GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-276 S40976

Standard Specification for Stainless Steel Bars and Shapes

Group - Ferrous Stainless Steel Alloys

Sub Group - ASME SA-276 S40976 Stainless Steel Bars and Shapes

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

Grade Belongs to the Industry - Bars and Shapes

Chemical Composition		
Carbon	C %	0.030 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.030 max.
Silicon	Si %	1.000 max.
Chromium	Cr %	10.500 - 11.700
Nickel	Ni %	0.750 - 1.000
Nitrogen	N %	0.040 max.
Niobium	Nb %	0.020 - 0.800
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Annealing

Mechanical Properties	
Tensile Strength in Mpa	415 min.
Yield Strength in Mpa	140 min.
Elongation in %	20 min.
Reduction of Area in %	45 min.
Hardness in BHN	244 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
A 276 S40976	ASTM	USA	Bars and Shapes
A 959 S40976	ASTM	USA	Steel
A 959 S40975	ASTM	USA	Steel
A 240 S40975	ASTM	USA	Plates,Sheets and Strip
10283 1.4011	EN	European Union	Steel and Casting
G 3463 SUS 409 LTB	JIS	Japan	Steel and Tube
G 4312 SUH 409	JIS	Japan	Steel, Plates and Sheets

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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