



Material - ASTM B 573 N10242

Standard Specification for Nickel-Molybdenum-Chromium-Iron Alloys Rod

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 573 N10242 Nickel-Molybdenum-Chromium-Iron Alloys Rod

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

Grade Belongs to the Industry - Rod

Chemical Composition			Heat Treatment	
Carbon	C %	0.030 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.800 max.		
Manganese	Mn %	0.800 max.		
Chromium	Cr %	7.000 - 9.000		
Sulphur	S %	0.015 max.		
Molybdenum	Mo %	24.000 - 26.000		
Phosphorus	P %	0.030 max.		
Aluminium	Al %	0.500 max.		
Copper	Cu %	0.500 max.		
Iron	Fe %	2.000 max.		
Boron	B %	0.006 max.	Mechanical Properties Tensile Strength in Mpa 725 min. Yield Strength in Mpa 310 min. Elongation in % 40 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
Cobalt	Co %	1.000 max.		
Nickel	Ni %	Balance		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 434 N10242	ASTM	USA	Plate, Sheet and Strip
B 564 N10242	ASTM	USA	Forging
B 619 N10242	ASTM	USA	Pipe
B 622 N10242	ASTM	USA	Pipe and Tube
B 626 N10242	ASTM	USA	Tube
SB-573 N10242	ASME	USA	Rod
SB-619 N10242	ASME	USA	Pipe

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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