



Material - BS 3100 Grade 309C35

Standard Specification for Steel Castings for General Engineering Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS 3100 Grade 309C35 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 %	0.200 - 0.500	As Cast or Annealing or Normalizing or Hardening and Tempering		
Silicon	Si %	1.500 max.			
Manganese	Mn %	2.000 max.			
Phosphorus	P %	0.040 max.			
Sulphur	S %	0.040 max.			
Chromium	Cr %	24.000 - 28.000			
Molybdenum	Mo %	1.500 max.			
Nickel	Ni %	11.000 - 14.000			
Iron	Fe %	Balance			
-	-	-			
Mechanical Properties			Tensile Strength in Mpa		510 min.
-	-	-	Yield Strength in Mpa		-
-	-	-	Elongation in %		7 min.
-	-	-	Reduction of Area in %		-
-	-	-	Hardness in BHN		-
-	-	-	Impact in Joule		-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Z 40NC25.12-M	AFNOR NF	France	Casting
309C32	BS	British	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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