




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: Dynamic Forge & Fittings (I) Pvt Ltd Location: Plot No 234 GIDC Umbergaon, Dist. Valsad, 396171, India		Plot No 234 GIDC Umbergaon, Dist. Valsad, 396171, India		India		29-08-2024	1 of 2					
						Rev.: [0]						
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 the AD 2000 Code

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, 1.4404, 1.4401 1.4541, 1.4571, 1.4307	EN 10222-5	AT	Forged Bars Flanges	2.10	25.4	50 12.7	500 1219.6			AD 2000 W 2,W9 W10	

Remarks: +AT = solution annealed +N = normalized or normalizing formed +S = soft annealed
 +AR = as rolled +NT = normalized and tempered +SR = stress relieved
 +M = thermomechanical treated +QT = quenched and tempered A = PMA for the use in pressure equipment in Directive 2014/68/EU necessary

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					Thickness mm		Ø mm		1=t 2=kg ↓	result		
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10

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

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.

2	F347, F316, F316L, F304, F304L, F04H . F321	ASTM A 182	AT	Forged Bars Flanges Forged Fittings	2.10	25.4	50	500				PMA for the use in pressure equipment in Directive 2014/68/EU necessary 
3	ASTM A 015	ASTM A 105	N					12.7	1219.6			
4	WPB,WPC	ASTM A 234	N	Seamless Pipe Fittings								
5	WP5, WP11, WP91	ASTM A 234	NT		2	40	21.3	1219.2				
6	WP304, WP304L, WP316, WP316L WP321, WP317, WP317L	ASTM A 403	AT	Welded Pipe Fittings								
7	WPHY52, WPHY60, WPHY65	ASTM A 860	N		2	40	21.3	1219.2				
8	WPS31803,WPS32750,WPS32205	ASTM A 815	AT									

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