GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-312 S30815

Standard Specification for Seamless, Welded, and Heavily Cold Worked Austenitic Stainless Steel Pipes

Group - Ferrous Stainless Steel Alloys

Sub Group - ASME SA-312 S30815 Seamless, Welded, and Heavily Cold Worked Austenitic Stainless Steel Pipes

Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries
Grade Belongs to the Industry - Steel and Pipe

Chemical Composition		
Carbon	C %	0.050 - 0.100
Manganese	Mn %	0.800 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.030 max.
Silicon	Si %	1.400 - 2.000
Chromium	Cr %	20.000 - 22.000
Nickel	Ni %	10.000 - 12.000
Nitrogen	N %	0.140 - 0.200
Cerium	Ce %	0.030 - 0.080
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	600 min.
Yield Strength in Mpa	310 min.
Elongation in %	-
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**
A 240 S30815	ASTM	USA	Plate, Sheet and Strip
A 182 F 45	ASTM	USA	Steel and Pipe
A 213 S30815	ASTM	USA	Steel and Tubing
A 249 S30815	ASTM	USA	Steel and Tubing
A 276 S30815	ASTM	USA	Bars and Shapes
A 409 S30815	ASTM	USA	Steel and Pipe
A 312 S30815	ASTM	USA	Steel and 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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