GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-312 S30600

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

Group - Ferrous Stainless Steel Alloys

Sub Group - ASME SA-312 S30600 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 %	0.018 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.020 max.
Sulphur	S %	0.020 max.
Silicon	Si %	3.700 - 4.300
Chromium	Cr %	17.000 - 18.500
Nickel	Ni %	14.000 - 15.500
Molybdenum	Mo %	0.200 max.
Copper	Cu %	0.500 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	540 min.
Yield Strength in Mpa	240 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 S30600	ASTM	USA	Plate, Sheet and Strip
A 167 S30600	ASTM	USA	Plate, Sheet and Strip
A 943 S30600	ASTM	USA	Steel and Pipe
A 269 S30600	ASTM	USA	Steel and Tubing
A 312 S30600	ASTM	USA	Steel and Pipe
A 358 S30600	ASTM	USA	Steel and Pipe
A 479 S30600	ASTM	USA	Steel and Bar

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.