

**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 3298681-2023-MUC-01 von / dated 2023-06-17

Name: Wieland Austria Ges.m.b.H. Street: Fabrikstraße 4 City: A- 3300 Amstetten	Country: AUSTRIA	Date: rev. 0 17.06.2023	Page 1 of 2	Competent Body of TUV SUD BABT Unlimited
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No.	Material Designation Material Grade	Material Specification		Delivery Condition Code	Description Product	Dimensions				Weight		Requirements Technical Rules		Report no. C-725217343-23 dated 18.01.2023
		Spec.	No.			Thickness [mm]		Diameter [mm]		1=t	value	Spec.	No.	
						from	to	from	to	↓				
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10
01	Cu-DHP (CW024A) R200 Cu-DHP (CW024A) Y035	EN EN EN	12449 12451 12735-2	b1	Seamless tubes	0.25	5	6	89			*)		b1 = recrystallization annealed b2 = cold drawn b3 = pressed / pressed and cold drawn *) To fulfil essential safety requirements of PER Schedule 2, for each material acc. to non designated standards a Particular Material Appraisal (PMA) is mandatory. 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.
02	Cu-DHP (CW024A) R220 Cu-DHP (CW024A) Y040	EN EN EN EN	12449 12451 13348 12735-1 12735-2	b1	Seamless tubes	0.25	5	6	110			*)		
03	Cu-DHP (CW024A) R250	DIN EN DIN EN DIN EN	13348 12451 12735-2	b2	Seamless tubes	0.5	5	6	108			*)		
04	CuZn28Sn1As (CW706R) R320	EN	12451	b1	Seamless tubes	0.5	5	6	76			*)		
05	CuZn28Sn1As (CW706R) R360	EN	12451	b2	Seamless tubes	0.5	5	6	76			*)		
06	CuZn20Al2As (CW702R) R340	EN	12451	b1	Seamless tubes	0.5	5	6	76			*)		
07	CuZn20Al2As (CW702R) R390	EN	12451	b2	Seamless tubes	0.5	5	6	76			*)		
08	CuNi10Fe1Mn (CW352H) R290 C70600	EN ASTM	12451 B 111	b1	Seamless tubes	0.35	5	6	76			*)		
09	Cu-DHP (CW024A) R290	VdTÜV EN EN EN	410 1057 13348 12735-1	b2	Seamless tubes	0.7	2.5	8	89			*)		
10	CuAl10Ni5Fe4 (CW307G) R680	EN EN	12163 12167	b3	bar			20	70			*)		

Explanation: AT = solution annealed NT = normalized and tempererd N = normalized S = stress relieved TM = thermo-mech. treated U = not annealed
 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

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	Street: Fabrikstraße 4		rev. 0	2 of 2	
	City: A- 3300 Amstetten		17.06.2023		

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						from	to	from	to	↓				
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10
11	CuFe2P (CW107C) K65	VdTÜV EN	567 12735	b1	Seamless tubes	0.2	4.1	6	54			*)		b1 = recrystallization annealed b2 = cold drawn b3 = pressed / pressed and cold drawn
12	UNS 7060X	EEMUA	146-87	b1	Seamless tubes	0.5	5	6	76			*)		*) To fulfil essential safety requirements of PER Schedule 2, for each material acc. to non designated standards a Particular Material Appraisal (PMA) is mandatory. 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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