

Material - ASTM B 446 N06650

Standard Specification for Nickel-Chromium-Molybdenum-Columbium Alloy, Rod and Bar

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 446 N06650 Nickel-Chromium-Molybdenum-Columbium Alloy, Rod and Bar

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

Grade Belongs to the Industry - Rod and Bar

Chemical Composition			Heat Treatment	
Carbon	C %	0.030 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.500 max.		
Manganese	Mn %	0.500 max.		
Chromium	Cr %	19.000 - 21.000		
Sulphur	S %	0.010 max.		
Copper	Cu %	0.300 max.		
Iron	Fe %	12.000 - 16.000		
Molybdenum	Mo %	9.500 - 12.500	Mechanical Properties Tensile Strength in Mpa 800 min. Yield Strength in Mpa 400 min. Elongation in % 45 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
Cobalt	Co %	1.000 max.		
Aluminium	Al %	0.050 - 0.500		
Nb + Ta	Nb% + Ta%	0.050 - 0.500		
Phosphorus	P %	0.020 max.		
Tungsten	W %	0.500 - 2.500		
Nitrogen	N %	0.050 - 0.200		
Nickel	Ni %	Balance		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SB-446 N06650	ASME	USA	Rod and Bar
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-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
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For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

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