GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A266 Grade 4

Standard Specification for Carbon Steel Forgings for Pressure Vessel Components

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A266 Grade 4 Carbon Steel Forgings for Pressure Vessel Components

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

Grade Belongs to the Industry - Forging

Chemical Composition		
Carbon	C %	0.300 max.
Manganese	Mn %	0.800 - 1.350
Phosphorus	P %	0.025 max.
Sulphur	S %	0.025 max.
Silicon	Si %	0.150 - 0.350
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

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

Mechanical Properties	
Tensile Strength in Mpa	485 - 655
Yield Strength in Mpa	250 min.
Elongation in %	20 min.
Reduction of Area in %	33 min.
Hardness in HB	137 - 197
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
K03017	UNS	USA	Steel
K02403	UNS	USA	Steel
A 516 Grade 65	ASTM	USA	Steel and Plates
A 516 Grade 70	ASTM	USA	Steel and Plates
A 672 Grade C 70	ASTM	USA	Steel and Pipe
SA-516 Grade 70	ASME	USA	Steel and Plates
SA-516 Grade 65	ASME	USA	Steel and Plates

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.