

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		
Carbon	C %	0.080 max.
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
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Softening (cooling rapidly in air or water): 1000-1100 C

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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