GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A210 Grade C

Standard Specification for Seamless Medium-Carbon Steel Boiler and Superheater Tubes

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A210 Grade C Seamless Medium-Carbon Steel Boiler and Superheater Tubes

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

Grade Belongs to the Industry - Tubing

Chemical Composition		
Carbon	C %	0.350 max.
Manganese	Mn %	0.290 - 1.060
Phosphorus	P %	0.035 max.
Sulphur	S %	0.035 max.
Silicon	Si %	0.100 min.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing or Normalizing

Mechanical Properties	
Tensile Strength in Mpa	485 min.
Yield Strength in Mpa	275 min.
Elongation in %	30 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**
K03501	UNS	USA	Steel
K02203	UNS	USA	Steel
17175 St 45.8	DIN	Germany	Tubing
A 520 A210 C	ASTM	USA	Steel
4747 A 45.47	MSZ	Hungary	Tubing
SA-210 Grade C	ASME	USA	Tubing
G 3461 STB 42	JIS	Japan	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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