

Material: ASTM B 814 N06920

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

Group: Non-Ferrous Nickel Alloys

Sub Group: ASTM B 814 N06920 Nickel-Chromium-Iron-Molybdenum-Tungsten 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			Heat Treatment	
Carbon	C %	0.030 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Chromium	Cr %	20.500 - 23.000		
Sulphur	S %	0.030 max.		
Molybdenum	Mo %	8.000 - 10.000		
Phosphorus	P %	0.040 max.		
Cobalt	Co %	5.000 max.		
Iron	Fe %	17.000 - 20.000	Mechanical Properties	
Tungsten	W %	1.000 - 3.000	Tensile Strength in Mpa	655 min.
Nickel	Ni %	Balance	Yield Strength in Mpa	240 min.
-	-	-	Elongation in %	35 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
N06920	UNS	USA	Plate, Sheet and Strip
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