

**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 3268977/2023/MUC-02 von / dated 2025-03-12

Name: Richard Neumayer, Ges. für Umformtechnik mbH	Country: DE	Date: rev. 0 2025-03-12	Page: 1 of 1	Competent Body of TUV SUD BABT Unlimited
Manufacturer: Street: Hinterer Bahnhof 15				
City: DE-77756 Hausach				

No.	Material Designation Material Grade	Material Specification		Delivery Condition Code	Description Product	Dimensions				Weight		Requirements Technical Rules		Report no. C-4094615-24 dated 2024-12-27
		Spec.	No.			Thickness [mm]		Diameter [mm]		1=t	value	Spec.	No.	Remarks
						from	to	from	to	↓				
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10
01	<u>Austenitic Steel:</u> 1.4301, 1.4303, 1.4306, 1.4311, 1.4541, 1.4401, 1.4404, 1.4406, 1.4429, 1.4435, 1.4436, 1.4438, 1.4550, 1.4571, 1.4580, 1.4539	EN	10222-5	+AT	forging and flange		80			2	50	EN 1092-1		*) 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	<u>Austenitic-Ferritic Steel:</u> 1.4462	EN	10222-5	+AT	forging and flange		80			2	50	EN 1092-1		
03	<u>Ferritic Steel:</u> P355NH (1.0565), P355NL1 (1.0566), P355NL2 (1.1106), P355QH1 (1.0571), P355QL1 (1.8868), P355QL2 (1.8869)	EN	10222-4	+QT +QT/+N	forging and flange		80 <70			2 2	50 50	EN 1092-1 EN 1092-1		
04	11CrMo9-10 (1.7383), 10 CrMo 9 10 (1.7380), 13CrMo4-5, 13 CrMo 4 4 (1.7335)	EN	10222-2	+QT	forging and flange		80			2	50	EN 1092-1		
05	P250GH, C 22.8 (1.0460),	EN	10222-2	+N	forging and flange		100			2	50	EN 1092-1		
06	16Mo3, 15 Mo 3 (1.5415),	EN	10222-2	+QT/+N	forging and flange		100			2	50	EN 1092-1		

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