



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: Synergy Steels Limited.		PLOT NO-2 & 5, Matsya Industrial Area, Alwar-301030, Rajasthan India		India	15-10-20	1	TÜV Rheinland Industrie Service					
Location: Alwar, Rajasthan					Rev.: 0	of : 2	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
<b>1. Materials according to the AD 2000-Code</b>												
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	1.4301 – X5CrNi18–10	EN 10272	+AR	Bright Bars	-	-	4.8	16	-	-	AD2000 W2	
2	1.4307 - X2CrNi18–9		+AR									
3	1.4401 - X5CrNiMo17–12–2		+AR									
4	1.4404 - X2CrNiMo17–12–2		+AT									
<b>Remarks</b>												
+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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Cur -	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max 1=t / 2=kg ↓ res ult	Technical Specifications Requirements Technical Regulations	Remarks	
					Thick-ness mm		Ø mm					
					from	Up to	from	Up to				
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
<b>2. Materials according to international standards ( e. g. ASTM, ASME, IBR etc. )</b>												
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.												
5	1.4301, 1.4307,1.4401,	EN 10088-3: 2014	+AR	Rods Wires	-	-	5.5	16	-	-	PMA for the use in pressure equipment in Directive 2014/68/EU necessary 	
6	1.4404,1.4016	EN 10088-3: 2014	+AT		Bright Bars	-	-	4.8	15	-		-
7	304, 304L, 316,	ASTMA276	+AR	Bright Bars	-	-	4.8	15	-	-		
8	316L,430	ASTMA276	+AT									
9	304, 304L, 316,	ASTMA580	+AR	Wires Wire Rods	-	-	1.6	6	-	-		
10	316L,430	ASTMA580	+AT		-	-	5.5	16	-	-		
<b>Results</b>		+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						