

Material: BS ANC 2

Standard Specification for Martensitic Stainless Steel; Investment Castings

Group: Ferrous Stainless Steel Alloys

Sub Group: BS ANC 2 Martensitic Stainless Steel; Investment Castings

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.120 - 0.250	Hardening + Tempering	
Silicon	Si %	0.200 - 1.000		
Manganese	Mn %	0.200 - 1.000		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.035 max.		
Chromium	Cr %	15.500 - 20.000		
Nickel	Ni %	1.500 - 3.000		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 850 - 1000 Yield Strength in Mpa 630 min Elongation in % 8 min. Reduction of Area in % - Hardness in HB 248 - 302 Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J91803	UNS	USA	Casting
AoX 20 CrNi 17-2	MSZ	Hungary	Casting
1.4059	DIN	Germany	Casting
Z 20 Cn 17.2M	AFNOR NF	France	Casting
G X 22 CrNi 17	DIN	Germany	Casting
A743 CB30	ASTM	USA	Casting
3444 Grade 12	IS	India	Casting

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