GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-403 WPS32053

Standard Specification for Wrought Austenitic Stainless Steel Piping Fittings

Group - Ferrous Stainless Steel Alloys

Sub Group - ASME SA-403 WPS32053 Wrought Austenitic Stainless Steel Piping Fittings

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

Grade Belongs to the Industry - Steel and Pipe

Chemical Composition		
Carbon	C %	0.030 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.030 max.
Sulphur	S %	0.010 max.
Silicon	Si %	1.000 max.
Nickel	Ni %	24.000 - 26.000
Chromium	Cr %	22.000 - 24.000
Molybdenum	Mo %	5.000 - 6.000
Nitrogen	N %	0.170 - 0.220
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	640 min.
Yield Strength in Mpa	295 min.
Elongation in %	-
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**
G 3463 SUS 836 LTB	JIS	Japan	Steel and Tubing
G 3459 SUS 836 LTP	JIS	Japan	Steel and Pipe
G 4304 SUS 836L	JIS	Japan	Plate, Sheet and Strip
D 3576 STS 836LTP	KS	Korea	Steel and Pipe
D 3698 STS 836L	KS	Korea	Plate, Sheet and Strip
SA-240 S32053	ASME	USA	Plate, Sheet and Strip
A 409 S32053	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

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