

					rial in accordance with Para. 31 (8)	ı				1	PER-0'	168-QS-M		to certificate no. 023/MUC-01 von / dated 2023-05-11
Name:     Schoeller-Bleckmann Edelstahlrohr GmbH     Country:       Manufacturer:     Street:     Rohrstraße 1       City:     AT-2630 Ternitz     AT										Date: rev. 0 2023-05-11		Page 1 of 3	Competent Body of TUV SUD BABT Unlimited	
No.	Material Designation Material Grade	,		Description Product	•		Diameter		Weight 1=t 2=kg			ements cal Rules	Report no. C-725211971-22 dated 2022-11-21	
		Spec.	No.	Code		from	to	from	to	$\downarrow$	value	Spec.	No.	Remarks
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10
	Heat resistant steels 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), 10CrMo5-10 (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) X10CrWoVNb9-1 (1.4901) X11CrMoWVNb9-1-1 (1.4905) X20CrMoV11-1 (1.4922)	EN DIN	10216-2 17175*)	b1	nahtloses Rohr / seamless tube	0,5	45	5	252					<ul> <li>*) To fulfil essential safety requirements of PER Schedule 2, for each material acc. to non designated standards a Particular Material Appraisal (PMA) is mandatory.</li> <li>b1 = N, NT bzw. QT</li> <li>b1 = N, NT respectively QT</li> </ul>
02	Stainless steels 1.4307, 1.4306, 1.4311, 1.4301, 1.4541, 1.4550, 1.4335, 1.4404, 1.4401, 1.4466, 1.4571, 1.4580, 1.4429, 1.4436, 1.4435, 1.4439, 1.4563, 1.4539, 1.4547, 1.4529, 1.4558 1.4948, 1.4940, 1.4912, 1.4941, 1.4918, 1.4958, 1.4959, 1.4910, 1.4961, 1.4988, 1.4981, 1.4982	EN DIN DIN SEW	10216-5 17458*) 17459*) 400*)	AT AT AT	nahtloses Rohr / seamless tube	0,5	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.
Explanatio	QT = quenched and tempered CR = temp a = material designation in column 10 b =	erature con condition i	ntrolled hot for n column 10	med (controlled rolle c = object in column	ed) <b>A</b> = annealed <b>AR</b> = as rolled n 10	i <b>U</b> = not	annealed	1	<u>I</u>	1	1	1	1	1
	d = dimensions acc. to technical rules e = / revised: 2022-02-21	weight acc	c. to technical r	rules t = technical	rules reference column 10 Approved: 20	122-02 0	21 W/ Sak	ock			1			Page 1 of 3
Crootod					ADDIOVED: 20	1//-1/-/	. I VV. OCI	IUCK			1			Pade 1 of 3



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 3292774/2023/MUC-01 von / dated 2023-05-11						
Name:     Schoeller-Bleckmann Edelstahlrohr GmbH     Countril       Manufacturer:     Street:     Rohrstraße 1       City:     AT-2630 Ternitz     A												Page 2 of 3	Competent Body of TUV SUD BABT Unlimited				
No.	Material Designation Material Grade		Material Delivery Specification Condition		Description Product	Dimer Thickness [mm]		ensions Diameter [mm]		Weight		Requirements Technical Rules		Report no. C-725211971-22 dated 2022-11-21			
		Spec.	No.	Code		from	to	from		2=kg ↓	value	Spec.	No.	Remarks			
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10			
03*) 04*)	X10NiCrAITi 32-20 (1.4876) X10NiCrAITi 32-20 H (1.4876)	TÜVV ASTM ASTM TÜVV ASTM ASTM	412 B407 B163 434 B407 B163	AT AT	nahtloses Rohr / seamless tube nahtloses Rohr / seamless tube	0,5	35	5	252 252					*) To fulfil essential safety requirements of PER Schedule 2, for each material acc. to non designated standards a Particular Material Appraisal (PMA) is mandatory.			
05*)	X2CrNiMoN 22-5-3 (1.4462) UNS S 31803 UNS S 32205	TÜVV ASTM ASTM	418 A789 A790	AT	nahtloses Rohr / seamless tube	0,5	35	5	252								
06*)	Stainless steels	ASTM ASTM	A 213 A 312	b2	nahtloses Rohr / seamless tube	0,5	45	5	252					b2=acc. to technical rule			
07*)	UNS S 32750 UNS S 32760	ASTM	A 790	AT	nahtloses Rohr / seamless tube	0,5	35	5	252								
08*)	X12CrNiTi18-9 (1.4878)	SEW	470	AT	Nahtloses Rohr / Seamless tube	0,5	45	5	252								
09*)	N08020	ASTM ASTM	A312 A213	AT	Nahtloses Rohr / Seamless tube	0,5	45	5	252								
10*)	2.4858 N08825	DIN ASTM	17744 B423	А	Nahtloses Rohr / Seamless tube	0,5	45	5	252								
11*)	2.4816 N06600	DIN ASTM	17742 B167	A	Nahtloses Rohr / Seamless tube	0,5	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.			
<u>Explanati</u>	ion: AT = solution annealed NT = normali QT = quenched and tempered CR = a = material designation in column 10 d = dimensions acc. to technical rules	temperature con <b>b</b> = condition i	ntrolled hot for n column 10	rmed (controlled rolle c = object in column	ed) <b>A</b> = annealed <b>AR</b> = as rolled n 10 rules reference column 10												
	Created / revised: 2022-02-21 W. Schock													Page 2 of 3			
File: TS	-BABT-M-10_Scope of approval				Revision:	V 2					Printed	copies are no	t subject to cl	nange service! Copyright TUV SUD BABT Unlimited			



City:         AT-2830 Tentiz         Cat         2023-05-11         3 or 3           0.         Material Grade         Spec.         No.         Description         Description         Technical Rules         Requirements Technical Rules         Requirements Technical Rules         Requirements Technical Rules         Requirements Technical Rules         Requirements Technical Rules         Requirements Technical Rules         Report no. C-7252 11971-22. data         Report no. C-7252 11971-22.           71         0.111         17743         A         Nathioses Rotr / Samises tube         0.5         45         5	Scope of the approval – Manufacturer of material in accordance with PER 2016/1105, Schedule 2, Part 4, Para. 31 (8)											1	Annex to certificate no. PER-0168-QS-M 3292774/2023/MUC-01 von / dated 2023-05-11					
Material Grade         Specification         Condition         Product         Thickness         Diametry (mm)         1         Technical Rules         Report no. 72321197-92 (abed 2022-11-21)           1         2         36         30         40         4         5         6a         8b         7a         1a         1a <th colspan="10">Manufacturer: Street: Rohrstraße 1</th> <th colspan="2">rev. 0</th> <th></th> <th>Compe</th> <th colspan="2">Competent Body of TUV SUD BABT Unlimited</th>	Manufacturer: Street: Rohrstraße 1										rev. 0			Compe	Competent Body of TUV SUD BABT Unlimited			
Image: Problem in the stand of the	No.		Ũ	-		,	•	Thickness		Diameter		1=t	eight	•				
1       -       2       3a       3b       4       5       6a       6b       7a       7b       8a       8b       9a       9b       10         2.4856       DIN       177.44       A/7A       Natioses Rohr / Samless tube       0.5       45       5       252       4       4       5       6a       252       5       252       4       5       6a       46       7a       7b       8a       8b       9a       9b       10       10         37       0.06625       ASTM       B167       A       Natioses Rohr / Samless tube       0.5       45       5       252       4       4       Astimulation and the particular Material Appraisal (PMA) is mandeatory.         11       2.4360       DIN       17743       A       Nathloses Rohr / Samless tube       0.5       45       5       252       4       4       A       Astimulation and the partial (PMA) is mandeatory.         10       2.4861       DIN       17742       A       Nathloses Rohr / Seamless tube       0.5       45       5       252       4       4       4       4       6       6       6       5       252       4       4       4       6       6				Spec.	No.	Code				-			value	Spec.	No.	Remarks		
2)       2.4866       DIN       17 to 4 Mark Star       AT/A       Nahrloses Rohr / Seamless tube       0.5       45       5       252       17 to 4 Mark Star       Schedule 2, rote each material asperts to non designated standards a         7)       N06690       ASTM       B167       A       Nahrloses Rohr / Seamless tube       0.5       45       5       252       Particular Mark Mark in Appraisal (PMA) is mandatory.         (1)       2.4360       DIN       17743       A       Nahrloses Rohr / Seamless tube       0.5       45       5       252       Particular Mark Mark in Appraisal (PMA) is mandatory.         (1)       2.4360       DIN       17740       A       Nahrloses Rohr / Seamless tube       0.5       45       5       252       Particular Mark Mark in Appraisal (PMA) is mandatory.         (2)       ASTM       B161       A       Nahrloses Rohr / Seamless tube       0.5       45       5       252       Particular Mark Mark in Appraisal (PMA) is mandatory.         (2)       2.4851       DIN       17742       A       Nahrloses Rohr / Seamless tube       0.5       45       5       252       For the use of materials acc. to colume 7         (2)       2.4851       DIN       17742       A       Nahrloses Rohr / Seamless tube       0.5	1		2	3a	3b	4	5	6a	6b	7a	7b	8a	8b			10		
Image: state in the state	12*) 13*)	N06625		DIN ASTM	17744 B444	AT/A	Nahtloses Rohr / Seamless tube	0,5	45	5	252		0.0			*) To fulfil essential safety requirements of PER Schedule 2, for each material acc. to non designated standards a		
N04400       ASTM       B163       Seamless tube       In       In <t< td=""><td>14*)</td><td></td><td></td><td></td><td></td><td></td><td>Seamless tube</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	14*)						Seamless tube											
N02200       N02201       ASTM       B161       Seamless tube       Image: Control of the seamless tube       Image: Contreseamleseamless tube       Image: Control of	,	N04400		ASTM	B163		Seamless tube	,										
N06601       ASTM       B167       Seamless tube       Image: Constraint of the second se	15")	N02200				A		0,5	45	5	252							
Image: splanation:       AT = solution annealed NT = normalized and tempered N = normalized S = stress relieved TM = thermo-mech. treated U = not annealed AR = as rolled a = material designation in column 10 b = condition in column 10 c = object in column 10	16*)					A		0,5	45	5	252							
Image: splanation:       AT = solution annealed NT = normalized and tempered N = normalized S = stress relieved TM = thermo-mech. treated U = not annealed AR = as rolled a = material designation in column 10 b = condition in column 10 c = object in column 10																		
QT = quenched and tempered CR = temperature controlled hot formed (controlled rolled) A = annealed AR = as rolled a = material designation in column 10 b = condition in column 10 c = object in column 10 d = dimensions acc. to technical rules e = weight acc. to technical rules f = technical rules reference column 10																The specific material operating conditions have to be approved by the pressure equipment manufacturer or respectively by		
reated / revised: 2022-02-21 Approved: 2022-02-21 W. Schock Page 3			QT = quenched and tempered Q a = material designation in colum d = dimensions acc. to technical	<b>CR</b> = temperature con n 10 <b>b</b> = condition ir	trolled hot for column 10	rmed (controlled rolle c = object in column	ed) <b>A</b> = annealed <b>AR</b> = as rolled n 10 rules reference column 10			I		<u> </u>	<u> </u>		1			
	Created	/ revised: 2	022-02-21				Approved: 20	22-02-2	1 W. Sch	ock						Page 3 of		