

Material: ASTM B 511 N08332

Standard Specification for Nickel-Iron-Chromium-Silicon Alloy Bars and Shapes

Group: Non-Ferrous Nickel Alloys

Sub Group: ASTM B 511 N08332 Nickel-Iron-Chromium-Silicon Alloy Bars and Shapes

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

Grade Belongs to the Industry: Bar and Shape

Chemical Composition			Heat Treatment	
Carbon	C %	0.050 - 0.100	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.750 - 1.500		
Manganese	Mn %	2.000 max.		
Chromium	Cr %	17.000 - 20.000		
Sulphur	S %	0.030 max.		
Copper	Cu %	1.000 max.		
Phosphorus	P %	0.030 max.		
Nickel	Ni %	34.000 - 37.000		
Lead	Pb %	0.005 max.		
Tin	Sn %	0.025 max.		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa 465 min. Yield Strength in Mpa 190 min. Elongation in % 30 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 535 N08332	ASTM	USA	Pipe and Tube
B 536 N08332	ASTM	USA	Plate, Sheet and Strip
B 739 N08332	ASTM	USA	Tube
B 546 N08332	ASTM	USA	Pipe
SB-511 N08332	ASME	USA	Bar and Shape
SB-535 N08332	ASME	USA	Pipe and Tube
SB-536 N08332	ASME	USA	Plate, Sheet and Strip

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