

ARCELOR PERFILES MADRID

CARRETERA TOLEDO, N-401 - KM. 9,200
28021 VILLAVERDE (Madrid)
TELEF. (91) 797.23.00 - FAX (91) 795.31.81

QUALITY CERTIFICATE

APS P-6370

DISCHARGE ADDRESS		CUSTOMER	
ARCELOR INTERNACIONAL MEXICO, S.A. DE C.V. CERRO DE LAS CAMPANAS,3 T.2 DESP.403-404 DES.403-404COL.S.ANDRES ATENCO 54040 TLALNEPANTLA - MEXICO		ARCELOR INTERNACIONAL MEXICO, S.A. DE C.V. CERRO DE LAS CAMPANAS,3 T.2 DESP.403-404 DES.403-404COL.S.ANDRES ATENCO 54040 TLALNEPANTLA - MEXICO	
SHIPPED AND CERTIFIED BY		CREDIT NUMBER	PORT OF LOADING
ARCELOR PERFILES MADRID CARRETERA TOLEDO, N-401 - KM. 9,200 28021 VILLAVERDE (Madrid) TELEF. (91) 797.23.00 - TELEX 22120 - 49632			BILBAO, SPAIN
		PORT OF DISCHARGE	VESSEL
		VERACRUZ (MEXICO)	AZTECA
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
igomez	E-15343 Lot: 2	STOCK	14/02/2006

Material: WF Vigas, calidad DUAL ASTM A-36/A 572 Gr. 50

El exportador de los productos incluidos en el presente documento,
Autorización aduanera no.

ARCELOR PERFILES MADRID, S.L. ES/28/0047/03

Declara que, salvo indicación en sentido contrario, estos
productos gozan de un origen preferencial ESPAÑA

SIZE	LENGTH	BUNDLES	PIECES BUNDLES	TOTAL PIECES	WEIGHT BUNDLES	TOTAL WEIGHT	HEAT
WF BEAMS 18x106	40'	9	3	27	5770	51.930	65391,65393,65848
WF BEAMS 18x119	40'	12	2	24	4318	51.816	65142,65155,65180,65181,65364,65389,65390
WF BEAMS 18x76	40'	9	4	36	5516	49.644	65393,65394,65395
WF BEAMS 18x86	40'	11	3	33	4681	51.491	65412,65414,65417,65810

TOTAL BUNDLES 41

TOTAL WEIGHT 204.881 Kg.

A02 EN 10204/3.1.b

ASTM A36 - A572 G50/A6

(B01/B02/B03) A03

MATERIAL SIZE	COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)															
		C	Mn	Si	P	S	N	V	Cr	Ni	Mo	Cu	Nb	Al	Ti	Cev	
W-18x106	65391	,08	,79	,20	,016	,030	,010	,002	,082	,111	,019	,530	,018	,002	,002	,28	
W-18x106	65393	,09	,85	,21	,013	,016	,011	,002	,094	,112	,022	,416	,018	,003	,002	,29	
W-18x106	65848	,08	,89	,23	,014	,020	,010	,002	,092	,103	,017	,479	,019	,002	,002	,29	
W-18x119	65142	,09	,98	,24	,013	,019	,011	,003	,043	,074	,016	,292	,019	,002	,002	,29	
W-18x119	65155	,10	,89	,21	,012	,013	,010	,002	,082	,087	,016	,374	,017	,003	,002	,30	
W-18x119	65180	,09	,83	,21	,017	,017	,010	,003	,102	,094	,020	,443	,017	,003	,002	,29	
W-18x119	65181	,08	,81	,23	,018	,021	,011	,002	,101	,096	,020	,431	,017	,003	,002	,27	
W-18x119	65364	,09	,81	,21	,023	,023	,010	,003	,082	,140	,024	,497	,017	,002	,002	,29	
W-18x119	65389	,08	,78	,21	,020	,023	,010	,003	,118	,144	,022	,523	,016	,002	,002	,29	
W-18x119	65390	,09	,84	,18	,024	,021	,009	,003	,179	,132	,026	,518	,019	,002	,002	,31	
W-18x76	65393	,09	,85	,21	,013	,016	,011	,002	,094	,112	,022	,416	,018	,003	,002	,29	

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C70:E MATERIAL SIZE	COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)															
		C	Mn	Si	P	S	N	V	Cr	Ni	Mo	Cu	Nb	Al	Ti		Cev
B11	B06	C71	C72	C73	C74	C75	C76	C77	C78								
W-18x76	65394	,09	,77	,17	,014	,022	,010	,002	,113	,113	,019	,428	,016	,002	,002		,28
W-18x76	65395	,09	,77	,18	,018	,016	,009	,003	,130	,118	,021	,459	,017	,002	,002		,29
W-18x86	65412	,09	,89	,23	,019	,016	,010	,002	,117	,110	,021	,476	,020	,003	,002		,30
W-18x86	65414	,08	,78	,21	,020	,016	,011	,003	,096	,150	,027	,505	,017	,002	,002		,28
W-18x86	65417	,08	,81	,22	,020	,025	,012	,002	,114	,110	,019	,490	,019	,002	,002		,29
W-18x86	65810	,09	,89	,24	,020	,019	,011	,003	,075	,115	,020	,565	,020	,003	,002		,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							
W-18x106	65391	357	482	21,1													
W-18x106	65393	358	480	22,1													
W-18x106	65848	352	488	25,1													
W-18x119	65142	352	476	21,2													
W-18x119	65155	356	473	23,1													
W-18x119	65180	354	477	21,2													
W-18x119	65181	361	479	22,5													
W-18x119	65364	372	483	22,3													
W-18x119	65389	370	488	21,2													
W-18x119	65390	369	495	20,9													
W-18x76	65393	384	484	22,1													
W-18x76	65394	367	472	23,2													
W-18x76	65395	373	480	23,2													
W-18x86	65412	372	472	23,2													
W-18x86	65414	359	479	22,8													
W-18x86	65417	365	474	24,1													
W-18x86	65810	363	474	24,8													

Z01

17 análisis

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

B06: Marca APM


Javier Aseguiñolaza