



Material - BS 3100 Grade 304C12LT196

Standard Specification for Steel Castings for General Engineering Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS 3100 Grade 304C12LT196 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 %	0.030 max.	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 %	17.000 - 21.000		
Nickel	Ni %	8.000 - 12.000		
Iron	Fe %	Balance		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	430 min.
-	-	-	Yield Strength in Mpa	215 min.
-	-	-	Elongation in %	26 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
304C12	BS	British	Casting
Z 2 CN 18-10 M	AFNOR NF	France	Casting
1.4309	ONORM	Australia	Casting
1.4309	UNE	Spain	Casting
1.4309	MSZ	Hungary	Casting
1.4309	SS	Sweden	Casting
1.4309	UNI	Italy	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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