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CERTIFICATE

TUV SUD BABT Unlimited

certifies that

FORGIA DI BOLLADE S.p.A.
Strada Provinciale 4, n. 9
IT – 46013 Canneto sull’Oglio (MN)

has implemented, operates and maintains a

**Quality Assurance System in accordance with the
Pressure Equipment (Safety) Regulation 2016/1105, Schedule 2, Part. 4,
Para. 31 (8) as well as EN 764-5, Para. 4.2**

as a material manufacturer for the scope of
forgings in unalloyed, alloyed and high alloyed steels.

The scope of the approval is described in the annex to this certificate.
Further details are mentioned in report no. C-722378007-26.

The manufacturer is therefore authorized to issue certificates of specific product control within the scope of the assessed quality system and in accordance with the Pressure Equipment (Safety) Regulation 2016/1105. Possible additional requirements - specific to applied technical specifications to meet PER 2016/1105, Schedule 2 - are not affected.

This certificate is valid through 2028-12-31.

In order to adhere the validity an annual surveillance audit is required.

Certificate No.: PER-0168-QS-M 3257599 /2023/MUC-02
Fareham, 2026-01-26

TUV SUD BABT Unlimited



(M. Strobel)

Certification Body
Materials and Permanent Joining

TUV SUD BABT Unlimited
Octagon House, Concorde Way Segensworth North,
Fareham, Hampshire, PO 15 5RL, United Kingdom

TÜV®



EQ3257599

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26.01.2026

**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 3257599/2023/MUC-02 von / dated 2026-01-26**

Name: FORGIA DI BOLLADE S.p.A. Manufacturer: Street: Strada Provinciale 4, n. 9 City: 46013 Canneto sull'Oglio (MN)								Country: IT	Date: rev. 0 2026-01-26	Page 1 of 4	Competent Body of TUV SUD BABT Unlimited			
No.	Material Designation Material Grade	Material Specification Spec.	Delivery Condition No.	Description Product	Dimensions				Weight 1=t 2=kg ↓ value	Requirements Technical Rules Spec.	Report no. C-722378007-26 dated 2025-11-17			
					Thickness [mm] from	Thickness [mm] to	Diameter [mm] from	Diameter [mm] to						
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10
01*)	Allgemeine Baustähle / constructional steels	EN	10250-2	N	Schmiedestück / forging Stabstahl / bar Flansch / flange	-	250	-	-	1	18,5			*) To fulfil essential safety requirements of PER Schedule 2, for each material acc. to non designated standards a Particular Material Appraisal (PMA) is mandatory.
02	X5CrNi18-10 (1.4301), X5CrNi18-12 (1.4303), X2CrNi19-11 (1.4306), X2CrNiN18-10 (1.4311), X5CrNiMo17-12-2 (1.4401), X2CrNiMo17-12-2 (1.4404), X2CrNiMoN 17-11-2 (1.4406), X6CrNiTi18-10 (1.4541), X6CrNiMoTi17-12-2 (1.4571)	EN	10222-5	AT	Schmiedestück / forging Stabstahl / bar Flansch / flange	-	250	-	-	1	5			
03	16Mo3 (1.5415), 11CrMo9-10 (1.7383), 13CrMo4-5 (1.7335), P250GH / C22.8 (1.0460), P245GH (1.0352), P265GH (1.0425), P280GH (1.0426), P295GH (1.0481), P305GH (1.0436)* ²	EN	10222-2	N/QT	Schmiedestück / forging Stabstahl / bar Flansch / flange Schüsse / steel sections	-	250	-	-	1	18,5			
04	P250GH / C22.8 (1.0460)	EN TÜVV	10222-2 350/3*)	N	Flansch / flange	-	* ² 300	-	-	1	* ² 8,2			
05	18MnMoNi5-5 (1.6308)	EN	10222-2	QT	Schmiedestück / forging Stabstahl / bar	-	220	-	-	1	2,1			
06	12Ni14 (1.5637)	EN	10222-3	QT	Schmiedestück / forging Stabstahl / bar Flansch / flange Schüsse / steel sections	-	105	-	-	1	2			

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

**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 3257599/2023/MUC-02 von / dated 2026-01-26**

Name: FORGIA DI BOLLATE S.p.A. Manufacturer: Street: Strada Provinciale 4, n. 9 City: 46013 Canneto sull'Oglio (MN)								Country: IT	Date: rev. 0 2026-01-26	Page 2 of 4	Competent Body of TUV SUD BABT Unlimited			
No.	Material Designation Material Grade	Material Specification Spec.	Delivery Condition No.	Description Product Code	Dimensions		Weight 1=t 2=kg ↓ value	Requirements Technical Rules Spec.	Report no. C-722378007-26 dated 2025-11-17	Remarks No.				
					Thickness [mm] from	Thickness [mm] to								
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10
07*)	C 22.3 (1.0427)	TÜVV	364	N	Schmiedestück / forging Stabstahl / bar Flansch / flange Schüsse / steel sections	-	150	-	-	1	18,5			*) 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.
08*)	C 21 (1.0432)	TÜVV	399/3	N	Schmiedestück / forging Stabstahl / bar Flansch / flange Schüsse / steel sections	-	150	-	-	1	18,5			
09	P285NH (1.0477), P355NH (1.0565), P355QH1 (1.0571), P355NL1 (1.0566), P355NL2 (1.1106), W-, T-, SIE 355 S420N (1.8902), P420NH (1.8932), P420QH (1.8936), S420NL (1.8912) P460QH (1.8871)	EN TÜVV TÜVV TÜVV TÜVV	10222-4 352/3*) 354/3*) 356/3*) 357/3*)	N/QT	Schmiedestück / forging Stabstahl / bar Flansch / flange Schüsse / steel sections	-	400	-	-	1	18,5			
10*)	15NiCuMoNb5 (1.6368)	TÜVV	377/3	QT	Schmiedestück / forging Stabstahl / bar Flansch / flange	-	300	-	-	1	5			
11*)	20Mn5 (1.1133), S235JRG2 (1.0038), S235J2G3 (1.0116), S355J2G3 (1.0570), S325G (1.0570)	EN	10250-2	N	Schmiedestück / forging	-	400	-	-	1	18,5			
12*)	20MnMoNi4-5 (1.6311)	EN	10250-3	QT	Schmiedestück / forging Stabstahl / bar	-	635	-	-	1	31,0			
13*)	X12Cr13 (1.4006)	EN	10250-4	QT	Schmiedestück / forging	-	230	-	-	1	17,2			

Explanation: AT = solution annealed NT = normalized and tempered N = normalized S = stress relieved TM = thermo-mech. treated U = not annealed
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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 3257599/2023/MUC-02 von / dated 2026-01-26**

Manufacturer: Name: FORGIA DI BOLLATE S.p.A. Street: Strada Provinciale 4, n. 9 City: 46013 Canneto sull'Oglio (MN)								Country: IT	Date: rev. 0 2026-01-26	Page 3 of 4	Competent Body of TUV SUD BABT Unlimited			
No.	Material Designation Material Grade	Material Specification Spec.	Delivery Condition No.	Description Product	Dimensions		Weight 1=t 2=kg ↓ value	Requirements Technical Rules Spec.	Report no. C-722378007-26 dated 2025-11-17	Remarks No.				
					Thickness [mm] from	Thickness [mm] to	Diameter [mm] from	Diameter [mm] to						
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10
14*)	SA-105	ASME ASTM	SA-105 A105	NT/QT	Schmiedestück / forging		-	805	-	-	1	18,0	*) To fulfil essential safety requirements of PER Schedule 2, for each material acc. to non designated standards a Particular Material Appraisal (PMA) is mandatory.	
15*)	F6A F9 F11 Cl3 F12 Cl2 F22 Cl1, Cl3 F22V	ASME ASTM	SA-182 A182	N/QT	Schmiedestück / forging		-	290	-	-	1	7,0		
							-	300	-	-	1	18,5		
							-	500	-	-	1	18,5		
							-	490	-	-	1	10,6		
							-	500	-	-	1	22,0		
							-	580	-	-	1	14,0		
16*)	F347/F347H F51, F53, F55	ASME ASTM	SA-182 A182	AT	Schmiedestück / forging		-	600	-	-	1	18,5		
17*)	F304, F304L, F316, F316L, F316LN, F316Ti, F317L, F321	ASME ASTM	SA-182 A182	AT	Schmiedestück / forging Stabstahl / bar		-	450	-	-	1	7,5		
18*)	F1, F5, F91 Type 1, F92	ASME ASTM	SA-182 SA-336 A182 A336	NT	Schmiedestück / forging		-	350	-	-	1	8,0		
19*)	F6a Cl.1/Cl.2	ASME ASTM	SA-182 A182	NT	Schmiedestück / forging		-	315	-	-	1	5,9		
20*)	Grade 1, 2, 3, 4	ASME ASTM	SA-266 A266	NT	Schmiedestück / forging		-	375	-	-	1	17,2		
21*)	F11 Cl3, F12, F22 Cl1, Cl3 F22V	ASME ASTM	SA-336 A336	N/NT/QT	Schmiedestück / forging Stabstahl / bar		-	340	-	-	1	24,0	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.	
22*)	LF2 LF6	ASME ASTM	SA-350 A350	N QT	Schmiedestück / forging Stabstahl / bar		-	500	-	-	1	22,0		
							-	490	-	-	1	10,6		
							-	500	-	-	1	22,0		
							-	580	-	-	1	14,0		

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					Thickness [mm] from	Thickness [mm] to								
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10
23*)	Grade 3 Cl.1/Cl.2	ASME ASTM	SA-508 A508	QT	Schmiedestück / forging	-	295	-	-	1	4,6			*) To fulfil essential safety requirements of PER Schedule 2, for each material acc. to non designated standards a Particular Material Appraisal (PMA) is mandatory.
24*)	630	ASME ASTM	SA-564 SA-705 A564 A705	A	Schmiedestück / forging	-	350	-	-	1	2,5			
25*)	F52, F60, F65, F70	ASTM	A694	QT	Schmiedestück / forging	-	580	-	-	1	10,0			
26*)	Grade II Grade IV	ASME ASTM	SA-765 A765	NT NT/QT	Schmiedestück / forging Stabstahl / bar	-	220	-	-	1	8,0			
27*)	LF2 LF3	ASME ASTM	SA-350 A350	N/QT	Schmiedestück / forging Stabstahl / bar Flansch / flange	20	600 380			1	7,815			
28*)	Grade 3 Cl.2, Grade 2 Cl.2	ASME ASTM	SA-508 A508	N/QT	Schmiedestück / forging Stabstahl / bar Flansch / flange	68	800 50			1	15,3 28,1			

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