GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A409 TP310Cb

Standard Specification for Welded Large Diameter Austenitic Steel Pipe for Corrosive or High-Temperature Service

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A409 TP310Cb Welded Large Diameter Austenitic Steel Pipe for Corrosive or High-Temperature Service

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

Grade Belongs to the Industry - Bars, Plate, Sheet, Strip, Pipe and Rods

Chemical Composition		
Carbon	C %	0.080 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.030 max.
Silicon	Si %	1.000 max.
Nickel	Ni %	19.000 - 22.000
Chromium	Cr %	24.000 - 26.000
Niobium	Nb %	0.010 - 1.100
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	515 min.
Yield Strength in Mpa	205 min.
Elongation in %	-
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
1501-3 310 S 16	B.S.	United kingdom	Steel and Plate
1501-3 310S16-E	B.S.	United kingdom	Steel and Plate
SA-312 TP310Cb	ASME	USA	Steel and Pipe
SA-813 TP310Cb	ASME	USA	Steel and Pipe
A 249 TP 310Cb	ASTM	USA	Steel and Tube
A 959 Type 310Cb	ASTM	USA	Steel
A 403 WP 310S	ASTM	USA	Steel and Pipe

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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