A01

ArcelorMittal Gipuzkoa, S.L.U. 296116
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-59799

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-63896/1100527139**	**69264**	**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 203x133x25	**6,1**	**8**	**16**	**128**	**2450**	**19.600**	**182017,182023,182025**
U BEAMS 203x133x25	**8**	**5**	**16**	**80**	**3213**	**16.065**	**182009,182010**
U BEAMS 203x133x25	**9,5**	**5**	**16**	**80**	**3815**	**19.075**	**181984,181985**
U BEAMS 203x133x25	**11**	**6**	**16**	**96**	**4418**	**26.508**	**181987,182012**
U BEAMS 203x133x25	**12,2**	**8**	**16**	**128**	**4900**	**39.200**	**181979,181980,181981, 181982,182020**
U BEAMS 203x133x25	**13**	**4**	**14**	**56**	**4568**	**18.272**	**182009**
U BEAMS 203x133x25	**14**	**8**	**14**	**112**	**4920**	**39.360**	**181986,182015,182018**
U BEAMS 203x133x25	**15,5**	**7**	**12**	**84**	**4669**	**32.683**	**182017,182020,182022**
U BEAMS 203x133x25	**16,5**	**4**	**12**	**48**	**4970**	**19.880**	**181989,182011**
U BEAMS 203x133x25	**18,3**	**5**	**10**	**50**	**4593**	**22.965**	**181992**
U BEAMS 203x133x30	**6,1**	**5**	**16**	**80**	**2928**	**14.640**	**182001,182002,182003**
U BEAMS 203x133x30	**8**	**4**	**16**	**64**	**3840**	**15.360**	**182034,182036**
U BEAMS 203x133x30	**9,5**	**3**	**16**	**48**	**4560**	**13.680**	**181948,181954**
U BEAMS 203x133x30	**11**	**5**	**14**	**70**	**4620**	**23.100**	**182035,182043**
U BEAMS 203x133x30	**12,2**	**9**	**14**	**126**	**5124**	**46.116**	**181995,181996,181999, 182002**
U BEAMS 203x133x30	**13**	**3**	**12**	**36**	**4680**	**14.040**	**182036**
U BEAMS 203x133x30	**14**	**6**	**12**	**72**	**5040**	**30.240**	**182042,182043,182044**
U BEAMS 203x133x30	**15,5**	**4**	**10**	**40**	**4650**	**18.600**	**181997,181998**
U BEAMS 203x133x30	**16,5**	**2**	**10**	**20**	**4950**	**9.900**	**182039**
U BEAMS 203x133x30	**18,3**	**3**	**8**	**24**	**4392**	**13.176**	**181945,182026**
U BEAMS 254x146x31	**6,1**	**6**	**14**	**84**	**2656**	**15.936**	**180629,180630,180631, 182234,182235,182262**

Despatch No.: 1007998 S/O No.: 2280.07 Cust Name: Weldrite Structures Ltd
Cust Ref: WSL9946/C1255/L2 Parent: 296116 Cast No.....: 181998 Weight: 0.465
Pieces: 12 Size: 15.500 Message: AJN Steelstock Ltd Product: UB203133-30
Child Batch No: 296116

A01

ArcelorMittal Gipuzkoa, S.L.U. 29616
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CERTIFICADO DE CALIDAD - QUALITY CERTIFICATE OLA P-59799

SIZE	LENGTH	BUNDLES	PIECES BUNDLES	TOTAL PIECES	WEIGHT BUNDLES	TOTAL WEIGHT	HEAT
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 254x146x37	6,1	2	14	28	3160	6.320	182275,182276
U BEAMS 254x146x37	12,2	3	10	30	4514	13.542	181453,181454
U BEAMS 254x146x37	13	10	10	100	4810	48.100	181456,182263,182278
U BEAMS 254x146x37	14	4	10	40	5180	20.720	182247,182265,182266, 182267
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
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 305x165x40	14	1	6	6	3385	3.385	180815

TOTAL BUNDLES **188** TOTAL WEIGHT **816.120 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-203x133x25	181979	,09	1,09	,19	,028	,018	,011	,021	,220	,380	,160	,034	,021						,36
UB-203x133x25	181980	,07	,99	,18	,024	,020	,011	,021	,160	,380	,210	,043	,017						,32
UB-203x133x25	181981	,09	1,01	,18	,029	,019	,011	,021	,180	,430	,180	,037	,020						,35
UB-203x133x25	181982	,09	1,01	,18	,021	,016	,011	,022	,160	,400	,190	,038	,020						,34
UB-203x133x25	181984	,13	,98	,20	,020	,015	,011	,022	,210	,350	,180	,032	,021						,38
UB-203x133x25	181985	,09	,98	,19	,020	,017	,012	,020	,170	,310	,170	,036	,021						,33
UB-203x133x25	181986	,08	1,04	,20	,021	,020	,011	,020	,110	,340	,170	,031	,023						,32
UB-203x133x25	181987	,07	1,02	,21	,020	,023	,009	,020	,110	,360	,220	,043	,022						,31

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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-203x133x25	181989	,07	1,02	,20	,020	,025	,011	,022	,150	,390	,160	,038	,024						,32
UB-203x133x25	181992	,07	1,01	,21	,022	,022	,012	,024	,130	,380	,160	,029	,020						,31
UB-203x133x25	182009	,07	1,01	,19	,021	,025	,009	,021	,140	,360	,290	,047	,023						,32
UB-203x133x25	182010	,07	1,04	,18	,029	,026	,009	,020	,120	,270	,200	,041	,021						,31
UB-203x133x25	182011	,06	1,02	,19	,026	,023	,009	,020	,110	,310	,180	,045	,021						,30
UB-203x133x25	182012	,05	,98	,21	,022	,024	,009	,022	,100	,380	,180	,031	,024						,29
UB-203x133x25	182015	,09	1,01	,18	,018	,022	,010	,021	,170	,330	,180	,035	,021						,33
UB-203x133x25	182017	,08	1,01	,18	,021	,022	,009	,021	,140	,320	,160	,027	,022						,32
UB-203x133x25	182018	,06	1,02	,18	,026	,024	,009	,023	,290	,410	,190	,037	,022						,34
UB-203x133x25	182020	,09	1,07	,20	,034	,024	,009	,025	,170	,380	,170	,025	,027						,34
UB-203x133x25	182022	,08	,98	,19	,017	,020	,009	,021	,130	,350	,150	,031	,021						,31
UB-203x133x25	182023	,07	1,01	,17	,017	,020	,009	,020	,120	,350	,140	,029	,021						,31
UB-203x133x25	182025	,08	1,03	,20	,023	,019	,010	,023	,150	,370	,130	,021	,024						,32
UB-203x133x30	181945	,07	,96	,17	,019	,018	,008	,021	,160	,390	,160	,033	,012						,31
UB-203x133x30	181948	,11	1,03	,21	,022	,019	,010	,024	,180	,450	,230	,047	,021						,38
UB-203x133x30	181954	,05	1,01	,17	,020	,020	,011	,023	,220	,390	,160	,037	,018						,32
UB-203x133x30	181995	,09	,97	,19	,027	,021	,009	,023	,260	,460	,190	,030	,021						,35
UB-203x133x30	181996	,07	1,01	,18	,029	,021	,010	,022	,210	,410	,180	,037	,023						,33
UB-203x133x30	181997	,07	1,01	,20	,031	,020	,010	,021	,240	,390	,170	,037	,021						,34
UB-203x133x30	181998	,06	1,00	,18	,028	,022	,008	,023	,170	,380	,150	,037	,021						,31
UB-203x133x30	181999	,06	1,02	,18	,030	,023	,010	,022	,170	,400	,150	,034	,019						,32
UB-203x133x30	182001	,09	,98	,21	,025	,020	,009	,023	,140	,380	,170	,044	,016						,33
UB-203x133x30	182002	,07	1,00	,20	,025	,018	,011	,023	,160	,380	,160	,045	,018						,32
UB-203x133x30	182003	,06	1,01	,20	,023	,021	,009	,026	,150	,360	,170	,039	,018						,31
UB-203x133x30	182026	,08	1,04	,20	,025	,022	,011	,021	,150	,370	,160	,033	,020						,33
UB-203x133x30	182034	,08	,97	,18	,021	,021	,011	,024	,130	,430	,150	,026	,018						,32
UB-203x133x30	182035	,08	,99	,18	,023	,022	,010	,026	,140	,410	,150	,025	,018						,32
UB-203x133x30	182036	,08	1,01	,20	,023	,023	,009	,027	,140	,450	,160	,022	,021						,33
UB-203x133x30	182039	,07	1,01	,22	,022	,019	,009	,023	,130	,380	,210	,044	,020						,32
UB-203x133x30	182042	,08	1,02	,19	,021	,023	,009	,024	,110	,350	,190	,042	,025						,32
UB-203x133x30	182043	,09	1,04	,20	,020	,020	,009	,022	,130	,330	,160	,036	,023						,33
UB-203x133x30	182044	,08	1,00	,18	,020	,025	,011	,021	,160	,410	,160	,035	,023						,32
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

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OLA P-59799

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	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	181453	,07	,99	,20	,018	,018	,009	,026	,110	,350	,150	,034	,015						,31
UB-254x146x37	181454	,08	,99	,20	,023	,018	,010	,029	,130	,350	,170	,033	,015						,32
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
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
UB-305x165x40	180815	,07	1,02	,21	,022	,022	,009	,027	,130	,310	,170	,038	,014						,31

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-203x133x25	181979	431	544	32,		0°	5	47	34	44	42
UB-203x133x25	181980	428	532	31,8		0°	5	61	97	72	77
UB-203x133x25	181981	433	555	31,6		0°	5	36	32	39	36
UB-203x133x25	181982	447	554	31,5		0°	5	91	63	47	67
UB-203x133x25	181984	444	544	31,7		0°	5	37	55	37	43
UB-203x133x25	181985	435	554	31,6		0°	5	30	33	45	36
UB-203x133x25	181986	450	546	31,9		0°	5	41	30	50	40
UB-203x133x25	181987	449	552	30,7		0°	5	86	76	82	81
UB-203x133x25	181989	449	548	29,8		0°	5	78	78	85	80
UB-203x133x25	181992	442	548	31,9		0°	5	62	80	67	70
UB-203x133x25	182009	448	552	32,3		0°	5	54	56	59	56
UB-203x133x25	182010	446	543	30,1		0°	5	74	74	90	79
UB-203x133x25	182011	449	547	31,8		0°	5	68	82	66	72

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09-0099
AMOL-2/08-CPR-13-1
EN 10025-1:2004
AENOR Empresa Registrada ISO 9001 ER-0036/1992

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CERTIFICADO DE CALIDAD - QUALITY CERTIFICATE OLA P-59799

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-203x133x25	182012	450	545	31,2		0°	5	91	79	78	83
UB-203x133x25	182015	449	566	31,9		0°	5	37	35	69	47
UB-203x133x25	182017	437	557	31,9		0°	5	69	91	58	73
UB-203x133x25	182018	419	565	31,7		0°	5	42	40	47	43
UB-203x133x25	182020	448	542	32,2		0°	5	33	54	34	40
UB-203x133x25	182022	446	531	31,8		0°	5	81	245	81	136
UB-203x133x25	182023	423	549	30,		0°	5	64	62	53	60
UB-203x133x25	182025	442	529	32,		0°	5	67	100	71	79
UB-203x133x30	181945	449	600	31,3		0°	7,5	40	59	51	50
UB-203x133x30	181948	449	564	31,5		0°	7,5	108	124	148	127
UB-203x133x30	181954	447	584	31,5		0°	7,5	70	49	53	57
UB-203x133x30	181995	447	572	31,5		0°	7,5	133	159	148	147
UB-203x133x30	181996	446	569	31,4		0°	7,5	124	75	55	85
UB-203x133x30	181997	449	535	31,7		0°	7,5	151	123	157	144
UB-203x133x30	181998	448	547	32,3		0°	7,5	78	99	90	89
UB-203x133x30	181999	437	523	31,9		0°	7,5	160	105	150	138
UB-203x133x30	182001	437	536	30,5		0°	7,5	115	111	126	117
UB-203x133x30	182002	446	552	31,7		0°	7,5	137	155	140	144
UB-203x133x30	182003	447	540	31,7		0°	7,5	127	164	163	151
UB-203x133x30	182026	443	565	31,6		0°	7,5	136	130	118	128
UB-203x133x30	182034	449	534	32,3		0°	7,5	117	127	146	130
UB-203x133x30	182035	449	550	30,5		0°	7,5	148	162	151	154
UB-203x133x30	182036	445	535	31,8		0°	7,5	123	138	122	128
UB-203x133x30	182039	423	514	30,9		0°	7,5	144	155	157	152
UB-203x133x30	182042	435	529	31,		0°	7,5	162	160	152	158
UB-203x133x30	182043	429	527	29,3		0°	7,5	88	84	93	88
UB-203x133x30	182044	441	528	29,		0°	7,5	144	150	146	147
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

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AENOR Empresa Registrada ISO 9001 ER-0036/1992

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CERTIFICADO DE CALIDAD - QUALITY CERTIFICATE

OLA P-59799

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	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	181453	443	554	29,5		0°	7,5	139	143	141	141
UB-254x146x37	181454	439	538	30,3		0°	7,5	141	128	155	141
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
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
UB-305x165x40	180815	437	530	30,7		0°	7,5	114	127	100	114

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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