

Material: ASTM A743 CF3MN

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 %	0.030 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 %	17.000 - 22.000		
Nickel	Ni %	9.000 - 13.000		
Molybdenum	Mo %	2.000 - 3.000		
Nitrogen	N %	0.100 - 0.200		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 515 min. Yield Strength in Mpa 255 min. Elongation in % 35 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
-	-	-		
-	-	-		
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-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
316L	AISI	USA	Bar, Wire, Strip, Plate, Sheet and Forging
1.4404	DIN	Germany	Cold Rolled, Strips, Slit Coils and Sheets
1.4404	EN	European Union	Rod, Bars, Wire and Forging
316 S 11	BS	British	Bright Bars, Hot Rolled and Cold Rolled Coil
SUS 316L	JIS	Japan	Hot Rolled Equal Leg Angles
03CH17N14M3	GOST	Russia	Pipes, Fittings, Bar, Sheet and Forging
ASTM A 351 CF3MN	ASTM	USA	Casting

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