

Material: ASTM B 564 N06210

Standard Specification for Nickel Alloy Forgings

Group: Non-Ferrous Nickel Alloys

Sub Group: ASTM B 564 N06210 Nickel Alloy Forgings

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

Grade Belongs to the Industry: Forging

Chemical Composition			Heat Treatment	
Carbon	C %	0.015 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.080 max.		
Manganese	Mn %	0.500 max.		
Chromium	Cr %	18.000 - 20.000		
Sulphur	S %	0.020 max.		
Molybdenum	Mo %	18.000 - 20.000		
Phosphorus	P %	0.020 max.		
Cobalt	Co %	1.000 max.		
Vanadium	V %	0.350 max.		
Tantalum	Ta %	1.500 - 2.200		
Iron	Fe %	1.000 max.		
Nickel	Ni %	Balance		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	690 min.
			Yield Strength in Mpa	310 min.
			Elongation in %	45 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 574 N06210	ASTM	USA	Rod
B 575 N06210	ASTM	USA	Plate, Sheet and Strip
B 619 N06210	ASTM	USA	Pipe
B 622 N06210	ASTM	USA	Pipe and Tube
B 626 N06210	ASTM	USA	Tube
-	-	-	-
-	-	-	-

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