

A01



27495



CARRETERA MADRID - IRUN, KM. 419  
 20212 OLABERRIA (Guipúzcoa)  
 TELEF. (943) 80.50.00 - FAX (943) 88.04.04

**CERTIFICADO DE CALIDAD - QUALITY CERTIFICATE OLA 16621**

DISCHARGE ADDRESS		CUSTOMER	
FERRE BARNIEDO, S.A. DE C.V. AV REVOLUCION,81 CP 55000 ECATEPEC EDO DE MEXICO		FERRE BARNIEDO, S.A. DE C.V. AV REVOLUCION,81 CP 55000 ECATEPEC EDO DE MEXICO	
SHIPPED AND CERTIFIED BY		CREDIT NUMBER	PORT OF LOADING
ACERALIA PERFILES OLABERRIA, S.L. CARRETERA MADRID - IRUN, KM. 419 20212 OLABERRIA (Guipúzcoa) TELEF. (943) 80.50.00 - FAX (943) 88.04.04			PASAJES, SPAIN
		PORT OF DISCHARGE	VESSEL
		TAMPICO	
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
AGARMENDIA		4º Trim. 04	14/12/2004

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.  
 ACERALIA PERFILES OLABERRIA, S.L. ES/20/0040/03  
 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
/ BLANCO							
WF BEAMS 6x15 <i>0606022</i>	40'	14	16	224	4354	60.956	47330,47331,47332,47333,47334,47335,47336
WF BEAMS 6x20 <i>0606030</i>	40'	14	12	168	4354	60.956	47279,47280,47284,47294
WF BEAMS 10x45 <i>108067</i>	40'	12	6	72	4899	58.788	47070,47099
WF BEAMS 24x55 <i>2407082</i>	40'	20	5	100	4990	99.800	47235,47236,47238
WF BEAMS 24x62 <i>2407092</i>	40'	22	4	88	4500	99.000	47196,47197,47202,47203
WF BEAMS 6x25 <i>0606037</i>	40'	11	12	132	5443	59.873	47254,47255,47275
WF BEAMS 10x12 <i>1004018</i>	40'	23	20	460	4355	100.165	44869,44871,47263,47264,47265,47266,47267,47268,47269,47272
WF BEAMS 16x26 <i>1606039</i>	40'	21	6	126	2830	59.430	47165,47168,47182
WF BEAMS 16x31 <i>1606046</i>	40'	18	6	108	3375	60.750	47159,47183,47184,47186
WF BEAMS 21x44 <i>2107085</i>	40'	15	5	75	3992	59.880	44916,47245,47246,47247,47264
WF BEAMS 21x50 <i>2107074</i>	40'	13	5	65	4536	58.968	47266,47268,47269
WF BEAMS 21x57 <i>2107085</i>	40'	8	5	40	5171	41.368	47270
WF BEAMS 21x57	40'	2	4	8	4137	8.274	24400,24433,24434
WF BEAMS 21x57	40'	1	3	3	3103	3.103	47270

TOTAL BUNDLES 194 TOTAL WEIGHT 831.311 Kg.

**CERTIFICADO DE CALIDAD - QUALITY CERTIFICATE**
**OLA 16621**

A02 EN 10204/3.1.B		ASTM A36 - A572 G50/A6													B01/B02/B03 A03			
MATERIAL SIZE	COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)													PROPIEDADES MECANICAS MECHANICAL PROPERTIES			
		C	Mn	Si	P	S	N	V	Cr	Ni	Mo	Cu	Nb	Sn	ReH MPa	Rm MPa	A% LO=2"	Doblad. 180°
		C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	C23	C24	C25	C26	C27
W-10x12	44869	,090	1,160	,177	,024	,027	,012	,002	,128	,135	,026	,575	,019	,036	358	539	29,2	
W-10x12	44871	,114	1,140	,184	,024	,024	,011	,002	,139	,135	,028	,572	,019	,032	390	544	29,2	
W-10x12	47263	,100	1,260	,179	,030	,027	,011	,004	,211	,179	,038	,529	,025	,030	356	541	24,5	
W-10x12	47264	,116	1,140	,241	,031	,026	,011	,002	,165	,188	,038	,548	,018	,041	368	535	25,5	
W-10x12	47265	,094	1,160	,237	,023	,030	,012	,002	,164	,179	,033	,474	,021	,031	362	541	29,5	
W-10x12	47266	,115	1,210	,239	,027	,031	,012	,003	,193	,164	,029	,554	,021	,031	359	548	28,8	
W-10x12	47267	,103	1,110	,237	,021	,029	,012	,002	,147	,135	,024	,461	,020	,029	418	544	30,4	
W-10x12	47268	,104	1,160	,189	,021	,034	,010	,002	,136	,159	,029	,479	,018	,035	376	539	31,9	
W-10x12	47269	,105	1,180	,206	,023	,027	,011	,002	,154	,157	,029	,521	,019	,025	362	538	28,2	
W-10x12	47272	,117	1,190	,185	,019	,022	,009	,002	,132	,157	,028	,454	,017	,025	358	546	28,2	
W-10x45	47070	,090	1,150	,182	,024	,035	,010	,002	,134	,145	,025	,573	,023	,034	391	547	25,4	
W-10x45	47099	,072	1,150	,203	,031	,031	,010	,002	,201	,139	,026	,580	,020	,030	360	544	27,	
W-16x26	47165	,096	1,210	,217	,024	,028	,012	,002	,166	,252	,048	,564	,019	,025	361	539	26,	
W-16x26	47168	,107	1,210	,203	,024	,029	,012	,002	,169	,255	,048	,575	,021	,026	360	542	28,3	
W-16x26	47182	,103	1,200	,208	,024	,029	,012	,002	,172	,253	,048	,579	,020	,023	360	541	26,5	
W-16x31	47159	,098	1,110	,184	,022	,037	,010	,002	,139	,135	,023	,415	,018	,018	387	543	29,1	
W-16x31	47183	,086	1,160	,191	,027	,031	,012	,002	,210	,220	,044	,568	,019	,025	359	538	29,9	
W-16x31	47184	,119	1,170	,200	,031	,024	,011	,002	,196	,207	,040	,575	,019	,028	361	543	26,4	
W-16x31	47186	,101	1,160	,192	,021	,031	,011	,002	,181	,177	,031	,478	,018	,029	365	543	29,2	
W-21x44	44916	,097	1,120	,191	,021	,035	,011	,002	,124	,116	,021	,570	,019	,030	450	545	30,6	
W-21x44	47245	,093	1,220	,180	,028	,020	,011	,002	,164	,214	,043	,567	,023	,022	359	542	28,8	
W-21x44	47246	,109	1,130	,191	,033	,020	,011	,003	,205	,224	,046	,580	,020	,027	358	546	28,	
W-21x44	47247	,106	1,180	,187	,033	,023	,010	,003	,210	,221	,045	,580	,021	,031	361	549	27,1	
W-21x44	47264	,085	1,250	,185	,022	,027	,011	,003	,181	,236	,048	,558	,023	,030	361	550	28,3	
W-21x50	47266	,085	1,050	,209	,020	,024	,012	,002	,141	,132	,023	,470	,020	,021	442	531	33,6	
W-21x50	47268	,090	1,120	,223	,025	,030	,011	,004	,182	,147	,026	,524	,022	,025	435	538	27,8	
W-21x50	47269	,108	1,160	,184	,021	,032	,011	,002	,135	,161	,030	,495	,019	,029	403	547	31,7	
W-21x57	24400	,121	1,060	,172	,021	,027	,010	,022	,123	,113	,022	,371	,003	,029	364	514	37,2	
W-21x57	24433	,080	1,060	,196	,024	,019	,009	,021	,142	,108	,020	,469	,003	,031	361	486	38,5	
W-21x57	24434	,083	1,060	,204	,023	,019	,009	,022	,141	,109	,019	,465	,003	,030	355	488	41,	
W-21x57	47270	,123	1,200	,180	,020	,023	,011	,002	,140	,157	,028	,486	,018	,016	405	538	26,6	
W-24x55	47235	,082	1,190	,192	,027	,023	,012	,003	,210	,232	,047	,574	,020	,029	361	541	29,3	
W-24x55	47236	,102	1,200	,189	,031	,026	,011	,003	,212	,210	,043	,568	,019	,022	361	544	26,8	
W-24x55	47238	,110	1,210	,198	,022	,025	,011	,002	,164	,235	,045	,568	,026	,025	387	545	27,	
W-24x62	47196	,082	1,150	,191	,022	,022	,010	,002	,134	,194	,054	,578	,020	,050	386	537	29,2	
W-24x62	47197	,087	1,190	,209	,019	,020	,010	,003	,115	,186	,048	,501	,022	,036	400	542	28,	
W-24x62	47202	,095	1,110	,201	,027	,023	,012	,002	,214	,197	,039	,571	,019	,032	361	544	28,1	
W-24x62	47203	,068	1,130	,214	,022	,031	,011	,002	,103	,131	,023	,429	,020	,036	361	542	28,2	
W-6x15	47330	,075	1,100	,217	,021	,030	,012	,002	,155	,194	,057	,437	,019	,044	362	545	28,4	
W-6x15	47331	,100	1,070	,221	,023	,032	,011	,002	,173	,201	,055	,438	,021	,045	358	549	27,9	
W-6x15	47332	,093	1,070	,221	,022	,029	,010	,002	,168	,198	,054	,432	,021	,041	359	540	26,1	
W-6x15	47333	,098	1,090	,180	,023	,033	,011	,002	,162	,206	,054	,460	,017	,040	356	547	27,9	
W-6x15	47334	,092	1,150	,177	,023	,035	,011	,002	,153	,216	,057	,497	,017	,037	357	548	25,	
W-6x15	47335	,120	1,160	,182	,029	,032	,011	,002	,188	,193	,051	,533	,017	,037	357	541	25,9	
W-6x15	47336	,092	1,140	,185	,025	,033	,011	,002	,150	,204	,052	,488	,015	,032	358	541	25,2	
W-6x20	47279	,067	1,100	,171	,024	,033	,011	,002	,145	,221	,045	,565	,021	,038	356	546	26,9	