

Material: ASTM B 564 N06022

Standard Specification for Nickel Alloy Forgings

Group: Non-Ferrous Nickel Alloys

Sub Group: ASTM B 564 N06022 Nickel Alloy Forgings

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

Grade Belongs to the Industry: Forging

Chemical Composition		
Carbon	C %	0.015 max.
Silicon	Si %	0.080 max.
Manganese	Mn %	0.500 max.
Chromium	Cr %	20.000 - 22.500
Sulphur	S %	0.020 max.
Molybdenum	Mo %	12.500 - 14.500
Phosphorus	P %	0.020 max.
Cobalt	Co %	2.500 max.
Iron	Fe %	2.000 - 6.000
Tungsten	W %	2.500 - 3.500
Vanadium	V %	0.350 max.
Nickel	Ni %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing or Age Hardning

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 N06022	ASTM	USA	Rod
B 575 N06022	ASTM	USA	Plate, Sheet and Strip
B 462 N06022	ASTM	USA	Pipe Flanges, Forged Fittings, and Valve
B 619 N06022	ASTM	USA	Pipe
B 622 N06022	ASTM	USA	Pipe and Tube
B 626 N06022	ASTM	USA	Tube
N06022	UNS	USA	Wire

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