

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

3

Certificate type - APZ Nach Certificado tipo	Certificate n° - Prüf-Nr Certificado n°	363144	Date - Datum - Fecha 17 - 09 - 2018
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Our order N° Werks - Nr N° de Referencia	667811	Heat Schmelze Colada	459909	Your order N° Bestell - Nr Pedido N°	OL8594
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Steel Grade Werkstoff Calidad	316-S-11 MECAMAX	According to Entsprechend Corresponde	BS 970:PART 3:1991 & EN 10088-3/95
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Shape and Size - Gegenstad Perfil y dimensión HEXAGON 42,42 mm	Tolerance - Toleranz Tolerancia h 11 /DIN 176	Bundles Bunde Bultos	2	Bars Stäbe Barras	30	Weight Gewicht Peso	1170 Kg
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Requirements - Anforderungen - Exigencias							
<div style="border: 2px solid red; padding: 10px; width: fit-content; margin: auto;"> <p>FLOW TECHNOLOGY LTD TEST CERTIFICATE VERIFIED TRUE COPY OF ORIGINAL</p> </div>							

Melting process / Erschmelzungsart / Proceso de Fusión E.A.F. / A.O.D.	Heat treatment / Wärmebehandlung / Tratamiento térmico 1060C 4H/Std WATER/WASSER/AGUA
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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	474	570	675	36	39	69	212

	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	0,56	1,57	0,033	0,028	17,13	2,02	11,16	0,43	0,0175	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 Spektrsk Verwechlungspr Antimezcla	O.K.	Grain Size Korngröße Tamaño de grano	5-6 ASTM E-112-13
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Remarks - Bemerkungen - Observaciones	
Crack control/Rissgeprüft acc. EN 10277-1 class 2. OK No welding or weld repair. Free from mercury or radio-activity contamination. F14466 1" X 3/8" BSPP C/S M/M RED ADAPTOR 10K 316L	EDV / EDP Acc. EN 10.204 Marian Tejado Quality Mng. Works Inspector Der Werkssachverständige Inspector de fábrica

We hereby certify that material described herein complies with the requirements agreed on the order.