

Material - ASTM B 443 N06219

Standard Specification for Nickel-Chromium-Molybdenum-Columbium Alloy and Nickel-Chromium-Molybdenum-Silicon Alloy Plate, Sheet, and Strip

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 443 N06219 Nickel-Chromium-Molybdenum-Columbium Alloy and Nickel-Chromium-Molybdenum-Silicon 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 %	0.050 max.		
Silicon	Si %	0.700 - 1.100		
Manganese	Mn %	0.500 max.		
Chromium	Cr %	18.000 - 22.000	As-Cast or Annealing or Age Hardning	
Sulphur	S %	0.010 max.		
Copper	Cu %	0.500 max.		
Iron	Fe %	2.000 - 4.000		
Molybdenum	Mo %	7.000 - 9.000		
Cobalt	Co %	1.000 max.	Mechanical Properties	
Aluminium	Al %	0.500 max.	Tensile Strength in Mpa	660 min.
Titanium	Ti %	0.500 max.	Yield Strength in Mpa	270 min.
Phosphorus	P %	0.020 max.	Elongation in %	50 min.
Nickel	Ni %	Balance	Reduction of Area in %	-
-	-	-	Hardne <mark>ss in BHN</mark>	-
-	-	-	Impac <mark>t in Joule</mark>	-
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Cross Reference Table				
Material	Standard	Country Grade Belong to the Industry		
B 446 N06219	ASTM	USA	Rod and Bar	
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	

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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