



<b>ACERINOX EUROPA</b> FABRICA DEL CAMPO DE GIBALTAR PALMONES (LOS BARRIOS) TFINO. (34) - 956 62 93 00 FAX. (34) - 956 62 93 11 P.O. BOX 83 11270 LOS BARRIOS (CRDIE) ESPAÑA		 by Accredited Body		<h1 style="margin:0;">INSPECTION CERTIFICATE</h1> <h2 style="margin:0;">CERTIFICADO DE INSPECCION</h2>				3.1						
ACCORDING TO EN 10204				CERTIFICATE N° FO 2017 18360 50002*										
<b>CUSTOMER</b> CLIENTE THE METAL CENTRE WESTERN WAY WEDNESBURY REINO UNIDO <i>Sm 133492-01-06</i>			<b>OUR ORDER N°</b> NUESTRO SO 55039		<b>YOUR ORDER N°</b> SU PEDIDO 96505/JUNE17									
<b>TRADE MARK</b> SELLO DEL FABRICANTE 			<b>INSPECTOR'S STAMP</b> SELLO DEL INSPECTOR		<b>STEEL-MAKING PROCESS</b> PROCESO DE HORNIA A.O.D.									
<b>REQUIREMENTS</b> NORMAS APLICABLES EN 10088-2:2014 EN-ISO-18286(Thickness Tolerances) EN 10028-7:2009 EN-ISO-18286(Thickness Tolerances) ASTM A240Ed15a/A480Ed16-ASME SectIIA SA240/SA480Ed15 EN 10088-2:2014 EN-ISO-18286(Thickness Tolerances) ASTM A240Ed15a/A480Ed16-ASME SectIIA SA240/SA480Ed15				<b>INTERGRANULAR CORROSION</b> CORROSIÓN INTERGRANULAR EN ISO 3651-2 ASTM-A-262 PRACTICA E EN ISO 3651-2 ASTM-A-262 PRACTICA E		<b>GRADE</b> MATERIAL Acx 240 1.4401 Acx 240 1.4401 Acx 240 TP-316 Acx 240 1.4404 Acx 240 TP-316L	<b>FINISH</b> ACABADO 1D 1D Nº1 1D Nº1							
<b>COIL / BOX</b> BOBINA / CAJA		<b>CONTENT</b> CONTENIDO			<b>DIMENSIONS (mm)</b> DIMENSIONES		<b>MARKS</b> MARCA	<b>QUANTITY</b> CANTIDAD	<b>TEST N°</b> PROBEA					
					THICKNESS ESPESOR		WIDTH ANCHO		LENGTH LARGO					
E1947L		01N8ER EC			25,000		1500,00		3000,00		1	1	01N8ER E	C
E1972Y		01N8ER HB			25,000		1500,00		3000,00		2	1	01N8ER H	C
E1972Z		01N8ER HC			25,000		1500,00		3000,00		3	1	01N8ER H	C
E1988Z		01N8ER JA			25,000		1500,00		3000,00		7	1	01N8ER J	C
E1989A		01N8ER JB			25,000		1500,00		3000,00		8	1	01N8ER J	C
E1989B		01N8ER JC			25,000		1500,00		3000,00		6	1	01N8ER J	C
<b>CHEMICAL ANALYSIS / COMPOSICIÓN QUÍMICA (%)</b>														
<b>HEAT N°</b> COCADA		C	CR	MN	MO	N	NI	P	S	SI				
N8ER		0,022	16,640	1,429	2,032	0,029	10,035	0,032	0,001	0,411				
<b>MECHANICAL PROPERTIES / CARACTERÍSTICAS MECÁNICAS</b>														
<b>TEST N°</b> PROBEA		PROBE SIT.	Rm N/mm2	Rp 0.2 N/mm2	Rp 1.0 N/mm2	A50 %	A5 %	KV1+20° J	HRB	A200 %	KV2+20° J	KV3+20° J		
01N8ER E		C.T.	579,00	282,40	320,02	52,84	51,84	305,00	89,00	49,84	280,00	290,00		
01N8ER H		C.T.	579,00	282,40	320,02	52,84	51,84	305,00	89,00	49,84	280,00	290,00		
01N8ER J		C.T.	579,00	282,40	320,02	52,84	51,84	305,00	89,00	49,84	280,00	290,00		
<b>RE MARKS / OBSERVACIONES</b>												<b>SURFACE AND DIMENSIONAL CONTROL</b> INSPECCIÓN SUPERFICIAL Y DIMENSIONAL		
The delivery is in accordance with the order Temperatura de hipertemple entre 1050 y 1100° C. NACE-MR0175/ISO 15156-3:2009; NACE MR0103:2012 (Chem & Mech only).												SATISFACTORY SATISFACTORIA		
												<b>WORK INSPECTOR</b> INSPECTOR		
												<i>A. Heredia</i> A. Heredia		
												Palmones, 16 MAYO 2017		

**ACERINOX EUROPA**  
 FABRICA DEL CAMPO DE  
 GIBRALTAR  
 PALMONES (LOS BARRIOS)  
 TEND. (34) - 956 42 93 00  
 FAX (34) - 956 42 93 11  
 P.O. BOX 83  
 11370 LOS BARRIOS (CADIZ)  
 ESPAÑA



0769-CER-VAG-00530  
 DOP n.º. 1/2015

# INSPECTION CERTIFICATE

## CERTIFICADO DE INSPECCION 3.1

ACCORDING TO EN 10204

CERTIFICATE N° F0 2017 18860 50001 Y  
 CERTIFICADO N°

**CUSTOMER**  
 CLIENTES  
 THE METAL CENTRE  
 WESTERN WAY  
 WEDNESBURY  
 REINO UNIDO

**OUR ORDER N°**  
 N°/ENCARGO  
 SO 55039

**YOUR ORDER N°**  
 N°/PEDIDO  
 96505/JUNE17



**INSPECTOR'S STAMP**  
 SELLO DEL INSPECTOR

**STEELMAKING PROCESS**  
 PROCESO DE ACERÍA  
 A.O.D.

**REQUIREMENTS**  
 NORMAS Y TOLERANCIAS  
 EN 10088-4:2009 EN-ISO-18286(Thickness Tolerances)

**INTERGRANULAR CORROSION**  
 CORROSIÓN INTERGRANULAR

**GRADE**  
 MATERIAL  
 Axx 240 1.4404

**FINISH**  
 ACABADO  
 1D

COIL / BOX BOBINA / CAJA	CONTENT CONTENIDO	DIMENSIONS (mm) DIMENSIONES			MARKS MARCA	QUANTITY CANTIDAD	TEST N° PROBETA
		THICKNESS ESPESOR	WIDTH ANCHO	LENGTH LARGO			
E1947L	01N8ER EC	25,000	1500,00	3000,00	1	1	01N8ER E
E1972Y	01N8ER HB	25,000	1500,00	3000,00	2	1	01N8ER H
E1972Z	01N8ER HC	25,000	1500,00	3000,00	3	1	01N8ER H
E1988Z	01N8ER JA	25,000	1500,00	3000,00	7	1	01N8ER J
E1989A	01N8ER JB	25,000	1500,00	3000,00	8	1	01N8ER J
E1989B	01N8ER JC	25,000	1500,00	3000,00	6	1	01N8ER J

**CHEMICAL ANALYSIS / COMPOSICIÓN QUÍMICA (%)**

HEAT N° COLADA	C	CR	MN	MO	N	NI	P	S	SI
REQUIREMENTS REQUISITOS	0,030	16,500 18,500	2,000	2,000 2,500	0,100	10,000 13,000	0,045	0,015	1,000
N8ER	0,022	16,640	1,429	2,032	0,029	10,035	0,032	0,001	0,411

**MECHANICAL PROPERTIES / CARACTERÍSTICAS MECÁNICAS**

TEST N° PROBETA	PROBE BT	Rm N/mm2	Rp 0.2 N/mm2	Rp 1.0 N/mm2	A5 %
REQUIREMENTS REQUISITOS		520,00 670,00	220,00	260,00	45,00
01N8ER E	C-T	579,00	282,40	320,02	51,84
01N8ER H	C-T	579,00	282,40	320,02	51,84
01N8ER J	C-T	579,00	282,40	320,02	51,84

**REMARKS / OBSERVACIONES**

The delivery is in accordance with the order

**SURFACE AND DIMENSIONAL CONTROL**  
 INSPECCIÓN SUPERFICIAL Y DIMENSIONAL

SATISFACTORY  
 SATISFACTORIA

**WORK INSPECTOR**  
 INSPECTOR

*A. Heredia*  
 A. Heredia

Palmones, 16 MAYO 2017

**ACERINOX EUROPA**  
FABRICA DEL CAMPO DE GARCERAN (LOS BARRIOS) TENS. (34) - 956 62 93 00 FAX (34) - 956 62 93 11 P.O. BOX 63 41370 LOS BARRIOS (CADIZ) SPAIN

by Accredited Body

# Abnahmeprüfzeugnis INSPECTION CERTIFICATE

Prüf-Nr. **F0 2017 18860 50001 E**  
 Inspection No.

ACCORDING TO **EN 10204 3.1**  
NACH:

\*Zustimmungsschreiben des TÜV SÜD vom 21. Februar 2017  
 Letter of approval from the TÜV SÜD dated 21-2-17  
 \*Aus: Schreiben des TÜV SÜD vom 25. Juni 1989 über die Gegenzeichnung verrichtet.  
 TÜV SÜD renounce to the counter signature according chapter letter dated 26-6-89

<b>Besteller - Customer</b> THE METAL CENTRE	<b>Auftrags Nr - Our order n°</b> SO.55039	<b>Bestellung Nr - Your order n°</b> 96505/JUNE17
<b>Prüfgegenstand - Article</b> BLECH (PLATE)		<b>Werkstoff Nr und Lieferzustand - Material n° and Condition of Delivery</b> 1.4404/1.4401 1D
<b>Werkstoff - Normbez-Standard - Grade of Material</b> X2 CrNiMo 17-12-2 / X5 CrNiMo 17-12-2	<b>Werksbez - Works Grade</b> Acx - 240	<b>Erschmelzungsart - Steelmaking Process</b> A=AOD Verfahren ... AOD Process A
<b>Anforderungen - Technical requirements</b> EN 10028-7/TRB 100/AD-2000-MERKBLATT WZ/W10 PED 2014/68/EU EN-ISO-18286(Thickness Tolerances)		<b>Kennzeichnung - Marking</b> Schmelznummer - n° of coil
<b>Zeichen des Lieferwerks - Brand of the manufacturer</b> 	<b>Stempel des Sachverständigen - Inspector's stamp</b> 	

Pos Nr. Item N°	Stückzahl Quantity	Abmessung - Dimensions mm	Schmelze Nr Heat N°	Probe Nr Test N°	
1	1	25,000 x 1.500,00 x 3.000,00	N8ER	01N8ER E	C C C C C C
2	1	25,000 x 1.500,00 x 3.000,00	N8ER	01N8ER H	
3	1	25,000 x 1.500,00 x 3.000,00	N8ER	01N8ER J	
6	1	25,000 x 1.500,00 x 3.000,00	N8ER	01N8ER J	
7	1	25,000 x 1.500,00 x 3.000,00	N8ER	01N8ER J	
8	1	25,000 x 1.500,00 x 3.000,00	N8ER	01N8ER J	

Chemische Analyse - Chemical Composition (%)											
Schmelze Nr Heat N°	C	CR	MN	MO	N	NI	P	S	SI		
Anforderungen Requirements	0,030	16,500 18,500	2,000	2,500	0,100	10,000 13,000	0,045	0,015	1,000		
N8ER	0,022	16,640	1,429	2,032	0,029	10,035	0,032	0,001	0,411		



Mechanische Eigenschaften - Mechanical Properties - Pr. Temp/T. Temp. 20° C										
Probe Nr Test N°	Prob.-Lage Pos of Test	Abmessungen des Probestabs Dim. of specimen	Rm N/mm2	Rp 0.2 N/mm2	Rp 1.0 N/mm2	A5 %	KV1+20° J	KV2+20° J	KV3+20° J	
Anforderungen Requirements		Breite x Dicke Width x Thickness mm	520,00 670,00	220,00	260,00	45,00	60,00	60,00	60,00	
01N8ER E	CT	45,000 x 25,00	579,00	282,40	320,02	51,84	305,00	280,00	290,00	
01N8ER H	CT	45,000 x 25,00	579,00	282,40	320,02	51,84	305,00	280,00	290,00	
01N8ER J	CT	45,000 x 25,00	579,00	282,40	320,02	51,84	305,00	280,00	290,00	

Besichtigung und Masskontrolle wurden durchgeführt: O.B. Surface and dimensions controlled: O.K.  
 Der Werkstoff ist beständig gegen interkristalline Korrosion gemäss EN ISO 3651-2  
 The material is resistant to intergranular corrosion test according to ISO 3651-2  
 Spektroskopische Identitätsprüfung: O.B. Spectrometrical Identity test: O.K.  
 Wärmebehandlung: Glühen bei 1050 - 1100°C  
 Heat treatment:  
 Die Lieferung entspricht der Bestellung. The delivery is in accordance with the order  
 Issued in agreement with TÜV SÜD Industrie Service GmbH (02/1983)

**WERKSACHVERSTÄNDIGER  
 WORK INSPECTOR**  
 A. Heredia

Zeugnis ist per EDV erstellt und ohne  
 Unterschrift gültig gemäss E-Norm 10204

Palmones, 16 MAYO 2017

<b>ACERINOX EUROPA</b> FABRICA DEL COMPO. DE GIBRALDAR PALMONES (LOS BARRIOS) TEND. (54) - 956 62 93 00 FAX (34) - 956 62 93 11 P.O. BOX 83 11370 LOS BARRIOS (CADIZ) ESPAÑA	 by Accredited Body	<h1 style="margin:0;">INSPECTION CERTIFICATE</h1> <h2 style="margin:0;">CERTIFICADO DE INSPECCION</h2>	3.1								
ACCORDING TO <b>EN 10204</b> <small>SEGUN</small>		CERTIFICATE N° <b>F0 2017 18860 50002*</b> <small>CERTIFICADO N°</small>									
<b>CUSTOMER</b> <small>CLIENTE</small> THE METAL CENTRE WESTERN WAY WEDNESBURY REINO UNIDO		<b>OUR ORDER N°</b> <small>N° PEDIDO</small> <b>SO 55039</b>	<b>YOUR ORDER N°</b> <small>N° PEDIDO</small> <b>96505/JUNE17</b>								
		<b>TRADE MARK</b> <small>SELLO DEL PARTICIPANTE</small> 	<b>INSPECTOR'S STAMP</b> <small>SELLO DEL INSPECTOR</small>								
		<b>STEELMAKING PROCESS</b> <small>PROCESO DE ACERIA</small> A.O.D.									
<b>REQUIREMENTS</b> <small>NORMAS APLICABLES</small> EN 10088-2:2014 EN-ISO-18286(Thickness Tolerances) EN 10028-7:2009 EN-ISO-18286(Thickness Tolerances) ASTM A240Ed15a/A480Ed16-ASME SecIIA SA240/SA480Ed15 EN 10088-2:2014 EN-ISO-18286(Thickness Tolerances) ASTM A240Ed15a/A480Ed16-ASME SecIIA SA240/SA480Ed15		<b>INTERGRANULAR CORROSION</b> <small>CORROSIÓN INTERGRANULAR</small> EN ISO 3651-2 ASTM-A-262 PRACTICA E EN ISO 3651-2 ASTM-A-262 PRACTICA E	<b>GRADE</b> <small>MATERIAL</small> Acx 240 1.4401 Acx 240 1.4401 Acx 240 TP-316 Acx 240 1.4404 Acx 240 TP-316L								
		<b>FINISH</b> <small>ACABADO</small> 1D 1D 1D 1D 1D 1D									
<b>COIL / BOX</b> <small>BOBINA / CAJA</small>	<b>CONTENT</b> <small>CONTENIDO</small>	<b>DIMENSIONS (mm)</b> <small>DIMENSIONES</small>			<b>MARKS</b> <small>MARCA</small>	<b>QUANTITY</b> <small>CANTIDAD</small>	<b>TEST N°</b> <small>PROBETA</small>	C O C C O C O			
		<b>THICKNESS</b> <small>ESPESOR</small>	<b>WIDTH</b> <small>ANCHO</small>	<b>LENGTH</b> <small>LARGO</small>							
E1947L	01N8ER EC	25,000	1500,00	3000,00	1	1	01N8ER E				
E1972Y	01N8ER HB	25,000	1500,00	3000,00	2	1	01N8ER H				
E1972Z	01N8ER HC	25,000	1500,00	3000,00	3	1	01N8ER H				
E1988Z	01N8ER JA	25,000	1500,00	3000,00	7	1	01N8ER J				
E1989A	01N8ER JB	25,000	1500,00	3000,00	8	1	01N8ER J				
E1989B	01N8ER JC	25,000	1500,00	3000,00	6	1	01N8ER J				
<b>CHEMICAL ANALYSIS / COMPOSICIÓN QUÍMICA (%)</b>											
<b>HEAT N°</b> <small>CALEDA</small>	<b>C</b>	<b>CR</b>	<b>MN</b>	<b>MO</b>	<b>N</b>	<b>NI</b>	<b>P</b>	<b>S</b>	<b>SI</b>		
N8ER	0,022	16,840	1,429	2,032	0,029	10,035	0,032	0,001	0,411		
<b>MECHANICAL PROPERTIES / CARACTERÍSTICAS MECÁNICAS</b>											
<b>TEST N°</b> <small>PROBETA</small>	<b>PROBE</b> <small>TIPO</small>	<b>Rm</b> <small>N/mm2</small>	<b>Rp 0.2</b> <small>N/mm2</small>	<b>Rp 1.0</b> <small>N/mm2</small>	<b>A50</b> <small>%</small>	<b>A5</b> <small>%</small>	<b>KV1+20°</b> <small>J</small>	<b>HRB</b>	<b>A200</b> <small>%</small>	<b>KV2+20°</b> <small>J</small>	<b>KV3+20°</b> <small>J</small>
01N8ER E	C.T.	579,00	282,40	320,92	52,84	51,84	305,00	89,00	49,84	280,00	290,00
01N8ER H	C.T.	579,00	282,40	320,92	52,84	51,84	305,00	89,00	49,84	280,00	290,00
01N8ER J	C.T.	579,00	282,40	320,92	52,84	51,84	305,00	89,00	49,84	280,00	290,00
<b>REMARKS / OBSERVACIONES</b>									<b>SURFACE AND DIMENSIONAL CONTROL</b> <small>INSPECCIÓN SUPERFICIAL Y DIMENSIONAL</small>		
The delivery is in accordance with the order. Temperatura de hipertempera entre 1050 y 1100° C. NACE-MR0175/ISO 15156-3:2009; NACE MR0103:2012 (Chem & Mech only).									<b>SATISFACTORY</b> SATISFACTORIA		
									<b>WORK INSPECTOR</b> <small>INSPECTOR</small>		
									vs A. Heredia A. Heredia		
									Palmones, 16 MAYO 2017		