GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - DIN 1.4448

Standard Specification for High Alloyed CrNiMo Stainless Steel

Group - Ferrous Stainless Steel Alloys

Sub Group - DIN 1.4448 High Alloyed CrNiMo Stainless Steel

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

Grade Belongs to the Industry - Casting

Chemical Composition		
Carbon	C %	0.070 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	16.000 - 18.000
Nickel	Ni %	12.500 - 14.500
Molybdenum	Mo %	4.000 - 5.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	392.3 - 588.4
Yield Strength in Mpa	176.5 min.
Elongation in %	15 min.
Reduction of Area in %	-
Hardness in BHN	130 - 180
Impact in Joule	-

Cross Reference Table

Material	Standard	Country	Grade Belong to the Industry
SA-351 Grade CG8M	ASME	USA	Casting
317 C 16	BS	British	Casting
389 G X 8 CrNiMo 19-11-4	SFS	Finland	Casting
J93000	UNS	USA	Casting
A743 CG8M	ASTM	USA	Casting
A744 CG8M	ASTM	USA	Casting
A351 CG6M	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