GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A242 Type 1

Standard Specification for High-Strength Low-Alloy Structural Steel

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A242 Type 1 High-Strength Low-Alloy Structural Steel

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

Grade Belongs to the Industry - Steel

Chemical Composition		
Carbon	C %	0.150 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.150 max.
Sulphur	S %	0.050 max.
Copper	Cu %	0.200 min.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

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

Mechanical Properties	
Tensile Strength in Mpa	485 min.
Yield Strength in Mpa	345 min.
Elongation in %	21 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**
K11510	UNS	USA	Steel
K12709	UNS	USA	Steel
K12700	UNS	USA	Steel
K02601	UNS	USA	Steel
A 618 Grade Ib	ASTM	USA	Tubing
A 618 Grade III	ASTM	USA	Tubing
A 618 Grade Ia	ASTM	USA	Tubing

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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