

Material: ASTM A351 CF8M

Standard Specification for Castings, Austenitic, for Pressure-Containing Parts

Group: Ferrous Stainless Steel Alloys

Sub Group: ASTM A351 / 351M Castings, Austenitic, for Pressure-Containing Parts

Application: Intended for Valves, Pumps, General Engineering, Automobile and Other Industries Grade

Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.080 max.	Solution Annealing	
Silicon	Si %	1.500 max.		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	18.000 - 21.000		
Nickel	Ni %	9.000 - 12.000		
Molybdenum	Mo %	2.000 - 3.000		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	485 min.
			Yield Strength in Mpa	205 min.
			Elongation in %	30 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A743 CF8M	ASTM	USA	Casting
316	AISI	USA	Bar, Wire, Strip, Plate, Sheet and Forging
1.4409	DIN	Germany	Casting
1.4409	EN	European Union	Casting
316 S 17	BS	British	Wire for Cold Forged Fasteners
SUS 316	JIS	Japan	Hot Rolled Equal Leg Angles
03CH17N14M3	GOST	Russia	Pipes, Fittings, Bar, Sheet and Forging

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