



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - EN 1.4008

Standard Specification for Steel Castings for General Engineering Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - EN 1.4008 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 %	0.100 max.	As Cast or Annealing or Normalizing or Hardening and Tempering	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.025 max.		
Chromium	Cr %	12.000 - 13.500		
Nickel	Ni %	1.000 - 2.000		
Molybdenum	Mo %	0.200 - 0.500		
Copper	Cu %	0.300 max.		
Vanadium	V %	0.080 max.		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	590 min.
-	-	-	Yield Strength in Mpa	440 min.
-	-	-	Elongation in %	15 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	27 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
410C21	BS	British	Casting
1.4008	ONORM	Australia	Casting
1.4011	ONORM	Australia	Casting
GX12Cr12	ONORM	Australia	Casting
GX7CrNiMo12-1	ONORM	Australia	Casting
1.4011	EN	European Union	Casting
GX12Cr12	EN	European Union	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

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