GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A372 Grade C

Standard Specification for Carbon and Alloy Steel Forgings for Thin-Walled Pressure Vessels

Group - Ferrous Mild Steel Alloys
Sub Group - ASTM A372 Grade C Carbon and Alloy Steel Forgings for Thin-Walled Pressure Vessels
Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries
Grade Belongs to the Industry - Forging

Chemical Composition		
Carbon	C %	0.480 max.
Manganese	Mn %	1.650 max.
Phosphorus	P %	0.025 max.
Sulphur	S %	0.025 max.
Silicon	Si %	0.150 - 0.350
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Normalizing or Normalizing & Tempering or Quenching & Tempering

Mechanical Properties	
Tensile Strength in Mpa	620 - 795
Yield Strength in Mpa	380 min.
Elongation in %	15 min.
Reduction of Area in %	-
Hardness in HB	187 min.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
17172 1.0429	DIN	Germany	Steel
17172 StE 290.7	DIN	Germany	Steel and Pipe
EN 10025 1.0037	DIN	Germany	Steel
EN 10025 S275JR / Fe 430 B	DIN	Germany	Steel
EN 10025 S 275 JR	AFNOR NF	France	Steel
G 3106 E 275 B	JIS	Japan	Steel
EN 10025 S 275 JR	B.S.	United Kingdom	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

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