



Material - ASTM B 472 N08024

Standard Specification for Nickel Alloy Billets and Bars for Reforging

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 472 N08024 Nickel Alloy Billets and Bars for Reforging

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

Grade Belongs to the Industry - Billets and Bars for Reforging

Chemical Composition			Heat Treatment	
Carbon	C %	0.030 max.	As-Cast or Annealing or Age Hardning	
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	Mechanical Properties	
Iron	Fe %	Balance	Tensile Strength in Mpa	551 min.
-	-	-	Yield Strength in Mpa	241 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 463 N08024	ASTM	USA	Plate, Sheet and Strip
SB-462 N08024	ASME	USA	Pipe Flange, Forged Fitting and Valve
B 464 N08024	ASTM	USA	Pipe
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

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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