GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A403 CRS34752

Standard Specification for Wrought Austenitic Stainless Steel Piping Fittings

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A403 CRS34752 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 %	0.005 - 0.020
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.035 max.
Sulphur	S %	0.010 max.
Silicon	Si %	0.600 max.
Nickel	Ni %	10.000 - 13.000
Chromium	Cr %	17.000 - 19.000
Molybdenum	Mo %	0.200 - 1.200
Nitrogen	N %	0.060 - 0.120
Copper	Cu %	2.500 - 3.500
Niobium	Nb %	0.200 - 0.500
Boron	B %	0.001 - 0.005
Iron	Fe %	Balance
-	-	-
-	-	-

Heat Treatment
Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	515 min.
Yield Strength in Mpa	205 min.
Elongation in %	-
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
S34752	UNS	USA	Steel and Pipe
SA-403 S34752	ASME	USA	Steel and Pipe
SA-403 CRS34752	ASME	USA	Steel and Pipe
SA-403 WPS34752	ASME	USA	Steel and Pipe
A 403 WPS34752	ASTM	USA	Steel and Pipe
A 403 S34752	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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