GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A1008 Grade EDDS

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 Grade EDDS 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 %	0.020 max.
Manganese	Mn %	0.400 max.
Phosphorus	P %	0.020 max.
Sulphur	S %	0.020 max.
Aluminium	Al %	0.010 min.
Copper	Cu %	0.100 max.
Nickel	Ni %	0.100 max.
Chromium	Cr %	0.150 max.
Molybdenum	Mo %	0.030 max.
Vanadium	V %	0.008 max.
Niobium	Nb %	0.100 max.
Titanium	Ti %	0.150 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	-
Yield Strength in Mpa	105 - 170
Elongation in %	40 min.
Reduction of Area in %	-
Hardness in HRC	45 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
A 308 EDDS	ASTM	USA	Steel and Sheet
A 653 EDDS	ASTM	USA	Steel and Sheet
10016-3 1.1185	EN	European Union	Steel and Rods
10016-3 C 2 D 1	EN	European Union	Steel and Rods
EN 10016-3 1.1185	DIN	Germany	Steel and Rods
EN 10016-3 C2D1	DIN	Germany	Steel and Rods
SA-1008 EDDS	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

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.