GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - Gravity 13C

Standard Specification for Structural and Constructional Steels

Group - Ferrous Mild Steel Alloys

Sub Group - Gravity 13C Structural and Constructional Steels

Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries

Grade Belongs to the Industry - Steel, Bars, Rods, Casting and Forging

Chemical Composition		
Carbon	C %	0.610 max.
Silicon	Si %	0.350 max.
Manganese	Mn %	0.700 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.040 max.
Chromium	Cr %	0.250 max.
Other	Ot %	1.000 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or As-Cast or Annealing or Normalizing or Normalizing & Tempering or Quenching & Tempering or Hardening & Tempering

Mechanical Properties	
Tensile Strength in Mpa	600 min.
Yield Strength in Mpa	400 min.
Elongation in %	10 min.
Reduction of Area in %	20 min.
Hardness in HB	200 - 300
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
G51500	UNS	USA	Steel
17140-1 1.0612	DIN	Germany	Steel and Wire Rods
17140 D 65-2	DIN	Germany	Steel and Wire Rods
17140 1.0612	DIN	Germany	Steel and Wire Rods
14959 65	GOST	Russia	Steel
5598 3 CD 65	UNI	Italy	Steel and Wire Rods
6742 65	BDS	Bulgaria	Steel

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email 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.