

Material: ASME SB-581 N06030

Standard Specification for Nickel-Chromium-Iron-Molybdenum-Copper Alloy Rod

Group: Non-Ferrous Nickel Alloys

Sub Group: ASME SB-581 N06030 Nickel-Chromium-Iron-Molybdenum-Copper Alloy Rod

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

Grade Belongs to the Industry: Rod

Chemical Composition			Heat Treatment	
Carbon	C %	0.030 max.	As-Cast or Annealing or Age Hardening	
Silicon	Si %	0.800 max.		
Manganese	Mn %	1.500 max.		
Chromium	Cr %	28.000 - 31.500		
Sulphur	S %	0.020 max.		
Molybdenum	Mo %	4.000 - 6.000		
Phosphorus	P %	0.040 max.		
Nb + Ta	Nb% + Ta%	0.300 - 1.500	Mechanical Properties Tensile Strength in Mpa 586 min. Yield Strength in Mpa 241 min. Elongation in % 30 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
Tungsten	W %	1.500 - 4.000		
Copper	Cu %	1.000 - 2.400		
Cobalt	Co %	5.000 max.		
Iron	Fe %	13.000 - 17.000		
Nickel	Ni %	Balance		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 581 N06030	ASTM	USA	Rod
B 582 N06030	ASTM	USA	Plate, Sheet and Strip
B 462 N06030	ASTM	USA	Pipe Flanges, Forged Fittings and Valve
B 619 N06030	ASTM	USA	Pipe
B 622 N06030	ASTM	USA	Pipe and Tube
B 626 N06030	ASTM	USA	Tube
B 472 N06030	ASTM	USA	Billets and Bars

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