GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-376 Grade TP348H

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

Group - Ferrous Stainless Steel Alloys

Sub Group - ASME SA-376 Grade TP348H 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 - Steel and Pipe

Chemical Composition		
Carbon	C %	0.040 - 0.100
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.030 max.
Silicon	Si %	1.000 max.
Nickel	Ni %	9.000 - 13.000
Chromium	Cr %	17.000 - 19.000
Niobium	Nb %	0.008 - 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 %	35 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
J 405 348H	SAE	USA	Steel
SA-182 Grade F 348H	ASME	USA	Steel
SA-240 Type 348H	ASME	USA	Plate, Sheet and Strip
SA-249 Grade TP348H	ASME	USA	Steel and Tubing
A 182 F 348H	ASTM	USA	Steel and Pipe
A 249 TP348H	ASTM	USA	Steel and Tubing
A 312 TP348H	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

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.