GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A506 G41180

Standard Specification for Alloy and Structural Alloy Steel, Sheet and Strip, Hot-Rolled and Cold-Rolled

Group - Ferrous Mild Steel Alloys
Sub Group - ASTM A506 G41180 Alloy and Structural Alloy Steel, Sheet and Strip, Hot-Rolled and Cold-Rolled
Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries
Grade Belongs to the Industry - Sheet and Strip

Chemical Composition		
Carbon	C %	0.180 - 0.230
Manganese	Mn %	0.700 - 0.900
Phosphorus	P %	0.035 max.
Sulphur	S %	0.035 max.
Silicon	Si %	0.150 - 0.300
Chromium	Cr %	0.400 - 0.600
Molybdenum	Mo %	0.080 - 0.150
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing

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**
SAE J 404 4118	AISI	USA	Steel
A 29 4118	ASTM	USA	Steel and Bars
A 505 4118	ASTM	USA	Sheet and Strip
A 513 4118	ASTM	USA	Tubing
A 519 4118	ASTM	USA	Tubing
SA-29 Grade 4118	ASME	USA	Steel and Bars
SA-513 4118	ASME	USA	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

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