

Material: EN X3CrNiMo13-4

Standard Specification for Steel Castings for General Engineering Purposes

Group: Ferrous Stainless Steel Alloys

Sub Group: EN X3CrNiMo13-4 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 %	0.050 max.	As Cast or Annealing or Normalizing or Hardening and Tempering	
Silicon	Si %	0.700 max.		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.015 max.		
Chromium	Cr %	12.000 - 14.000		
Nickel	Ni %	3.500 - 4.500		
Molybdenum	Mo %	0.300 - 0.700		
Nitrogen	N %	0.020 max.		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	650 - 1100
-	-	-	Yield Strength in Mpa	520 min.
-	-	-	Elongation in %	10 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	320 max.
-	-	-	Impact in Joule	40 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
Z 4 CND 13.4 M	AFNOR NF	France	Casting
1.4313	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