

Material: ASME SB-462 N08024

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

Group: Non-Ferrous Nickel Alloys

Sub Group: ASME SB-462 N08024 Forged or Rolled Alloy Pipe Flanges, Forged Fittings and Valves and Parts for Corrosive High-Temperature Service

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

Grade Belongs to the Industry: Pipe Flange, Forged Fitting and Valve

Chemical Composition		
Carbon	C %	0.030 max.
Silicon	Si %	0.500 max.
Manganese	Mn %	1.000 max.
Copper	Cu %	0.500 - 1.500
Sulphur	S %	0.035 max.
Chromium	Cr %	22.500 - 25.000
Phosphorus	P %	0.035 max.
Molybdenum	Mo %	3.500 - 5.000
Nb + Ta	Nb% + Ta%	0.150 - 0.350
Nickel	Ni %	35.000 - 40.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
As-Cast or Annealing or Age Hardning	

Mechanical Properties	
Tensile Strength in Mpa	551 min.
Yield Strength in Mpa	241 min.
Elongation in %	30 min.
Reduction of Area in %	50 min.
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 463 N08024	ASTM	USA	Plate, Sheet and Strip
B 464 N08024	ASTM	USA	Pipe
B 472 N08024	ASTM	USA	Billets and Bars for Reforging
B 473 N08024	ASTM	USA	Bar and Wire
B 475 N08024	ASTM	USA	Wire
B 729 N08024	ASTM	USA	Pipe and Tube
SB-464 N08024	ASME	USA	Pipe and Tube

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