



Material - UNS N06920

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

Group - Non-Ferrous Nickel Alloys

Sub Group - UNS 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		
Tungsten	W %	1.000 - 3.000		
Nickel	Ni %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	655 min.
			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
B 814 N06920	ASTM	USA	Plate, Sheet and Strip
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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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