

 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.: 0000102388					
	Unsere innere Verweisung /Our Int. Ref/ N/ ref int 5600024793 000060		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. 004810.15					
Produktgruppe / Product Group / Grupo Produto AISI 316L FLAT 65.50 x 40.15 mm		Gewicht / Weight / Peso 3.347 kg		Bunde / Bundle / Atados 03				
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.								
Schmelzen Nr. Cast nr. / Fusão nr.		Chemische Analyse in % / Chemical composition in % / Análise química em %						
56142026 EAF		C: 0.019 Mo: 2.040	Si: 0.560 Co: 0.395	Mn: 1.480 Cu: 0.380	P: 0.030 N: 0.053	S: 0.025 Ti: 0.002	Cr: 16.710 W: -	Ni: 10.120 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 {A5/4D}	Einschnürung Reduction of area Coef. Estricção Z	
	[J]		[MPa]	[MPa]	[MPa]	[%]	[%]	
	3043223.02.01 3043223.02.02		223 226	290 298	339 350	615 619	63.2 61.5	76.3 75.0
Visuelle Kontrolle Visual inspection Inspeção visual <input checked="" type="checkbox"/> Ok		DIN EN 6506-1 Härte Hardness Dureza 157 [HB]		DIN EN ISO 3651 - 2A Korrosionsbeständigkeit IC Test Corrosão Intercristalina <input checked="" type="checkbox"/> Ok		Wärmebehandlung Heat treatment Tratamento térmico Solution annealing 1050 °C (Water quenched)		
DIN EN 10058 Maßkontrolle Dimensional inspection Inspeção dimensional <input checked="" type="checkbox"/> Ok		Korngröße Grain size Tamanho de grão		Werksachverständiger Quality Control Representative Inspector da Qualidade				
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)				
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 764-5 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.				
Bollinghaus Steel, SA								

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1/2" NPT F/F/F/F FXD CROSS 10K 316L