

Material: ASTM A743 CF3

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 %	2.000 max.		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	17.000 - 21.000		
Nickel	Ni %	8.000 - 12.000		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	485 min.
-	-	-	Yield Strength in Mpa	205 min.
-	-	-	Elongation in %	35 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
304L	AISI	USA	Bar, Wire, Strip, Plate, Sheet and Forging
1.4306	DIN	Germany	Cold Rolled, Strips, Slit Coils and Sheets
1.4307	EN	European Union	Rod, Bars, Wire and Forging
304 S 11	BS	British	Bright Bars, Hot Rolled and Cold Rolled Coil
SUS 304L	JIS	Japan	Hot Rolled Equal Leg Angles
04CH18N10	GOST	Russia	Pipes, Fittings, Bar, Sheet and Forging
ASTM A 351 CF3	ASTM	USA	Casting

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Customer Care: +91-99090 45075 Email: info@icastllp.com