

**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 3246195/2022/MUC-02 von / dated 2023-12-01**

Name: Officine NICOLA GALPERTI & FIGLIO, S.p.A. Manufacturer: Street: Via Trivio di Fuentes 4 City: 22010 Gera Lario (CO)						Country:	Date:	Page	Competent Body of TUV SUD BABT Unlimited
Further plants: see remarks						IT	rev. 0 2023-12-01	1 of 2	

No.	Material Designation Material Grade	Material Specification		Delivery Condition Code	Description Product	Dimensions				Weight		Requirements Technical Rules		Report no. C-722316332-23 dated 2023-09-12
		Spec.	No.			Thickness [mm]		Diameter [mm]		1=t 2=kg		Spec.	No.	Remarks
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10
01*)	S235JRG2 (1.0038), S235J2G3 (1.0116), S355J2G3 (1.0570)	EN	10250-2	N	Flanges	-	500	-	6000	1	15			*) To fulfil essential safety requirements of PER Schedule 2, for each material acc. to non designated standards a Particular Material Appraisal (PMA) is mandatory. Further plants: IT - 22010 Gera Lario (CO) IT - 23016 Cercino (SO) IT - 23824 Dervio (LC) (Only for machining)
02	P275NH (1.0487)	EN	10273	N	Flanges	-	500	-	600	1	15			
03	P285NH (1.0477), P285QH (1.0478)	EN	10222-4	N / QT	Flanges	-	500	-	6000	1	15			
04*)	ESStE 285 (1.1104)	DIN	17102	N	Flanges	-	500	-	6000	-	-			
05*)	TStE 285 (1.0488)	DIN	17103	N / QT	Flanges	-	500	-	6000	-	-			
06	P235GH (1.0345), P245GH+N (1.0352), P250GH (1.0460), P265GH (1.0425), P280GH+N (1.0426), P295GH (1.0481), P305GH (1.0436), 13CrMo4-5 (1.7335), 10CrMo9-10 (1.7380)	EN EN	10222-2 10273	N / QT	Flanges	-	500	-	6000	1	15			
07	13MnNi6-3 (1.6217), 12Ni14 (1.5637), X12Ni5 (1.5680), X8Ni9 (1.5662)	EN	10222-3	N / QT	Flanges	-	500	-	6000	1	15			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 tempered 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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No.	Material Designation Material Grade	Material Specification		Delivery Condition Code	Description Product	Dimensions				Weight		Requirements Technical Rules		Report no. C-722316332-23 dated 2023-09-12
		Spec.	No.			Thickness [mm]		Diameter [mm]		1=t 2=kg		Spec.	No.	Remarks
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10
08	X2CrNi18-9 (1.4307) X2CrNi19-11 (1.4306) X2CrNi18-10 (1.4311) X5CrNi18-10 (1.4301) X6CrNiTi18-10 (1.4541) X6CrNiNb 18-10 (1.4550) X6CrNi18-10 (1.4948) X6CrNiTiB18-10 (1.4941) X7 CrNiNb18-10 (1.4912) X2CrNiMo17-12-2 (1.4404) X2CrNiMoN 17-11-2 (1.4406) X5CrNiMo17-12-2 (1.4401) X6CrNiMoTi17-12-2 (1.4571) X2 CrNiMo17-12-3 (1.4432) X2CrNiMoN 17-13-3 (1.4429) X3CrNiMo17-13-3 (1.4436) X2CrNiMo18-14-3 (1.4435) X3CrNiMo18-12-3 (1.4449)	EN	10222-5	AT	Flanges	-	350	-	6000	1	15			*) To fulfil essential safety requirements of PER Schedule 2, for each material acc. to non designated standards a Particular Material Appraisal (PMA) is mandatory. Further plants: IT - 22010 Gera Lario (CO) IT - 23016 Cercino (SO) IT - 23824 Dervio (LC) (Only for machining) 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.
09*)	LF2 Cl.1 / Cl.2 (K03011) LF6 (K12202)	ASTM ASME	A350 SA-350	N	Forging / Flanges	-	850	-	1900	1	15			
10*)	A105 (K03504)	ASTM ASME	A105 SA105	N	Forging / Flanges	-	85	-	820	1	15			

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