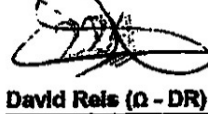
 <p>Bollinghaus Steel, SA DIN EN ISO 9001:2008 TÜV CERT No. 01.100.030458</p>	Abnahmeprüfzeugnis/NIK Test Certificate/Certif. de Qualidade EN 10204:2004 / 3.1		No.: / Nr.: /Nº.: 0000102384												
	Unsere Innere Verweisung /Our Int. Ref/ N/ ref Int 5600024793 000020		Datum / Date / Data 19.02.2015												
Normen / Standards / Normas 1.4401/1.4404 acc. to BS EN 10088-3:2005 "Improved Machinability" I.C.C. Tested to ASTM A262-10 Practice E, valid in dual certified as AISI 316/316L acc. to ASTM 276-13a, ASTM A479/A479M-13, NACE MR 0175, NACE MR 010															
Kunde / Customer / Cliente Hi-Tech Special Steels Limited Rotherham Road S25 3RF Sheffield		Endgültiger Kunde / Final Customer / Cliente Final Hi-Tech Special Steels Limited Rotherham Road S25 3RF Sheffield													
Bestell Nr./Order Nr./ Enc.Nr. 004810		Bestell Nr./ Order Nr./ Enc.Nr. 004810.11													
Produktgruppe / Product Group / Grupo Produto AISI 316L FLAT 52.80 x 33.80 mm		Gewicht / Weight / Peso 5.446 kg	Bunde / Bundle / Atados 05												
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 flat bars, hot rolled, annealed, pickled, straightened.															
Schmelz Nr. Cast nr. / Fusão nr.		Chemische Analyse in % / Chemical composition in % / Análise química em %													
56142026		C:	0.019	Si:	0.560	Mn:	1.480	P:	0.030	S:	0.025	Cr:	16.710	Ni:	10.120
EAF		Mo:	2.040	Co:	0.395	Cu:	0.380	N:	0.063	Ti:	0.002	W:	-	V:	-
Proben Nr. Test no. Amostra no.	DIN EN 10045		ISO 6892-1												
	Kerbschlagarbeit Impact Test Resiliência (Charpy V)		Streckgrenze Yield point Tensão limite Rp 0,2 %		Dehngrenze 1% point Limite de extensão Rp 1,0%		Zugfestigkeit Tensile strength Tensão de rotura Rm		Dehnung Elongation Alongamento A (A5/40)		Einschnürung Reduction of area Coef. Estricção Z				
	[J]		[MPa]		[MPa]		[MPa]		[%]		[%]				
	3043225.03.01		230		288		335		601		65.9		79.0		
3043225.03.02		228		299		342		605		67.0		80.0			
3043225.03.03		225		308		344		616		67.2		81.3			
Visuelle Kontrolle Visual inspection Inspeção visual		<input checked="" type="checkbox"/> Ok		DIN EN 6506-1 Härte Hardness Dureza [HB]		151		DIN EN ISO 3651 - 2A Korrosionsbeständigkeit IC Test Corrosão Intermetálica		<input checked="" type="checkbox"/> Ok		Wärmebehandlung Heat treatment Tratamento térmico			
DIN EN 10058 Maßkontrolle Dimensional inspection Inspeção dimensional		<input checked="" type="checkbox"/> Ok		Korngröße Grain size Tamanho de grão		-		Werksachverständiger Quality Control Representative Inspetor de Qualidade		Solution annealing 1050 °C (Water quenched)					
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		David Reis (Q - DR)		Bollinghaus Steel, SA			
Bemerkungen / Remarks / Observações Country of origin: Portugal. No weld repair done. Material is free of mercury and radiation contamination. Certified acc. PED 97/23/EC-EN 784-5 and AD 2000 W0 Notified Body 0036 - 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.										