Scope of the approval – Manufacturer of material in accordance with PER 2016/1105, Schedule 2, Part 4, Para. 31 (8)	Annex to certificate no. PER-0168-QS-M 3277395/2023/MUC-02 von / dated 2026-03-04

Manufacturer:	Name: TUBACEX TUBOS INOXIDABLES, S.A.U. Street: Plant 1: Tres Cruces., 8 City: 01400 Llodio (Alava)	Plant 2: Polígono Industrial Saratxo: 01470 Amurrio (Alava)	Country: ES	Date: rev. 0 2026-03-04	Page 1 of 4	Competent Body of TUV SUD BABT Unlimited

No.	Material Designation Material Grade	Material Specification Spec.	Material Specification No.	Delivery Condition Code	Description Product	Dimensions Thickness [mm] from	Dimensions Thickness [mm] to	Dimensions Diameter [mm] from	Dimensions Diameter [mm] to	Weight 1=t 2=kg ↓	Weight value	Requirements Technical Rules Spec.	Requirements Technical Rules No.	Report no. C-8107021299PER-26 *dated 2026-02-10* Remarks
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10
01	P195GH (1.0348), P235GH (1.0345), P265GH (1.0425), 20MnNb6 (1.0471), 16Mo3 (1.5415), 8MoB5-4 (1.5450), 14MoV6-3 (1.7715), 10CrMo5-5 (1.7338), 13CrMo4-5 (1.7335), 10CrMo9-10 (1.7380), 11CrMo9-10 (1.7383), 25CrMo4 (1.7218), 20CrMoV13-5-5 (1.7779), 15NiCuMoNb5-6-4 (1.6368), 7CrWVMoNb9-6 (1.8201), 7CrMoVTiB10-10 (1.7378), X11CrMo5 (1.7362), X11CrMo9-1 (1.7386), X10CrMoVNb9-1 (1.4903), X10CrWMoVNb9-2 (1.4901), X11CrMoWVNb9-1-1 (1.4905), X20CrMoV11-1 (1.4922)	EN DIN	10216-2 17175	b1	nahtloses Rohr / seamless tube	0,7	45	5	252	-	-			*) To fulfil essential safety requirements of PER Schedule 2, for each material acc. to non designated standards a Particular Material Appraisal (PMA) is mandatory. b1 = NT respectively QT b2 = QT or N b3 = QT, NT
02	P215NL (1.0451), P255QL (1.0452), P265NL (1.0453), 26CrMo4-2 (1.7219) 11MnNi5-3 (1.6212), 13MnNi6-3 (1.6217), 12Ni14 (1.5637), X12Ni5 (1.5680) X10Ni9 (1.5682)	EN DIN	10216-4 17173	b2 b3	nahtloses Rohr / seamless tube	0,7	45	5	252	-	-			**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 Approved Body in charge.**

Explanation: **AT** = solution annealed **NT** = normalized and tempererd **N** = normalized **S** = stress relieved **TM** = thermo-mech. treated **U** = not annealed
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d = dimensions acc. to technical rules **e** = weight acc. to technical rules **f** = technical rules reference column 10

Scope of the approval – Manufacturer of material in accordance with PER 2016/1105, Schedule 2, Part 4, Para. 31 (8)	Annex to certificate no. PER-0168-QS-M 3277395/2023/MUC-02 von / dated 2026-03-04

Manufacturer:	Name: TUBACEX TUBOS INOXIDABLES, S.A.U. Street: Plant 1: Tres Cruces., 8 City: 01400 Llodio (Alava)	Plant 2: Polígono Industrial Saratxo: 01470 Amurrio (Alava)	Country: ES	Date: rev. 0 2026-03-04	Page 2 of 4	Competent Body of TUV SUD BABT Unlimited

No.	Material Designation Material Grade	Material Specification Spec.	Material Specification No.	Delivery Condition Code	Description Product	Dimensions Thickness [mm] from	Dimensions Thickness [mm] to	Dimensions Diameter [mm] from	Dimensions Diameter [mm] to	Weight 1=t 2=kg ↓	Weight value	Requirements Technical Rules Spec.	Requirements Technical Rules No.	Report no. C-8107021299PER-26 *dated 2026-02-10* Remarks
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10
03	X2CrNi18-9 (1.4307), X2CrNi19-11 (1.4306), X2CrNiN18-10 (1.4311), X5CrNi18-10 (1.4301,) X6CrNiTi18-10 (1.4541), 6CrNiNb18-10 (1.4550), X1CrNi25-21 (1.4335), X2CrNiMo17-12-2 (1.4404), X5CrNiMo17-12-2 (1.4401), X1CrNiMoN25-22-2 (1.4466), X6CrNiMoTi17-12-2 (1.4571), X6CrNiMoNb17-12-2 (1.4580), X2CrNiMoN17-13-3 (1.4429), X3CrNiMo17-13-3 (1.4436), X2CrNiMo18-14-3 (1.4435), X2CrNiMoN17-13-5 (1.4439), X1NiCrMoCu31-27-4 (1.4563), X1NiCrMoCu25-20-5 (1.4539), X1CrNiMoCuN20-18-7 (1.4547), X1NiCrMoCuN25-20-7 (1.4529), X2NiCrAlTi32-20 (1.4558)	EN DIN DIN SEW	10216-5 17458 17459 400	AT AT AT AT	nahtloses Rohr / seamless tube	0,7	45	5	252	-	-			*) To fulfil essential safety requirements of PER Schedule 2, for each material acc. to non designated standards a Particular Material Appraisal (PMA) is mandatory.
04	X6CrNi18-10 (1.4948), X7CrNiTi18-10 (1.4940), X7CrNiNb18-10 (1.4912), X6CrNiTiB18-10 (1.4941), X6CrNiMo17-13-2 (1.4918), X5NiCrAlTi31-20 (1.4958), X8NiCrAlTi32-21 (1.4959), X3CrNiMoBN17-13-3 (1.4910), X8CrNiNb16-13 (1.4961), X8CrNiMoVNb16-13 (1.4988), X8CrNiMoNb16-16 (1.4981), X10CrNiMoMnNbVB15-10-1 (1.4982)	EN DIN DIN SEW	10216-5 17458 17459 400	AT AT AT AT	nahtloses Rohr / seamless tube	0,7	45	5	252	-	-			**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 Approved Body in charge.**

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Scope of the approval – Manufacturer of material in accordance with PER 2016/1105, Schedule 2, Part 4, Para. 31 (8)	Annex to certificate no. PER-0168-QS-M 3277395/2023/MUC-02 von / dated 2026-03-04

Manufacturer:	Name: TUBACEX TUBOS INOXIDABLES, S.A.U. Street: Plant 1: Tres Cruces., 8 City: 01400 Llodio (Alava)	Plant 2: Polígono Industrial Saratxo: 01470 Amurrio (Alava)	Country: ES	Date: rev. 0 2026-03-04	Page 3 of 4	Competent Body of TUV SUD BABT Unlimited

No.	Material Designation Material Grade	Material Specification Spec.	Material Specification No.	Delivery Condition Code	Description Product	Dimensions Thickness [mm] from	Dimensions Thickness [mm] to	Dimensions Diameter [mm] from	Dimensions Diameter [mm] to	Weight 1=t 2=kg ↓	Weight value	Requirements Technical Rules Spec.	Requirements Technical Rules No.	Report no. C-8107021299PER-26 *dated 2026-02-10* Remarks
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10
05	X2CrNiMoN22-5-3 (1.4462)	EN TÜVV	10216-5 418	AT	nahtloses Rohr / seamless tube	0,7	24	5	273	-	-			*) To fulfil essential safety requirements of PER Schedule 2, for each material acc. to non designated standards a Particular Material Appraisal (PMA) is mandatory.
06	X1NiCrMoCu25-20-5 (1.4539)	EN TÜVV	10216-5 421	AT	nahtloses Rohr / seamless tube	0,7	10	5	168,3	-	-			
07*)	X8CrNi19-11 (1.4908)	TÜVV	547	AT	nahtloses Rohr / seamless tube	0,7	12,5	5	65,0	-	-			
08*)	X6CrNiNbN25-20 (1.4952)	TÜVV	546	AT	nahtloses Rohr / seamless tube	0,7	12,5	5	65,0	-	-			b=acc. to technical rule
09*)	X10CrNiCuNb18-9-3 (1.4907)	TÜVV	550	AT	nahtloses Rohr / seamless tube	0,7	12,5	5	65,0	-	-			
10*)	X 15 CrNiSi 20 12 (1.4828), X 15 CrNiSi 25 20 (1.4841), X7CrNi2314 (1.4833), X 12 CrNi 25 21 (1.4845), X 10 NiCrAlTi 32 20 (1.4876), X 12 CrNiTi 18 9 (1.4878)	SEW	470	AT	nahtloses Rohr / seamless tube	0,7	45	5	252	-	-			
11*)	Austenitische Stähle/ Stainless steels	ASME ASTM ASME ASTM	SA-213 A312 SA-312 A312	b	nahtloses Rohr / seamless tube	0,7	45	5	252	-	-			
12*)	P9, P11, P12, P22, P91	ASME ASTM	SA-335 A335	b	nahtloses Rohr / seamless tube	0,7	45	5	252	-	-			
13*)	TP430	ASME ASTM	SA-268 A268	b	nahtloses Rohr / seamless tube	0,7	45	5	252	-	-			**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 Approved Body in charge.**
14*)	S31803, S32205, S32760, S32750	ASME ASTM ASME ASTM	SA-789 A789 SA-790 A790	b	nahtloses Rohr / seamless tube	0,7	45	5	252	-	-			

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Scope of the approval – Manufacturer of material in accordance with PER 2016/1105, Schedule 2, Part 4, Para. 31 (8)	Annex to certificate no. PER-0168-QS-M 3277395/2023/MUC-02 von / dated 2026-03-04

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No.	Material Designation Material Grade	Material Specification Spec.	Material Specification No.	Delivery Condition Code	Description Product	Dimensions Thickness [mm] from	Dimensions Thickness [mm] to	Dimensions Diameter [mm] from	Dimensions Diameter [mm] to	Weight 1=t 2=kg ↓	Weight value	Requirements Technical Rules Spec.	Requirements Technical Rules No.	Report no. C-8107021299PER-26 *dated 2026-02-10* Remarks
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10
15*)	800, 800H, 800HT	ASME ASTM ASME ASTM	SB-407 B407 SB-163 B163	b	nahtloses Rohr / seamless tube	0,7	45	5	252	-	-			*) To fulfil essential safety requirements of PER Schedule 2, for each material acc. to non designated standards a Particular Material Appraisal (PMA) is mandatory. b=acc. to technical rule
16*)	N08825	ASME ASTM	SB-423 B423	b	nahtloses Rohr / seamless tube	0,7	45	5	252	-	-			
17*)	N08020	ASME ASTM	SB-729 B729	b	nahtloses Rohr / seamless tube	0,7	45	5	252	-	-			**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 Approved Body in charge.**

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