



**GRAVITY CAST PVT. LTD.**  
**GRAVITY GROUP OF COMPANIES**

## Material - BS 3100 Grade 330C12

### Standard Specification for Steel Castings for General Engineering Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS 3100 Grade 330C12 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 %	0.750 max.	As Cast or Annealing or Normalizing or Hardening and Tempering	
Silicon	Si %	3.000 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.050 max.		
Sulphur	S %	0.050 max.		
Chromium	Cr %	13.000 - 20.000		
Molybdenum	Mo %	1.500 max.		
Nickel	Ni %	30.000 - 40.000		
Iron	Fe %	Balance		
-	-	-	<b>Mechanical Properties</b>	
-	-	-	Tensile Strength in Mpa	400 min.
-	-	-	Yield Strength in Mpa	200 min.
-	-	-	Elongation in %	4 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	180 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Z 40NC35.15-M	AFNOR NF	France	Casting
330C16	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](mailto:marketing@gravitycastindia.com)**

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

**ONE STOP SOLUTION FOR METAL PARTS**