB-254x146x37	182275	,08	1,02	,20	,021	,019	,010	,022	,150	,320	,150	,046	,018						,33
UB-254x146x37	182276	,09	1,00	,21	,023	,020	,009	,020	,230	,320	,250	,052	,020						,35
UB-254x146x43	182270	,07	1,03	,19	,024	,022	,012	,022	,150	,370	,210	,047	,025						,33

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C70:E

MATERIAL SIZE	COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)																	
		C	Mn	Si	P	S	N	V	Cr	Cu	Ni	Mo	Nb						Cev
B11	B08	C71	C72	C73	C74	C75	C76	C77	C78										
UB-254x146x43	182271	,07	1,02	,18	,026	,021	,012	,022	,240	,430	,240	,045	,026						,35
UB-254x146x43	182272	,07	,99	,16	,024	,022	,010	,022	,230	,370	,210	,042	,024						,33
UB-254x146x43	182273	,07	1,04	,20	,019	,020	,009	,022	,160	,280	,140	,035	,018						,32
UB-254x146x43	182280	,08	,97	,19	,024	,021	,011	,024	,170	,430	,180	,033	,014						,33
UB-254x146x43	182281	,10	,99	,21	,027	,020	,010	,022	,200	,390	,350	,055	,017						,37
UB-254x146x43	182282	,11	1,02	,23	,026	,020	,010	,022	,200	,360	,270	,063	,026						,38
UB-254x146x43	182283	,09	1,03	,20	,020	,019	,010	,021	,160	,330	,230	,049	,026						,34
UB-254x146x43	182284	,08	1,00	,20	,019	,021	,009	,021	,150	,350	,210	,042	,027						,33

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES				FLEXIÓN POR CHOQUE IMPACT TEST					
		ReH MPa	Rm MPa	A% L0=5,65VSo	Doblado 180°	°C	KV300	V1 j.	V2 j.	V3 j.	Media j.
B11	B08	C11	C12	C13	C50	C03	C40/41	C42			C43
UB-254x146x31	180629	415	523	34,		0°	5	64	69	71	68
UB-254x146x31	180630	424	528	31,8		0°	5	67	66	73	69
UB-254x146x31	180631	447	548	34,7		0°	5	74	55	56	62
UB-254x146x31	182233	420	516	33,2		0°	5	93	81	57	77
UB-254x146x31	182234	440	536	30,2		0°	5	94	105	110	103
UB-254x146x31	182235	422	540	29,3		0°	5	64	45	45	51
UB-254x146x31	182236	448	563	32,		0°	5	57	67	63	62
UB-254x146x31	182237	446	567	30,1		0°	5	98	86	95	93
UB-254x146x31	182238	433	562	29,		0°	5	58	49	47	51
UB-254x146x31	182240	430	561	29,5		0°	5	71	88	52	70
UB-254x146x31	182241	449	526	30,8		0°	5	78	65	58	67
UB-254x146x31	182242	449	568	29,5		0°	5	57	42	73	57
UB-254x146x31	182243	443	520	28,9		0°	5	68	77	84	76
UB-254x146x31	182244	444	550	28,8		0°	5	62	71	58	64
UB-254x146x31	182245	445	577	31,6		0°	5	98	87	91	92
UB-254x146x31	182248	422	542	26,		0°	5	46	37	39	41
UB-254x146x31	182250	440	572	31,3		0°	5	68	71	79	73
UB-254x146x31	182251	448	592	31,6		0°	5	58	39	78	58
UB-254x146x31	182252	441	568	31,3		0°	5	68	60	54	61
UB-254x146x31	182256	446	546	33,1		0°	5	99	110	95	101
UB-254x146x31	182257	413	581	30,8		0°	5	73	60	82	72
UB-254x146x31	182259	440	536	32,9		0°	5	79	77	77	78
UB-254x146x31	182260	438	534	32,8		0°	5	64	73	74	70
UB-254x146x31	182261	438	558	30,		0°	5	65	69	62	65
UB-254x146x31	182262	412	547	31,7		0°	5	42	62	45	50
UB-254x146x37	181456	442	562	29,8		0°	7,5	119	122	129	123
UB-254x146x37	182247	445	574	30,3		0°	7,5	65	40	72	59
UB-254x146x37	182263	443	572	31,		0°	7,5	35	33	39	36
UB-254x146x37	182265	438	529	30,1		0°	7,5	36	49	93	59
UB-254x146x37	182266	447	558	31,7		0°	7,5	34	71	74	60
UB-254x146x37	182267	444	562	31,3		0°	7,5	53	38	50	47
UB-254x146x37	182273	443	554	33,2		0°	7,5	75	60	62	66
UB-254x146x37	182274	430	526	30,3		0°	7,5	145	79	134	119
UB-254x146x37	182275	435	542	30,8		0°	7,5	44	32	41	39
UB-254x146x37	182276	447	554	30,7		0°	7,5	47	52	40	46
UB-254x146x43	182270	445	539	30,1		0°	10	99	150	119	123

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OLA P-59798

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES				FLEXIÓN POR CHOQUE IMPACT TEST					
		ReH MPa	Rm MPa	A% L0=5,65VSo	Doblado 180°	°C	KV300	V1 j.	V2 j.	V3 j.	Media j.
B11	B08	C11	C12	C13	C50	C03	C40/41	C42			C43
UB-254x146x43	182271	442	564	29,8		0°	10	72	55	63	63
UB-254x146x43	182272	446	554	30,7		0°	10	49	72	140	87
UB-254x146x43	182273	447	550	30,8		0°	10	154	143	145	147
UB-254x146x43	182280	449	570	29,3		0°	10	44	52	58	51
UB-254x146x43	182281	446	582	29,3		0°	10	42	33	49	41
UB-254x146x43	182282	445	566	31,3		0°	10	68	145	119	111
UB-254x146x43	182283	444	545	28,		0°	10	124	90	113	109
UB-254x146x43	182284	439	550	32,		0°	10	85	146	120	117

44 análisis

D01: Certificamos que los aceros arriba indicados han sido satisfactoriamente probados de acuerdo con la especificación.

B06: Marca AMO
Productos laminados en caliente de aceros para estructuras
Diseñado para ser utilizado en estructuras soldadas, atornilladas y remachadas

Responsable del Departamento de Calidad Z01

Jose Maria Galindo