


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

ACEROS INOXIDABLES

OLARRA

OLARRA U.K. LTD.
FOREST PARK - CLEOBURY MORTIMER
NR KIDDERMINSTER - DY 14 9BD - ENGLAND

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° 283917 | | Date - Datum - Fecha 08 - 09 - 2016 | | | | | | | |
| Our order N° Werks - Nr 606535 N° de Referencia | | Heat Schmelze 415802 Colada | | Your order N° Bestell - Nr OL7352 Pedido N° | | | | | | | |
| Steel Grade Werkstoff 316-S-11 AV Calidad | | | According to Entsprechend BS 970:PART 3:1991. Corresponde | | | | | | | | |
| Shape and Size - Gegenstad Perfil y dimensión HEXAGON 36 mm | | Tolerance - Toleranz Tolerancia h 11 /DIN 176 | | Bundles Bunde 4 Bultos | Bars Stäbe 91 Barras | | | | | | |
| | | | | Weight Gewicht 2450 Kg Peso | | | | | | | |
| Requirements - Anforderungen - Exigencias | | | | | | | | | | | |
| EN 10.088-3.2014. EN 10.272-2007. ASTM A 182 / A 182M-15. ASTM A 479 / A 479M-15. ASTM A 276-16a. ASME SA 479 / SA 479M-15 NACE MR-0175/ISO 15156-3 2009. NACE MR-0103-12/ISO 17945-2015. NORSOK M-630 and MDS S01. SAE AMS 5653H-12. | | | 316S31AV-1.4404-1.4401-Type 316-Type 316L. PED 2014/68/EU, Annex I, Parag.4.3/DGR 2014/68/EU Anhang I Absatz 4.3 Certificate/Zertifikat Nr. 348/2008/MUC | | | | | | | | |
| Melting process / Erschmelzungsart / Proceso de Fusión E.A.F. / A.O.D. | | | Heat treatment / Wärmebehandlung / Tratamiento térmico 1060C 4H/Std WATER/WASSER/AGUA | | | | | | | | |
| Solution annealed/Abgeschreckt/Hipertemple-Cold drawn/Gezogen/Estirado- | | | | | | | | | | | |
| Test results - Ergebnis der Prüfungen - Resultados de los ensayos | | | | | | | | | | | |
| Dimension of Specimen Abmessungen des Probestabes Medida de las probetas | | Rp0.2% N/mm2 MPA | Rp 1% N/mm2 MPA | Rm N/mm2 MPA | A %L 5D | A %L 4D | Z % | Hardness Härte HBw | Impact test / Kersbschlag / Resiliencia ISO V Jules | | |
| RD. 10,00 mm. | | Min. 325 | 375 | 550 | 20 | | | | | | |
| | | Max. | | | | | | | | | |
| Temperature °C 20 | Spec. N° Probe Nr. Pro N°. | 1 | 415 | 497 | 610 | 42 | 45 | 71 | 187 | | |
| | | | | | | | | | | | |
| | C | Si | Mn | P | S | Cr | Mo | Ni | Cu | N | Co |
| Min. | | | | | | 16,50 | 2,00 | 11,00 | | | |
| Max. | 0,030 | 1,00 | 2,00 | 0,045 | 0,030 | 18,50 | 2,50 | 14,00 | 0,70 | | |
| | 0,016 | 0,41 | 1,70 | 0,033 | 0,026 | 17,05 | 2,03 | 11,05 | 0,32 | 0,0190 | 0,20 |
| Visual and dimensional inspection Besichtigung und Ausmessung Control visual y dimensional O.K. | | Radioactivity inspection Radioaktivitätskontrolle Control de Radioactividad O.K. | | Antimixing test Spektrosk Verwechslungspr Antimezcla O.K. | | Grain Size Korngröße Tamaño de grano | | | | | |
| Remarks - Bemerkungen - Observaciones | | | | | | | | | | | |
| IC test acc./IK prüfung nach ASTM A 262 E.14. OK Crack control/Rissgeprüft acc. EN 10277-1 class 2. OK | | | | | | | | | | EDV / EDP Acc. EN 10.204 Marian Tejedo Quality Mng. | |
| F12000 1" x 1/4" Medium Pressure Male x Male Adaptor 20K | | | | | | | | | | Works Inspector Der Werkssachverständige Inspector de fábrica | |

New Cell 357983 > 357985