Barrett Constructional Steel Limited
282 Cutler Heights Lane
Dudley Hill
Bradford
West Yorkshire, BD4 9HU
Tel: 01724 290950 Fax: 01724 290966
www.barrettsteel.com

Customer:	**ALPINE GROUP (1974) LIMITED**
Load Number:	
Customer Order Number:	**S3991/87421/IP**
Advice Number:	**G751611**
Material Code:	**UNIVERSAL BEAM 254 X 102 X 22**
Certificate Number:	**0013156**
Cast Number:	**160484**
Invoice Number:	

This is a True Copy of Original Test Certificate: - 0013156 - Page: 1 of 2

Material: UNIVERSAL BEAM 254 X 102 X 22 - Certificate: 0013156 - Cast: 160484

13154
13155
13156

A01

ArcelorMittal Gipuzkoa, S.L.U.
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 ER Empresa Registrada ER-0036/1992

ArcelorMittal

MILL TEST CERTIFICATE

OLA P-47100

DISCHARGE ADDRESS	CUSTOMER
ArcelorMittal Commercial Sections S Grove Wharf DN15-8UA Gunness (S. Humberside) GRAN BRETAÑA	**BARRETT CENTRAL DISTRIBUTION LTD** BRIGG ROAD SCUNTHORPE 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
	GUNNESS BARRET	**STEINAU**

OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
P1704995	**E-53120/1100415583**	**J001904**	**06/11/2015**

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 254x102x22	**9,5**	**6**	**20**	**120**	**4180**	**25.080**	**161554,161555**
U BEAMS 254x102x22	**16,5**	**3**	**14**	**42**	**5082**	**15.246**	**161555,161556**
U BEAMS 254x102x22	**18,3**	**3**	**12**	**36**	**4831**	**14.493**	**161557**
U BEAMS 254x102x25	**9,5**	**3**	**20**	**60**	**4788**	**14.364**	**161562,161564,161566, 161569**
U BEAMS 254x102x28	**9,5**	**5**	**18**	**90**	**4839**	**24.195**	**161572,161573,161574**

TOTAL BUNDLES **20** TOTAL WEIGHT **93.378 Kg.**

A03

EN 10204/3.1

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-254x102x22	161554	,10	,72	,20	,023	,020	,008	,050	,180	,280	,180	,040	,004						,31
UB-254x102x22	161555	,11	,72	,19	,020	,018	,008	,047	,150	,300	,160	,032	,004						,30
UB-254x102x22	161556	,10	,73	,22	,020	,026	,008	,046	,150	,290	,180	,026	,008						,29
UB-254x102x22	161557	,09	,70	,21	,019	,023	,009	,045	,200	,300	,180	,037	,004						,30
UB-254x102x25	161562	,11	,70	,17	,018	,016	,008	,049	,150	,280	,140	,031	,003						,30
UB-254x102x25	161564	,13	,72	,21	,023	,021	,008	,053	,180	,290	,150	,038	,006						,34
UB-254x102x25	161566	,08	,69	,19	,023	,019	,008	,044	,170	,280	,160	,037	,004						,28
UB-254x102x25	161569	,08	,72	,19	,020	,023	,009	,041	,120	,300	,150	,028	,003						,27
UB-254x102x28	161572	,08	,72	,18	,024	,022	,009	,043	,160	,260	,180	,044	,006						,28
UB-254x102x28	161573	,10	,76	,18	,023	,022	,008	,046	,150	,250	,180	,041	,014						,30
UB-254x102x28	161574	,10	,72	,18	,019	,021	,008	,041	,140	,270	,170	,039	,006						,29

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Invoice Number:	

Material: UNIVERSAL BEAM 254 X 102 X 22 - Certificate: 0013156 - Cast: 160484

A01

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AENOR ER Empresa Registrada ER-0036/1992

ArcelorMittal

MILL TEST CERTIFICATE

OLA P-47100

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
UB-254x102x22	161554	412	519	29,9		0º	5	80	52	78	70
UB-254x102x22	161555	407	520	32,8		0º	5	95	59	91	82
UB-254x102x22	161556	398	501	33,6		0º	5	58	73	84	72
UB-254x102x22	161557	400	507	32,8		0º	5	93	56	84	78
UB-254x102x25	161562	384	498	31,1		0º	5	75	67	67	70
UB-254x102x25	161564	411	521	31,5		0º	5	60	66	48	58
UB-254x102x25	161566	384	498	33,8		0º	5	69	58	48	58
UB-254x102x25	161569	400	503	32,3		0º	5	51	81	56	63
UB-254x102x28	161572	373	484	36,6		0º	7,5	102	88	188	126
UB-254x102x28	161573	387	505	32,4		0º	7,5	119	98	110	109
UB-254x102x28	161574	384	503	34,		0º	7,5	111	41	33	62

11 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

Lorenzo Zabala

Material: UNIVERSAL BEAM 254 X 146 X 31 - Certificate: 001323O - Cast: 62467

LONGS STEEL UK LIMITED A01
P.O. Box 1, Brigg Road,
Scunthorpe,
North Lincolnshire, DN16 1BP
Telephone: 01724 404040
Fax: 402353 Telex: 52601

INSPECTION CERTIFICATE

A02 13230

Advance
In Accordance with EN10204 3.1
Product manufactured under a Management System approved to ISO 9001

Date 6/10/15 Z02
Cert No. SMSM/15/00880139/1 A03

Customer A06

BARRETT STEEL LIMITED

BARRETT CENTRAL DISTRIBUTION LTD
BRIGG ROAD
SCUNTHORPE
NORTH LINCS DN16 1BB

CSI:2478374

Inspection A11
WORKS INSPECTION

Longs Steel Ref. No. 315795/ 2 A08
Works Order/Item No. 371802/ 2 A08
Customers Order No. JO01801 A07

Specification/Product B01/B02
EN10025-2:S355JO+AR
ADVANCE355JO

UKB 254 X 146 X 31.1 Length 15500mm
As Rolled.

B09-B12

CE 0038

B06/A10

L=Longitudinal T=Transverse Z=Through Thickness S=Sub-Surface M=Mid-Thickness Q=Quarter-Thickness TH=Third-Thickness BS=Bottom Surface A=Supply Condition N=Normalised SR=Stress Relieved SA=Strain Aged C70

Steelmaking Process: B.O.S. C71-92

B08 Quantity	B07 Cast/Heat No	B07 Piece No.	C02 Dir	C11 Yield Stress Re MPa	C12 Tensile Strength Rm	C14 Re/Rm %	C13 Elong% A Lo=5.65/So	C02 Dir	C01 Pos	Charpy Impact C40 KV2 10x5x2mmV Units Joules	C42	C43 Av.	ANALYSIS % C	Si	Mn	P	S	Cr	Mo	Ni	Al	Cu	Nb	N	Sn	Ti	V	CEV
										14 Av/ 10 Ind @		OC	.20	.55	1.60	.035	.035					.550		.012				.45
	Specification	Min		355	470		22																					.36
		Max			630																							.37
10	62432			431	563		25			OC	52	53	55	53	.13	.22	1.32	.017	.011	0.012	.001	.017	.038	.009	.002	.009	.002	.001	.050	
80	62467			410	546		30			OC	73	60	74	69	.13	.20	1.34	.010	.009	0.010	.001	.018	.043	.011	.002	.011	.002	.001	.051	
				397	522		28			OC	65	93	85	81															.37
10	62601			402	524		28			OC	98	63	82	81	.13	.19	1.34	.019	.010	0.016	.001	.018	.043	.013	.001	.010	.001	.002	.049	

CE Marking Certificate Number = 0038/CPR/20050001/A

On behalf of Longs Steel UK Limited, the manufacturer.
These results are certified by Longs Steel UK Limited and comply with the requirements of the Product Description. Z01

R.J.Preston, Test House Manager, Scunthorpe Z02

Any recipient of a copy of a Longs Steel UK Limited Inspection Certificate will contain either an embossed stamp, or be impregnated with a Longs Steel UK Limited watermarked logo, or a combination of both. Registered Number 00438207

This is a True Copy of Original Test Certificate: - 0013230 - Page: 1 of 1

BARRETT Constructional Steel
Barrett Constructional Steel Limited
282 Cutler Heights Lane
Dudley Hill
Bradford
West Yorkshire, BD4 9HU
Tel: 01724 290950 Fax: 01724 290966
www.barrettsteel.com

Customer: ALPINE GROUP (1974) LIMITED
Load Number:
Customer Order Number: S3991/87421/IP
Advice Number: G751611
Material Code: UNIVERSAL BEAM 254 X 146 X 31
Certificate Number: 0013230
Cast Number: 62467
Invoice Number:

Barrett Constructional Steel Limited
282 Cutler Heights Lane
Dudley Hill
Bradford
West Yorkshire, BD4 9HU
Tel: 01724 290950 Fax: 01724 290966
www.barrettsteel.com

Customer:	**ALPINE GROUP (1974) LIMITED**
Load Number:	
Customer Order Number:	**S3991/87421/IP**
Advice Number:	**G751611**
Material Code:	**UNIVERSAL BEAM 254 X 146 X 31**
Certificate Number:	**0013061**
Cast Number:	**02434**
Invoice Number:	

This is a True Copy of Original Test Certificate: - 0013061 - Page: 1 of 5

Material: UNIVERSAL BEAM 254 X 146 X 31 - Certificate: 0013061 - Cast: 02434

A10 **Sales Agent:**
ArcelorMittal Commercial
Long UK Ltd
Fore 2 3rd Floor, Huskisson Way Shirley
SOLIHULL, WEST MIDLANDS B90 4SS

A01 **Plant:**
ArcelorMittal Belval & Differdange
Site de Belval
L-4008 Esch/Alzette

A08 Our reference : 1100413218

A07 Your reference : J001868
17.09.2015
BARRETT CENTRAL DISTRIBUTION LTD

S355J0+ M ACCORDING TO EN 10025-2/2004 SUITABLE FOR GALVANIZING

B02

Inspection certificate according to EN 10204:2004 / 3.1

A02

A04
ArcelorMittal Belval & Differdange
Service Gestion Qualité
66, rue de Luxembourg
L-4009 Esch/Alzette

ArcelorMittal

A05
Certificate Nr X 3125724
Delivery note number 3125724 from 7 October 2015

A03

BARRETT CENTRAL DISTRIBUTION LTD
BRIGG ROAD
SCUNTHORPE
North Lincolnshire
DN16 1BB
UNITED KINGDOM

13061

A06

Ord.item	Product (B01)	Length	Weight (B13)	Heat nr (B07)	Weight	Bund.	Bars (B08)
000005	UB 254 X 146 X 31	15.500 mm	38,568 to	02434	9,642 to		20
				02435	8,195 to		17
				02436	20,731 to		43

Heat analysis (%)

Heat nr (B07)	C	Mn	P	S	Si	N	Cu	Ni	Cr	V	Mo	CEV
Min					**0,14**							
Max	**0,20**	**1,60**	**0,035**	**0,035**	**0,25**	**0,012**	**0,55**					**0,46**
02434	0,10	0,92	0,025	0,026	0,21	0,010	0,32	0,13	0,14	0,002	0,030	0,32
02435	0,09	0,86	0,033	0,026	0,17	0,010	0,38	0,13	0,21	0,003	0,030	0,32
02436	0,10	0,89	0,020	0,018	0,20	0,010	0,34	0,15	0,12	0,002	0,030	0,31

Heat nr (B07)	Tensile test N/mm2 ReH (C11)	Tensile test N/mm2 Rm (C12)	Tensile test 5,65VS A(%) (C13)	Charpy impact test C40 KV UNAGED J Position (C01)	(C02)	mm (C41)	°C (C03)	1 (C42)	2	3	M (C43)
Min	**355**	**470**	**22,00**	**FL.1/3**	**L**		**0**		**14**		**20**
Max		**630**									
02434	413	518	31,05	FL.1/3	L	7,5	0	91	77	77	82
02434				FL.1/3	L	7,5	0	92	95	95	94
02435	396	503	31,34	FL.1/3	L	7,5	0	89	100	100	96
02435	400	508	31,65								
02436	398	506	31,16	FL.1/3	L		0	127	114	114	118

Z05
Intended uses : Building constructions or civil engineering
Durability : No performance determined
Regulated substance : No performance determined
Weldability : according to EN 1011-2
EAF-Steel
Dimension and Shape tolerances :

Klecker Roberto
Porteur de signature spéciale

Z03

Z04
CE
0769
06

Code of the product type: 1.0553 / DOP: AMEB-2/08-CPR-13-1

EN 10168:2004

Barrett Constructional Steel Limited
282 Cutler Heights Lane
Dudley Hill
Bradford
West Yorkshire, BD4 9HU
Tel: 01724 290950 Fax: 01724 290966
www.barrettsteel.com

Customer:	**ALPINE GROUP (1974) LIMITED**
Load Number:	
Customer Order Number:	**S3991/87421/IP**
Advice Number:	**G751611**
Material Code:	**UNIVERSAL BEAM 254 X 146 X 31**
Certificate Number:	**0013061**
Cast Number:	**02434**
Invoice Number:	

A10 **Sales Agent:**
ArcelorMittal Commercial
Long UK Ltd
Fore 2 3rd Floor, Huskisson Way Shirley
SOLIHULL, WEST MIDLANDS B90 4SS

A01 **Plant:**
ArcelorMittal Belval & Differdange
Site de Belval
L-4008 Esch/Alzette

A08 Our reference : 1100413218

A07 Your reference : J001868
17.09.2015
BARRETT CENTRAL DISTRIBUTION LTD

S355J0+ M ACCORDING TO EN 10025-2/2004 SUITABLE FOR GALVANIZING

B02

Inspection certificate according to EN 10204:2004 / 3.1

A02

A04
ArcelorMittal Belval & Differdange
Service Gestion Qualité
66, rue de Luxembourg
L-4009 Esch/Alzette

ArcelorMittal

A05
Certificate Nr X 3125724
Delivery note number 3125724 from 7 October 2015

A03

BARRETT CENTRAL DISTRIBUTION LTD
BRIGG ROAD
SCUNTHORPE
North Lincolnshire
DN16 1BB
UNITED KINGDOM

A06

I- Profiles : EURONORM 19-57 and EN10034
H-Profiles: EURONORM 53-62 and EN10034
Angles I : EN10056 Part 1 and 2
U-Profiles : DIN 1026 and EN 10279
UB-und UC-Profiles und UBP-support piles : BS4 Part 1 and EN10034
Environmental product declaration:EPD-BFS-2010111-E
http://sections.arcelormittal.com/download-center/declaration-o f-performance-cpr-30511.html

Klecker Roberto
Porteur de signature spéciale

Z03

Z04
CE
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06

Code of the product type: 1.0553 / DOP: AMEB-2/08-CPR-13-1

EN 10168:2004

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Customer:	**ALPINE GROUP (1974) LIMITED**
Load Number:	
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Certificate Number:	**0013061**
Cast Number:	**02434**
Invoice Number:	

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Fore 2 3rd Floor, Huskisson Way Shirley
SOLIHULL, WEST MIDLANDS B90 4SS

A01 **Plant:**
ArcelorMittal Belval & Differdange
Site de Belval
L-4008 Esch/Alzette

A08 Our reference : 1100413218
A07 Your reference : J001868
17.09.2015
BARRETT CENTRAL DISTRIBUTION LTD

S355J0+ M ACCORDING TO EN 10025-2/2004 SUITABLE FOR GALVANIZING

B02

Inspection certificate according to EN 10204:2004 / 3.1

A02

A04
ArcelorMittal Belval & Differdange
Service Gestion Qualité
66, rue de Luxembourg
L-4009 Esch/Alzette

ArcelorMittal

A05
Certificate Nr X 3125720
Delivery note number 3125720 from 7 October 2015

A03

BARRETT CENTRAL DISTRIBUTION LTD
BRIGG ROAD
SCUNTHORPE
North Lincolnshire
DN16 1BB
UNITED KINGDOM

12942.

A06

Ord.item	B01 Product	Length	B13 Weight	B07 Heat nr	Weight	Bund.	B08 Bars
000003	UB 254 X 146 X 31	12.500 mm	18,660 to	02433	18,660 to		48
000005	UB 254 X 146 X 31	15.500 mm	24,105 to	02433	11,088 to		23
				02434	13,017 to		27

Heat nr B07		Heat analysis (%) C	Mn	P	S	Si	N	Cu	Ni	Cr	V	Mo	CEV
	Min					**0,14**							
	Max	**0,20**	**1,60**	**0,035**	**0,035**	**0,25**	**0,012**	**0,55**					**0,46**
02433		0,09	0,86	0,027	0,025	0,17	0,010	0,28	0,11	0,13	0,003	0,020	0,29
02434		0,10	0,92	0,025	0,026	0,21	0,010	0,32	0,13	0,14	0,002	0,030	0,32

Heat nr B07		Tensile test N/mm2 ReH C11	N/mm2 Rm C12	5,65VS A(%) C13	Charpy impact test C40 KV Position C01	C02	mm C41	UNAGED °C C03	J 1 C42	2	3	M C43
	Min	**355**	**470**	**22,00**	**FL.1/3**	**L**		**0**		**14**		**20**
	Max		**630**									
02433		397	492	31,38	FL.1/3	L	7,5	0	101	104	104	103
02433		401	497	31,69	FL.1/3	L	7,5	0	102	113	113	109
02434		409	513	30,74	FL.1/3	L	7,5	0	90	77	93	87

Z05
Intended uses : Building constructions or civil engineering
Durability : No performance determined
Regulated substance : No performance determined
Weldability : according to EN 1011-2
EAF-Steel
Dimension and Shape tolerances :
I- Profiles : EURONORM 19-57 and EN10034
H-Profiles: EURONORM 53-62 and EN10034

Klecker Roberto
Porteur de signature spéciale

Z03

Z04
CE
0769
06

Code of the product type: 1.0553 / DOP: AMEB-2/08-CPR-13-1

EN 10168:2004

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Invoice Number:	

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SOLIHULL, WEST MIDLANDS B90 4SS

A01 **Plant:**
ArcelorMittal Belval & Differdange
Site de Belval
L-4008 Esch/Alzette

A04
ArcelorMittal Belval & Differdange
Service Gestion Qualité
66, rue de Luxembourg
L-4009 Esch/Alzette

ArcelorMittal

A05
Certificate Nr X 3125720
Delivery note number 3125720 from 7 October 2015 A03

A08 Our reference : 1100413218
A07 Your reference : J001868
17.09.2015
BARRETT CENTRAL DISTRIBUTION LTD

BARRETT CENTRAL DISTRIBUTION LTD
BRIGG ROAD
SCUNTHORPE
North Lincolnshire
DN16 1BB
UNITED KINGDOM
A06

S355J0+ M ACCORDING TO EN 10025-2/2004 SUITABLE FOR GALVANIZING

B02

Inspection certificate according to EN 10204:2004 / 3.1

A02

Angles L : EN10056 Part 1 and 2
U-Profiles : DIN 1026 and EN 10279
UB-und UC-Profiles und UBP-support piles : BS4 Part 1 and EN10034
Environmental product declaration:EPD-BFS-2010111-E
http://sections.arcelormittal.com/download-center/declaration-o f-performance-cpr-30511.html

Klecker Roberto
Porteur de signature spéciale

Z03

Z04
CE
0769
06

Code of the product type: 1.0553 / DOP: AMEB-2/08-CPR-13-1

EN 10168:2004

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Cast Number:	**02434**
Invoice Number:	

This is a True Copy of Original Test Certificate: - 0013061 - Page: 5 of 5

Material: UNIVERSAL BEAM 254 X 146 X 31 - Certificate: 0013061 - Cast: 02434

A10 **Sales Agent:**
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Long UK Ltd
Fore 2 3rd Floor, Huskisson Way Shirley
SOLIHULL, WEST MIDLANDS B90 4SS

A01 **Plant:**
ArcelorMittal Belval & Differdange
Site de Belval
L-4008 Esch/Alzette

A08 Our reference : 1100413218
A07 Your reference : J001868
17.09.2015
BARRETT CENTRAL DISTRIBUTION LTD

S355J0+ M ACCORDING TO EN 10025-2/2004 SUITABLE FOR GALVANIZING
B02

Inspection certificate according to EN 10204:2004 / 3.1
A02

A04
ArcelorMittal Belval & Differdange
Service Gestion Qualité
66, rue de Luxembourg
L-4009 Esch/Alzette

ArcelorMittal

A05
Certificate Nr X 3125723
Delivery note number 3125723 from 7 October 2015
A03

BARRETT CENTRAL DISTRIBUTION LTD
BRIGG ROAD
SCUNTHORPE
North Lincolnshire
DN16 1BB
UNITED KINGDOM
A06

Ord.item (B01)	Product	Length	Weight (B13)	Heat nr (B07)	Weight	Bund.	Bars (B08)
000005	UB 254 X 146 X 31	15.500 mm	38,568 to	02434	38,568 to		80

Heat nr (B07)	Heat analysis (%) C	Mn	P	S	Si	N	Cu	Ni	Cr	V	Mo	CEV
Min					0,14							
Max	0,20	1,60	0,035	0,035	0,25	0,012	0,55					0,46
02434	0,10	0,92	0,025	0,026	0,21	0,010	0,32	0,13	0,14	0,002	0,030	0,32

Heat nr (B07)	Tensile test N/mm2 ReH (C11)	N/mm2 Rm (C12)	5,65VS A(%) (C13)	Charpy impact test (C40) KV UNAGED J Position (C01)	(C02)	mm (C41)	°C (C03)	1 (C42)	2	3	M (C43)
Min	355	470	22,00	FL.1/3	L		0		14		20
Max		630									
02434	409	513	30,74	FL.1/3	L	7,5	0	91	77	77	82
02434	413	518	31,05								

Z05
Intended uses : Building constructions or civil engineering
Durability : No performance determined
Regulated substance : No performance determined
Weldability : according to EN 1011-2
EAF-Steel
Dimension and Shape tolerances :
I- Profiles : EURONORM 19-57 and EN10034
H-Profiles: EURONORM 53-62 and EN10034
Angles I : EN10056 Part 1 and 2
U-Profiles : DIN 1026 and EN 10279
UB-und UC-Profiles und UBP-support piles : BS4 Part 1 and EN10034
Environmental product declaration:EPD-BFS-2010111-E
http://sections.arcelormittal.com/download-center/declaration-o f-performance-cpr-30511.html

Klecker Roberto
Porteur de signature spéciale
Z03

Z04
CE
0769
06

Code of the product type: 1.0553 / DOP: AMEB-2/08-CPR-13-1

EN 10168:2004

Barrett Constructional Steel Limited
282 Cutler Heights Lane
Dudley Hill
Bradford
West Yorkshire, BD4 9HU
Tel: 01724 290950 Fax: 01724 290966
www.barrettsteel.com

Customer:	**ALPINE GROUP (1974) LIMITED**
Load Number:	
Customer Order Number:	**S3991/87421/IP**
Advice Number:	**G751611**
Material Code:	**UNIVERSAL BEAM 406 X 140 X 39**
Certificate Number:	**0013903**
Cast Number:	**162230**
Invoice Number:	

13903

A01

ArcelorMittal Gipuzkoa, S.L.U.
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 ER Empresa Registrada ER-0036/1992

ArcelorMittal

MILL TEST CERTIFICATE

OLA P-47573

DISCHARGE ADDRESS	CUSTOMER
ArcelorMittal Commercial Sections S **Grove Wharf DN15-8UA** **Gunness (S. Humberside)** **GRAN BRETAÑA**	**BARRETT CENTRAL DISTRIBUTION LTD** BRIGG ROAD SCUNTHORPE 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
	GUNNESS BARRET	**LADY ANNEKE**

OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
P1704995	**E-53243/1100416757**	**J001925**	**10/12/2015**

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 406x140x39	**11**	**19**	**6**	**114**	**2574**	**48.906**	**162229,162230**
U BEAMS 406x140x39	**12,5**	**17**	**6**	**102**	**2925**	**49.725**	**162231,162232,162233, 162234**
U BEAMS 406x140x39	**17,5**	**4**	**5**	**20**	**3413**	**13.652**	**162232,162233**
U BEAMS 406x140x39	**18,3**	**7**	**5**	**35**	**3569**	**24.983**	**162233**
U BEAMS 406x140x46	**10**	**5**	**6**	**30**	**2760**	**13.800**	**162221**
U BEAMS 406x140x46	**11**	**5**	**6**	**30**	**3036**	**15.180**	**162221**
U BEAMS 406x140x46	**12,5**	**7**	**6**	**42**	**3450**	**24.150**	**162217**
U BEAMS 406x140x46	**18,3**	**6**	**5**	**30**	**4209**	**25.254**	**162221**

TOTAL BUNDLES **70** TOTAL WEIGHT **215.650 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-406x140x39	162229	,07	,77	,23	,020	,021	,009	,045	,220	,330	,290	,045	,003						,30
UB-406x140x39	162230	,10	,72	,18	,018	,022	,008	,044	,110	,400	,210	,034	,003						,30
UB-406x140x39	162231	,09	,75	,19	,021	,027	,009	,046	,120	,380	,200	,037	,003						,30
UB-406x140x39	162232	,09	,82	,22	,027	,026	,008	,044	,190	,460	,180	,030	,003						,32
UB-406x140x39	162233	,09	,70	,20	,019	,023	,008	,042	,180	,330	,210	,036	,003						,30
UB-406x140x39	162234	,10	,72	,19	,019	,023	,009	,046	,140	,330	,180	,027	,003						,29
UB-406x140x46	162217	,09	,70	,18	,023	,026	,008	,046	,120	,400	,190	,031	,003						,28
UB-406x140x46	162221	,09	,75	,18	,024	,021	,008	,046	,120	,320	,180	,026	,003						,29

Material: UNIVERSAL BEAM 406 X 140 X 39 - Certificate: 0013903 - Cast: 162230

Barrett Constructional Steel Limited
282 Cutler Heights Lane
Dudley Hill
Bradford
West Yorkshire, BD4 9HU
Tel: 01724 290950 Fax: 01724 290966
www.barrettsteel.com

Customer:	**ALPINE GROUP (1974) LIMITED**
Load Number:	
Customer Order Number:	**S3991/87421/IP**
Advice Number:	**G751611**
Material Code:	**UNIVERSAL BEAM 457 X 152 X 60**
Certificate Number:	**0013813**
Cast Number:	**162002**
Invoice Number:	

13810
13811
13812
ArcelorMittal
13813

A01

ArcelorMittal Gipuzkoa, S.L.U.
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 ER Empresa Registrada ER-0036/1992

MILL TEST CERTIFICATE

OLA P-47442

DISCHARGE ADDRESS	CUSTOMER
ArcelorMittal Commercial Sections S **Grove Wharf DN15-8UA** **Gunness (S. Humberside)** **GRAN BRETAÑA**	**BARRETT CENTRAL DISTRIBUTION LTD** BRIGG ROAD SCUNTHORPE 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
	GUNNESS BARRET	**SUDERAU**

OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
P1704995	**E-53447/1100418578**	**J001978**	**30/11/2015**

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 457x152x52	**9,5**	**5**	**6**	**30**	**2981**	**14.905**	**162005**
U BEAMS 457x152x52	**12,5**	**6**	**6**	**36**	**3923**	**23.538**	**162003,162004**
U BEAMS 457x152x52	**15,5**	**12**	**5**	**60**	**4053**	**48.636**	**162003**
U BEAMS 457x152x60	**15,5**	**5**	**5**	**25**	**4635**	**23.175**	**162002**
U BEAMS 457x152x74	**18,3**	**2**	**3**	**6**	**4074**	**8.148**	**161998**

TOTAL BUNDLES **30** TOTAL WEIGHT **118.402 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-457x152x52	162003	,09	,72	,20	,025	,022	,009	,044	,140	,290	,160	,020	,003						,28
UB-457x152x52	162004	,09	,75	,20	,019	,020	,009	,042	,220	,250	,150	,020	,003						,30
UB-457x152x52	162005	,10	,72	,22	,028	,026	,008	,047	,230	,290	,150	,019	,003						,31
UB-457x152x60	162002	,10	,73	,21	,023	,020	,009	,047	,130	,280	,150	,017	,003						,29
UB-457x152x74	161998	,08	,74	,20	,019	,022	,008	,043	,170	,280	,130	,017	,003						,28

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
UB-457x152x52	162003	382	483	29,4		0º	7,5	179	134	170	161
UB-457x152x52	162004	390	501	32,2		0º	7,5	167	175	180	174
UB-457x152x52	162005	389	495	31,4		0º	7,5	139	135	132	135
UB-457x152x60	162002	376	487	33,		0º	10	186	207	167	187
UB-457x152x74	161998	364	481	30,9		0º	10	158	151	84	131

Barrett Constructional Steel Limited
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West Yorkshire, BD4 9HU
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Customer:	**ALPINE GROUP (1974) LIMITED**
Load Number:	
Customer Order Number:	**S3991/87421/IP**
Advice Number:	**G751611**
Material Code:	**UNIVERSAL BEAM 457 X 152 X 60**
Certificate Number:	**0013813**
Cast Number:	**162002**
Invoice Number:	

Material: UNIVERSAL BEAM 457 X 152 X 60 - Certificate: 0013813 - Cast: 162002

A01

ArcelorMittal Gipuzkoa, S.L.U.
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 ER Empresa Registrada ER-0036/1992

ArcelorMittal

MILL TEST CERTIFICATE

OLA P-47442

5 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

Lorenzo Zabala

Barrett Constructional Steel Limited
282 Cutler Heights Lane
Dudley Hill
Bradford
West Yorkshire, BD4 9HU
Tel: 01724 290950 Fax: 01724 290966
www.barrettsteel.com

Customer:	**ALPINE GROUP (1974) LIMITED**
Load Number:	
Customer Order Number:	**S3991/87421/IP**
Advice Number:	**G751611**
Material Code:	**UNIVERSAL BEAM 457 X 152 X 60**
Certificate Number:	**0014573**
Cast Number:	**162601**
Invoice Number:	

This is a True Copy of Original Test Certificate: - 0014573 - Page: 1 of 1

Material: UNIVERSAL BEAM 457 X 152 X 60 - Certificate: 0014573 - Cast: 162601

14571 14572 14573

A01

ArcelorMittal Gipuzkoa, S.L.U.
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 ER Empresa Registrada ER-0036/1992

ArcelorMittal

MILL TEST CERTIFICATE

OLA P-47956

DISCHARGE ADDRESS	CUSTOMER
ArcelorMittal Commercial Sections S Grove Wharf DN15-8UA Gunness (S. Humberside) GRAN BRETAÑA	**BARRETT CENTRAL DISTRIBUTION LTD** BRIGG ROAD SCUNTHORPE GRAN BRETAÑA

SHIPPED AND CERTIFIED BY	CREDIT NUMBER	PORT OF LOADING
ARCELORMITTAL OLABERRIA CARRETERA MADRID - IRUN KM. 419 20212 OLABERRIA (Guipuzcoa) TELEF. (943) 80 50.00 - FAX (943) 88.04.04		**PASAJES, SPAIN**
	PORT OF DISCHARGE	VESSEL
	GUNNESS BARRET	**PANDA**

OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
P1704995	**E-53689/1100421119**	**J002012**	**15/01/2016**

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 457x152x60	**11**	**4**	**6**	**24**	**3947**	**15.788**	**162601**
U BEAMS 457x152x60	**14**	**4**	**5**	**20**	**4186**	**16.744**	**162599,162600**
U BEAMS 457x152x60	**15,5**	**5**	**5**	**25**	**4635**	**23.175**	**162601**
U BEAMS 457x152x60	**17,5**	**6**	**4**	**24**	**4186**	**25.116**	**162600,162601**

TOTAL BUNDLES **19** TOTAL WEIGHT **80.823 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-457x152x60	162599	,09	,75	,22	,028	,030	,008	,045	,130	,300	,170	,027	,003					,29
UB-457x152x60	162600	,09	,75	,20	,020	,025	,008	,044	,130	,330	,160	,025	,003					,29
UB-457x152x60	162601	,09	,72	,21	,016	,022	,008	,043	,200	,310	,150	,068	,003					,30

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	B06	C11	C12	C13	C50	C03	C40/41	C42			C43
UB-457x152x60	162599	382	500	28,		0°	10	82	51	110	81
UB-457x152x60	162600	377	488	31,1		0°	10	72	103	41	72
UB-457x152x60	162601	381	500	30,2		0°	10	36	36	34	35

3 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

Lorenzo Zabala