
	Abnahmeprüfzeugnis/IMI Test Certificate/Certif. de Qualidade EN 10204:2004 / 3.1		No.: / Nr.: / Nr.: 0000085523					
	Unsere innere Verweisung /Our Int. Ref/ N/ ref int 5600017361 000040		Datum / Date / Data 20.12.2012					
BÖllinghaus Portugal Aços Especiais, SA DIN EN ISO 9001:2008 TÜV CERT No. 01 100 030458								
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 276-10, ASTM A479/A479M-11, NACE MR 0175, NACE MR 0103.								
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. 004235		Bestell Nr./ Order Nr./ Enc.Nr. 004235.11						
Prüfgegenstand / Product / Produto AISI 316L FLAT 65 x 40 mm		Gewicht / Weight / Peso 1,083 kg		Bunde / Bundle / Atados 01				
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.								
FLOW TECHNOLOGY LTD TEST CERTIFICATE VERIFIED TRUE COPY OF ORIGINAL								
Schmelzen Nr. Cast nr. / Fuelle nr.		Chemische Analyse in % / Chemical composition in % / Análise química em %						
561790		C: 0.019	Si: 0.500	Mn: 1.500	P: 0.037	S: 0.027	Cr: 16.860	Ni: 10.080
EAF		Mo: 2.010	Co: 0.134	Cu: 0.350	N: 0.056	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 Rp 1,0%	Zugfestigkeit Tensile strength Tensão de rotura Rm	Dehnung Elongation Alongamento A (A50-50mm)	Einschnürung Reduction of area Coef. Estricção Z (A50-50mm)	
		[J]	[MPa]	[MPa]	[MPa]	[%]	[%]	
		3030652.01.01	223	295	344	641	62.1	78.4
Visuelle Kontrolle Visual inspection Inspeção visual		DIN EN 6506-1 Härte Hardness Dureza 159 [HB]		DIN 3851 - 2A Korrosionsbeständigkeit IC Test Corrosão Intermetálica <input checked="" type="checkbox"/> Ok		Wärmehandlung Heat treatment Tratamento térmico Solution annealing 1050 °C (Water quenched)		
EN 10068 Maßkontrolle Dimensional inspection Inspeção dimensional		Korngröße Grain size Tamanho de grão		Werkzeuherständer Quality Control Representative Inspector de Qualidade  David Reis				
Verwechslungsprüfung Test of identity Teste de identificação		Metallographische 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 97/23/EC-EN 764-5 and AD 2000 W0 Notified Body 0035 - TUV Rheinland Industrie Service GmbH 01 202 928/0-02 0040				Böllinghaus Portugal - Aços Especiais, SA Hiermit bestätigen wir, dass das Material der oben genannten Spezifikation entspricht. We confirm that this material meets the specification according the mentioned standards. Confirmamos que este material respeita as especificações de acordo com as normas referidas.				

I29.A PP

F10016 - 1/2" NPT F/F/F/F FXD CROSS 10K 316L

8/1/13