

 <p>Böllinghaus Steel Lda. Trav. da Indústria 6 2430-668 Vieira de Leiria ISO 9001:2015 EN 9100:2018 CERT No. 01 100 030458 01 117 1800364</p>	Abnahmeprüfzeugnis/Mill Test Certificate/Certificado de Qualidade EN 10204:2004 / 3.1	Cert.No.: 1180552.1
	Unsere innere Verweisung /Our Int. Ref. / Ref. int. 5600067988 / 000100	Datum / Date / Data 30.04.2024
	Produktgruppe / Product Group / Grupo Produto AISI 304/L FLAT 3/4 X 2" 1.4307 / X 2 CrNi 18-9	
Bestell Nr./Order Nr./Enc.Nr.: LB4855	Gewicht/ Weight/ Peso 9.050 LB	Bunde/Bundles/Atados 8
Bestell Nr./Order Nr./Enc.Nr.: LB4855.22	Beschreibung / Description / Descrição Stainless steel flat bars, in hot rolled, heat treated, straightened and pickled	
Normen / Standards / Normas TYPE 304/UNS S30400 TYPE 304L/UNS S30403 ASTM A182/A182M-23 ASTM A276/A276M-23 ASTM A314-23 ASTM A479/A479M-23a ASME SA-182/SA-182M 2023 ASME SA-479/SA-479M 2023 SAE AMS 5639 K SAE AMS 5647 M SAE AMS QQ-S 763 D NACE MR0175/ISO 15156:2015 ASTM A484/A484M-23a ASTM E10-23 ASTM A370-23 ASTM E112-13(R2021) ASTM A262-15(R2021) Pract. E - Conform		
Chemische analyse in % / Chemical composition in % / Análise química em %		
C 0,017 Si 0,307 Mn 1,680 P 0,033 S 0,0246 Cr 18,050 Ni 8,060 Mo 0,370 Co 0,162 Cu 0,559 Ca 0,001 N 0,0730 Ti 0,0030 Nb 0,019 V 0,090 Al 0,005 W 0,029 Sn 0,012 Ta 0,001 Nb+Ta0,020		
Schmelzen Nr./Cast nr./Fusão nr.	56240343	
Erschmelzungsart/Melting Process/Processo de Fundição	EAF+AOD	
Wärmebehandlung/Heat treatment/Tratamento térmico	Solution annealed 1050°C (1922°F)	
Visuelle Kontrolle/Visual Inspection/Inspeção Visual	OK	
Mak. Untersuchung/Macrographic Test/T.Macr.	OK	
Proben Nr./Test no./Amostra nr.:	5191520.01	3116670.01
	#1	
Härte/Hardness/Dureza [HB]	175	
Kerbschlagarbeit/Impact Test/Resiliência Charpy-V [J]	237	
Streckgrenze/Yield point/Tensão Limite Rp 0,2% [Ksi]	42	
Dehngrenze/1% Point/Limite de Extensão Rp 1,0% [Ksi]	48	
Zugfestigkeit/Tensile Strength/Tensão de Rótura Rm [Ksi]	90	
Dehnung/Elongation/Alongamento A5 [%]	55,0	
Dehnung/Elongation/Alongamento 4D [%]	58,4	
Einschnürung/Reduction of Area/Coef. Estrição Z [%]	76,1	
Korngröße/Grain Size/Tamanho de Grão	9	
Antimixing checked. Material is free of mercury and radiation contamination. No weld repair done. We confirm that this material meets this specification according the mentioned standards. US DFAR 252.225-7009: MELT SOURCE: United Kingdom/ MFG: Portugal		Abnahmebeauftragter Authorized Inspection Representative Rep. Inspeção Autorizado  Nuno Silva (BS-NS)