GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - AS 2074/H3C

Standard Specification for Steel Castings for General Engineering Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - AS 2074/H3C 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 %	0.100 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.040 max.
Chromium	Cr %	11.500 - 13.500
Nickel	Ni %	3.400 - 4.200
Molybdenum	Mo %	0.600 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

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

Mechanical Properties	
Tensile Strength in Mpa	770 min.
Yield Strength in Mpa	620 min.
Elongation in %	12 min.
Reduction of Area in %	-
Hardness in BHN	235 - 321
Impact in Joule	25 J @ RT

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
425C11	BS	British	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
X3CrNiMo13-4	EN	European Union	Casting
1.4313	AFNOR NF	France	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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.