A01

ArcelorMittal Gipuzkoa, S.L.U. 296087
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-59800

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-63897/1100527235**	**69265**	**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 COLUMNS 152x152x30	**6,1**	**5**	**18**	**90**	**3294**	**16.470**	**181949,181950**
U COLUMNS 152x152x30	**8**	**2**	**18**	**36**	**4320**	**8.640**	**181951,181954**
U COLUMNS 152x152x30	**9,5**	**4**	**15**	**60**	**4275**	**17.100**	**181842,181937,181938**
U COLUMNS 152x152x30	**11**	**3**	**15**	**45**	**4950**	**14.850**	**181948,181949**
U COLUMNS 152x152x30	**12,2**	**8**	**12**	**96**	**4392**	**35.136**	**181842,181936,181958**
U COLUMNS 152x152x30	**12,2**	**1**	**6**	**6**	**2196**	**2.196**	**181936**
U COLUMNS 152x152x30	**13**	**2**	**12**	**24**	**4680**	**9.360**	**181949**
U COLUMNS 152x152x30	**14**	**5**	**12**	**60**	**5040**	**25.200**	**181946,181949**
U COLUMNS 152x152x30	**15,5**	**4**	**9**	**36**	**4185**	**16.740**	**181951,181955**
U COLUMNS 152x152x30	**16,5**	**2**	**9**	**18**	**4455**	**8.910**	**181952**
U COLUMNS 152x152x30	**18,3**	**2**	**9**	**18**	**4941**	**9.882**	**181946,181947**
U COLUMNS 152x152x37	**6,1**	**4**	**15**	**60**	**3386**	**13.544**	**181910,181911**
U COLUMNS 152x152x37	**8**	**2**	**15**	**30**	**4440**	**8.880**	**181929**
U COLUMNS 152x152x37	**9,5**	**4**	**12**	**48**	**4218**	**16.872**	**181924**
U COLUMNS 152x152x37	**11**	**4**	**12**	**48**	**4884**	**19.536**	**181916,181917**
U COLUMNS 152x152x37	**12,2**	**10**	**9**	**90**	**4063**	**40.630**	**181912,181913,181914**
U COLUMNS 152x152x37	**13**	**3**	**9**	**27**	**4329**	**12.987**	**181921,181922**
U COLUMNS 152x152x37	**14**	**6**	**9**	**54**	**4662**	**27.972**	**181914,181916**
U COLUMNS 152x152x37	**15,5**	**3**	**9**	**27**	**5162**	**15.486**	**181922,181925,181926**
U COLUMNS 152x152x37	**16,5**	**3**	**6**	**18**	**3663**	**10.989**	**181919,181922**
U COLUMNS 152x152x37	**18,3**	**2**	**6**	**12**	**4063**	**8.126**	**181915**
U COLUMNS 203x203x46	**11**	**11**	**9**	**99**	**4564**	**50.204**	**182317,182319,182337, 182338**

Despatch No.: 1007998 S/O No.: 2280.06 Cust Name: Weldrite Structures Ltd
Cust Ref: WSL9946/C1255/L2 Parent: 296087 Cast No.....: 182345 Weight: 0.562
Pieces: 6 Size: 12.200 Message: AJN Steelstock Ltd Product: UC203203-46
Child Batch No: 296087

A01

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CERTIFICADO DE CALIDAD - QUALITY CERTIFICATE OLA P-59800

SIZE	LENGTH	BUNDLES	PIECES BUNDLES	TOTAL PIECES	WEIGHT BUNDLES	TOTAL WEIGHT	HEAT
U COLUMNS 203x203x46	**12,2**	**13**	**9**	**117**	**5062**	**65.806**	**182344,182345,182346**
U COLUMNS 203x203x46	**12,2**	**1**	**8**	**8**	**4499**	**4.499**	**181596**
U COLUMNS 203x203x46	**14**	**14**	**6**	**84**	**3872**	**54.208**	**182317,182337,182338, 182343,182344**
U COLUMNS 203x203x52	**6,1**	**1**	**12**	**12**	**3806**	**3.806**	**181645**
U COLUMNS 203x203x52	**13**	**2**	**6**	**12**	**4056**	**8.112**	**182308**
U COLUMNS 203x203x52	**14**	**3**	**6**	**18**	**4368**	**13.104**	**182309**
U COLUMNS 203x203x52	**15,5**	**2**	**6**	**12**	**4836**	**9.672**	**182306,182307**
U COLUMNS 203x203x52	**16,5**	**1**	**6**	**6**	**5148**	**5.148**	**182308**
U COLUMNS 203x203x52	**18,3**	**4**	**3**	**12**	**2855**	**11.420**	**182307,182308**
U COLUMNS 203x203x71	**12,2**	**4**	**6**	**24**	**5197**	**20.788**	**181622,181623**
U COLUMNS 203x203x86	**8**	**1**	**6**	**6**	**4133**	**4.133**	**181616**
U COLUMNS 203x203x86	**12,2**	**5**	**3**	**15**	**3151**	**15.755**	**181616,181617**

TOTAL BUNDLES **141** TOTAL WEIGHT **606.161 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										
UC-152x152x30	181842	,07	,99	,19	,024	,020	,011	,021	,140	,410	,150	,046	,021						,31
UC-152x152x30	181936	,07	,99	,19	,029	,024	,009	,021	,170	,350	,200	,032	,022						,32
UC-152x152x30	181937	,07	1,01	,19	,023	,023	,009	,022	,150	,320	,210	,040	,022						,31
UC-152x152x30	181938	,06	1,00	,21	,022	,024	,009	,020	,140	,380	,190	,039	,023						,30
UC-152x152x30	181946	,09	1,02	,17	,032	,019	,009	,023	,260	,400	,300	,047	,019						,37
UC-152x152x30	181947	,09	1,02	,19	,028	,020	,010	,024	,240	,470	,260	,053	,020						,37
UC-152x152x30	181948	,11	1,03	,21	,022	,019	,010	,024	,180	,450	,230	,047	,021						,38
UC-152x152x30	181949	,08	1,03	,22	,030	,020	,010	,024	,340	,460	,320	,049	,019						,39
UC-152x152x30	181950	,08	1,12	,20	,030	,022	,011	,023	,220	,370	,210	,042	,025						,36
UC-152x152x30	181951	,07	1,04	,20	,035	,020	,011	,022	,230	,390	,180	,043	,024						,34
UC-152x152x30	181952	,07	1,05	,18	,035	,022	,010	,023	,270	,400	,170	,035	,025						,35
UC-152x152x30	181954	,05	1,01	,17	,020	,020	,011	,023	,220	,390	,160	,037	,018						,32
UC-152x152x30	181955	,06	1,00	,19	,022	,019	,010	,021	,250	,420	,210	,038	,018						,33
UC-152x152x30	181958	,06	1,03	,17	,026	,022	,011	,021	,170	,380	,160	,030	,019						,32
UC-152x152x37	181910	,08	1,30	,24	,035	,021	,009	,030	,280	,400	,180	,034	,028						,41
UC-152x152x37	181911	,10	1,05	,19	,027	,020	,009	,024	,180	,470	,170	,025	,024						,37
UC-152x152x37	181912	,06	1,00	,18	,028	,025	,009	,020	,170	,390	,170	,029	,022						,31
UC-152x152x37	181913	,08	1,11	,19	,035	,022	,010	,018	,150	,440	,220	,039	,025						,35
UC-152x152x37	181914	,08	,99	,19	,019	,020	,010	,022	,170	,410	,190	,033	,022						,33
UC-152x152x37	181915	,08	1,01	,20	,029	,019	,011	,020	,160	,360	,180	,031	,024						,33
UC-152x152x37	181916	,07	1,04	,19	,031	,021	,010	,022	,200	,410	,150	,031	,021						,33
UC-152x152x37	181917	,09	1,00	,19	,026	,020	,011	,021	,210	,390	,170	,037	,022						,35
UC-152x152x37	181919	,09	1,03	,18	,034	,019	,009	,021	,200	,410	,180	,028	,022						,35

A01

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OLA P-59800

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										
UC-152x152x37	181921	,10	1,05	,18	,025	,018	,009	,020	,210	,410	,170	,029	,024						,36
UC-152x152x37	181922	,10	1,05	,20	,024	,018	,009	,022	,220	,360	,180	,034	,024						,37
UC-152x152x37	181924	,09	1,01	,20	,028	,019	,009	,023	,180	,380	,230	,039	,020						,35
UC-152x152x37	181925	,08	1,02	,18	,028	,023	,009	,023	,190	,380	,210	,041	,020						,34
UC-152x152x37	181926	,07	1,03	,21	,029	,023	,009	,024	,160	,400	,180	,036	,021						,32
UC-152x152x37	181929	,07	,99	,24	,030	,024	,010	,025	,190	,370	,190	,039	,016						,32
UC-203x203x46	181596	,06	1,04	,18	,025	,023	,009	,030	,130	,360	,170	,026	,018						,31
UC-203x203x46	182317	,09	,98	,18	,021	,017	,010	,022	,190	,370	,170	,040	,019						,34
UC-203x203x46	182319	,06	1,00	,20	,021	,023	,010	,022	,140	,350	,140	,040	,020						,30
UC-203x203x46	182337	,06	,97	,19	,025	,020	,010	,019	,170	,310	,150	,037	,018						,30
UC-203x203x46	182338	,07	,97	,19	,022	,018	,010	,019	,130	,330	,150	,036	,018						,30
UC-203x203x46	182343	,07	,98	,17	,025	,023	,010	,020	,150	,370	,190	,042	,018						,32
UC-203x203x46	182344	,08	1,03	,17	,022	,022	,009	,022	,160	,350	,160	,044	,019						,33
UC-203x203x46	182345	,07	,92	,17	,025	,020	,009	,023	,150	,350	,180	,047	,018						,30
UC-203x203x46	182346	,08	1,00	,18	,029	,022	,010	,021	,200	,380	,220	,051	,023						,34
UC-203x203x52	181645	,06	1,03	,19	,025	,023	,010	,022	,120	,330	,160	,038	,019						,30
UC-203x203x52	182306	,10	1,01	,22	,024	,020	,011	,020	,160	,350	,150	,040	,019						,35
UC-203x203x52	182307	,09	,98	,19	,030	,019	,012	,020	,200	,360	,160	,030	,019						,33
UC-203x203x52	182308	,07	,99	,18	,017	,019	,010	,019	,110	,350	,150	,029	,018						,30
UC-203x203x52	182309	,08	1,01	,20	,029	,019	,009	,022	,150	,380	,160	,037	,016						,33
UC-203x203x71	181622	,09	1,04	,20	,022	,020	,010	,026	,120	,330	,150	,025	,016						,33
UC-203x203x71	181623	,10	1,01	,22	,023	,019	,009	,024	,110	,310	,150	,025	,017						,33
UC-203x203x86	181616	,09	,97	,20	,025	,019	,010	,029	,120	,360	,180	,041	,014						,32
UC-203x203x86	181617	,10	1,03	,21	,029	,023	,011	,025	,110	,380	,140	,030	,014						,34

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES				FLEXIÓN POR CHOQUE IMPACT TEST					
		ReH MPa	Rm MPa	A% L0=5,65VSo	Doblado 180º	ºC	KV300	V1 j.	V2 j.	V3 j.	Media j.
B11	B08	C11	C12	C13	C50	C03	C40/41	C42			C43
UC-152x152x30	181842	434	561	30,8		0º	7,5	44	41	34	40
UC-152x152x30	181936	446	558	45,6		0º	7,5	64	119	61	81
UC-152x152x30	181937	434	566	34,6		0º	7,5	39	43	39	40
UC-152x152x30	181938	438	545	31,6		0º	7,5	62	53	60	58
UC-152x152x30	181946	388	532	30,9		0º	7,5	51	72	37	53
UC-152x152x30	181947	395	527	30,6		0º	7,5	64	75	65	68
UC-152x152x30	181948	392	532	28,3		0º	7,5	53	76	79	69
UC-152x152x30	181949	426	526	31,4		0º	7,5	81	137	153	124
UC-152x152x30	181950	425	528	32,3		0º	7,5	151	128	157	145
UC-152x152x30	181951	385	508	31,5		0º	7,5	57	65	57	60
UC-152x152x30	181952	392	508	28,5		0º	7,5	75	90	88	84
UC-152x152x30	181954	388	530	31,5		0º	7,5	47	66	51	55
UC-152x152x30	181955	431	554	29,7		0º	7,5	75	128	138	114
UC-152x152x30	181958	415	551	31,5		0º	7,5	34	53	41	43
UC-152x152x37	181910	422	557	26,3		0º	7,5	37	42	34	38
UC-152x152x37	181911	419	522	31,1		0º	7,5	119	121	105	115
UC-152x152x37	181912	417	522	31,8		0º	7,5	100	62	51	71
UC-152x152x37	181913	430	525	30,2		0º	7,5	106	130	90	109
UC-152x152x37	181914	438	531	31,2		0º	7,5	84	54	136	91
UC-152x152x37	181915	424	533	32,4		0º	7,5	40	113	77	77

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MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES				FLEXIÓN POR CHOQUE IMPACT TEST					
		ReH MPa	Rm MPa	A% L0=5,65VSo	Doblado 180º	ºC	KV300	V1 j.	V2 j.	V3 j.	Media j.
B11	B08	C11	C12	C13	C50	C03	C40/41	C42			C43
UC-152x152x37	181916	419	529	31,2		0º	7,5	131	85	57	91
UC-152x152x37	181917	414	518	29,6		0º	7,5	145	126	171	147
UC-152x152x37	181919	421	550	30,2		0º	7,5	39	33	35	36
UC-152x152x37	181921	426	554	28,9		0º	7,5	45	46	48	46
UC-152x152x37	181922	420	548	27,3		0º	7,5	42	32	32	35
UC-152x152x37	181924	406	531	30,8		0º	7,5	63	70	58	64
UC-152x152x37	181925	423	531	29,4		0º	7,5	67	62	55	61
UC-152x152x37	181926	424	535	30,		0º	7,5	74	64	49	62
UC-152x152x37	181929	419	537	31,		0º	7,5	38	44	70	51
UC-203x203x46	181596	425	524	28,3		0º	7,5	113	115	96	108
UC-203x203x46	182317	414	517	29,3		0º	7,5	128	129	160	139
UC-203x203x46	182319	435	521	29,6		0º	7,5	117	38	121	92
UC-203x203x46	182337	437	527	29,7		0º	7,5	67	148	31	82
UC-203x203x46	182338	442	529	31,6		0º	7,5	119	123	71	104
UC-203x203x46	182343	438	534	30,4		0º	7,5	105	116	117	113
UC-203x203x46	182344	448	567	29,1		0º	7,5	51	35	50	45
UC-203x203x46	182345	441	550	28,2		0º	7,5	64	76	72	71
UC-203x203x46	182346	447	565	28,4		0º	7,5	41	37	34	37
UC-203x203x52	181645	431	531	30,		0º	10	165	150	166	160
UC-203x203x52	182306	446	544	30,4		0º	10	126	95	96	106
UC-203x203x52	182307	443	538	30,9		0º	10	110	108	208	142
UC-203x203x52	182308	439	521	31,		0º	10	172	189	175	179
UC-203x203x52	182309	445	538	30,6		0º	10	132	158	127	139
UC-203x203x71	181622	424	526	34,9		0º	10	163	161	170	165
UC-203x203x71	181623	405	509	31,8		0º	10	178	189	211	193
UC-203x203x86	181616	410	522	26,7		0º	10	154	160	201	172
UC-203x203x86	181617	412	512	31,6		0º	10	129	109	121	120

47 análisis

Responsable del Departamento de Calidad Z01

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

Jose Maria Galindo