

ArcelorMittal Madrid, S.L.
 Long Carbon Steel Europe
 CARRETERA TOLEDO, N-401 - KM. 9,200
 28021 VILLAVERDE (Madrid)
 TELEF. (91) 797.23.00 - FAX (91) 795.31.81



QUALITY CERTIFICATE

MAD P-10953

DISCHARGE ADDRESS		CUSTOMER	
Plesa Anahuac Y Cias, S.A. de C.V. Av. Valle de las Alamedas 66-O Col. S. Francisco Chilpan, Tul MEXICO		Plesa Anahuac Y Cias, S.A. de C.V. Av. Valle de las Alamedas 66-O Col. S. Francisco Chilpan, Tul MEXICO	
SHIPPED AND CERTIFIED BY		CREDIT NUMBER	PORT OF LOADING
ARCELORMITTAL MADRID, S.L. CARRETERA TOLEDO, N-401 - KM. 9,200 28021 VILLAVERDE (Madrid) TELEF. (91) 797.23.00 - TELEX 22120 - 49632 ARIS			BILBAO, SPAIN
		PORT OF DISCHARGE	VESSEL
		VERACRUZ	STINNES PASSAT
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
FTRUCHARTE	05-E-16561 / 1700010602	7976	12/05/2010

Material: WF Vigas,

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

ARCELORMITTAL 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
+/RED							
WF BEAMS 18x35	40'	7	7	49	4446	31.122	81579,81597,81598, 81599
WF BEAMS 18x40	40'	12	7	84	5081	60.972	81602,81603
WF BEAMS 18x71	40'	12	4	48	5153	61.836	80799,81603,81604, 81605
WF BEAMS 18x76	40'	11	4	44	5516	60.676	80895,80896,81599, 81600,81603
WF BEAMS 18x86	40'	13	3	39	4681	60.853	80887,81534,81597, 81619,81689,81690
WF BEAMS 18x65	40'	17	5	85	5897	100.249	81606,81607,81608, 81609

TOTAL BUNDLES 72

TOTAL WEIGHT 375.708 Kg.

A02 EN 10204/3.1

A03

CSA G40.21 50W/ASTM A36-04/A572 G50-04/A992-04/A6-04

(B01/B02/B03)

MATERIAL SIZE	COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)													PROPIEDADES MECANICAS MECHANICAL PROPERTIES			
		C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn	CEV	ReH MPa	Rm MPa	A% LO=8"	Doblad. 180°
B11	B08	C71	C72	C73	C74	C75	C76							C11	C12	C13	C50	
W-18x35	81579	,098	,899	,215	,011	,006	,003	,078	,084	,016	,347	,018	,032	,296	383	492	21,1	
W-18x35	81597	,103	,766	,202	,013	,012	,002	,092	,102	,018	,381	,016	,036	,285	383	495	21,7	
W-18x35	81598	,089	,847	,212	,015	,022	,003	,106	,096	,018	,348	,015	,034	,285	373	480	23,3	
W-18x35	81599	,077	,909	,228	,012	,013	,003	,086	,107	,019	,398	,017	,032	,284	374	483	22,3	
W-18x40	81602	,088	,895	,231	,014	,014	,003	,089	,097	,016	,425	,017	,033	,294	378	499	20,4	
W-18x40	81603	,086	,861	,212	,015	,012	,003	,114	,095	,017	,397	,017	,030	,289	371	483	22,6	

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A02 EN 10204/3.1		A03																
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		(B01/B02/B03)																
C70:E MATERIAL SIZE	COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)												PROPIEDADES MECANICAS MECHANICAL PROPERTIES				
		C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn	CEV	ReH MPa	Rm MPa	A% LO=8"	Doblad. 180°
B11	B03	C11	C12	C13	C14	C15	C16								C11	C12	C13	C14
W-18x65	81606	,092	,822	,233	,011	,016	,003	,105	,104	,016	,374	,017	,023	,286	373	482	26,5	
W-18x65	81607	,094	,831	,223	,010	,009	,003	,103	,080	,015	,369	,017	,045	,287	365	470	26,8	
W-18x65	81608	,093	,885	,230	,011	,009	,003	,099	,094	,019	,358	,018	,043	,295	374	476	29,7	
W-18x65	81609	,093	,795	,209	,020	,013	,003	,132	,091	,021	,350	,017	,031	,286	370	480	26,5	
W-18x71	80799	,100	1,167	,206	,023	,019	,004	,102	,091	,018	,330	,016	,034	,347	387	507	22,4	
W-18x71	81603	,086	,861	,212	,015	,012	,003	,114	,095	,017	,397	,017	,030	,289	375	484	24,	
W-18x71	81604	,100	,803	,205	,018	,013	,003	,141	,112	,021	,420	,017	,035	,302	361	474	24,5	
W-18x71	81605	,086	,859	,201	,015	,020	,003	,106	,089	,016	,386	,018	,025	,286	375	478	22,5	
W-18x76	80895	,113	1,115	,187	,014	,013	,003	,065	,108	,017	,331	,016	,044	,345	382	507	22,2	
W-18x76	80896	,093	1,149	,213	,019	,019	,003	,076	,105	,017	,447	,016	,029	,341	393	512	22,2	
W-18x76	81599	,077	,909	,228	,012	,013	,003	,086	,107	,019	,398	,017	,032	,284	386	483	24,8	
W-18x76	81600	,090	,833	,217	,012	,015	,003	,088	,107	,020	,398	,017	,036	,285	374	476	23,6	
W-18x76	81603	,086	,861	,212	,015	,012	,003	,114	,095	,017	,397	,017	,030	,289	379	484	28,2	
W-18x86	80887	,077	1,338	,223	,019	,022	,004	,098	,111	,020	,348	,017	,043	,355	402	517	22,5	
W-18x86	81534	,088	1,078	,169	,023	,023	,003	,176	,112	,027	,417	,016	,030	,344	393	495	24,1	
W-18x86	81597	,103	,766	,202	,013	,012	,002	,092	,102	,018	,381	,016	,036	,285	384	493	22,2	
W-18x86	81619	,121	1,229	,215	,012	,021	,003	,106	,109	,021	,349	,017	,024	,382	401	531	23,2	
W-18x86	81689	,089	,829	,213	,018	,019	,003	,119	,104	,024	,409	,016	,041	,291	374	480	24,1	
W-18x86	81690	,095	,832	,198	,014	,012	,002	,115	,091	,020	,421	,016	,038	,295	372	483	25,1	

25 análisis

D01: Inspeccion - We hereby certify that the above steels have been satisfactorily tested in accordance with the specification.

B06: Marca APM

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Juan Pablo Canullo