

Notified Body for Pressure Equipment Directive (PED), Reg. No. 0045
 Scope of approval for material manufacturer acc. to Pressure Equipment Directive 2014/68/EU,
 annex I, pt. 4.3 and AD 2000-Merkblatt W0 / AD2000-Guidelines W0

Firm: Outokumpu Stainless Oy
 Place: FI - 95490 Tornio

Annex to Certificate
 DGRL-Nr.: 07/202/1326/WZ/0567/14
 AD 2000-W0-Nr.: 07/203/1326/WP/0567/14

Date : 09/01/2016 / MDm
 TÜV-File: 1326WL056740 / 1326WL056760-02
 SAP 8111059602 / 8113850546 (Rev. 02)

Item No.	Material Designation Material number	Material Specification	Delivery Condition	Article Type of product	Dim. [mm] Thickness	Dim. Ø [mm] Weight [kg, t]	Techn. Specification Requirements	Remarks
1	2	3	4	5	6	7	8	9
1.1.	Austenitischen Stähle Austenitic steels	EN 10028-7	+AT	Kalt gewalzt / cold rolled Band und Blech aus Band Strip and plate from strip Warm gewalzt / hot rolled Band und Blech aus Band Strip and plate from strip	0,4 - 6,35 1,8 - 13,0		Richtlinie 2014/68/EU Directive 2014/68/EU EN 13445-2 EN 13480-2	Certified acc. to PED annex I, pt. 4.3 by the Notified Body of TÜV NORD Systems (Reg. no. 0045). *) Warm gewalzt / hot rolled
1.2	Ferritischer Stahl Ferritic steel X2CrNi12 (1.4003) *) X2CrTiNb18 (1.4509) X3CrTi17 (1.4510) X2CrMoTi18-2 (1.4521) X2CrTiNbVCu22 (1.4622)	EN 10028-7	+A	Kalt gewalzt / cold rolled Band und Blech aus Band Strip and plate from strip	0,4 - 6,35 1,8 - 6,35 0,4 - 4,0 0,4 - 4,0 0,4 - 4,0			1) Gleichmäßigkeit über Bandlänge überprüft Uniformity over the strip length approved TUV NORD-Az. / file: 0121WP115180 and 0121W162560 Walzwerk / Rolling mill RAP5: TUV NORD-Az. / file: 3437WL15830
2.1	Austenitischen Stähle Austenitic steels 1)	EN 10028-7	+AT	Kalt gewalzt / cold rolled Band und Blech aus Band Strip and plate from strip Warm gewalzt / hot rolled Band und Blech aus Band Strip and plate from strip	0,4 - 6,35 1,8 - 13,0		AD2000-W2 / W10 TRG 201 / 203	



Explanation: +AT / AT = solution heat treated and deterrred; N = Normalized or normalizing rolled / forming;
 NT = normalized and tempered; +QT / V = quenched and tempered; M = thermo mechanical treated
 AR = without annealing; SR = stress relieved; A = soft annealed; CR = controlled hot rolled

Hints for materials use acc. to Directive 2014/68/EU : The specific material operation conditions have to be approved by pressure equipment manufacturer and by the notified body in charge

TÜV NORD Systems GmbH & Co. KG



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2.2	X1NiCrMoCuN25-20-5 (1.4539) Polarit 774	VdTÜV-Werkstoffblatt 421 VdTÜV-Material-Guidelines 421 2)	+AT	Kalt gewalzt / cold rolled Band und Blech aus Band Strip and plate from strip Warm gewalzt / hot rolled Band und Blech aus Band Strip and plate from strip	0,4- 6,35 1,8 - 13,0		AD2000-W2 / W10 und Geltungsbereich VdTÜV-Werkstoffblatt and scope of VdTÜV- Material-Guidelines	2) Eignungsfeststellung Approval of the material TUV NORD-Az. / file: 0121W159760; 121W174760
3	X2CrNiMoN17-13-5 (1.4439) Polarit 772	VdTÜV-Werkstoffblatt 405 VdTÜV-Material-Guidelines 405 3)	+AT	Kalt gewalzt / cold rolled Band und Blech aus Band Strip and plate from strip Warm gewalzt / hot rolled Band und Blech aus Band	0,4- 6,35 1,8 - 13,0		AD2000-W2 / W10 im Geltungsbereich VdTÜV-Werkstoffblatt within scope of VdTÜV- Material-Guidelines	3) Einzelgutachten gem. AD2000-Merkblatt W0 durch TÜV NORD Single approval acc. to AD2000-Guideline W0 by TÜV NORD
4	Bauprodukte Steel for constructions Austenitische Stähle Austenitic steel Ferritische Stähle Ferritic Steel	DIN EN 10088-4 Z-30.3-6 1.4003 1.4016 1.4509 1.4510 1.4512 1.4521	+AT	Kalt gewalzt / cold rolled Band, Blech aus Band Strip and plate from strip Warm gewalzt / hot rolled Band, Blech aus Band Strip and plate from strip 4)	0,4- 6,35 1,8 - 13,0		BauPVO / CPR CE-Zeichen/ CE-Mark Bauregelliste A, Teil 1 "Ü-Zeichen" / "Ü-Mark"	Details of the certification are published in the certificate 0045-CPR-0567 of the Notified Body of TÜV NORD Systems. 4) Werkstoffbeurteilung "kalt gewalzt" Approval of the material "colled rolled" TUV NORD-Az. / file: 0121WL15830 / 8110 518 889



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5	Bauprodukte Steel for construction Austenitische Stähle Austenitic steels 1.4318 S 460 1.4307 S 355 1.4307 S 460 1.4301 S 355 1.4301 S 460 1.4401 S 355 1.4401 S 460 1.4404 S 355 1.4404 S 460 1.4571 S 355 1.4571 S 460	DIN EN 10088-4 Z-30.3-6	Kaltverfestigt Cold worked	Flachprodukte gem. Z-30.3-6, Anhang 1, Tabelle 1. Flat products acc. to Z-30.3-6, Annex 1, Table 1.	1,5 – 5,5 1,8 – 5,8 1,5 – 4,0 1,8 – 5,8 1,5 – 5,5 1,8 – 5,8 1,5 – 4,0 1,8 – 5,8 1,5 – 5,5 1,8 – 5,8 1,5 – 5,5		Bauregelliste A, Teil 1 "Ü-Zeichen" / "Ü-Mark"	Doc.: STW-ZE-AD2000 W0_PED_Geltungsbereich-FB-320_ eng Rev 01/07.16



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