GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-268 TP409

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

Group - Ferrous Stainless Steel Alloys

Sub Group - ASME SA-268 TP409 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 - Tubing

Chemical Composition		
Carbon	C %	0.080 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.030 max.
Silicon	Si %	1.000 max.
Nickel	Ni %	0.500 max.
Chromium	Cr %	10.500 - 11.700
Titanium	Ti %	0.006 - 0.750
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Tempering or As-Raw

Mechanical Properties	
Tensile Strength in Mpa	380 min.
Yield Strength in Mpa	170 min.
Elongation in %	20 min.
Reduction of Area in %	-
Hardness in BHN	207 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
S40920	UNS	USA	Steel
S40930	UNS	USA	Steel
A 240 S40910	ASTM	USA	Plate, Sheet and Strip
A 240 S40920	ASTM	USA	Plate, Sheet and Strip
A 240 S40930	ASTM	USA	Plate, Sheet and Strip
A 240 S40945	ASTM	USA	Plate, Sheet and Strip
A 959 S40945	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.