

TÜV NORD Systems GmbH & Co. KG



Geltungsbereich als Anlage zum Zertifikat / Scope of Approval as annex to Certificate

X Richtlinie 2014/68/EU, Anh. I, Pkt. 4.3 / Directive 2014/68/EU, Ann. I, Point 4.3. Zertifikat-Nr. / Certificate No.: **071202/9080/WZ/1246/21**

X AD 2000-Merkblatt W 0 / AD 2000-Merkblatt W 0 Zertifikat-Nr. / Certificate No.: **071203/9080/WP/1246/21**

Firma / Company:		Ort / Location:		AZ / File No.:	SAP-Nr.:	Datum / Date:		
A.D. TUBI INOSSIDABILI S.p.A. Piazza Sant'Ambrogio 8, 20123, Milano (MI)		Via Adige 2 22070 Casnate con Bernate (CO)		9080AW_1246/21	8119727267	04.11.2021		
Nr.	Werkstoffbezeichnung Material designation	Spezifikation Specification	Lieferzustand* Delivery cond.*	Erzeugnisform Product type	Abmessungen Dimensions Dicke Thickness [mm]	Ø / Gewicht Ø / Weight [mm] / [kg]	Prüfgrundlagen Test specifications	Bemerkungen Remarks
1	2	3	4	5	6	7 / 8	9	10
1 Werkstoffe nach harmonisierten Normen (2014/68/EU) / Materials according to harmonized standards (2014/68/EU)								
1.1	Austenitic steels X5CrNi18-10 (1.4301) X2CrNiMo17-12-2 (1.4404) X2CrNiMo18-15-4 (1.4438) X6CrNiTi18-10 (1.4541) X1NiCrMoCuN25-20-5 (1.4539) X1NiCrMoCuN25-20-7 (1.4529) X2CrNi19-11 (1.4306) X2CrNi 18 9 (1.4307) X1CrNiMoCuN20-18-7 (1.4547) X2CrNiN18-10 (1.4311) X5CrNiMo17-12-2 (1.4401) X2CrNiMo17-12-3 (1.4432) X2CrNiMo18-14-3 (1.4435) X3NiCrMo17-13-3 (1.4436) X6CrNiMoTi17-12-2 (1.4571)	EN 10217-7	+AT	Welded tubes	1)	1)	Directive 2014/68/EU	1) Approved dimensions according to WPQRs 07 202 9080Z3166/12/V002, 0948/MI/S/T-5384-2014, 0948/MI/S/T-2554-2015, PROSAL-1828-2017, PROSAL-5132-2016, PROSAL-3392-2018, PROSAL-3394-2018, PROSAL-3386-2018, PROSAL-3390-2018, 0948/MI/S/T-4942-2016, PROSAL-1605-2018, PROSAL-1606-2018, PROSAL-5649-2017, PROSAL-1605-2018, PROSAL-1606-2018, PROSAL-2041-2021, 21-331-PQR-394
1.2	Austenitic ferritic steels X2CrNiMoN 22 5 3 (1.4462) X2CrNiN 23 4 (1.4362) X2CrNiMoN 25 7 4 (1.4410)	EN 10217-7	+AT	Welded tubes	2)	2)	Directive 2014/68/EU	2) Approved dimensions according to WPQRs 07 202 9080Z3166/13/V003, 0948/MI/S/T-1949-2015, PROSAL-3393-2018, PROSAL-1516-2018, PROSAL-4867-2018

Erläuterung / Explanation:

* +AT = Lösungsgeglüht / solution annealed, +N = normalgeglüht, normalisierend umgeformt / normalized and tempered, +NT = normalgeglüht und angelassen / normalized and tempered, +QT = vergütet / quenched and tempered, +M = thermomechanisch umgeformt / thermo mechanical formed, +AR = wie gewalzt / as rolled, +SR = spannungsarmgeglüht / stress relieved, +A = weichgeglüht / cold rolled (weitere Symbole / other symbols: EN 10027-1, Tab. 18)

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X Richtlinie 2014/68/EU, Anh. I, Pkt. 4.3 / Directive 2014/68/EU, Ann. I, Point 4.3. Zertifikat-Nr. / Certificate No.: **071202/9080/WZ/1246/21**

X AD 2000-Merkblatt W 0 / AD 2000-Merkblatt W 0 Zertifikat-Nr. / Certificate No.: **071203/9080/WP/1246/21**

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Nr.	Werkstoffbezeichnung Material designation	Spezifikation Specification	Lieferzustand* Delivery cond.*	Erzeugnisform Product type	Abmessungen Dimensions Dicke Thickness [mm]	Ø / Gewicht Ø / Weight [mm] / [kg]	Prüfgrundlagen Test specifications	Bemerkungen Remarks
1	2	3	4	5	6	7 / 8	9	10
2 Werkstoffe nach AD 2000 / Materials according to AD 2000								
2.1	Austenitic steels X5CrNi18-10 (1.4301) X2CrNiMo17-12-2 (1.4404) X2CrNiMo18-15-4 (1.4438) X6CrNiTi18-10 (1.4541) X2CrNi19-11 (1.4306) X2CrNi18-9 (1.4307) X2CrNi18-10 (1.4311) X5CrNiMo17-12-2 (1.4401) X2CrNiMo17-12-3 (1.4432) X2CrNiMo18-14-3 (1.4435) X3NiCrMo17-13-3 (1.4436) X6CrNiMoTi17-12-2 (1.4571)	EN 10217-7	+AT	Welded tubes	3)	3)	AD 2000 Mbl. W2	3) Approved dimensions according to 0948/MI/S/T-5384-2014, 0948/MI/S/T-2554-2015 PROSAL-1605-2018, PROSAL-1606-2018 PROSAL-2041-2021, 21-331-PQR-394
2.2	Austenitic ferritic steels X2CrNiMoN 25 7 4 (1.4410)	EN 10217-7	+AT	Welded tubes	4)	4)	AD 2000 Mbl. W2	4) Approved dimensions according to WPQRs 07 202 9080Z3166/13/V003, 0948/MI/S/T-1949-2015, 0948/MI/S/T-5120-2015

Erläuterung / Explanation:

* +AT = Lösungsgeglüht / solution annealed, +N = normalgeglüht, normalisierend umgeformt / normalized forming, +U = unbehandelt / untreated, +NT = normalgeglüht und angelassen / normalized and tempered, +QT = vergütet / quenched and tempered, +M = thermomechanisch umgeformt / thermo mechanical formed, +AR = wie gewalzt / as rolled, +SR = spannungsarmgeglüht / stress relieved, +A = weichgeglüht / soft annealed, +CR = kaltgewalzt / cold rolled (weitere Symbole / other symbols: EN 10027-1, Tab. 18)

Geltungsbereich als Anlage zum Zertifikat / Scope of Approval as annex to Certificate

X Richtlinie 2014/68/EU, Anh. I, Pkt. 4.3 / Directive 2014/68/EU, Ann. I, Point 4.3. Zertifikat-Nr. / Certificate No.: **07/202/9080/WZ/1246/21**

X AD 2000-Merkblatt W 0 / AD 2000-Merkblatt W 0 Zertifikat-Nr. / Certificate No.: **07/203/9080/WP/1246/21**

Firma / Company:		Ort / Location:		AZ / File No.:	SAP-Nr.:	Datum / Date:		
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Nr.	Werkstoffbezeichnung Material designation	Spezifikation Specification	Lieferzustand* Delivery cond.*	Erzeugnisform Product type	Abmessungen Dimensions Dicke Thickness [mm]	Ø / Gewicht Ø / Weight [mm] / [kg]	Prüfgrundlagen Test specifications	Bemerkungen Remarks
1	2	3	4	5	6	7 / 8	9	10
3	Werkstoffe nach anderen Standards, Technische Regeln / Materials according to other standards, technical rules							
3.1	Nickel alloys	ASTM B 474 ASTM B 619 ASTM B 468 ASTM B 515 ASTM B 704 ASTM B 730	5)	Welded tubes Welded pipe Welded tubes Welded tubes Welded tubes Welded tube	5)	5)	5)	5) According to technical specification in column 3 6) For information only: If use in area of AD2000 or PED 2014/68/EU a Particulare Material Appraisal (PMA) is necessary
3.2	Titanium alloys	DIN 17866	5)	Welded tubes	5)	5)	6)	
3.3	Titanium alloys Grade 2	ASTM B 338	5)	Welded tubes	5)	5)	6)	
3.4	Austenitic steels X15CrNiSi 20-12 (1.4828) X12CrNi 23-13 (1.4833) X8CrNi 25-21 (1.4845) X2CrTiNb18 (1.4509)	EN 10296-2	5)	Welded tubes	5)	5)	6)	
3.5	Austenitic steels Grades 309H, 310H	ASTM A 249	5)	Welded tubes	5)	5)	6)	

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