



Annex to Certificate No. : 01 202 IND/Q-19 0028

Scope according to	<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3	<input type="checkbox"/> EN 764-4	<input checked="" type="checkbox"/> AD 2000-Merkblatt W0	<input type="checkbox"/> FPC, Regulation (EU) No. 305/2011(System 2+)								
Manufacturer		Work		Nationality	Date	Page No..						
Company Name: Shakti Forging Industries Pvt. Ltd.		E-20, Road C, Almighty Gate, GIDC Lodhika Kalaw ad Road, Vil. Metoda Rajkot – 360021, Gujarat, India		India	10-10-19	1	TÜV Rheinland					
Location: Rajkot					Rev.: 0	of : 2	Industrie Service GmbH					
Cur -	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max		Technical Specifications Requirements Technical Regulations	Remarks
					Thick-ness mm		Ø mm		1=t / 2=kg	result		
					from	Up to	from	Up to				
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
1. Materials according to the AD 2000-Code												
The use of the materials according to DGR 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	1.4307, 1.4404	EN10222-5	+AT	Pipe Fittings.	1.65	59.5	17.16	708			AD 2000 W2	
2	1.4307, 1.4404	EN10222-5	+AT	Flanges	11.2	60	100	610			AD 2000 W2	
Remarks		+AT = solution annealed		+NT = normalized and tempered		a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary						
		+AR = as rolled		+QT = quenched and tempered								
		+M = thermo mechanical treated		+S = soft annealed								
		+N = normalized or normalizing formed		+SR = stress relieved								

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					from	Up to	from	Up to				
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
2. Materials according to international standards (e. g. ASTM, ASME, IBR etc.)												
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3	SA / A105	A105M	+N	Pipe Fittings.	1.65	59.5	17.16	708				For ASTM Materials A PMA is required 
4	LF2	ASTM A350	+NT									
5	F304/H/L, F316/H/L, F321	ASTM A182	+AT	Flanges	11.2	60	100	610				
6	F11, F22, F5, F9, F91	ASTM A182	+NT									
7	WPB	ASTM A234	+N									
Remarks		+AT = solution annealed +AR = as rolled +M = thermo mechanical treated +N = normalized or normalizing formed		+NT = normalized and tempered +QT = quenched and tempered +S = soft annealed +SR = stress relieved		a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary						