GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A1011 SS Grade 30 [205]

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

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A1011 SS Grade 30 [205] Steel, Sheet and Strip, Hot-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 - Sheet and Strip

Chemical Composition		
Carbon	C %	0.250 max.
Manganese	Mn %	0.900 max.
Phosphorus	P %	0.035 max.
Sulphur	S %	0.040 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	340 min.
Yield Strength in Mpa	205 min.
Elongation in %	25 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

www.gravitycastindia.com

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
A 1008 SS Grade 30 [205]	ASTM	USA	Steel and Sheet
A 1018 SS Grade 30 [205]	ASTM	USA	Steel
A 134 A 570 Grade 30 [205]	ASTM	USA	Steel and Pipe
A 591 A794-CS Type 1021	ASTM	USA	Steel and Sheet
SA-134 A570-Grade 30	ASME	USA	Steel and Pipe
SA-1008 SS Grade 30 [205]	ASME	USA	Steel and Sheet
SA-1011 SS Grade 30 [205]	ASME	USA	Sheet and Strip

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.