




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"/> Regulation (EU) No. 305/2011(System 2+)				
Manufacturer				Work				Nationality	Date	Page No..		
Company Name: Bueno Technology Co., Ltd. Location: 05 Road, Kcn Nhon Trach 3, Nhon Trach, Dong Nai, Vietnam				05 Road, Kcn Nhon Trach 3, Dong Nai, Vietnam				Taiwan, R.O.C.	2021.11.26	1	TÜV Rheinland Industrie Service GmbH	
								Rev.:2	of : 3			
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	res ult		
					from	Up to	from	Up to				
1	2	3	4	5	6a	6b	7a	7b	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.												
01	1.0619	DIN EN 10213	N	Casting	2.5	10	---	---	2	50	DIN EN 10213	 <i>Hanting Lin</i>
02	1.4309, 1.4308, 1.4409, 1.4408	DIN EN 10213	AT+QW	Casting	2.5	10	---	---	2	50	DIN EN 10213	
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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								Rev.:2	of : 3			
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					Thick-ness mm		Ø mm		1=t / 2=kg	res ult		
					from	Up to	from	Up to				
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
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.												
01	1.0619	AD 2000+EN10213	N	Casting	2.5	10	---	---	2	50	AD 2000-W5	 <i>Hantini Lin</i>
02	1.4308, 1.4408	AD 2000+EN10213	AT+QW	Casting	2.5	10	---	---	2	50	AD 2000-W5	
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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Cur -	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max 1=t / 2=kg ↓ result	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
3. Materials according to international standards (e. g. ASTM, ASME, IBR etc.)												
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.												
01	WCB	ASTM A216	N	Casting	2.5	10	---	---	2	50	ASTM A216	a (PMA is required)
02	CF3, CF3M, CF8, CF8M	ASTM A351	AT+QW	Casting	2.5	10	---	---	2	50	ASTM A351	a (PMA is required)
 Hanting Lin												
Results		+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								