

Material - ASTM B 446 N06625

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

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 446 N06625 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 %	0.100 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.500 max.		
Manganese	Mn %	0.500 max.		
Chromium	Cr %	20.000 - 23.000		
Sulphur	S %	0.015 max.		
Phosphorus	P %	0.0150 max.		
Nb + Ta	Nb% + Ta%	3.150 - 4.150		
Cobalt	Co %	1.000 max.	Mechanical Properties Tensile Strength in Mpa 690 min. Yield Strength in Mpa 276 min. Elongation in % 25 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
Molybdenum	Mo %	8.000 - 10.000		
Iron	Fe %	5.000 max.		
Aluminium	Al %	0.400 max.		
Titanium	Ti %	0.400 max.		
Nickel	Ni %	58.000 min.		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 443 N06625 Grade 1	ASTM	USA	Plate, Sheet and Strip
B 443 N06625 Grade 2	ASTM	USA	Plate, Sheet and Strip
B 444 N06625 Grade 1	ASTM	USA	Pipe and Tube
B 444 N06625 Grade 2	ASTM	USA	Pipe and Tube
B 704 N06625	ASTM	USA	Tube
B 705 N06625 Grade 1	ASTM	USA	Pipe
B 705 N06625 Grade 2	ASTM	USA	Pipe

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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