GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A506 G50460

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 G50460 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 %	0.430 - 0.500
Manganese	Mn %	0.750 - 1.000
Phosphorus	P %	0.040 max.
Sulphur	S %	0.040 max.
Silicon	Si %	0.150 - 0.300
Chromium	Cr %	0.200 - 0.350
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**
5046	AISI	USA	Steel
5046 H	AISI	USA	Steel
J 1397 5046	SAE	USA	Steel
A 29 5046	ASTM	USA	Steel and Bars
A 505 5046	ASTM	USA	Sheet and Strip
A 519 5046	ASTM	USA	Tubing
17210 1.3561	DIN	Germany	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

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.