

Material - ASTM B 409 N08120

Standard Specification for Nickel-Iron-Chromium Alloy Plate, Sheet and Strip

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 409 N08120 Nickel-Iron-Chromium Alloy Plate, Sheet and Strip Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries Grade Belongs to the Industry - Plate, Sheet and Strip

Chemical Composition			Chemical Composition			
Carbon	C %	0.020 - 0.100	Nickel	Ni %	30,000 -	
Silicon	Si %	1.000 max.	Iron	Fe %	Balance	
Manganese	Mn %	1.500 max.	-	-	-	
Chromium	Cr %	23.000 - 27.000	-	-	-	
Sulphur	S %	0.030 max.	-	-	-	
Boron	В%	0.010 max.	Heat Tre	eatment		
Copper	Cu %	0.500 max.	As-Cast or Annealing or Age Hardning			
Aluminium	Al %	0.400 max.				
Titanium	Ti %	0.200 max.	Mechanical Properties			
Niobium	Nb %	0.400 - 0.900	Tensile Strength in Mpa	62	1 min.	
Molybdenum	Mo %	2.500 max.	Yield Strength in Mpa	276 min.		
Phosphorus	P %	0.040 max.	Elongation in %	30 min.		
Tungsten	W %	2.500 max.	Reduction of Area in %	-		
Cobalt	Co %	3.000 max.	Hardness in BHN	-		
Nitrogen	N %	0.150 - 0.300	Impact i <mark>n Joule</mark>		-	

Cross Reference Table					
Material	Standard	Country	Grade Belong to the Industry		
B 163 N08120	ASTM	USA	Tube		
B 407 N08120	ASTM	USA	Pipe and Tube		
B 408 N08120	ASTM	USA	Rod and Bar		
B 564 N08120	ASTM	USA	Forging		
SB-163 N08120	ASME	USA	Tube		
N08120	UNS	USA	Forging		
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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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