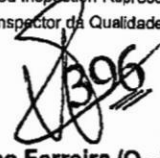
 Bollinghaus Steel, SA DIN EN ISO 9001:2008 TÜV CERT No. 01 100 030458	Abnahmeprüfzeugnis/Mill Test Certificate/Certif. de Qualidade EN 10204:2004 / 3.1										No.: / Nr.: /Nr.: 0000137277				
	Unsere Innere Verwelsung /Our Int. Ref/ N/ ref int 5600038577 000010										Datum / Date / Data 09.01.2018				
Spezifikation / Standards / Normas 1.4401/1.4404 acc. to EN 10088-3:2014 (Condition 1D), TYPE 316/UNS S31600 and TYPE 316L/UNS S31603 acc. to ASTM A276/A276M-16a, ASTM A479/A479M-16a, ASME SA276/SA276M-2015, ASME SA479/SA479M-2015, execution as per ASTM A484/A484M-16.															
Kunde / Customer / Cliente Amodil Supplies LTD. Cleobury Mortimer - Forest Park DY14 9BD Kidderminster							Endgültiger Kunde / Final Customer / Cliente Final Amodil Supplies LTD. Cleobury Mortimer - Forest Park DY14 9BD Kidderminster								
Bestell Nr./Order Nr./ Enc.Nr. B02022							Bestell Nr./ Order Nr./ Enc.Nr. B02022.1								
Produktgruppe / Product Group / Grupo Produto AISI 316/L SQ 3"					Gewicht / Weight / Peso 2.268 kg				Bunde / Bundle / Atados 04						
Werkstoff-Nr. / Material-no. / Qualidade 1.4404				Werkstoff-Normbezeichnung / Material standard grade / Norma do material X 2 CrNiMo 17-12-2											
Beschreibung / Description / Descrição Stainless steel square bars, hot rolled, heat treated, straightened and pickled											FLOW TECHNOLOGY LTD TEST CERTIFICATE VERIFIED TRUE COPY OF ORIGINAL				
Chemische Analyse in % / Chemical composition In % / Análise química em %															
Schmelzen Nr. / Cast nr. / Fusão nr.															
56171696		C	0.019	Si	0.510	Mn	1.580	P	0.034	S	0.026	Cr	16.630	Ni	10.110
EAF+AOD		Mo	2.040	Co	0.249	Cu	0.530	N	0.052	Ti	0.003	Al	0.006	-	-
Proben Nr. / Test no. / Amostra no.	ISO 148-1			DIN EN ISO 6892-1											
	Kerbschlagarbeit / Impact Test / Resiliência			Streckgrenze / Yield point / Tensão limite		Dehngrenze 1% point / Limite de extensão		Zugfestigkeit / Tensile strength / Tensão de rotura		Dehnung / Elongation / Alongamento		Einschnürung / Reduction of area / Coef. Estricção			
	{Charpy V}			Rp 0,2 %		Rp 1,0%		Rm		A5 4D		Z			
	[J]			[MPa]		[MPa]		[MPa]		[%] [%]		[%]			
3067511.01.01		212.0			321		371		621		63.1 65.2		70.1		
3067511.01.02		209.0			332		374		629		62.7 64.2		69.2		
Visuelle Kontrolle / Visual inspection / Inspeção visual		<input checked="" type="checkbox"/> Ok		DIN EN ISO 6506-1 Härte / Hardness / Dureza 177 [HB]				DIN EN ISO 3651 - 2A Korrosionsbeständigkeit / IC Test / Corrosão Intermetálica <input checked="" type="checkbox"/> Ok				Wärmebehandlung / Heat treatment / Tratamento térmico Solution annealing 1050 °C (Water quenched)			
ASTM A484 Maßkontrolle / Dimensional inspection / Inspeção dimensional		<input checked="" type="checkbox"/> Ok		Korngröße / Grain size / Tamanho de grão -				Abnahmebeauftragter / Authorized Inspection Representative / Inspector da Qualidade  Vasco Ferreira (Q - VF)							
Verwechslungsprüfung / Test of identity / Teste de identificação		<input checked="" type="checkbox"/> Ok		Makroskopische Untersuchung / Macrographic test Material free from segregation defects.				<input checked="" type="checkbox"/> Ok							
Bemerkungen / Remarks / Observações Country of origin: Portugal. No weld repair done. Material is free of mercury and radiation contamination. Certified acc. PED 2014/68/EU and AD 2000 W0 Notified Body 0035 - TÜV Rheinland Industrie Service GmbH 01 202 926/Q-02 0040															
Hiermit bestätigen wir, dass das Material der oben genannten Spezifikation entspricht. We confirm that this material meets the specification according to the mentioned standards. Confirmamos que este material respeita as especificações de acordo com as normas referidas.															