



Industrie Service

CERTIFICATE

The Notified Body - 0036 -
of TÜV SÜD Industrie Service GmbH

certifies that

Tenaris
Silcotub (S.C. SILCOTUB S.A.)
Bulevardul Mihai Viteazu Nr. 93
RO – 450131 Zalau

has implemented, operates and maintains a

Quality Assurance System in accordance with the
Pressure Equipment Directive 2014/68/EU, Annex I, Section 4.3,
AD 2000-Merkblatt W 0 as well as EN 764-5, Para. 4.2

as a material manufacturer for the scope of

hot rolled and cold drawn seamless steel tubes in ferritic steels.

The scope of the approval is described in the annex to this certificate.
Further details are mentioned in report no. C- 67033154-23.

The manufacturer is therefore authorized to issue certificates of specific product control within the scope of the assessed quality system and in accordance with the Pressure Equipment Directive 2014/68/EU. Possible additional requirements - specific to applied technical specifications to meet PED Annex I - are not affected.

This certificate is valid through 2026-12-31.

In order to adhere the validity an annual surveillance audit is required.

Certificate No.: DGR-0036-QS-W 112/2002/MUC-003
Munich, 2023-12-21

Notified Body, Nr. 0036



(S. Loibl)



EQ3045330

TÜV SÜD Industrie Service GmbH, Westendstr. 199, 80686 Munich, Germany

TÜV®



Industrie Service

**Geltungsbereich der Überprüfung als Hersteller von Werkstoffen nach AD 2000-Merkblatt W 0
Scope of the approval - Manufacturer of material in accordance with AD 2000-Merkblatt W 0**

**Anlage zum Zertifikat Nr. / Annex to certificate no.
DGR-0036-QS-W 112/2002/MUC-003 von / dated 2023-12-21**

Hersteller / Name: Tenaris - Silcotub (S.C. SILCOTUB S.A.)
 Manufacturer: Straße/Street: Boulevard Mihai Viteazu Nr. 93
 Ort/City: 450131 Zalau

Land/ Country: RO
 Datum/ Date: rev. 0
 2023-12-21

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**Zertifizierungsstelle für Druckgeräte /
 Certification Body for pressure equipment
 Notifizierte Stelle, Nr. / Notified Body, No. 0036**

Ikd. 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	Bericht Nr. / report no. C-67033154-23 vom / dated 2023-10-17	Bemerkungen / Remarks			
					Dicke / Thickness [mm]	Durchm. / Diameter [mm]							
		Art / Spec.	Nr. / No.	Kurz- Code	6a	6b	7a	7b	8a	8b	9a	9b	
01	St 37.0 (1.0254), St 44.0 (1.0256), St 52.0 (1.0421)	DIN	1629	b	nahtlose Rohre / seamless tubes	1,5	25,0	10,0	159,0	-	AD	W4 / W10	b = warmumgeformt bzw. N / warm formed respectively N
02	St 37.4 (1.0255), St 44.4 (1.0257), St 52.4 (1.0581)	DIN	1630	b	nahtlose Rohre / seamless tubes	1,5	25,0	10,0	159,0	-	AD	W4 / W10	
03	TT St 35 N (1.0356)	DIN	17173	N	nahtlose Rohre / seamless tubes	1,5	10,0	10,0	139,7	-	AD	W4, W10	
04	St 35.8 (1.0305), St 45.8 (1.0405), 15 Mo 3 (1.5415), 13 CrMo 4.4 (1.7335), 10 CrMo 9 10 (1.7380)	DIN	17175	b	nahtlose Rohre / seamless tubes	1,5	25,0	10,0	159,0	-	AD TRD	W4 / W10 102	
05	P195TR2 (1.0108), P235TR2 (1.0255), P265TR2 (1.0259)	EN	10216-1	b/N	nahtlose Rohre / seamless tubes	1,5	25,0	10,0	159,0	-	AD 2000	W4 / W10	
06	P195GH (1.0348), P235GH (1.0345), P265GH (1.0425), 16Mo3 (1.5415), 10CrMo5-5 (1.7338), 13CrMo4-5 (1.7335), 10CrMo9-10 (1.7380), 11CrMo9-10 (1.7383)	EN	10216-2	b/N b/N b/N NT/QT NT/QT QT	nahtlose Rohre / seamless tubes	1,5	25,0	10,0	159,0	-	AD 2000	W4 / W10	
07	X10CrMoVNbN9-1 (1.4903)	EN	10216-2	NT/QT	nahtlose Rohre / seamless tubes	1,5	16,0	10,0	159,0	-	AD 2000	W4 / W10	

Explanation: AT = Lösungsgeglüht / solution annealed NT = Normalgeglüht und angelassen / normalized and tempered S = Spannungsarmgeglüht / stress relieved TM = Thermo-mech. behandelte / thermo-mech. treated U = ungeglüht / not annealed
 QT = vergütet / quenched and tempered CR = Temperaturgeglüht / temperature controlled hot formed (controlled rolled) A = weichgeglüht / annealed AR = wie gewalzt / as rolled
 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 = Abmessungen in den Techn. Regeln / dimensions acc. to technical rules e = Gewicht in den Techn. Regeln / weight acc. to technical rules f = Nr. der Techn. Regeln in Spalte 10 / technical rules reference column 10

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Industrie Services

**Geltungsbereich der Überprüfung als Hersteller von Werkstoffen nach AD 2000-Merkblatt W 0
Scope of the approval - Manufacturer of material in accordance with AD 2000-Merkblatt W 0**

**Anlage zum Zertifikat Nr. / Annex to certificate no.
DGR-0036-QS-W 112/2002/MUC-003 von / dated 2023-12-21**

Hersteller / Name: Tenaris - Silcotub (S.C. SILCOTUB S.A.)
 Manufacturer: Straße/Street: Bulavardul Mihai Viteazu Nr. 93
 Ort/City: 450131 Zalau

Land/ Country: RO
 Datum/ Date: rev. 0
 2023-12-21

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**Zertifizierungsstelle für Druckgeräte /
 Certification Body for pressure equipment
 Notifizierte Stelle, Nr. / Notified Body, No. 0036**

Kfd. 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	Bericht Nr. / report no. C-67033154-23 vom / dated 2023-10-17				
					Dicke / Thickness [mm] von / bis / from to	Durchm. / Diameter [mm] von / bis / from to	Wart value							
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10
08	THOR™ 115	VdTÜV	580	NT/QT	nahtlose Rohre / seamless tubes	1,5	16,0	10,0	141,3	-	-	AD 2000	W4 / W10	b = warmumgeformt bzw. N / warm formed respectively N
09	P215NL (1.0451), P265NL (1.0453) P255QL (1.0452)	EN	10216-4	N QT	nahtlose Rohre / seamless tubes	1,5	25,0	10,0	159,0	-	-	AD 2000	W4 / W10	
10	X10CrMnMoVNb9-2 (1.4901)	EN VdTÜV	10216-2 552/3	NT/QT	nahtlose Rohre / seamless tubes	1,5	16,0	10,0	141,3	-	-	AD 2000	W4 / W10	
11	P275NL1 (1.0488), P275NL2 (1.1104), P355NL (1.0562), P355NH (1.0565), P355NL1 (1.0566), P355NL2 (1.1106)	EN VdTÜV VdTÜV	10216-3 354/2 352/2	N N b/N N N	nahtlose Rohre / seamless tubes	1,5	20,0	10,0	159,0	-	-	AD 2000	W4 / W10	

Explanation: AT = Lösungsgelüht / solution annealed NT = Normalgelüht und angelassen / normalized and tempered N = Normalgelüht / normalized S = Spannungsmäßiggelüht / stress relieved TM = Thermo-mech. behandelt / thermo-mech. treated U = ungelüht / not annealed
 OT = vergütet / quenched and tempered CR = Temperaturregelte warmumgeformt / temperature controlled hot formed (controlled rolled) A = weichgelüht / annealed AR = wie gewalzt / as rolled
 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 = Abmessungen in den Techn. Regeln / dimensions acc. to technical rules e = Gewicht in den Techn. Regeln / weight acc. to technical rules f = Nr. der Techn. Regeln in Spalte 10 / technical rules reference column 10



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 11212002/MUC-003 von / dated 2023-12-21

Hersteller / Name: Tenaris - Silcotub (S.C. SILCOTUB S.A.)
 Manufaktur: Straße/Street: Bulevardul Mihai Viteazul Nr. 93
 Ort/City: 450131 Zalau

Land:/ Country: RO
 Datum:/ Date: rev. 0
 2023-12-21

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Zertifizierungsstelle für Druckgeräte /
Certification Body for pressure equipment
Notifizierte Stelle, Nr. / Notified Body, No. 0036

Ikd. 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	Bericht Nr. / report no. C-67033154-23 vom / dated 2023-10-17					
					Dicke / Thickness [mm] von / bis / from to	Durchm. / Diameter [mm] von / bis / from to				Art / Spec.	Nr. / No.	Bemerkungen / Remarks		
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10
01*)	St 37.0 (1.0254), St 44.0 (1.0256), St 52.0 (1.0421)	DIN	1629	b	nahtlose Rohre / seamless tubes	1,5	25,0	10,0	159,0	-	-	AD	W4 / W10	b = warmumgeformt bzw. N / warm formed respectively N
02*)	St 37.4 (1.0255), St 44.4 (1.0257), St 52.4 (1.0581)	DIN	1630	b	nahtlose Rohre / seamless tubes	1,5	25,0	10,0	159,0	-	-	AD	W4 / W10	*) To fulfill essential safety requirements of PED Annex I, for each material acc. to non harmonised standards a Particular Material Appraisal (PMA) is mandatory.
03*)	TTSt 35 N (1.0356)	DIN	17173	N	nahtlose Rohre / seamless tubes	1,5	10,0	10,0	139,7	-	-	AD	W4 / W10	
04*)	St 35.8 (1.0305), St 45.8 (1.0405), 15 Mo 3 (1.5415), 13 CrMo 4.4 (1.7335), 10 CrMo 9 10 (1.7380)	DIN	17175	b	nahtlose Rohre / seamless tubes	1,5	25,0	10,0	159,0	-	-	AD TRD	W4 / W10 102	
05	P195TR2 (1.0108), P235TR2 (1.0255), P265TR2 (1.0259), P195TR1 (1.0107), P235TR1 (1.0254), P265TR1 (1.0258)	EN	10216-1	b/N	nahtlose Rohre / seamless tubes	1,5	25,0	10,0	159,0	-	-	AD 2000	W4 / W10	TR1 grades do not meet the requirements of PED 2014/68/EU. PMA is required.
06	P195GH (1.0345), P235GH (1.0345), P265GH (1.0425), 16Mo3 (1.5415), 10CrMo5-5 (1.7338), 13CrMo4-5 (1.7335), 10CrMo9-10 (1.7380), 11CrMo9-10 (1.7383)	EN	10216-2	b/N b/N b/N NT/QT NT/QT NT/QT QT	nahtlose Rohre / seamless tubes	1,5	25,0	10,0	159,0	-	-	AD 2000	W4 / W10	For the use of materials acc. to column 2 fill 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.

Explanation:
 AT = Lösungsgelüht / solution annealed NT = Normalgelüht und angelassen / normalized and tempered N = Normalgelüht / normalized S = Spannungsmittgelüht / stress relieved TM = Thermomech. behandelte / thermo-mech. treated U = ungelüht / not annealed
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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 11212002/MUC-003 von / dated 2023-12-21

Hersteller / Name:	Tenaris - Silcotub (S.C. SILCOTUB S.A.)	Land:/ Country:	RO	Datum:/ Date: rev. 0	2023-12-21	Blatt-Nr.:/ Page No.:	5 v. / of 6	Zertifizierungsstelle für Druckgeräte / Certification Body for pressure equipment Notifizierte Stelle, Nr. / Notified Body, No. 0036
Manufacturer: Ort/City:	Bulevardul Mihai Viteazu Nr. 93 450131 Zalau							

Id. 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	Bericht Nr. / report no. C-67033154-23 vom / dated 2023-10-17	Bemerkungen / Remarks				
					Dicke / Thickness [mm]	Durchm. / Diameter [mm]								
	Art / Spec.	Nr. / No.	Kürzel / Code		von / from	bis / to	von / from	bis / to						
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10
11*)	Gr. A Gr. B	ASTM / ASME SA-53	b/N	nahtlose Rohre / seamless tubes	1,5 1,0	25,0 25,0	10 8,0	159,0 159,0	-	-	-			b = warmumgeformt bzw. N / warm formed respectively N
12*)	Gr. B; Gr. C	ASTM / ASME SA-106 / SA-106	b/N	nahtlose Rohre / seamless tubes	1,0	25,0	8,0	159,0	-	-	-			
13*)	A179 / SA-179	ASTM / ASME SA-179	N	nahtlose Rohre / seamless tubes	1,0	25,0	8,0	159,0	-	-	-			*) To fulfill essential safety requirements of PED Annex I, for each material acc. to non harmonised standards a Particular Material Appraisal (PMA) is mandatory.
14*)	A192 / SA-192	ASTM / ASME SA-192	b/N	nahtlose Rohre / seamless tubes	1,0	25,0	8,0	159,0	-	-	-			
15*)	T1, T1a, T1b	ASTM / ASME SA-209	N/NT	nahtlose Rohre / seamless tubes	1,0	25,0	8,0	159,0	-	-	-			
16*)	A1, C	ASTM / ASME SA-210	b/N	nahtlose Rohre / seamless tubes	1,0	25,0	8,0	159,0	-	-	-			
17*)	T11, T12, T2 T22 T91, T92 T23 T24 T115 T5, T9	ASTM / ASME SA-213 / SA-213	NT NT/IA NT	nahtlose Rohre / seamless tubes	1,0 2,0 2,0 2,5 2,0 2,0	25,0 17,1 17,1 15,0 17,1 17,1	8,0 21,3 21,3 141,3 141,3 141,3 141,3	159,0 141,3 141,3 141,3 141,3 141,3 141,3	- - - - - - -	- - - - - - -	- - - - - - -			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.

Explanation: AT = Lösungsgelüht / solution annealed NT = Normalgelüht und angelassen / normalized S = Spannungsmgüht / stress relieved TM = Thermo-mech. behandelt / thermo-mech. treated U = ungeglüht / not annealed
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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 11212002/MUC-003 von / dated 2023-12-21

Hersteller / Manufacturer:	Name: Straße/Street: Ort/City:	Tenaris - Silcotub (S.C. SILCOTUB S.A.) Bulevardul Mihai Viteazu Nr. 93 450131 Zalău	Land:/ Country:	Datum:/ Date: rev. 0	Blatt-Nr.:/ Page No.:
			RO	2023-12-21	6 v. / of 6

**Zertifizierungsstelle für Druckgeräte /
 Certification Body for pressure equipment**
Notifizierte Stelle, Nr. / Notified Body, No. 0036

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	Prüfrundlagen Technische Regeln / Requirements Technical Rules	Prüf- Art / Spec.	Nr. / No.	Bericht Nr. / report no. C-67033154-23 vom / dated 2023-10-17	Bemerkungen / Remarks	
					Dicke / Thickness [mm]	Durchm. / Diameter [mm]	2-tlg ↓							
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10
18*)	Gr. 1; Gr. 6	ASTM / ASME ASTM / ASME	A 333 / SA 333 A 334 / SA 334	N	nahtlose Rohre / seamless tubes	1.0	25.0	8.0	159.0	-	-	-	-	b = warmumgeformt bzw. N / warm formed respectively N IA: Isothermisches Glühen / isothermal annealing
19*)	P1, P11, P12, P22, P5, P9 P23 P91, P92 P115	ASTM / ASME	A335 / SA-335	IA/NT/QT NT/QT NT/QT NT/QT	nahtlose Rohre / seamless tubes nahtlose Rohre / seamless tubes nahtlose Rohre / seamless tubes nahtlose Rohre / seamless tubes	1.0 2.5 17.1 2.0	25.0 15.0 17.1 16.0	8.0 21.3 21.3 10.0	159.0 141.3 141.3 141.3	- - - -	- - - -	- - - -	- - - -	*) To fulfil essential safety requirements of PED Annex I, for each material acc. to non harmonised standards a Particular Material Appraisal (PMA) is mandatory.
20*)	BR, BN, BS X42R, X42N, X42NS, X42QS X46N X52N, X52QS X56Q X60Q, X60QS X65Q, X65QS	API	5L	b/N/QT	nahtlose Rohre / seamless tubes	1.0	25.0	8.0	159.0	-	-	-	-	
21*)	E235 (1.0308), E355 (1.0580)	EN	10305-4	N	nahtlose Rohre / seamless tubes	1.5	12.5	10.0	120.0	-	-	-	-	
22*)	THORTM 115	VdÜV	580	NT/QT	nahtlose Rohre / seamless tubes	1.5	16.0	10.0	141.3	-	-	-	-	
23*)	ASME BPV Code Case 2890	ASME	SA213/ SA335+ ASME BPV Code Case 2890	NT/QT	nahtlose Rohre / seamless tubes	1.5	16.0	10.0	141.3	-	-	-	-	

Explanation:
 AT = Lösungsgelüht / solution annealed NT = Normalgelüht und angelassen / normalized S = Spannungsmgüht / stress relieved TM = Thermo-mech. behandelt / thermo-mech. treated U = ungegelüht / not annealed
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