GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A403 CRNIC11

Standard Specification for Wrought Austenitic Stainless Steel Piping Fittings

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A403 CRNIC11 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 %	0.060 - 0.100
Manganese	Mn %	1.500 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.015 max.
Silicon	Si %	1.000 max.
Nickel	Ni %	30.000 - 35.000
Chromium	Cr %	19.000 - 23.000
Titanium	Ti %	0.250 - 0.600
Aluminium	Al %	0.250 - 0.600
Copper	Cu %	0.750 max.
Al + Ti	Al% + Ti%	0.850 - 1.200
Iron	Fe %	39.500 min.
-	-	-
-	-	-
-	-	-

Heat Treatment
Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	450 min.
Yield Strength in Mpa	170 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**
G 4902 NCF 800H	JIS	Japan	Plate and Sheet
G 4904 NCF 800 HTB	JIS	Japan	Steel and Tubing
G 3467NCF 800 HTF	JIS	Japan	Steel and Tubing
SA-240 N08811	ASME	USA	Plate, Sheet and Strip
A 959 Type 800H	ASTM	USA	Steel
A 240 N08811	ASTM	USA	Plate, Sheet and Strip
A 959 N08811	ASTM	USA	Steel

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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