

 Bollinghaus Steel, SA DIN EN ISO 9001:2008 TÜV CERT No. 01 100 030458	Abnahmeprüfzeugnis/Mill Test Certificate/Certif. de Qualidade		No.: / Nr.: /Nr.: 0000138510												
	EN 10204:2004 / 3.1		Unsere Innere Verweisung /Our Int. Ref/ Ni ref int												
		5600039125 000010		Datum / Date / Data 09.02.2018											
Spezifikation / Standards / Normas															
1.4401/1.4404 acc. to EN 10088-3:2014, TYPE 316/UNS31600 and TYPE 316L/UNS 31603 acc. to ASTM A276/A276M-16a, ASTM A479/A479M-16a, ASTM A262-15 Pract. E, NACE MR0175-2015 and NACE MR0103-2015, execution as per EN 10058:2003, with size tolerances +0/-1 mm															
Kunde / Customer / Cliente			Endgültiger Kunde / Final Customer / Cliente Final												
Bestell Nr./Order Nr./ Enc.Nr. 005381			Bestell Nr./ Order Nr./ Enc.Nr. 005381.1												
Produktgruppe / Product Group / Grupo Produto		Gewicht / Weight / Peso		Bunde / Bundle / Atados											
AISI 316L FLAT 40,2 X 27,5 MM		5.679 kg		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, heat treated, straightened and pickled															
Schmelzen Nr. Cast nr. / Fusão nr.		Chemische Analyse in % / Chemical composition in % / Análise química em %													
56171943		C	0.017	Si	0.500	Mn	1.540	P	0.040	S	0.028	Cr	16.880	Ni	10.040
EAF+AOD		Mo	2.060	Co	0.212	Cu	0.320	N	0.049	Ti	0.003	Al	0.005	-	-
Proben Nr. Test no. Amostra no.		ISO 148-1			DIN EN ISO 6892-1										
		Kerbschlagarbeit Impact Test Resiliência		Streckgrenze Yield point Tensão limite		Dehngrenze 1% point Limite de extensão		Zugfestigkeit Tensile strength Tensão de ruptura		Dehnung Elongation Alongamento		Einschnürung Reduction of area Coef. Estricção			
		{Charpy V}		Rp 0,2 %		Rp 1,0%		Rm		A5		4D			
		[J]		[MPa]		[MPa]		[MPa]		[%]		[%]			
3067880.02.01		234.0		257		308		609		63.5		65.4			
3067880.02.02		231.0		263		314		614		62.8		64.9			
3067880.02.03		227.0		270		321		619		61.9		64.2			
Visuelle Kontrolle Visual inspection Inspeção visual		<input checked="" type="checkbox"/> OK		DIN EN ISO 6506-1 Härte Hardness Dureza 144 [HB]		DIN EN ISO 3651 - 2A Korrosionsbeständigkeit IC Test Cerção Intermetálica <input checked="" type="checkbox"/> OK		Wärmebehandlung Heat treatment Tratamento térmico		Solution annealing 1050 °C (Water quenched)		 Vasco Ferreira (Ω - VF)			
DIN EN 10058 Maßkontrolle Dimensional inspection Inspeção dimensional		<input checked="" type="checkbox"/> OK		Korngröße Grain size Tamanho de grão		Abnahmebeauftragter Authorized Inspector Representative Inspector da Qualidade		 415/218							
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											
Bemerkungen / Remarks / Observações															
Country of origin: Portugal. No weld repair done. Material is free of mercury and radiation contamination.				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.											

I3.SPG03-10.CA

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1/4" NPT F/F/F FXD TEE 10K 316L