Material - DIN 1.4339

Standard Specification for Alloy Steel Casting

Group - Ferrous Stainless Steel Alloys
Sub Group - DIN 1.4339 Alloy Steel Casting
Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries
Grade Belongs to the Industry - Casting

Chemical Composition		
Carbon	C %	0.250 - 0.400
Silicon	Si %	2.000 max.
Manganese	Mn %	1.500 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	27.000 - 29.000
Nickel	Ni %	9.000 - 11.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalising or Annealing or Hardening + Tempering

Mechanical Properties	
Tensile Strength in Mpa	550 min.
Yield Strength in Mpa	-
Elongation in %	4 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G X 35 CrNi 28-09	UNI	Italy	Casting
J93303	UNS	USA	Casting
G X 32 CrNi 28-10	DIN	Germany	Casting
309	SAE	USA	Bar, Wire, Shape and Forging
309	AMS	USA	Bar, Wire, Shape and Forging
309	AMS	USA	Bar, Wire, Shape and Forging
A447	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