

Larrondo LOIU (VIZCAYA) España  
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Management Systems  
Certified by  
LRQA  
ISO 9001 / SGI 6000360  
ISO 14001 / SGI 1870678

C174015

ACEROS INOXIDABLES

# OLARRA

**CANADIAN SPECIALTY METALS**  
81 STEINWAY BLVD.  
ETOBICOKE- ONTARIO M9W 6H6 - CANADA

Trade Mark - Zeichen des Lieferwerkes  
Anagrama del suministrador



Works Inspector Stamp - Werkssachverständiger  
Sello del Inspector



Certificate type - APZ Nach Certificado tipo	EN 10204/3.1	Certificate n° - Prüf-Nr Certificado n°	298358	Date - Datum - Fecha	13 - 01 - 2017
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Our order N° Werks - Nr N° de Referencia	618866	Heat Schmelze Colada	424614	Your order N° Bestell - Nr Pedido N°	P038847-EDM
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Steel Grade Werkstoff Calidad	AISI-316-L MECAMAX	According to Entsprechend Corresponde	ASTM A 479 / A 479M-15.
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Shape and Size - Gegenstad Perfil y dimensión ROUND 2"1/4	Tolerance - Toleranz Tolerancia ASTM A 484 /TB.7	Bundles Bunde Bultos	2	Bars Stäbe Barras	Weight Gewicht Peso	2842 Lbs
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Requirements - Anforderungen - Exigencias

ASME SA 479 / SA 479M-15 ASTM A 276/A 276M-16a. ASTM A 182/A 182M-16. ASME SA 182 / SA 182M-15 ASTM A 193/A 193M-16.B8M CLASS.1. ASME SA 193/SA 193M-15 B8M CLASS.1. SAE AMS 5648L-11. SAE AMS 5653H-12. NACE MR-0175/ISO 15156-3 2015. AMS QQS 763D-15 COND.A.	EN 10.088-3.2014. EN 10.272-2007. Type 316-1.4404. PED 2014/68/EU, Annex I, Parag.4.3/DGR 2014/68/EU Anhang I Absatz 4.3 Certificate/Zertifikat Nr. 348/2008/MUC
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Melting process / Erschmelzungsart / Proceso de Fusión <b>E.A.F. / A.O.D.</b>	Heat treatment / Wärmebehandlung / Tratamiento térmico 1060C 4H/Std WATER/WASSER/AGUA
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Solution annealed/Abgeschreckt/Hipertemple-Turned/Drehen/Torneado-Polished/Poliert/Pulido-

Test results - Ergebnis der Prüfungen - Resultados de los ensayos

Dimension of Specimen Abmessungen des Probestabes Medida de las probetas	Rp0.2% KSI	Rp 1% KSI	Rm KSI	A %L 5D	A %L 4D	Z %	Hardness Härte HBw	Impact test / Kersbschlag / Resiliencia ISO V ft. lb
RD. 12,50 mm.	Min.	25	70		40	50		
	Max.							
Temperature °C 20	Spec. N° Probe Nr. Pro N°	1	47	54	87	52	73	170

	C	Si	Mn	P	S	Cr	Mo	Ni	Cu	N	Co
Min.						16,00	2,00	10,00			
Max.	0,030	1,00	2,00	0,045	0,030	18,00	3,00	14,00		0,1000	
	0,028	0,30	1,66	0,038	0,029	16,60	2,00	10,10	0,35	0,0250	0,19

Visual and dimensional inspection Besichtigung und Ausmessung Control visual y dimensional	Radioactivity inspection Radioaktivitätskontrolle Control de Radioactividad	Antimixing test Spektrsk Verwechslungspr Antimezcla	Grain Size Korngröße Tamaño de grano
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Remarks - Bemerkungen - Observaciones

Free From Mercury contamination/Quecksilberfreiheit. No weld repair. Chemical composition according to MIL-S-7720A.	EDV / EDP Acc. EN 10.204 Marian Tejedo Quality Mng.  Works Inspector Der Werkssachverständige Inspector de fábrica
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