



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		
Silicon	Si %	0.200 - 1.000		
Manganese	Mn %	0.200 - 1.000		
Phosphorus	Р%	0.035 max.	Hardening + Tempering	empering
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
-	-	-	Impac <mark>t in Joule</mark>	-

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	

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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