GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A213 TP201

Standard Specification for Seamless Ferritic and Austenitic Alloy-Steel Boiler, Superheater, and Heat-Exchanger Tubes

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A213 TP201 Seamless Ferritic and Austenitic Alloy-Steel Boiler, Superheater, and Heat-Exchanger Tubes

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

Grade Belongs to the Industry - Steel Tubes

Chemical Composition		
Carbon	C %	0.150 max.
Manganese	Mn %	5.500 - 7.500
Phosphorus	P %	0.060 max.
Sulphur	S %	0.030 max.
Silicon	Si %	1.000 max.
Chromium	Cr %	16.000 - 18.000
Nickel	Ni %	3.500 - 5.500
Nitrogen	N %	0.250 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	655 min.
Yield Strength in Mpa	260 min.
Elongation in %	35 min.
Reduction of Area in %	-
Hardness in HBW	219 max.
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
S20100	UNS	USA	Plate, Sheet and Strip
J 405 30201	SAE	USA	Steel
G 4309 SUS 201	JIS	Japan	Wire and Forging
SA-412 Type 201	ASME	USA	Plate, Sheet and Strip
A 249 TP201	ASTM	USA	Steel and Tubing
A 959 Type 201	ASTM	USA	Steel
A 276 201	ASTM	USA	Bars and Shapes

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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