GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A1008 SS Grade 40 [275] Type 1

Standard Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy and High-Strength Low-Alloy with Improved Formability

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A1008 SS Grade 40 [275] Type 1 Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy and High-Strength Low-Alloy with Improved Formability

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

Grade Belongs to the Industry - Steel and Sheet

Chemical Composition		
Carbon	C %	0.200 max.
Manganese	Mn %	0.900 max.
Phosphorus	P %	0.035 max.
Sulphur	S %	0.035 max.
Copper	Cu %	0.200 max.
Nickel	Ni %	0.200 max.
Chromium	Cr %	0.150 max.
Molybdenum	Mo %	0.060 max.
Vanadium	V %	0.008 max.
Niobium	Nb %	0.008 max.
Cr + Cu + Mo + Ni	Cr% + Cu% + Mo% + Ni%	0.500 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-

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

Mechanical Properties	
Tensile Strength in Mpa	360 min.
Yield Strength in Mpa	275 min.
Elongation in %	20 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**
A 1008 SS Grade 25 [170]	ASTM	USA	Steel and Sheet
A 1008 SS Grade 30 [205]	ASTM	USA	Steel and Sheet
A 1008 SS Grade 33 [230] Type 1	ASTM	USA	Steel and Sheet
A 1008 SS Grade 33 [230] Type 2	ASTM	USA	Steel and Sheet
A 1008 SS Grade 80 [550]	ASTM	USA	Steel and Sheet
SA-1008 SS Grade 25 [170]	ASME	USA	Steel and Sheet
SA-1008 SS Grade 30 [205]	ASME	USA	Steel and Sheet

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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