GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-268 S43940

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 S43940 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 %	0.030 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.015 max.
Silicon	Si %	1.000 max.
Chromium	Cr %	17.500 - 18.500
Titanium	Ti %	0.100 - 0.600
Niobium	Nb %	0.390 min.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Tempering or As-Raw

Mechanical Properties	
Tensile Strength in Mpa	430 min.
Yield Strength in Mpa	250 min.
Elongation in %	18 min.
Reduction of Area in %	-
Hardness in BHN	180 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
S43940	UNS	USA	Steel
10088-2 1.4509	DIN	Germany	Steel
10028-7 X2CrTiNb18	DIN	Germany	Steel
10028-7 1.4509	EN	European Union	Steel
10028-7 X 2 CrTiNb 18	EN	European Union	Steel
A 959 S43940	ASME	USA	Steel
A 268 S43940	ASTM	USA	Steel and 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

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