


**FLOW TECHNOLOGY LTD**

**TEST CERTIFICATE  
VERIFIED TRUE  
COPY OF ORIGINAL**

		Abnehmerprüfzeugnis / Test Certificate / Certificate of Quality EN 10204 2004 / 3.1		No. / No. / No. 0000146739	
Bollinghaus Steel, SA DIN EN ISO 9001:2008 TÜV CERT No. DL 300 030454		Unsere / Ihre / Your / Our / Ref. N. / Ref. No. 35U0042836 000010		Datum / Date / Date 10.10.2018	
Spezifikation / Standards / Normas 1.4401/1.4404 acc. to EN 10088-3:2014 TYPE 316LUNS31600 and TYPE 316LUNS 31603 acc. to ASTM A276/A276M-17, ASTM A778/A778M-16, ASTM A202-15, ENCE MR0170-2015 and ENCE MR0103-2015, execution as per EN 10088:2003, with size tolerances +0/-0.1mm.					
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 No./Encom. 005530			Bestell-Nr./Order No./Encom. 005530.04		
Produktgruppe / Product Group / Grupo Produto AISI 316L FLAT 52.80 x 40.10 mm		Gewicht / Weight / Peso 5.687 kg		Bunde / Bundos / Atados 06	
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, heat treated, straightened and packed					
Zertifikat-Nr. Cert. n.º / Fichas n.º 36181375					
Chemische Analyse in % / Chemical composition in % / Análise química em %					
C 0.024 Si 0.040 Mn 1.450 P 0.031 S 0.028 Cr 18.760 Ni 10.160		EAF-AOD Mo 2.040 Co 0.200 Cu 0.200 N 0.061 Ti 0.005 Al 3.006			
ISO 148-1 Kerbschlagenergie Impact Test Resistência (Charpy V)		DIN EN ISO 6892-1 Zugfestigkeit Tensão de ruptura (Rp 0.2 %)		DIN EN ISO 6892-1 Zugfestigkeit Tensão de ruptura (Rm)	
229 J 227 J 226 J		254 261 265		266 295 301	
3073964.06.01 3073964.06.02 3073964.06.03		374 381 385		36.0 36.7 36.6	
39.4 38.7 38.6		72.0 71.5 70.6		70.6	
Verformungsprüfung Strain inspection Inspeção Visual		DIN EN ISO 6506-1 HBW Indentação Dureza		DIN EN ISO 3651 - 2A Oberflächenbeschaffenheit Acabamento Inspeção Visual	
OK OK		45 150		OK OK	
DIN EN 10058 Maßstabprüfung Dimensional inspection Inspeção dimensional		Oberflächenprüfung Visual inspection Inspeção visual		Wärmebehandlung Heat treatment Tratamento térmico	
OK OK		OK OK		Solution annealing 1050 °C (Water quenched)	
Verformungsprüfung Test of identity Prova de identidade		Identifizierung Identification Identificação		OK OK	
OK OK		OK OK		Bolinghaus Steel, SA	
Bemerkungen / Remarks / Observações Country of origin: Portugal. No need repair date. Material is free of mercury and cadmium contamination.					
Material description, nr, and the material der oben genannten Spezifikation entspricht. We confirm that the material meets the specification according the mentioned standards. Confirmamos que este material respeita as especificações de acordo com as normas referidas.					

IS-SPG03-10.CA

15/10/18

**F14838  
1/2" NPT F/F/F TEE 10K 316L**