GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A376 Grade TP348

Standard Specification for Seamless Austenitic Steel Pipe for High-Temperature Central-Station Service

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A376 Grade TP348 Seamless Austenitic Steel Pipe for High-Temperature Central-Station Service

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

Chemical Composition		
Carbon	C %	0.080 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.030 max.
Silicon	Si %	0.750 max.
Nickel	Ni %	9.000 - 13.000
Chromium	Cr %	17.000 - 19.000
Niobium	Nb %	0.010 - 1.100
Tantalum	Ta %	0.100 max.
Cobalt	Co %	0.200 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	515 min.
Yield Strength in Mpa	205 min.
Elongation in %	35 min.
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**
S34800	UNS	USA	Steel
J 405 348	SAE	USA	Steel
A 167 Type 348	ASTM	USA	Plate, Sheet and Strip
A 182 F 348	ASTM	USA	Steel and Pipe
A 213 TP348	ASTM	USA	Tubing
A 240 Type 348	ASTM	USA	Plate, Sheet and Strip
A 249 TP348	ASTM	USA	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

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.