GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-240 Type 904L

Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate,Sheet and Srtip for Pressure Vessels and for General Applications

Group - Ferrous Stainless Steel Alloys

Sub Group - ASME SA-240 Type 904L Chromium and Chromium-Nickel Stainless Steel Plate,Sheet and Srtip for Pressure Vessels and for General Applications

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

Grade Belongs to the Industry - Plate, Sheet and Strip

Chemical Composition		
Carbon	C %	0.020 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.035 max.
Silicon	Si %	1.000 max.
Chromium	Cr %	19.000 - 23.000
Nickel	Ni %	23.000 - 28.000
Molybdenum	Mo %	4.000 - 5.000
Nitrogen	N %	0.100 max.
Copper	Cu %	1.000 - 2.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw

Mechanical Properties	
Tensile Strength in Mpa	490 min.
Yield Strength in Mpa	220 min.
Elongation in %	35 min.
Reduction of Area in %	-
Hardness in BHN	183 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
N08904	UNS	USA	Steel
A 269 N08904	ASTM	USA	Steel and Tubing
A 959 Type 904L	ASTM	USA	Steel
A 249 N08904	ASTM	USA	Steel and Tubing
A 312 N08904	ASTM	USA	Steel and Pipe
SA-182 Grade F 904L	ASME	USA	Steel and Forging
SA-312 UNS N08904	ASME	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.