



Material - ASTM B 434 N10242

Standard Specification for Nickel-Molybdenum-Chromium-Iron Alloys Plate, Sheet and Strip

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 434 N10242 Nickel-Molybdenum-Chromium-Iron Alloys 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 %	0.030 max.	As-Cast or Annealing or Age Hardning			
Silicon	Si %	0.800 max.				
Manganese	Mn %	0.800 max.				
Aluminium	Al %	0.500 max.				
Sulphur	S %	0.015 max.				
Copper	Cu %	0.500 max.				
Chromium	Cr %	7.000 - 9.000				
Molybdenum	Mo %	24.000 - 26.000				
Iron	Fe %	2.000 max.				
Cobalt	Co %	1.000 max.				
Phosphorus	P %	0.030 max.	<th colspan="2">Mechanical Properties</th>		Mechanical Properties	
Boron	B %	0.006 max.	Tensile Strength in Mpa	725 min.		
Nickel	Ni %	Balance	Yield Strength in Mpa	310 min.		
-	-	-	Elongation in %	40 min.		
-	-	-	Reduction of Area in %	-		
-	-	-	Hardness in BHN	-		
-	-	-	Impact in Joule	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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-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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