GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A372 Grade G Class 65

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

Group - Ferrous Mild Steel Alloys
Sub Group - ASTM A372 Grade G Class 65 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 %	0.250 - 0.350
Manganese	Mn %	0.700 - 1.000
Phosphorus	P %	0.025 max.
Sulphur	S %	0.025 max.
Silicon	Si %	0.150 - 0.350
Chromium	Cr %	0.400 - 0.650
Molybdenum	Mo %	0.150 - 0.250
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

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

Mechanical Properties	
Tensile Strength in Mpa	725 - 895
Yield Strength in Mpa	450 min.
Elongation in %	19 min.
Reduction of Area in %	-
Hardness in HB	217 min.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
G86220	UNS	USA	Steel
K13049	UNS	USA	Steel
J 1249 EX 25	SAE	USA	Steel
J 1249 EX 26	SAE	USA	Steel
J 1249 EX 27	SAE	USA	Steel
SA-372 Type V Grade 2	ASME	USA	Forging
SA-372 Grade G Class 65	ASME	USA	Forging

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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