GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-213 Grade TP347W

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

Group - Ferrous Stainless Steel Alloys

Sub Group - ASME SA-213 Grade TP347W 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 - Tubing

Chemical Composition		
Carbon	C %	0.050 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.030 max.
Silicon	Si %	1.000 max.
Chromium	Cr %	17.000 - 20.000
Nickel	Ni %	8.000 - 11.000
Niobium	Nb %	0.100 - 0.250
Niobium	Nb %	0.250 - 0.500
Vanadium	V %	0.200 - 0.500
Tungsten	W %	1.500 - 2.600
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment
Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	620 min.
Yield Strength in Mpa	260 min.
Elongation in %	30 min.
Reduction of Area in %	-
Hardness in BHN	219 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
S34705	UNS	USA	Steel
6738 0 Ch 18 N 10	BDS	Bulgaria	Steel
6738 0 Ch 18 N 10 T	BDS	Bulgaria	Steel
5632 03Ch18N10T	GOST	Russia	Steel
5632 04Ch18N10	GOST	Russia	Steel
5632 05Ch18N10T	GOST	Russia	Steel
3583 10 NC 180	STAS	Romania	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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