



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	<th colspan="2">Mechanical Properties</th>		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

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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