GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 3261 55C8

Standard Specification for Carbon Steel Forgings for Shipbuilding Industry

Group - Ferrous Mild Steel Alloys

Sub Group - IS 3261 55C8 Carbon Steel Forgings for Shipbuilding Industry

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

Grade Belongs to the Industry - Steel and Forging

Chemical Composition		
Carbon	C %	0.500 - 0.600
Silicon	Si %	0.150 - 0.350
Manganese	Mn %	0.600 - 0.900
Sulphur	S %	0.050 max.
Phosphorus	P %	0.050 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Annealing or Normalising or Hardening + Tempering

Mechanical Properties	
Tensile Strength in Mpa	-
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
IS 9175 55C8	IS	India	Steel
IS 5517 55C8	IS	India	Steel
IS 3445 55C8	IS	India	Steel and Forging
IS 1875 55C8	IS	India	Billets, Blooms, Slabs, Bars and Forging
IS 7494 55C8	IS	India	Steel
IS 2004 55C8	IS	India	Steel and Forging
17200 Ck 55	DIN	Germany	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.