

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



QUALITY CERTIFICATE

OLA P-23732

A02 EN 10204/3.1																	A03	
CSA G40.21 50W/ASTM A36-04/A572 G50-04/A992-04/A6-04																	(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% L0=8"	Doblado 180°
B11	B08	C71	C72	C73	C74	C75	C76								C11	C12	C13	C15
W-16x26	124547	,104	1,200	,180	,032	,022	,036	,190	,190	,026	,450	,003	,040	,397	402	548	23,	
W-16x26	124548	,086	1,230	,190	,034	,016	,041	,170	,170	,023	,480	,003	,044	,381	400	538	23,1	
W-16x26	124549	,086	1,260	,190	,025	,012	,041	,170	,190	,035	,450	,003	,046	,388	409	544	23,	
W-16x26	124550	,089	1,190	,200	,026	,027	,037	,180	,170	,033	,450	,003	,035	,379	429	549	22,3	
W-16x26	124551	,087	1,170	,190	,024	,026	,045	,200	,200	,039	,440	,003	,034	,381	427	550	22,1	
W-16x26	124565	,086	1,160	,180	,024	,019	,042	,110	,170	,038	,370	,003	,040	,353	406	541	21,4	
W-16x26	124566	,095	1,150	,170	,024	,015	,035	,130	,160	,035	,420	,003	,033	,365	401	544	21,2	
W-16x26	124573	,087	1,210	,180	,021	,027	,038	,130	,190	,032	,420	,003	,042	,369	408	535	22,9	
W-21x50	122739	,105	1,160	,220	,033	,023	,035	,140	,120	,026	,370	,003	,047	,371	421	535	24,9	
W-21x50	123858	,085	1,180	,220	,025	,028	,040	,090	,130	,024	,480	,003	,061	,353	421	533	23,	
W-8x31	124511	,070	1,140	,170	,026	,031	,034	,110	,200	,042	,340	,003	,030	,333	410	544	23,1	
W-8x31	124513	,092	1,180	,180	,027	,025	,041	,110	,160	,018	,400	,003	,045	,360	393	534	23,1	
W-8x31	124514	,092	1,180	,190	,032	,026	,040	,130	,150	,016	,450	,003	,046	,366	405	519	23,	
W-8x31	124515	,092	1,220	,200	,030	,015	,038	,140	,160	,024	,430	,003	,044	,375	417	544	21,5	
W-8x31	124516	,086	1,100	,160	,028	,031	,038	,130	,180	,028	,410	,003	,043	,348	398	521	22,4	
W-8x48	124575	,088	1,240	,190	,021	,031	,042	,140	,190	,041	,390	,003	,046	,378	411	544	23,2	
W-8x48	124586	,094	1,200	,190	,027	,022	,043	,140	,170	,036	,410	,003	,031	,376	435	544	22,3	
W-8x48	124587	,090	1,250	,200	,026	,025	,045	,140	,180	,038	,440	,003	,036	,384	413	539	21,8	
W-8x48	124588	,086	1,160	,190	,022	,021	,042	,170	,190	,045	,420	,003	,030	,371	388	513	22,8	
W-8x48	124589	,106	1,180	,220	,020	,029	,044	,130	,190	,030	,400	,003	,042	,383	402	522	21,3	

26 análisis

Z01

D01: Inspection - We hereby certify that the above steels have been satisfactorily tested in accordance with the specification.
 B06: Marca AMO

Emal

Ángel Martínez de Treviño