

# Material: AFNOR NF Z 4 CND 13.4 M

## Standard Specification for Steel Castings for General Engineering Purposes

**Group:** Ferrous Stainless Steel Alloys

**Sub Group:** AFNOR NF Z 4 CND 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		
Carbon	C %	0.060 max.
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
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Cast or Annealing or Normalizing or Hardening and Tempering

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 CN 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

**Disclaimer:** All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)



+91-99090 45075



[info@icastllp.com](mailto:info@icastllp.com)



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India