

Material - ASTM B 473 N08020

Standard Specification for Nickel Alloy Bar and Wire

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 473 N08020 Nickel Alloy Bar and Wire

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

Grade Belongs to the Industry - Bar and Wire

Chemical Composition			Heat Treatment	
Carbon	C %	0.070 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	1.000 max.		
Manganese	Mn %	2.000 max.		
Copper	Cu %	3.000 - 4.000		
Sulphur	S %	0.035 max.		
Chromium	Cr %	19.000 - 21.000		
Phosphorus	P %	0.045 max.		
Molybdenum	Mo %	2.000 - 3.000		
Nb + Ta	Nb% + Ta%	1.000 max.	Mechanical Properties	
Nickel	Ni %	32.000 - 38.000	Tensile Strength in Mpa	551 min.
Iron	Fe %	Balance	Yield Strength in Mpa	241 min.
-	-	-	Elongation in %	15 min.
-	-	-	Reduction of Area in %	40 min.
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 462 N08020	ASTM	USA	Pipe Flange, Forged Fitting and Valve
B 463 N08020	ASTM	USA	Plate, Sheet and Strip
B 464 N08020	ASTM	USA	Pipe
B 468 N08020	ASTM	USA	Tube
B 472 N08020	ASTM	USA	Billets and Bars for Reforging
B 475 N08020	ASTM	USA	Wire
B 729 N08020	ASTM	USA	Pipe and Tube

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

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