

Material: ASTM A 182 F 904L

Standard Specification for Forged or Rolled Alloy and Stainless Steel Pipe Flanges, Forged Fittings, and Valves and Parts for High-Temperature Service

Group: Non-Ferrous Nickel Alloys

Sub Group: ASTM A 182 F 904L Forged or Rolled Alloy and Stainless Steel Pipe Flanges, Forged Fittings, and Valves and Parts for High-Temperature Service

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

Grade Belongs to the Industry: Pipe Flanges, Forged Fittings and Valves

Chemical Composition			Heat Treatment	
Carbon	C %	0.020 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	1.000 max.		
Manganese	Mn %	2.000 max.		
Chromium	Cr %	19.000 - 23.000		
Sulphur	S %	0.035 max.		
Molybdenum	Mo %	4.000 - 5.000		
Phosphorus	P %	0.040 max.		
Copper	Cu %	1.000 - 2.000		
Nitrogen	N %	0.100 max.		
Nickel	Ni %	23.000 - 28.000		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	490 min.
-	-	-	Yield Strength in Mpa	215 min.
-	-	-	Elongation in %	35 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 649 N08904	ASTM	USA	Bar and Wire
A 213 N08904	ASTM	USA	Tube
A 249 N08904	ASTM	USA	Tube
A 269 N08904	ASTM	USA	Tube
A 312 N08904	ASTM	USA	Pipe
A 511 N08904	ASTM	USA	Bar
A 965 N08904	ASTM	USA	Forging

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com