

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.		
			Mechanical Properties	
Aluminium	Al %	0.300 max.	Tensile Strength in Mpa	690 min.
Nickel	Ni %	Balance	Yield Strength in Mpa	310 min.
-	-	-	Elongation in %	30 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HRC	100 max.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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