

## Material: BS 347 C 17

### Standard Specification for Austenitic Stainless Steel Castings for Pressure Purposes

**Group:** Ferrous Stainless Steel Alloys

**Sub Group:** BS 1504 Austenitic Stainless Steel Castings for Pressure Purposes

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

**Grade Belongs to the Industry:** Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.080 max.	Softening (cooling rapidly in air or water): 1000-1100 C	
Silicon	Si %	1.500 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	17.000 - 21.000		
Nickel	Ni %	8.500 min.		
Titanium	Ti %	5 x %C < 0,70%		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	480 min.
-	-	-	Yield Strength in Mpa	215 min.
-	-	-	Elongation in %	22 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4552	EN	European Union	Casting
GX 5 CrNiNb 19-11	DIN	Germany	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

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