

Material: ASTM A743 CC50

Standard Specification for Castings, Iron-Chromium-Nickel, Corrosion Resistant, for General Application

Group: Ferrous Stainless Steel Alloys

Sub Group: ASTM A743 / A743M Casting, Iron-Chromium-Nickel, corrosion Resistant Casting, for General Application

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

Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.500 max.	Normalising or Annealing	
Silicon	Si %	1.500 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	26.000 - 30.000		
Nickel	Ni %	4.000 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	380 min.
			Yield Strength in Mpa	-
			Elongation in %	-
			Reduction of Area in %	-
			Hardness in HB	241 max.
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G X 40 CrNi 27-4	DIN	Germany	Casting
G X 40 Cr 28	UNI	Italy	Casting
G X 35 CrNi 28 - 05	UNI	Italy	Casting
J92615	UNS	USA	Casting
1.4340	DIN	Germany	Casting
3444 Grade 9	IS	India	Casting
3444 Grade 13	IS	India	Casting

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