


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: Steamline Industries Limited		Survey No.:265 Paiki 3,4,8,12 & 13 At – Nananpur – 383 210.Tal: Prantij,Dist: Sabarkantha (Gujarat)		India	03-03-17	3	TÜV Rheinland Industrie Service GmbH																
Location: Nananpur – 383 210, Gujarat				Rev.: 1	of : 3																		
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												
					Thickness mm		Ø mm																
					from	upto	7a	7b															
1	2	3	4	5	6a	6b	7a	7b	8 a	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.																							
17	X 5 CrNi 18 -10 (1.4301)	EN 10217-7 EN 10216-5 EN 10216-5	AT	Welded Seamless Pipes Tubes U Tubes							AD 2000 W2												
18	X 2 CrNiMo 17 12 2 (1.4404)		AT		0.7	3.0	6.0	220															
19	X 2 CrNi 18- 9 (1.4307)		AT		0.7	3.0	6.0	88.9															
20	X 5 CrNiMo 17-12-2 (1.4401)		AT																				
21	X 6 CrNiTi 18 -10 (1.4541)		AT		1.65	12.70	10.30	323.8															
22	X 6 CrNiMoTi 17-12- 2 (1.4571)		AT		1.0	8.5	15.87	116.0															
23	X2CrNi19-11(1.4306)		AT																				
24	X7CrNiTi18-10(1.4940)	AT																					
Results																							
<table style="width:100%; border:none;"> <tr> <td style="width:33%;">* +AT = solution annealed</td> <td style="width:33%;">+NT = normalized and tempered</td> <td style="width:33%;">a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary</td> </tr> <tr> <td>+AR = as rolled</td> <td>+QT = quenched and tempered</td> <td></td> </tr> <tr> <td>+M = thermo mechanical treated</td> <td>+S = soft annealed</td> <td></td> </tr> <tr> <td>+N = normalized or normalizing formed</td> <td>+SR = stress relieved</td> <td></td> </tr> </table>												* +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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