

**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 3408829/2024/MUC-01 von / dated 2024-10-09**

Name: ACERIA DE ALAVA, S.A.U. (ACERALAVA) Manufacturer: Street: Polígono Industrial Saratxo s/n City: 01470 Amurrio (ALAVA)						Country: ES	Date: rev. 0 2024-10-09	Page 1 of 3	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-8103631046PER-24 dated 2024-03-13
		Spec.	No.			Thickness [mm]		Diameter [mm]		1=t 2=kg ↓	value	Spec.	No.	Remarks
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10
01	X5CrNi18-10 (1.4301), X2CrNi18-9 (1.4307), X2CrNi19-11 (1.4306), X2CrNiMo17-12-2 (1.4404,), X5CrNiMo17-12-2 (1.4401), X6CrNiMoTi17-12-2 (1.4571), X6CrNiTi18-10 (1.4541), X2CrNiMo18-14-3 (1.4435)	EN	10272	AT	Stangen / bars	-	-	-	250	-	-			*) 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*)	Vormaterial / pre-material: Allgemeine Baustähle / Construction steels	EN DIN	10025-1 17100	U/N/QT	Blöcke / ingots Knüppel / billets Stangen / bars	- 80 80	- 500 500	- - -	- - -	1 - -	5 - -			
03	Vormaterial / pre-material: Warmfeste Stähle / Heat resistant steels	EN EN DIN*)	10216-2 10222-2 17175	U/N/QT	Blöcke / ingots Knüppel / billets Stangen / bars	- 80 80	- 500 500	- - -	- - -	1 - -	5 - -			
04	Vormaterial / pre-material: Austenitische Stähle / austenitic stainless steels	EN EN EN SEW*) DIN*) DIN*) DIN*)	10216-5 10222-2 10272 400 17458 17459 17440	U/AT	Blöcke / ingots Knüppel / billets Stangen / bars	- 80 80	- 500 500	- - -	- - -	1 - -	5 - -			
05	Vormaterial / pre-material Unlegierte und legierte Stähle bei tiefen Temperaturen / non-alloy and alloy steel with low temperatures	EN EN DIN*)	10216-4 10222-3 17173	U/N/QT	Blöcke / ingots Knüppel / billets Stangen / bars	- 80 80	- 500 500	- - -	- - -	1 - -	5 - -			

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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Name: ACERIA DE ALAVA, S.A.U. (ACERALAVA)	Country: ES	Date: rev. 0 2024-10-09	Page 2 of 3	Competent Body of TUV SUD BABT Unlimited
Manufacturer: Street: Polígono Industrial Saratxo s/n				
City: 01470 Amurrio (ALAVA)				

No.	Material Designation Material Grade	Material Specification		Delivery Condition Code	Description Product	Dimensions				Weight		Requirements Technical Rules		Report no. C-8103631046PER-24 dated 2024-03-13	
		Spec.	No.			Thickness [mm]		Diameter [mm]		1=t 2=kg	value	Spec.	No.	Remarks	
						from	to	from	to	↓					
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10	
06	Vormaterial / pre-material: Stähle für Befestigungselemente/ steels for fasteners	EN	10269	U/N/QT	Blöcke / ingots Knüppel / billets Stangen / bars	- 80 80	- 500 500	- - -	- - -	1 - -	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.	
07*)	Vormaterial / pre-material: X2CrNiMoN22-5-3 (1.4462) X1NiCrMoCu25-20-5 (1.4539) X8CrNi19-11 (1.4908) X10CrNiCuNb18-9-3 (1.4907) X6CrNiNbN25-20 (1.4952)	TÜVV TÜVV TÜVV TVÜV TÜVV	418 421 547 550 546	U/AT U/AT U/AT U/AT U/AT	Blöcke / ingots Knüppel / billets Stangen / bars	- 80 80	- 500 500	- - -	- - -	1 - -	5 - -				
08*)	Vormaterial / pre-material: X 15 CrNiSi 20 12 (1.4828), X 15 CrNiSi 25 20 (1.4841), X7CrNi2314 (1.4833), X 12 CrNi 25 21 (1.4845), X 10 NiCrAlTi 32 20 (1.4876), X 12 CrNiTi 18 9 (1.4878)	SEW	470	U/AT	Blöcke / ingots Knüppel / billets Stangen / bars	- 80 80	- 500 500	- - -	- - -	1 - -	5 - -				
09*)	Vormaterial / pre-material: X2CrNiMoCuWN25-7-4 (1.4501)	EN	10088-1	U/AT	Blöcke / ingots Knüppel / billets Stangen / bars	- 80 80	- 500 500	- - -	- - -	1 - -	5 - -				
10*)	Vormaterial / pre-material: Austenitische Stähle / austenitic stainless steels	EN	10088-1	U/AT	Blöcke / ingots Knüppel / billets Stangen / bars	- 80 80	- 500 500	- - -	- - -	1 - -	5 - -				
11*)	Vormaterial / pre-material: Hitzebeständige Stähle und Nickel- legierungen / heat restistant steels and Ni-alloys	EN	10095	U/AT	Blöcke / ingots Knüppel / billets Stangen / bars	- 80 80	- 500 500	- - -	- - -	1 - -	5 - -				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
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