



Material - ASME SB-575 N06044

Standard Specification for Low-Carbon Nickel-Chromium-Molybdenum Alloy Plate, Sheet and Strip

Group - Non-Ferrous Nickel Alloys

Sub Group - ASME SB-575 N06044 Low-Carbon Nickel-Chromium-Molybdenum 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 %	0.020 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.200 max.		
Manganese	Mn %	0.070 - 0.300		
Copper	Cu %	0.300 max.		
Chromium	Cr %	43.500 - 45.3000		
Sulphur	S %	0.020 max.		
Molybdenum	Mo %	0.800 - 1.200		
Phosphorus	P %	0.020 max.		
Titanium	Ti %	0.100 - 0.300		
Iron	Fe %	0.300 max.		
Aluminium	Al %	0.300 max.	Mechanical Properties Tensile Strength in Mpa 690 min. Yield Strength in Mpa 310 min. Elongation in % 30 min. Reduction of Area in % - Hardness in HRC 100 max. Impact in Joule -	
Nickel	Ni %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
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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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