GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A299 Grade A

Standard Specification for Pressure Vessel Plates, Carbon Steel, Manganese-Silicon

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A299 Grade A Pressure Vessel Plates, Carbon Steel, Manganese-Silicon

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

Grade Belongs to the Industry - Plates

Chemical Composition		
Carbon	C %	0.280 max.
Manganese	Mn %	0.900 - 1.500
Phosphorus	P %	0.035 max.
Sulphur	S %	0.035 max.
Silicon	Si %	0.150 - 0.400
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Normalizing or Stress Relieved

Mechanical Properties	
Tensile Strength in Mpa	515 - 655
Yield Strength in Mpa	290 min.
Elongation in %	19 min.
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**
K02506	UNS	USA	Steel
9330-2 PH 27	ISO	International	Tubing
9329-2 PH 29	ISO	International	Tubing
9330-2 PH 35	ISO	International	Tubing
9329-2 PH 35	ISO	International	Tubing
17172 1.0429	DIN	Germany	Steel and Pipe
SA-299	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

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