



Material - AFNOR NF Z7CNU17-04

Standard Specification for General Purpose Stainless Steels

Group - Ferrous Stainless Steel Alloys

Sub Group - AFNOR NF Z7CNU17-04 General Purpose Stainless Steels

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

Grade Belongs to the Industry - Steel

Chemical Composition			Heat Treatment	
Carbon	C %	0.070 max.	Normalising or Annealing or Hardening + Tempering	
Silicon	Si %	0.750 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.015 max.		
Chromium	Cr %	15.500 - 17.500		
Nickel	Ni %	4.000 - 5.000		
Niobium	Nb %	0.150 - 0.450		
Copper	Cu %	3.000 - 5.000		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 930 - 1650 Yield Strength in Mpa 720 - 1100 Elongation in % 5 min. Reduction of Area in % - Hardness in HB 363 max. Impact in Joule 30 J @ RT	
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-	-	-		
-	-	-		
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-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SA747 CB7Cu-1	ASME	USA	Casting
17-4PH	SAE	USA	Steel
J92180	UNS	USA	Casting
5622	AMS	USA	Bar, Wire, Tube and Forging
X 5 CrNiCuNb 16-4	DIN	Germany	Steel
X 5 CrNiCuNb 16-4	EN	European Union	Forging
A747 Grade CB7Cu-1(H900)	ASTM	USA	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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