



Material - EN 1.4552

Standard Specification for Corrosion Resistant Steel Castings

Group - Ferrous Stainless Steel Alloys

Sub Group - EN 10283 Corrosion Resistant Steel Castings

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.070 max.	Solution Annealing	
Silicon	Si %	1.500 max.		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	18.000 - 20.000		
Nickel	Ni %	9.000 - 12.000		
Copper	Cu %	0.500 max.		
Niobium	Nb %	≤ 0.008 x %C - 1.000 max.		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 440 - 640 Yield Strength in Mpa 175 min. Elongation in % 25 min. Reduction of Area in % - Hardness in BHN - Impact in Joule 40 J @ -RT	
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-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
GX 5 CrNiNb 19-11	DIN	Germany	Casting
347 C 17	BS	British	Casting
SCS 21	JIS	Japan	Casting
SA-351 Grade CF8C	ASME	USA	Casting
A743 CF8C	ASTM	USA	Casting
A744 CF8C	ASTM	USA	Casting
A351 CH8C	ASTM	USA	Casting

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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