GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A268 S40977

Standard Specification for Seamless and Welded Ferritic and Martensitic Stainless Steel Tubing for General Service

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A268 S40977 Seamless and Welded Ferritic and Martensitic Stainless Steel Tubing for General Service

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

Grade Belongs to the Industry - Steel and Tubing

Chemical Composition		
Carbon	C %	0.030 max.
Manganese	Mn %	1.500 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.015 max.
Silicon	Si %	1.000 max.
Nickel	Ni %	0.300 - 1.000
Chromium	Cr %	10.500 - 12.500
Nitrogen	N %	0.030 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Annealing or Tempering

Mechanical Properties	
Tensile Strength in Mpa	450 min.
Yield Strength in Mpa	280 min.
Elongation in %	18 min.
Reduction of Area in %	-
Hardness in BHN	180 max.
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
S40976	UNS	USA	Steel
G 3463 SUS 409 LTB	JIS	Japan	Steel and Tubing
A 276 S40976	ASTM	USA	Bars and Shapes
A 580 S40976	ASTM	USA	Steel and Wire
A 959 S40976	ASTM	USA	Steel
A 240 S40977	ASTM	USA	Plate, Sheet and Strip
A 959 S40977	ASTM	USA	Steel

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.