Material: ASTM B 462 N06030

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: *ASTM B 462 N06030 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 Flanges, Forged Fittings and Valve*

Chemical Composition			Heat Treatment	
Carbon	C %	0.030 max.	As-Cast or Annealing or Age Hardening	
Silicon	Si %	0.800 max.		
Manganese	Mn %	1.500 max.		
Chromium	Cr %	28.000 - 31.500		
Sulphur	S %	0.020 max.		
Molybdenum	Mo %	4.000 - 6.000		
Phosphorus	P %	0.040 max.		
Cobalt	Co %	5.000 max.		
Copper	Cu %	1.000 - 2.400	**Mechanical Properties**	
Tungsten	W %	1.500 - 4.000	Tensile Strength in Mpa	586 min.
Nb + Ta	Nb% + Ta%	0.300 - 1.500	Yield Strength in Mpa	241 min.
Iron	Fe %	13.000 - 17.000	Elongation in %	30 min.
Nickel	Ni %	Balance	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
B 581 N06030	ASTM	USA	Rod
B 582 N06030	ASTM	USA	Plate, Sheet and Strip
B 619 N06030	ASTM	USA	Pipe
B 622 N06030	ASTM	USA	Pipe and Tube
B 626 N06030	ASTM	USA	Tube
B 472 N06030	ASTM	USA	Billets and Bars
SB-581 N06030	ASME	USA	Rod

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