

Scope according to		<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3	<input checked="" 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: CMF S.p.A. Location: Via Vino della Pace, 32/D I-34071 Cormons (GO)				CMF S.p.A. Via Vino della Pace, 32/D I-34071 Cormons (GO)		Italy	12.01.17	1	TÜV Rheinland Industrie Service GmbH			
						Rev.:00	of :	5				
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	8 a	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	25CrMo4	EN 10269	Acc. to standard	Forging	200	500	300	700	1	12	2014/68/EU	
2	42CrMo4	EN 10269	Acc. to standard	Forging	200	500	300	700	1	12	2014/68/EU	
3	X19CrMoNbVN11-1	EN 10269	Acc. to standard	Forging	200	500	300	700	1	12	2014/68/EU	
4	25CrMo4	EN 10269	Acc. to standard	Forging	200	500	300	700	1	12	2014/68/EU	
5	21CrMoV5-7	EN 10269	Acc. to standard	Forging	200	500	300	700	1	12	2014/68/EU	
6	16Mo3	EN 10273	+N +NT	Forging	200	500	300	700	1	12	2014/68/EU	
7	P460 NH	EN 10273	+N	Forging	200	500	300	700	1	12	2014/68/EU	
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 Directive 2014/68/EU necessary					



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8	X10CrMoVNb9-1	EN 10222-2	Acc. To standard	Forging	200	500	300	700	1	12	2014/68/EU	
9	X10CrWMoVNb9-2	EN 10222-2	Acc. To standard	Forging	200	500	300	700	1	12	2014/68/EU	
10	10CrMo9-10	EN 10222-2	Acc. To standard	Forging	200	500	300	700	1	12	2014/68/EU	
11	13CrMo4-5	EN 10222-2	Acc. To standard	Forging	200	500	300	700	1	12	2014/68/EU	
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					from	Up to	from	Up to				
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2. 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.												
1	16Mo3	EN 10273	+N NT	Forging	200	500	300	700	1	12	AD2000-W13	Inspection Certificate 3.2 acc. EN 10204 is required
2	13CrMo4-5	EN 10222-2	Acc. To standard	Forging	200	500	300	700	1	12	AD2000-W13	Inspection Certificate 3.2 acc. EN 10204 is required
3	10CrMo9-10	EN 10222-2	Acc. To standard	Forging	200	500	300	700	1	12	AD2000-W13	Inspection Certificate 3.2 acc. EN 10204 is required
4	P460NH	EN 10273	+N	Forging	200	500	300	700	1	12	AD2000-W13	Inspection Certificate 3.2 acc. EN 10204 is required
5	X10CrMoVNb9-1	EN 10222-2 VdTuv 511/3	Acc. To standard	Forging	200	500	300	700	1	12	AD2000-W13	The manufacturer is not listed in the VdTÜV material data sheet. Inspection Certificate 3.2 acc. EN 10204 is required Creep rupture testing is required
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3. Materials according to international standards (e. g. ISO, ASTM, ASME, IBR etc.)												
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1	C35E	EN 10083-2	+N +QT	Forging	200	500	300	700	1	12		A PMA by the pressure equipment manufacturer is requested for application acc. to 2014/68/EU.
2	AISI 4130 - Gr. 75K	ASTM A 322	+A +N +QT	Forging	200	700	300	700	1	10	ASTM	A PMA by the pressure equipment manufacturer is requested for application acc. to 2014/68/EU.
3	ASTM A182 - F22 Cl. 3 ASTM A182 - F91 ASTM A182 - F92	ASTM A 182	+A +NT	Forging	200	500	300	700	1	12	ASTM	A PMA by the pressure equipment manufacturer is requested for application acc. to 2014/68/EU.
4	ASTM A350 - LF2 Cl. 1 ASTM A350 - LF2 Cl. 2 ASTM A350 - LF3 Cl. 1 ASTM A350 - LF6 Cl. 1	ASTM A 350	+N +NT +QT	Forging	200	500	300	700	1	12	ASTM	A PMA by the pressure equipment manufacturer is requested for application acc. to 2014/68/EU.
5	ASTM A 694 - F52 mod. Ni ASTM A 694 - F65 mod. Ni	ASTM A 694	+N +NT +QT	Forging	200	500	300	700	1	12	ASTM	A PMA by the pressure equipment manufacturer is requested for application acc. to 2014/68/EU.



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6	SA 105M	SA 105M	+N +QT	Forging	200	500	300	700	1	12	ASME	A PMA by the pressure equipment manufacturer is requested for application acc. to 2014/68/EU.
7	SA 723M Gr. 1 Cl. 1 SA 723 Gr. 3 Cl. 2 SA 723M Gr. 3 Cl. 3 SA 723M Gr. 3 Cl. 2a	SA 723M	+N +QT	Forging	200	500	300	700	1	12	ASME	A PMA by the pressure equipment manufacturer is requested for application acc. to 2014/68/EU.
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