GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A403 CR1925N

Standard Specification for Wrought Austenitic Stainless Steel Piping Fittings

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A403 CR1925N 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 %	0.020 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.030 max.
Sulphur	S %	0.010 max.
Silicon	Si %	0.500 max.
Nickel	Ni %	24.000 - 26.000
Chromium	Cr %	19.000 - 21.000
Molybdenum	Mo %	6.000 - 7.000
Nitrogen	N %	0.150 - 0.250
Copper	Cu %	0.500 - 1.500
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	650 min.
Yield Strength in Mpa	295 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**
SA-249 UNS N08926	ASME	USA	Steel and Tubing
SA-688 UNS N08926	ASME	USA	Steel and Tubing
A 959 N08926	ASTM	USA	Steel
A 358 N08926	ASTM	USA	Steel and Pipe
A 269 N08926	ASTM	USA	Steel
A 249 N08926	ASTM	USA	Steel and Tubing
A 312 N08926	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

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.