

## CERTIFICATE

#### **TUV SUD BABT Unlimited**

certifies that

# BREITENFELD EDELSTAHL AG Breitenfeldstraße 22 AT-8662 St. Barbara im Mürztal

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, flanges, hollow components, bars, ingots and billets of unalloyed, low 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-725212944-22.

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 2025-11-30.

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

Certificate No.: PER-0168-QS-M 3268979/2023/MUC-01

Fareham, March 17th, 2023

**TUV SUD BABT Unlimited** 

Wivi. Ottober)

**Certification Body**Materials and Permanent Joining

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







## 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 3268979/2023/MUC-01 von / dated 2023-03-17

Name: BREITENFELD EDELSTAHL AG

Street: Breitenfeldstraße 22

City: 8662 St. Barbara im Mürztal

Country: Date: Page rev. 0 2023-03-17 1 of 2

**Competent Body of TUV SUD BABT Unlimited** 

		<u>,                                      </u>													
No.		Material Designation  Material Grade	Material Specification		Delivery Condition	Description Product	Dimer Thickness		ensions		Weight		Requirements Technical Rules		Report no. C-725212944-22
							[mm]		Diameter [mm]		1=t 2=kg	3			dated 2022-12-22
			Spec.	No.	Code		from	to	from	to	<b>↓</b>	value	Spec.	No.	Remarks
	1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10
(	1*)	S235JRG2 (1.0038), S235J2G3 (1.0116), S355J2G3 (1.0570), S235JR (1.0038), S275JR (1.0044), S235J2 (1.0117), S275J2 (1.0145), S355J2 (1.0577), S355K2 (1.0596)	EN EN DIN	10250-2 10025-2 17100	N	forging flange bar	-	400	-	400	-	-			*) To fulfil essential safety requirements of PER Schedule 2, for each material acc. to non designated standards a Particular Material Appraisal (PMA) is mandatory.
(	2	1.4307, 1.4306, 1.4311, 1.4301, 1.4541, 1.4550, 1.4948, 1.4941, 1.4912, 1.4404, 1.4406, 1.4401, 1.4571, 1.4432, 1.4429, 1.4436, 1.4435, 1.4910, 1.4439, 1.4539, 1.4547, 1.4529, 1.4650, 1.4449	EN EN EN SEW	10222-5 10272 10088-3 400	AT	forging bar hollow component flange		300 - 300 300	- - -	- 300 - -	- - -				
(	3	1.5525, 1.5535, 1.5507, 1.1181, 1.1191, 1.5511, 1.1133, 1.7218, 1.7225, 1.7233, 1.7711, 1.6957, 1.6958, 1.7709, 1.7729, 1.6582, 1.6580, 1.5680, 1.5662, 1.7390, 1.4923, 1.4938, 1.4913	EN	10269	QT	bar				d					
(	4	P250GH (1.0460), 16Mo3 (1.5415), 13CrMo4-5 (1.7335), 11CrMo9-10 (1.7383)	EN EN	10222-2 10273	N / QT	forging bar hollow component	- - -	750 - 750	- - -	- 750 -	-				
	5	P250GH/C 22.8 (1.0460)	EN TÜVV	10222-2 350/3	N	flange	-	250	-	-	-	-			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:

Manufacturer:

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

Created / revised: 2022-02-21 W. Schock Page 1 of 2
File: TS-BABT-M-10\_Scope of approval Revision: V 2 Printed copies are not subject to change service! Copyright TUV SUD BABT Unlimited



### 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 3268979/2023/MUC-01 von / dated 2023-03-17

BREITENFELD EDELSTAHL AG Name:

> Street: Breitenfeldstraße 22

City: 8662 St. Barbara im Mürztal Country: Date: Page rev. 0 ΑT 2023-03-17 2 of 2

**Competent Body of TUV SUD BABT Unlimited** 

No.	Material Designation Material Grade		terial fication	Delivery Condition	Description Product		Dimensions Thickness Diameter [mm] [mm]				eight	Requirements Technical Rules		Report no. C-725212944-22 dated 2022-12-22
		Spec.	No.	Code		from	to	from	to	2-kg ↓	value			Remarks
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	Spec. 9a	No. 9b	10
06*)	C 22.3 (1.0427)	TÜVV	364	N	forging bar hollow component Flansch / flange	- - -	150 - 150 150		- 150 -	- - -	- - - -	Ju	30	*) To fulfil essential safety requirements of PER Schedule 2, for each material acc. to non designated standards a Particular Material Appraisal (PMA) is mandatory.
07	X10CrMoVNb9-1 (1.4903)	EN	10222-2	QT	forging bar	-	400	-	- 600	-	-			
08	unalloyed and alloyed steels	EN EN EN EN EN EN SEW TÜVV TÜVV TÜVV	10025-2 10250-2 10269 10222-2 10273 10222-5 10272 10088-3 400 350/3 364 418 404/3	U	ingot	-	-	-	-	1	125			
														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:

Manufacturer:

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

Created / revised: 2022-02-21 Approved: 2022-02-21 W. Schock File: TS-BABT-M-10\_Scope of approval Revision: V 2 Printed copies are not subject to change service! Copyright TUV SUD BABT Unlimited