

Material - ASTM B 446 N06219

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

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 446 N06219 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 %	0.050 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.700 - 1.100		
Manganese	Mn %	0.500 max.		
Chromium	Cr %	18.000 - 22.000		
Sulphur	S %	0.010 max.		
Copper	Cu %	0.500 max.		
Iron	Fe %	2.000 - 4.000		
Molybdenum	Mo %	7.000 - 9.000	Mechanical Properties Tensile Strength in Mpa 660 min. Yield Strength in Mpa 270 min. Elongation in % 50 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
Cobalt	Co %	1.000 max.		
Aluminium	Al %	0.500 max.		
Titanium	Ti %	0.500 max.		
Phosphorus	P %	0.020 max.		
Nickel	Ni %	Balance		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 443 N06219	ASTM	USA	Plate, Sheet and Strip
B 444 N06219	ASTM	USA	Pipe and Tube
B 564 N06219	ASTM	USA	Forging
B 704 N06219	ASTM	USA	Tube
B 705 N06219	ASTM	USA	Pipe
SB-443 N06219	ASME	USA	Plate, Sheet and Strip
SB-444 N06219	ASME	USA	Pipe and Tube

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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