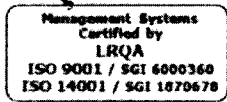


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ACEROS INOXIDABLES

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Works Inspector Stamp - Werkssachverständiger
 Sello del Inspector



| | | | | | | | | | | | |
|---|--------------------------------|------------------------|---|--|------------|---|--------|--|---|---|------|
| Certificate type - APZ Nach Certificado tipo | | EN 10204/3.1 | | Certificate n° - Prüf-Nr Certificado n° | | 205952 | | Date - Datum - Fecha | | 29 - 09 - 2014 | |
| Our order N° Werks - Nr N° de Referencia | | 540975 | | Heat Schmelze Colada | | 372805 | | Your order N° Bestell - Nr Pedido N° | | OL6243 | |
| Steel Grade Werkstoff Calidad | | 316-S-11 AV | | According to Entsprechend Corresponde | | BS 970:PART 3:1991. | | | | | |
| Shape and Size - Gegenstand Perfil y dimensión | | HEXAGON 18,03 mm | | Tolerance - Toleranz Tolerancia | | h 11 /DIN 176 | | Bundles Bunde Bultos | | 6 Stäbe Barras | |
| Weight Gewicht Peso | | 3241 Kg | | | | | | | | | |
| Requirements - Anforderungen - Exigencias | | | | | | | | | | | |
| EN 10.088-3.2005. EN 10.272-2007. ASTM A 182 / A 182M-14a. ASTM A 479 / A 479M-14. ASTM A 276-13a. ASME SA 479 / SA 479M-13 SAE AMS 5653H-12. NACE MR-0175-2003/ISO 15156-3 2009. 316S31AV-1.4404-1.4401-Type 316-Type 316L. PED 97/23/EC, Annex I, Paraq.4.3/DGR 97/23/EG | | | | | | Anhang I Absatz 4.3 Certificate/Zertifikat Nr. 348/2008/MUC | | | | | |
| Melting process / Erschmelzungsart / Proceso de Fusión | | | | Heat treatment / Wärmebehandlung / Tratamiento térmico | | | | | | | |
| E.A.F. / A.O.D. | | | | 1060C 4H/Std WATER/WASSER/AGUA | | | | | | | |
| Solution annealed/Abgeschreckt/Hipertempera-Cold drawn/Gezogen/Estrado- | | | | | | | | | | | |
| 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 / Kernschlag / Resiliencia ISO V Jules | | |
| RD. 10,00 mm. | | Min. | 315 | 425 | 600 | 15 | | | | | |
| | | Max. | | | | | | | | | |
| Temperature °C 20 | Spec. N° Probe Nr Pro N° | 1 | 566 | 624 | 679 | 36 | 39 | 69 | 207 | | |
| Min. | C | Si | Mn | P | S | Cr | Mo | Ni | Cu | N | Co |
| Max. | 0,030 | 1,00 | 2,00 | 0,045 | 0,030 | 18,50 | 2,50 | 14,00 | 0,70 | | |
| | 0,020 | 0,44 | 1,66 | 0,035 | 0,028 | 16,95 | 2,05 | 11,10 | 0,40 | 0,0240 | 0,17 |
| Visual and dimensional inspection Besichtigung und Ausmessung Control visual y dimensional | | | Radioactivity inspection Radioaktivitätskontrolle Control de Radioactividad | | | Antimixing test Spektrale Verwechslungspr Antimezcla | | | Grain Size Korngröße Tamaño de grano | | |
| O.K. | | | O.K. | | | O.K. | | | | | |
| Remarks - Bemerkungen - Observaciones | | | | | | | | | | | |
| IC test acc./IK prüfung nach ASTM A 262 E.02. OK Crack control/Rissgeprüft acc. EN 10277-1 class 2. OK | | | | | | | | | | EDV / EDP Acc. EN 10.204 Alfredo Molina Certification Mng. Works Inspector Der Werkssachverständige Inspector de fábrica | |
| F10542 7/16" JIC Union Bulhead c/w Lock Nut 10K | | | | | | | | | | | |

FLOW TECHNOLOGY LTD
TEST CERTIFICATE
VERIFIED TRUE
COPY OF ORIGINAL