

Material: ASTM A 182 F1925

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 F1925 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 Valve

Chemical Composition			Heat Treatment	
Carbon	C %	0.020 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.500 max.		
Manganese	Mn %	1.000 max.		
Chromium	Cr %	19.000 - 21.000		
Sulphur	S %	0.030 max.		
Molybdenum	Mo %	6.000 - 7.000		
Phosphorus	P %	0.045 max.		
Copper	Cu %	0.800 - 1.500		
Nitrogen	N %	0.100 - 0.200		
Nickel	Ni %	24.000 - 26.000		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	600 min.
-	-	-	Yield Strength in Mpa	295 min.
-	-	-	Elongation in %	30 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 649 N08925	ASTM	USA	Bar and Wire
B 625 N08925	ASTM	USA	Plate, Sheet and Strip
B 673 N08925	ASTM	USA	Pipe
B 674 N08925	ASTM	USA	Tube
B 677 N08925	ASTM	USA	Pipe and Tube
SB-625 N08925	ASME	USA	Plate, Sheet and Strip
SB-649 N08925	ASME	USA	Bar and Wire

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