GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10293 1.0454 (GE270)

Standard Specification for Steel Castings for general engineering uses

Group - Ferrous Mild Steel Alloys

Sub Group - BS EN 10293 1.0454 (GE270) Steel Castings for general engineering uses

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

Grade Belongs to the Industry - Casting

Chemical Composition		
Phosphorus	P %	0.035 max.
Sulphur	S %	0.030 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Normalizing & Tempering or Quenching & Tempering

Mechanical Properties	
Tensile Strength in Mpa	480 min.
Yield Strength in Mpa	270 min.
Elongation in %	22 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	29 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
A 178 Grade D	ASTM	USA	Steel and Tubing
A 210 Grade C	ASTM	USA	Steel and Tubing
A 356 Grade 5	ASTM	USA	Steel and Casting
A 356 Grade 6	ASTM	USA	Steel and Casting
A 470 Class 1	ASTM	USA	Steel and Forging
SA-178 Grade D	ASME	USA	Steel and Tubing
SA-210 Grade C	ASME	USA	Steel and Tubing

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.