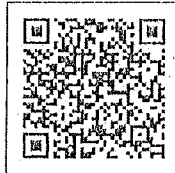


ArcelorMittal Gipuzkoa, S.L.U.
 Long Carbon Europe
 CARRETERA MADRID - IRUN, KM. 419
 20212 OLABERRIA (Gipuzcoa)
 TELEF. (943) 80.50.00 - FAX (943) 88.04.04



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MILL TEST CERTIFICATE

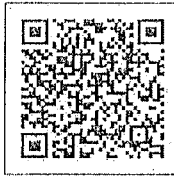
OLA P-31568

DISCHARGE ADDRESS		CUSTOMER	
Abinsa S.A.de C.V. Ave. Adolfo Lopez Mateos K.M. 6.5 San Nicolas de Los Garza MEXICO		Abinsa S.A.de C.V. Ave. Adolfo Lopez Mateos K.M. 6.5 San Nicolas de Los Garza MEXICO	
SHIPPED AND CERTIFIED BY		CREDIT NUMBER	PORT OF LOADING
ARCELORMITTAL OLABERRIA CARRETERA MADRID - IRUN, KM. 419 20212 OLABERRIA (Gipuzcoa) TELEF. (943) 80.50.00 - FAX (943) 88.04.04			BILBAO, SPAIN
		PORT OF DISCHARGE	VESSEL
		ALTAMIRA	ARUBABORG
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
Irgonzalez	01-E-41372 / 1700014614	27483	31/05/2012

WIDE FLANGE BEAMS

SIZE	LENGTH	BUNDLES	PIECES BUNDLES	TOTAL PIECES	WEIGHT BUNDLES	TOTAL WEIGHT	HEAT
+RED/YELLOW							
WF BEAMS 6x20	40'	2	12	24	4354	8.708	138646,138651
WF BEAMS 8x18	40'	11	14	154	4573	50.303	138678,138679,138680
WF BEAMS 8x21	40'	13	12	156	4572	59.436	138654,138688,138689
WF BEAMS 8x24	40'	18	10	180	4355	78.390	138411,138412,138413,138414
WF BEAMS 8x31	40'	2	8	16	4499	8.998	138384
WF BEAMS 10x12	40'	8	18	144	3919	31.352	138536,138537,138540,138542,138543
WF BEAMS 10x15	40'	4	18	72	4898	19.592	138567,138569,138571
WF BEAMS 10x17	40'	2	16	32	4935	9.870	138612,138613
WF BEAMS 10x19	40'	4	14	56	4827	19.308	138623
WF BEAMS 10x22	40'	15	12	180	4790	71.850	138692,138693,138696
WF BEAMS 10x26	40'	21	10	210	4717	99.057	138698,138699,138700
WF BEAMS 10x30	40'	1	4	4	2177	2.177	137398
WF BEAMS 10x30	40'	11	8	88	4355	47.905	138701,138702
WF BEAMS 10x33	40'	8	8	64	4790	38.320	138333,138334,138535
WF BEAMS 12x14	40'	7	18	126	4571	31.997	138733,138734,138763
WF BEAMS 12x16	40'	4	18	72	5225	20.900	138767,138769,138770
WF BEAMS 12x19	40'	6	14	84	4827	28.962	138771,138773,138775
WF BEAMS 12x22	40'	6	12	72	4790	28.740	138830,138833,138834,138835,138836
WF BEAMS 12x26	40'	32	10	320	4717	150.944	138832,138836,138838,138839,138840
WF BEAMS 12x30	40'	18	8	144	4355	78.390	138818,138820,138821,138825
WF BEAMS 12x35	40'	12	8	96	5081	60.972	138826,138828,138830,138831

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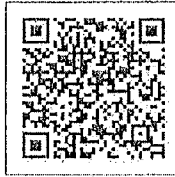
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MILL TEST CERTIFICATE

OLA P-31568

SIZE	LENGTH	BUNDLES	PIECES BUNDLES	TOTAL PIECES	WEIGHT BUNDLES	TOTAL WEIGHT	HEAT
WF BEAMS 12x40	40'	14	6	84	4355	60.970	138772,138773,138774
WF BEAMS 12x45	40'	6	6	36	4899	29.394	138776
WF BEAMS 12x50	40'	6	6	36	5443	32.658	138777,138779,138780
WF BEAMS 14x22	40'	13	12	156	4790	62.270	138821,138827,138841, 138846,138848
WF BEAMS 14x26	40'	4	10	40	4717	18.868	138853
WF BEAMS 14x30	40'	14	8	112	4355	60.970	138847,138850
WF BEAMS 14x34	40'	4	8	32	4935	19.740	138855
WF BEAMS 14x38	40'	2	6	12	4137	8.274	137895
WF BEAMS 14x48	40'	2	6	12	5225	10.450	137705,137706
WF BEAMS 16x26	40'	7	6	42	2830	19.810	138638,138640
WF BEAMS 16x31	40'	9	6	54	3375	30.375	138641,138643
WF BEAMS 16x36	40'	18	5	90	3266	58.788	138617,138618,138619, 138620
WF BEAMS 16x40	40'	6	5	30	3629	21.774	138624,138625
WF BEAMS 16x45	40'	5	5	25	4082	20.410	138628,138629
WF BEAMS 16x50	40'	7	5	35	4536	31.752	138630,138631
WF BEAMS 16x57	40'	2	5	10	5171	10.342	138636
WF BEAMS 16x67	40'	3	3	9	3647	10.941	138262,138416
WF BEAMS 18x35	40'	5	6	30	3810	19.050	138555,138556
WF BEAMS 18x40	40'	2	6	12	4355	8.710	138561
WF BEAMS 18x46	40'	2	6	12	5008	10.016	134114,135626
WF BEAMS 18x50	40'	8	4	32	3629	29.032	138539
WF BEAMS 18x55	40'	3	4	12	3992	11.976	138544,138545
WF BEAMS 18x60	40'	5	4	20	4354	21.770	138569,138570
WF BEAMS 18x65	40'	13	4	52	4717	61.321	138533,138534
WF BEAMS 18x71	40'	2	4	8	5153	10.306	138207
WF BEAMS 18x76	40'	17	3	51	4137	70.329	138432,138433,138434, 138435,138436,138437, 138438,138439
WF BEAMS 18x86	40'	43	2	86	3121	134.203	138441,138442,138443, 138444,138445
WF BEAMS 21x44	40'	5	5	25	3992	19.960	134805,138112,138113, 138114
WF BEAMS 21x50	40'	3	5	15	4536	13.608	122740,135769
WF BEAMS 24x55	40'	4	5	20	4990	19.960	138340,138392
WF BEAMS 24x68	40'	5	3	15	3701	18.505	137720,137721,138064
WF BEAMS 24x76	40'	5	3	15	4137	20.685	138921,138922
WF BEAMS 24x84	40'	4	3	12	4572	18.288	138912
WF BEAMS 24x94	40'	1	1	1	1706	1.706	137630,137631

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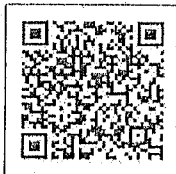
MILL TEST CERTIFICATE

OLA P-31568

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% LO=8"	
<small>B11</small>	<small>B08</small>	<small>G11</small>		<small>G12</small>		<small>C13</small>	
W-10x12	138537	430	426	544	548	22,7	21,9
W-10x12	138540	429	417	579	573	22,7	22,2
W-10x12	138542	397	397	560	554	22,3	22,2
W-10x12	138543	394	381	569	547	23,2	23,2
W-10x15	138567	390	375	569	563	23,3	22,8
W-10x15	138569	403	389	546	540	22,9	22,4
W-10x15	138571	437	437	568	554	22,6	22,1
W-10x17	138612	454	442	577	575	26,7	26,1
W-10x17	138613	415	413	552	534	23,6	22,8
W-10x19	138623	436	418	557	545	22,4	22,
W-10x22	138692	406	392	536	534	22,1	22,
W-10x22	138693	412	399	570	562	22,3	22,1
W-10x22	138696	396	394	552	534	23,	22,7
W-10x26	138698	430	416	550	540	22,5	22,4
W-10x26	138699	412	406	530	528	22,7	22,6
W-10x26	138700	408	398	535	529	22,4	22,4
W-10x30	137398	390	387	521	499	22,8	22,4
W-10x30	138701	405	397	536	532	22,9	22,6
W-10x30	138702	408	392	552	540	23,4	22,7
W-10x33	138333	412	396	532	532	23,7	23,5
W-10x33	138334	399	393	524	510	23,5	23,3
W-10x33	138535	409	405	541	539	24,8	24,4
W-12x14	138733	424	420	547	543	22,6	22,5
W-12x14	138734	434	420	575	567	22,1	22,1
W-12x14	138763	417	413	541	531	22,7	22,1
W-12x16	138767	416	410	546	524	22,3	21,9
W-12x16	138769	414	404	539	519	23,8	23,1
W-12x16	138770	425	419	557	535	22,9	22,6
W-12x19	138771	449	439	570	564	22,2	22,
W-12x19	138773	447	429	581	577	22,5	22,1
W-12x19	138775	437	419	583	567	22,6	22,2
W-12x22	138830	400	393	541	532	22,5	22,7
W-12x22	138833	412	412	566	562	22,9	22,6
W-12x22	138834	422	406	543	546	23,	22,1
W-12x22	138835	401	397	527	521	22,4	22,6
W-12x22	138836	422	406	556	546	22,3	22,1
W-12x26	138832	390	380	526	516	22,8	22,7
W-12x26	138836	384	374	555	545	22,8	22,3
W-12x26	138838	420	408	577	567	24,1	23,5
W-12x26	138839	415	405	569	558	23,5	23,2
W-12x26	138840	413	410	576	560	22,8	22,5
W-12x30	138818	390	395	540	551	23,3	23,1
W-12x30	138820	388	374	581	561	23,5	23,1
W-12x30	138821	398	392	572	550	22,6	22,2
W-12x30	138825	411	399	569	561	22,6	22,2
W-12x35	138826	399	387	594	568	23,7	22,9
W-12x35	138828	395	386	554	534	24,5	24,1
W-12x35	138830	400	391	574	561	22,9	22,4

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MILL TEST CERTIFICATE

OLA P-31568

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% L0=8"	
<small>G11</small>	<small>D08</small>	<small>G11</small>		<small>G12</small>		<small>G13</small>	
W-12x35	138831	402	392	584	582	23,7	23,3
W-12x40	138772	436	431	572	557	22,7	22,3
W-12x40	138773	418	414	564	547	25,4	25,
W-12x40	138774	435	434	568	557	22,5	22,2
W-12x45	138776	403	399	534	527	22,2	21,9
W-12x50	138777	400	392	525	509	22,8	22,2
W-12x50	138779	396	385	541	528	22,6	22,1
W-12x50	138780	395	386	545	532	22,5	22,1
W-14x22	138821	393	392	595	596	22,8	22,7
W-14x22	138827	399	385	590	588	22,2	22,2
W-14x22	138841	392	382	596	600	22,7	22,2
W-14x22	138846	402	394	572	552	21,7	21,5
W-14x22	138848	378	381	595	573	18,5	28,7
W-14x26	138853	379	377	575	571	21,9	21,4
W-14x30	138847	400	390	572	559	22,	21,4
W-14x30	138850	393	386	605	584	22,2	22,1
W-14x34	138855	405	412	547	568	22,4	24,4
W-14x38	137895	426	412	574	568	25,1	24,4
W-14x48	137705	377	376	502	499	25,3	24,6
W-14x48	137706	395	379	520	520	22,8	22,5
W-16x26	138638	427	411	555	553	22,6	22,1
W-16x26	138640	437	435	568	544	22,3	21,8
W-16x31	138641	436	432	578	556	22,3	21,9
W-16x31	138643	448	442	539	539	22,8	22,2
W-16x36	138617	424	410	550	524	22,5	22,
W-16x36	138618	412	412	529	515	22,8	22,1
W-16x36	138619	444	436	559	559	22,9	22,2
W-16x36	138620	433	427	572	558	22,4	21,6
W-16x40	138624	429	423	562	540	22,4	21,9
W-16x40	138625	427	409	564	562	22,6	22,4
W-16x45	138628	418	409	523	521	22,9	22,6
W-16x45	138629	427	423	542	537	22,5	21,8
W-16x50	138630	404	402	529	507	24,6	24,3
W-16x50	138631	416	410	535	515	24,5	23,7
W-16x57	138636	401	395	527	509	24,2	23,9
W-16x67	138262	419	409	538	522	22,7	22,2
W-16x67	138416	409	416	529	532	22,4	22,5
W-18x35	138555	415	411	538	522	23,4	23,1
W-18x35	138556	409	403	528	506	22,3	21,7
W-18x40	138561	411	397	538	514	22,3	22,1
W-18x46	135626	410	402	578	563	22,2	22,2
W-18x50	138539	405	401	532	518	23,5	23,3
W-18x55	138544	399	394	536	526	22,8	22,1
W-18x55	138545	405	395	528	524	23,7	23,
W-18x60	138569	397	395	530	506	26,	25,4
W-18x60	138570	412	404	541	523	24,1	24,
W-18x65	138533	409	401	534	531	23,	22,5
W-18x65	138534	415	413	545	529	22,9	22,7

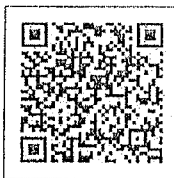
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Long Carbon Europe

CARRETERA MADRID - IRUN, KM. 419.

20212 OLABERRIA (Guipúzcoa)

TELEF. (943) 80.50.00 - FAX (943) 83.04.04



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MILL TEST CERTIFICATE

OLA P-31568

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% LO=8"	
D11	B02	C11		C12		C13	
W-18x71	138207	421	407	558	534	23,9	23,9
W-18x76	138432	420	426	542	539	23,9	23,8
W-18x76	138433	425	421	556	538	23,2	23,
W-18x76	138434	421	407	539	521	24,4	24,1
W-18x76	138435	431	423	563	555	23,9	23,3
W-18x76	138436	427	413	556	544	24,9	24,3
W-18x76	138437	410	404	547	535	23,5	23,3
W-18x76	138438	412	406	544	521	24,2	23,3
W-18x76	138439	423	423	554	536	25,8	25,4
W-18x86	138441	403	391	530	516	25,3	24,8
W-18x86	138442	411	408	541	536	23,6	23,4
W-18x86	138443	406	394	522	522	24,6	24,
W-18x86	138444	409	406	540	542	23,1	23,9
W-18x86	138445	410	412	537	533	23,5	23,7
W-21x44	134805	423	421	540	520	22,9	22,2
W-21x44	138112	415	415	554	548	23,	22,4
W-21x44	138113	435	417	553	549	24,1	23,5
W-21x44	138114	421	411	549	543	23,8	23,7
W-21x50	122740	427	423	545	527	24,	23,4
W-21x50	135769	374	362	554	534	23,4	22,6
W-24x55	138340	415	401	528	504	24,8	24,7
W-24x55	138392	400	405	513	510	24,1	23,9
W-24x68	137720	448	438	570	548	23,3	23,
W-24x68	138064	429	417	519	513	24,4	24,4
W-24x76	138921	452	449	561	552	24,4	24,
W-24x84	138912	440	439	552	548	23,3	22,3
W-24x94	137630	371	364	501	489	23,4	22,5
W-24x94	137631	376	362	508	500	25,2	24,4
W-24x94	138919	441	435	561	543	23,1	22,5
W-6x20	138646	422	420	559	535	22,4	21,9
W-6x20	138651	430	414	561	536	22,4	21,7
W-8x18	138678	433	429	562	545	22,1	21,9
W-8x18	138679	423	423	559	537	22,7	22,4
W-8x18	138680	426	416	547	545	22,9	22,2
W-8x21	138654	403	405	512	540	22,7	29,9
W-8x21	138688	401	397	533	529	22,7	22,
W-8x21	138689	417	401	533	525	23,1	23,1
W-8x24	138411	414	404	538	522	24,2	23,7
W-8x24	138412	424	417	578	554	23,7	22,9
W-8x24	138413	420	410	574	564	23,9	23,1
W-8x24	138414	412	410	550	540	28,5	28,2
W-8x31	138384	412	408	534	520	23,7	23,

133 análisis

Z01

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

B06: Marca AMO

Lorenzo Zabala