



Scope according to		Pressure Equipment Safety Regulations 2016 SI 2016 No.: 1105 as amended										
Material Manufacturer		Manufacturing plant				Nationality	Date	Page No..				
Company Name: Columbus Stainless (Pty) Ltd.		Hendrina Road, Middelburg, South Africa				South Africa	17-11-23	1	TUV Rheinland UK Ltd			
Location: Hendrina Road, 1050 Middelburg, South Africa							Rev.: 0	of : 2				
Cur-	Product grades (Materials-term / Materials-No.)	Product code or standard (Material Specification)	Delivery Cond.	Product Form (Article, Type of Product)	Product dimensions / quantity (Dimensions)				Weight max 1=t / 2=kg ↓ res ult	Technical Specifications Requirements Technical Regulations	Original material manufacturers QMS Certificate / Remarks	
					Thickness mm		Ø mm					
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
<p>The use of the materials according to Pressure Equipment Safety Regulations 2016 as amended is bound to the publication of designated standards 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 PESR must be observed for the use of material grades listed in column 2 to 4.</p>												
1	X2CrNiMoN22-5-3(1.4462)	EN 10028-7	AT	Plate	6.0	63.5					AD 2000 W2,W10	
2	X2CrNiN23-4(1.4362)	EN 10028-7	AT	HR Coil / Sheet	2.5	8.0						
3	X2CrNi12(1.4003)	EN 10028-7	AT	CR Coil /Sheet	0.4	6.0						
4	X2CrTiNb18(1.4509)	EN 10028-7	AT	CR Coil /Sheet	0.4	6.0						
5	X3CrTi17(1.4510)	EN 10028-7	AT	CR Coil /Sheet	0.4	6.0						
6	X2CrMoTi18-2(1.4521)	EN 10028-7	AT	CR Coil /Sheet	0.4	6.0						
	X6CrMoNb17-1(1.4526)	EN 10028-7	AT	CR Coil /Sheet	0.4	6.0						
7	X5CrNi18-10 (1.4301)	EN 10028-7	AT	Plate	6.0	63.5						
8	X2CrNi19-11(1.4306)	EN 10028-7	AT									
9	X5CrNiMo17-12-2(1.4401)	EN 10028-7	AT									
10	X2CrNiMo17-12-2(1.4404)	EN 10028-7	AT									
11	X2CrNiMoN17-11-2(1.4406)	EN 10028-7	AT									
12	X6CrNiMoTi17-12-2(1.4571)	EN 10028-7	AT	HR Coil / Sheet	2.5	8.0						
13	X2CrNi18-9(1.4307)	EN 10028-7	AT									
14	X6CrNiTi18-10(1.4541)	EN 10028-7	AT				CR Coil /Sheet	0.4	6.0			
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 PESR 2016 as amended necessary			

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15	X2CrNiMo17-12-3(1.4432)	EN 10028-7	AT	Plate HR Coil / Sheet CR Coil /Sheet	6.0	63.5					AD 2000 W2,W10	 PMA for use in the pressure Equipment in PESR 2016 as Amended necessary
16	X2CrNiMo18-14-3(1.4435)		AT									
17	X3CrNiMo17-13-3(1.4436)		AT									
18	X6CrNi23-13(1.4950)		AT									
19	X6CrNi25-20(1.4951)		AT									
20	X2CrMnNiMoN21-5-3(1.4482)	EN 10088-2	AT									
21	301L, 301LN, 304, 304L, 316	ASTM A 240 ASME SA 240	AT									
22	309S, 310S, 316L, 316LN, 316Ti											
23	321, 430, 436, 439, 444											
24	S32001, S31803, 2205, 2304											
25	409, S40975, 410S, S41003											
26	S43932, S43940											
27	321H, 309H, 304H, 310H											
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