



## Material - ASME SB-573 N10242

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

Group - Non-Ferrous Nickel Alloys

Sub Group - ASME SB-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.		
Copper	Cu %	0.500 max.		
Sulphur	S %	0.015 max.		
Chromium	Cr %	7.000 - 9.000		
Phosphorus	P %	0.030 max.		
Molybdenum	Mo %	24.000 - 26.000		
Cobalt	Co %	1.000 max.	Mechanical Properties	
Aluminium	Al %	0.500 max.	Tensile Strength in Mpa	725 min.
Boron	B %	0.006 max.	Yield Strength in Mpa	310 min.
Iron	Fe %	2.000 max.	Elongation in %	40 min.
Nickel	Ni %	Balance	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

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 573 N10242	ASTM	USA	Rod
B 619 N10242	ASTM	USA	Pipe
B 622 N10242	ASTM	USA	Pipe and Tube
B 626 N10242	ASTM	USA	Tube
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](mailto:marketing@gravitycastindia.com)**

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