GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A322 G41200

Standard Specification for Steel Bars, Alloy, Standard Grades

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A322 G41200 Bars, Alloy, Standard Grades

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

Grade Belongs to the Industry - Bars

Chemical Composition		
Carbon	C %	0.180 - 0.230
Manganese	Mn %	0.900 - 1.200
Phosphorus	P %	0.035 max.
Sulphur	S %	0.040 max.
Silicon	Si %	0.150 - 0.350
Chromium	Cr %	0.400 - 0.600
Molybdenum	Mo %	0.130 - 0.200
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing or Spheroidize Annealing or Stress Relieved

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**
H41200	UNS	USA	Steel
SAE J 404 4120	AISI	USA	Steel
4120 H	AISI	USA	Steel
A 29 4120	ASTM	USA	Steel and Bars
A 914 Grade 4120RH	ASTM	USA	Steel and Bars
J 1249 EX 15	SAE	USA	Steel
J 1081 PS 20	SAE	USA	Steel

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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