GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A333 Grade 1

Standard Specification for Seamless and Welded Steel Pipe for Low-Temperature Service

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A333 Grade 1 Seamless and Welded Steel Pipe for Low-Temperature Service

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

Grade Belongs to the Industry - Pipe

Chemical Composition		
Carbon	C %	0.300 max.
Manganese	Mn %	0.400 - 1.060
Phosphorus	P %	0.025 max.
Sulphur	S %	0.025 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Normalizing

Mechanical Properties	
Tensile Strength in Mpa	380 min.
Yield Strength in Mpa	205 min.
Elongation in %	25 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	18 @ -45˚C

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
K03008	UNS	USA	Steel
A 334 Grade 1	ASTM	USA	Tubing
SA-333 Grade 1	ASME	USA	Pipe
SA-334 Grade 1	ASME	USA	Tubing
G 3460 STPL 39	JIS	Japan	Pipe
G 3460 STPL 380	JIS	Japan	Pipe
17175 St 45.8	DIN	Germany	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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