

Material: AFNOR NF Z 4 CN 13.4 M

Standard Specification for Steel Castings for General Engineering Purposes

Group: Ferrous Stainless Steel Alloys

Sub Group: AFNOR NF Z 4 CN 13.4 M Steel Castings for General Engineering Purposes

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

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.060 max.	As Cast or Annealing or Normalizing or Hardening and Tempering	
Silicon	Si %	0.800 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.025 max.		
Chromium	Cr %	12.000 - 13.500		
Nickel	Ni %	3.500 - 4.500		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	700 min.
-	-	-	Yield Strength in Mpa	500 min.
-	-	-	Elongation in %	12 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	210 - 320
-	-	-	Impact in Joule	30 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
425C11	BS	British	Casting
2074/H3C	AS	Australia	Casting
2074/H3CM	AS	Australia	Casting
Z 4 CND 13.4 M	AFNOR NF	France	Casting
1.4313	EN	European Union	Casting
X3CrNiMo13-4	EN	European Union	Casting
1.4313	AFNOR NF	France	Casting

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