



Industrie Service

Geltungsbereich der Überprüfung als Hersteller von Werkstoffen nach DGRL 2014/68/EU, Anhang I, Abschnitt 4.3
Scope of the approval – Manufacturer of material in accordance with PED 2014/68/EU, Annex I, Section 4.3

Anlage zum Zertifikat Nr. / Annex to certificate no.
DGR-0036-QS-W 379/2009/MUC-001 von / dated 2019-12-19

Hersteller / Manufacturer:	Name: Straße/Street: Ort/City:	Michigan Seamless Tube LLC dba MST Seamless Tube and Pipe 400 McMunn Street South Lyon, MI 48178	Werk / plant:	Nationalität/ Country: USA	Datum:/ Date: Rev. 0 2019-12-19	Blatt-Nr./ Page No.: 1 v. / of 2	Zertifizierungsstelle für Druckgeräte / Certification Body for pressure equipment Notifizierte Stelle, Nr. / Notified Body, No. 0036
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Ifd. Nr. / No.	Werkstoffbezeichnung Werkstoff-Nr. / Material Designation Material Grade		Werkstoff- Spezifikation / Material Specification		Liefer- zustand / Delivery Condition	Prüfgegenstand Erzeugnisform / Description Product	Abmessungen / Dimensions				Gewicht / Weight		Prüfgrundlagen Technische Regeln / Requirements Technical Rules		Bemerkungen / Remarks
			Art / Spec.	Nr. / No.			Kürzel / Code	Dicke / Thickness [mm]		Durchm. / Diameter [mm]		1 = t 2 = kg	Wert value	Art / Spec.	
1	2		3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10
01	B	UNS K03006	ASME	SA-106	G	Seamless tubes	2.5	8	19	80					If seamless tubes or pipes are manufactured outside the scope of this approval, a Material Test Certificate according to EN 10204, 3.2 including a Particular material appraisal is necessary. For the use of materials acc. to column 2 till 4 the regulations and limits of the respective standards have to be observed. The specific material operating conditions have to be approved by the pressure equipment manufacturer or respectively by the Notified Body in charge Bericht Nr. / Order no. 72153838 vom / dated 2019-10-07
02	C	UNS K03501	ASME	SA-106	G	Seamless tubes	2.5	8	19	80					
03	--	UNS K01201	ASME	SA-192	G	Seamless tubes	2.4	14	19	102					
04	T1 T1A	UNS K11522 UNS K12023	ASME	SA-209	G	Seamless tubes	2.3	12	25	80					
05	A-1	UNS K02707	ASTM ASME	A-210 SA-210	N/G	Seamless tubes	2.1	16	19	130					
06	C	UNS K03501	ASME	SA-210	N	Seamless tubes	4	16	40	80					
07	T2 T5	UNS K11547 UNS K41545	ASTM ASME	A-213 SA-213	G	Seamless tubes	2	16	25	80					
08	T9 T11 T22	UNS K90941 UNS K11597 UNS K21590	ASTM ASME	A-213 SA-213	N/G or G	Seamless tubes	2	18	19	115					
09	T12	UNS K11562	ASTM ASME	A-213 SA-213	N/G or G	Seamless tubes	4	16	50	80					
10	T91	UNS K90901	ASTM ASME	A-213 SA-213	N	Seamless tubes	2.0	16	19	120					

Erklärung / Explanation: A = lösungsgeglüht und abgeschreckt / solution annealed and quenched L = lösungsgeglüht / solution annealed N = normalgeglüht / normalized S = spannungsarmgeglüht / stress relieved TM = thermomech. behandelt / thermo-mech. treated
 U = ungeglüht / not annealed V = vergütet und angelassen / quenched and tempered CR = temperaturgeregelt warmumgeformt / controlled rolled G = weichgeglüht / annealed
 a = Werkstoffbezeichnung in Spalte 10 / material designation in column 10 b = Lieferzustand in Spalte 10 / delivery condition in column 10 c = Prüfgegenstand in Spalte 10 / object in column 10 d = Abmessung gem. tech. Regeln / dimensions acc. to technical rules
 e = Gewicht gem. tech. Regeln / weight acc. to technical rules f = Nr. der tech. Regeln in Spalte 10 / technical rules in column 10



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			Art / Spec.	Nr. / No.			Kürzel / Code	Dicke / Thickness [mm]		Durchm. / Diameter [mm]		↓	Wert value	Art / Spec.	
1	2		3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10
11	P2	UNS K11547	ASTM	A-335	N/G	Seamless pipes	2.7	18	21	115					<p>If seamless tubes or pipes are manufactured outside the scope of this approval, a Material Test Certificate according to EN 10204, 3.2 including a Particular material appraisal is necessary.</p> <p>For the use of materials acc. to column 2 till 4 the regulations and limits of the respective standards have to be observed. The specific material operating conditions have to be approved by the pressure equipment manufacturer or respectively by the Notified Body in charge</p> <p>Bericht Nr. / Order no. 72153838 vom / dated 2019-10-07</p>
	P5	UNS K41545	ASME	SA-335											
	P9	UNS K90941													
	P12	UNS K11562													
	P11	UNS K11597													
	P22	UNS K21590													
12	P91	UNS K90901	ASTM	A-335	N	Seamless pipes	2.0	16	19	120					
			ASME	SA-335											

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