

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: Reinosa Forgings & Castings, S.L.				Paseo Alejandro Calonge 1 39200 Reinosa (Cantabria)	E	08.06.21	1	TÜV Rheinland Industrie Service GmbH															
Paseo Alejandro Calonge 1 39200 Reinosa (Cantabria) España									Rev.:4	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 *	Material Specification												
					Thick-ness mm		Ø mm																
					from	Up to	fr o m																
1	2	3	4	5	6a	6b	7 a	1	8a	8b	9	10											
1. Materials according to harmonized European standards (hEN) and European Approval for Materials (EAM) acc. Directive 2014/68/EU																							
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	11 CrMo 9-10 13 CrMo 45 16 Mo 3 P250GH	1.7383 1.7335 1.5415 1.0460	EN 10222.2 EN 10222.2 EN 10222.2 EN 10222.2	+QT +QT +QT +N	BARS BARS BARS BARS	220 220 220 220	500 500 500 750					1) 1) 1) 1)											
2	P355QH	1.0571	EN 10222.4	+QT	BARS	220	400					1)											
Remarks																							
<table border="0"> <tr> <td>+AT = solution annealed</td> <td>+NT = normalized and tempered</td> <td>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>1) = For greater values in diemsions will be necessary PMA</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	1) = For greater values in diemsions will be necessary PMA	+M = thermo mechanical treated	+S = soft annealed		+N = normalized or normalizing formed	+SR = stress relieved	
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Paseo Alejandro Calonge 1 39200 Reinosa (Cantabria) España						Rev.:4	of : 3	GmbH															
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					Thick-ness mm		Ø mm																
					from	Up to	from																
1	2	3	4	5	6a	6b	7a	1	8a	8b	9	10											
2. Materials according to the AD 2000-Code																							
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3	16 Mo 3 13 CrMo 45 11 CrMo 9-10 P250GH	1.5415 1.7335 1.7383 1.0460	DIN 10222 .2 DIN 10222 .2 DIN 10222 .2 EN 10222.2	+QT +QT +QT +N	BARS BARS BARS BARS	220 220 220 220	500 500 500 750				AD 2000 W13 AD 2000 W13 AD 2000 W13 AD 2000 W13	a a a a											
4	P355QH	1.0571	EN 10222.4	+QT	BARS	220	400				VdTUV 355/3												
Remarks																							
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					Thicknes s mm		1	2				3
1	2	3	4	5	6a	1			2	3	4	

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

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5	S 235 JRG2 1.0038	EN 10250.2	+AR	BARS	220	500					a 1)
	S 235J2G3 1.0116	EN 10250.2	+AR	BARS	220	500					a 1)
	S 355 J2G3 1.0570	EN 10250.2	+AR	BARS	220	500					a 1)
6	25 CrMo4 1.7218	EN 10250.3	+QT	BARS	220	330					a 1)
	42 CrMo 4 1.7225	EN 10250.3	+QT	BARS	220	660					a 1)
	34 CrNiMo 6 1.6582	EN 10250.3	+QT	BARS	220	660					a 1)
	30CrNiMo8 1.6580	EN 10250.3	+QT	BARS	220	660					a 1)
7	34 CrNiMo 6 1.6582	ISO 683.2	+QT	BARS	220	250					a 1)
	25 CrMo4 1.7218	ISO 683.2	+QT	BARS	220	250					a 1)
	42 CrMo 4 1.7225	ISO 683.2	+QT	BARS	220	250					a 1)

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	+AR = not treated		