

Material: ASTM A743 CB30

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 %	0.300 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 %	18.000 - 21.000		
Nickel	Ni %	2.000 max.		
Copper	Cu %	0.900 - 1.200		
Iron	Fe %	Balance		
-	-	-		
			Mechanical Properties	
Tensile Strength in Mpa		450 min.		
Yield Strength in Mpa		205 min.		
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
1.4059	DIN	Germany	Casting
J91803	UNS	USA	Casting
Ao X 20 CrNi 17-2	MSZ	Hungary	Casting
ANC 2	BS	British	Casting
Z 20 Cn 17.2M	AFNOR NF	France	Casting
G X 22 CrNi 17	DIN	Germany	Casting
3444 Grade 12	IS	India	Casting

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