GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A2 Class C

Standard Specification for Carbon Steel Girder Rails of Plain, Grooved, and Guard Types

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A2 Class C Carbon Steel Girder Rails of Plain, Grooved, and Guard Types

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

Grade Belongs to the Industry - Casting

Chemical Composition		
Carbon	C %	0.750 - 0.900
Manganese	Mn %	0.600 - 0.900
Phosphorus	P %	0.040 max.
Silicon	Si %	0.100 - 0.400
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	-
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**
K08201	UNS	USA	Steel
G10800	UNS	USA	Steel
1080.000	AISI	USA	Steel
5598 3 CD 80	UNI	Italy	Steel and Wire Rods
A 682 Grade 1080	ASTM	USA	Strip
A 510 1080	ASTM	USA	Steel and Wire Rods
AMS 5110 1080	SAE	USA	Steel and Wire

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.