

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-12279

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		ARNEBORG
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE	
MCABELLO	05-E-17678 / 1700012129	9878	25/03/2011	

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 18x65	40'	14	5	70	5897	82.558	83800,83801,83802, 83803,83812
WF BEAMS 18x76	40'	18	4	72	5516	99.288	83929,83930,83932, 83933,83934,83936
WF BEAMS 18x86	40'	16	3	48	4681	74.896	83923,83924,83925, 83926
WF BEAMS 18x97	40'	9	3	27	5280	47.520	83907,83915,83916, 83917,83919
WF BEAMS 21x93	40'	1	3	3	5062	5.062	83919
WF BEAMS 24x68	40'	12	4	48	4935	59.220	83771,83773,83774
WF BEAMS 24x76	40'	11	4	44	5516	60.676	83736,83774,83797, 83798
WF BEAMS 18x71	40'	11	4	44	5153	56.683	83797,83798,83799

TOTAL BUNDLES

92

TOTAL WEIGHT

485.903 Kg.

A02 EN 10204/3.1

A03

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

(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	C11	C12	C13	C14	C15	C16							C11	C12	C13	C14	
W-18x65	83800	,114	,658	,188	,022	,030	,003	,105	,097	,018	,349	,019	,028	,279	359	470	23,7	
W-18x65	83801	,136	,727	,184	,026	,018	,003	,111	,099	,016	,352	,017	,034	,313	357	470	22,5	

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A02 EN 10204/3.1																	A03			
CSA G40.21 50W/ASTM A572 G50/A992/A6																	(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	B08	C11	C12	C13	C14	C15	C16								C11	C12	C13	C14		
W-18x65	83802	,122	,713	,195	,026	,019	,003	,102	,104	,016	,374	,017	,036	,297	350	471	22,5			
W-18x65	83803	,107	,731	,151	,019	,018	,002	,100	,097	,014	,375	,016	,029	,284	361	485	23,5			
W-18x65	83812	,138	,706	,165	,031	,016	,003	,088	,099	,014	,376	,017	,032	,308	351	472	22,9			
W-18x71	83797	,096	,665	,174	,014	,019	,002	,092	,099	,016	,331	,016	,029	,258	356	476	25,3			
W-18x71	83798	,111	,724	,183	,016	,015	,002	,097	,102	,014	,365	,015	,032	,285	357	484	24,9			
W-18x71	83799	,155	,647	,190	,020	,021	,002	,122	,102	,015	,370	,016	,028	,322	357	484	25,1			
W-18x76	83929	,103	,778	,187	,022	,029	,002	,104	,090	,015	,456	,016	,022	,293	372	479	21,4			
W-18x76	83930	,098	,734	,184	,014	,024	,002	,090	,083	,014	,463	,017	,034	,278	367	476	20,4			
W-18x76	83932	,100	,764	,187	,024	,024	,003	,123	,095	,015	,397	,017	,034	,288	363	473	21,5			
W-18x76	83933	,113	,713	,162	,021	,017	,002	,098	,096	,016	,352	,018	,031	,285	372	484	22,7			
W-18x76	83934	,147	,710	,153	,015	,023	,002	,077	,093	,014	,354	,016	,027	,314	375	506	21,2			
W-18x76	83936	,098	,777	,192	,013	,019	,002	,074	,084	,014	,304	,017	,034	,271	379	486	20,1			
W-18x86	83923	,098	,774	,200	,019	,012	,003	,102	,091	,017	,300	,018	,024	,277	371	485	21,8			
W-18x86	83924	,107	,739	,180	,020	,021	,003	,098	,094	,018	,330	,017	,023	,282	348	451	22,9			
W-18x86	83925	,106	,743	,185	,017	,020	,003	,113	,101	,019	,345	,017	,037	,287	360	475	22,4			
W-18x86	83926	,103	,731	,190	,018	,024	,002	,128	,101	,018	,362	,017	,024	,285	369	478	23,9			
W-18x97	83907	,108	,725	,182	,020	,023	,002	,091	,115	,017	,416	,017	,032	,286	381	495	21,5			
W-18x97	83915	,096	,800	,202	,022	,033	,003	,112	,106	,018	,357	,016	,026	,287	372	493	21,6			
W-18x97	83916	,090	,779	,199	,019	,030	,003	,087	,110	,019	,407	,017	,032	,276	360	478	24,1			
W-18x97	83917	,107	,793	,176	,015	,030	,002	,102	,112	,018	,384	,016	,038	,297	353	485	22,5			
W-18x97	83919	,109	,734	,174	,026	,026	,002	,135	,123	,020	,390	,017	,032	,297	384	501	21,5			
W-21x93	83919	,109	,734	,174	,026	,026	,002	,135	,123	,020	,390	,017	,032	,297	363	485	23,3			
W-24x68	83771	,107	,765	,184	,021	,018	,003	,109	,096	,016	,311	,017	,039	,287	379	475	23,			
W-24x68	83773	,101	,738	,173	,017	,017	,003	,111	,101	,015	,323	,017	,043	,278	370	480	23,			
W-24x68	83774	,124	,765	,208	,019	,017	,003	,130	,098	,015	,342	,018	,031	,310	377	475	22,9			
W-24x76	83736	,125	,703	,166	,018	,022	,002	,114	,111	,019	,424	,015	,036	,305	421	512	22,3			
W-24x76	83774	,124	,765	,208	,019	,017	,003	,130	,098	,015	,342	,018	,031	,310	375	522	24,3			
W-24x76	83797	,096	,665	,174	,014	,019	,002	,092	,099	,016	,331	,016	,029	,258	394	510	22,8			
W-24x76	83798	,111	,724	,183	,016	,015	,002	,097	,102	,014	,365	,015	,032	,285	372	464	24,5			

31 análisis

Z01

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

B06: Marca APM

Juan Pablo Canullo