



Scope according to		<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3	<input type="checkbox"/> EN 764-4		<input type="checkbox"/> AD 2000-Merkblatt W0		<input type="checkbox"/> Regulation (EU) No. 305/2011(System 2+)					
Manufacturer				Work				Nationality	Date	Page No..		
Company Name: Shilpan Steelcast Pvt, Ltd				Plot No. : G-2143, 2144, 2145-A, GIDC Lodhika, Kishan Gate, At. Metoda Kalaw ad Road, Rajkot – 360 021,				India	04.12.21	1	TÜV Rheinland Industrie Service GmbH	
Location: Rajkot								Rev.:0	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	
					Thick-ness mm		Ø mm					
					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.												
1	GX2CrNiMo19-11-2 (1.4409)	EN 10213	+AT	} Castings	4	40	-	-	0.2	35.00		
2	GX2CrNi19-11 (1.4309)	EN 10213	+AT		4	40	-	-	0.2	35.00		
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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Location: Rajkot						Rev.:0	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			
					from	Up to	from	Up to	↓	result		
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 provided. 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.												
3	GX5CrNiMo19-11-2 (1.4408)	EN 10213	+AT	Castings	4	40	-	-	0.20	35.0	AD 2000 W5	
4	GX5CrNi19-10 (1.4308)		+AT		4	40	-	-	0.20	35.0		
5	GP240GH (1.0619)		+N		4	40	-	-	0.20	35.0		
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 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		Technical Specifications Requirements Technical Regulations	Remarks
					Thick-ness mm		Ø mm		1=t / 2=kg			
					from	Up to	from	Up to	↓	result		
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.)

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6	CF8, CF8M, CF3M, CF3	ASTM A351	+AT	} Castings	4	40	-	-	0.20	35.00	PMA for the use in pressure equipment in Directive 2014/68/EU necessary
7	WCB	ASTM A216	+N		4	40	-	-	0.20	35.00	
8	CA15	ASTM A217	+NT		4	40	-	-	0.20	35.00	



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	