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Management Systems
Certified by
LRQA
ISO 9001 / SGI 6000350
ISO 14001 / SGI 1870679

ACEROS INOXIDABLES

OLARRA

OLARRA U.K. LTD.
FOREST PARK - CLEOBURY MORTIMER
NR KIDDERMINSTER - DY 149BD - 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° 157765 | | Date - Datum - Fecha 17 - 06 - 2013 | | | | | | | |
| Our order N° Works - Nr 520276 N° de Referencia | | Heat Schmelze 355859 Colada | | Your order N° Bestell - Nr OL5752 Pedido N° | | | | | | | |
| Steel Grade Werkstoff 316-S-11 AV Calidad | | | According to Entsprechend BS 970:PART 3:1991. Corresponde | | | | | | | | |
| Shape and Size - Gegenstand Perfil y dimensión ROUND 22 mm | | Tolerance - Toleranz Tolerancia h 9 / DIN 671 / EN 10278 | | Bundles Bunde 2 Bultos | Bars Stäbe Barras | | | | | | |
| | | | | Weight Gewicht 1162 Kg Peso | | | | | | | |
| Requirements - Anforderungen - Exigencias | | | | | | | | | | | |
| EN 10.088-3.2005. EN 10.272-2007. ASTM A 182 / A 182M-12b. ASTM A 479 / A 479M-12. ASTM A 276-10. ASME SA 479 / SA 479M-11a. NACE MR-0175-2003/ISO 15156-3 2009. SAE AMS,5663H-12. 316S31AV-1.4404-1.4401-TP.316L-TP.316. PED 97/23/EC, Annex I, Parag.4.3/DGR 97/23/EG | | | Anhang I Bsatz 4.3 Certificate/Zertifikat Nr. 348/2008/MUC | | | | | | | | |
| | | | <p>FLOW TECHNOLOGY LTD TEST CERTIFICATE VERIFIED TRUE COPY OF ORIGINAL</p> | | | | | | | | |
| Melting process / Erhmelzungsart / Proceso de Fusión E.A.F. / A.O.D. | | | Heat treatment / Wärmebehandlung / Tratamiento térmico 1060C 4H/Std WATER/WASSER/AGUA | | | | | | | | |
| Solution annealed/Abgeschreckt/Hipertempe-Cold drawn/Gezogen/Estirado-Polished/Poliert/Pulido- | | | | | | | | | | | |
| 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 / Kerschlag / Resiliencia ISO V Jules | | |
| RD. 10,00 mm. | | Min. 325 | 375 | 550 | 20 | | | | | | |
| | | Max. | | | | | | | | | |
| Temperature °C 20 | Spec. N° Probe Nr. Pro N° | 1 | 452 | 518 | 621 | 40 | | 74 | 207 | | |
| | 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 | | |
| | 0,024 | 0,47 | 1,77 | 0,033 | 0,026 | 17,10 | 2,07 | 11,05 | 0,36 | 0,0240 | 0,18 |
| Visual and dimensional inspection Besichtigung und Ausmessung O.K. Control visual y dimensional | | Radioactivity inspection Radioaktivitätskontrolle O.K. Control de Radioactividad | | Antimixing test Spektralkontrollungspr O.K. Antimezcla | | Grain Size Korngröße Tamaño de grano | | | | | |
| Remarks - Bemerkungen - Observaciones | | | | | | | | | | | |
| IC test acc./IK prüfung nach ASTM A 262 E.02. OK | | | | | | | | | | | |
| F14577 7/16" JIC MALE BRANCH X SWIVEL X SWIVEL TEE 10K 316L | | | | | | | | | | EDV / EDP Acc. EN 10.204 Alfredo Molina Certification Mng. Works Inspector Der Werkssachverständige Inspector de fábrica | |