



Annex to Certificate no.: 01 2627 IN/M1-240004.00

Scope according to:		<input checked="" type="checkbox"/> Directive 2014/68/EU, Annex I, point 4.3				<input checked="" type="checkbox"/> AD 2000-Merkblatt W 0						
Manufacturer		Work		Country		Date		Page no.		TÜV Rheinland Polska Sp. z o.o.		
Company name: FAS10 SUPERALLOY FORGINGS LLP Location: 21/B, SHAKTI SADAN, LAMINGTON ROAD. MUMBAI - 400007		PI03/S. No. 275/ Sky Compound, Vasai - 401208, Maharashtra, India		India		25-02-2025		1 of 4				
						Rev.: 1						
Pos.	Materials-term Materials-no.	Material specification	Delivery conditions	Article Type of Product	Dimensions				Weight max.		Technical specifications Requirements Technical regulations	Remarks
					Thickness mm		Ø mm		1=t 2=kg ↓	result		
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10


1. Materials according to harmonized European standards (hEN) and European Approval for Materials (EAM) acc. Directive 2014/68/EU

The use of the materials according to Directive 2014/68/EU is bound to the publication of Harmonized European Standards or to the qualification by a European material approval or to the particular material appraisal. With that the manufacturing reliability for equivalent material grades according to other standards (e.g. BS, AFNOR, ASME) is proved. The requirements and limits of the applicable code respectively the PED must be observed for the use of material grades listed in column 2 to 4.

1	1.4301,1.4307,1.4401,1.4404 1.4303, 1.4303, 1.4429, 1.4948 1.4910, 1.4919, 1.4941,1.4462 1.4436, 1.4057, 1.4507	EN 10269	AT	Fasteners								
2	1.7709, 1.4923, 1.1191	EN 10269	QT									
3	1.4567	EN 10269	AT/ C700				M6	M120				
4	1.4982	EN 10269	+AT+WW									
5	1.4980,2.4952	EN 10269	AT+P									
6	2.4668	EN 10269	+P									
7	1.4986	EN 10269	+WW+P									


Remarks: +AT = solution annealed +N = normalized or normalizing formed +S = soft annealed
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2. Materials according to the AD 2000 Code

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8	1.7225,1.7218	EN 10269	NT	Bolts			M6	M100			AD 2000 W2	
9	5.6/8.8	EN ISO 898-1	NT	Nuts							AD 2000 W7	
10	5 / 8	EN ISO 898-2	NT	Bolts			M6	M100			AD 2000 W10	
11	1.1181	EN 10269	N /QT									
12	1.7709, 1.4923,1.5511	EN 10269	QT									


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						Rev.: 1						
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3. Materials according to international standards (e.g. ASTM, ASME, IBR, etc.)

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13	B5,B6,B6X,B7,B7M,B16, B8CA B8 CI1&2,B8T CI1&2, B8A, B8TA CI1&2,B8C, B8MA,B8M CI1&2	ASTM A 193 ASME SA 193	+QT / +AT	Fasteners								PMA for the use in pressure equipment in Directive 2014/68/EU necessary 
14	L7,L7M,L43,B8,B8C,B8A,B8MA B8CA CI1&2,B8T CI1&2,B8M B8TA,B8MA,B8A,B8C	ASTM A 320 ASME SA 320	QT AT				M1	M120				
15	2,2H,2HM,3,4,7,7M,6,6X 8,8M,8T,8C,8A,8MA, 8TA,8CA	ASTM A 194 ASME SA 194	+QT/ +AT									
16	660 A/B/C/D, 665 A/B	ASTM A453 / ASME	QT+AT									
17	UNSN06625,N04400,N05500,N06022 N04405,C65100,65500,C71000 C71500,N10276,N06686,R50400 R56400,R52400,R50700,A92024	ASTM F 468 ASME SF 468 ASTM F 467 ASME SF 467	AT + P AR / SR									

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18	4.6, 4.8, 9.8,10.9,12.9	ISO 898-1	QT	Stud / Bolt								PMA for the use in pressure equipment in Directive 2014/68/EU necessary 
19	04 / 6 / 9 / 10 / 12	ISO 898-2	QT									
20	A1 - Cl 50, 70, 80	EN ISO 3506-1	AT/CW									
21	C1 – Cl 50,70	EN ISO 3506-1	AT/CW						M6	M120		
22	C3 – Cl 80	EN ISO 3506-1	AT/CW		Nuts				M6	M120		
23	C4 – Cl 50,70	EN ISO 3506-1	AT/CW									
24	F1 – Cl 45	EN ISO 3506-1	AT/CW									

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