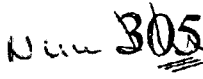
		Abnahmeprüfzeugnis/Mill Test Certificate/Certif. de Qualidade						No.: / Nr.: /Nr.:							
		EN 10204:2004 / 3.1						0000095427							
Bollinghaus Steel, SA DIN EN ISO 9001:2008 TÜV CERT No. 01 100 030458		Unsere innere Verweisung /Our Int. Ref/ N/ ref int						Datum / Date / Data							
		5600021684 000010						30.04.2014							
Normen / Standards / Normas 1.4404 acc. to EN 10088-3: 05, to ASTM A276-10, A479/A479M-13 ASME SA276, SA479/SA479M, ASTM A484/A484M-13 NACE MR 0175-2001															
Kunde / Customer / Cliente						Endgültiger Kunde / Final Customer / Cliente Final									
Bestell Nr./Order Nr./ Enc.Nr. B01657						Bestell Nr./ Order Nr./ Enc.Nr. B01657.1									
Prüfgegenstand / Product / Produto				Gewicht / Weight / Peso				Bunde / Bundle / Atados							
AISI 316/L SQ 3"				2.049 kg				04							
Werkstoff-Nr. Material-no. Qualidade			Werkstoff-Normbezeichnung / Material standard grade / Norma do material												
1.4404			X 2 CrNiMo 17-12-2												
Beschreibung / Description / Descrição Stainless steel square bars hot rolled, heat treated, straightened, pickled.															
Schmelzen Nr. Cast nr. / Fusão nr.		Chemische Analyse in % / Chemical composition in % / Análise química em %													
56140406		C:	0.020	Si:	0.580	Mn:	1.550	P:	0.031	S:	0.027	Cr:	16.710	Ni:	10.080
EAF		Mo:	2.040	Co:	0.380	Cu:	0.390	N:	0.050	Ti:	0.003	W:		V:	
Proben Nr. Test no. Amostra no.		DIN EN 10045			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		A (A50-50mm)		Z (A50-50mm)		
		[J]			[MPa]		[MPa]		[MPa]		[%]		[%]		
3037998.02.01		218			295		344		600		66.5		70.0		
3037998.02.02		215			311		352		609		64.9		68.9		
Visuelle Kontrolle Visual Inspection Inspeção visual		<input checked="" type="checkbox"/> OK		DIN EN 6506-1 Härte Hardness Dureza			170 [HB]			DIN 3651 - 2A Korrosionsbeständigkeit IC Test		<input checked="" type="checkbox"/> OK		Wärmebehandlung Heat treatment Tratamento térmico	
ASTM A484 Maßkontrolle Dimensional Inspection Inspeção dimensional		<input checked="" type="checkbox"/> OK		Korngröße Grain size Tamanho de grão			Werksachverständiger Quality Control Representative Inspector da Qualidade					Solution annealing 1050 °C (Water quenched)			
Verwechslungsprüfung Test of identity Teste de identificação		<input checked="" type="checkbox"/> OK		Makroskopische Untersuchung Macrographic test			 David Reis (ø - DR)								
				Material free from segregation defects.			<input checked="" type="checkbox"/> OK		Bollinghaus Steel, SA						
Bemerkungen / Remarks / Observações						Hiermit bestätigen wir, dass das Material der oben genannten Spezifikation entspricht.									
Country of origin: Portugal. No weld repair done.						We confirm that this material meets the specification according the mentioned standards.									
Material is free of mercury and radiation contamination.						Confirmamos que este material respeta as especificações de acordo com as normas referidas.									
Certified acc. PED 97/23/EC-EN 764-5 and AD 2000 W0															
Notified Body 0035 - TÜV Rheinland Industrie Service GmbH															
01 202 926/Q-02 0040															

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3/4" NPT F/F/F/F Equal Cross 10K