



Material - ASTM B 691 N08367

Standard Specification for Iron-Nickel-Chromium-Molybdenum Alloys Rod, Bar and Wire

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 691 N08367 Iron-Nickel-Chromium-Molybdenum Alloys Rod, Bar and Wire

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

Grade Belongs to the Industry - Rod, Bar and Wire

Chemical Composition			Heat Treatment	
Carbon	C %	0.030 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	1.000 max.		
Manganese	Mn %	2.000 max.		
Chromium	Cr %	20.000 - 22.000		
Sulphur	S %	0.030 max.		
Molybdenum	Mo %	6.000 - 7.000		
Phosphorus	P %	0.040 max.		
Copper	Cu %	0.750 max.		
Nitrogen	N %	0.180 - 0.250	Mechanical Properties	
Nickel	Ni %	23.500 - 25.500	Tensile Strength in Mpa	655 min.
Iron	Fe %	Balance	Yield Strength in Mpa	310 min.
-	-	-	Elongation in %	30 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 564 N08367	ASTM	USA	Forging
B 688 N08367	ASTM	USA	Plate, Sheet and Strip
B 462 N08367	ASTM	USA	Pipe Flanges, Forged Fittings, and Valve
A 314 N08367	ASTM	USA	Bar and Forging
B 472 N08367	ASTM	USA	Billet and Bar
B 690 N08367	ASTM	USA	Pipe and Tube
B 834 N08367	ASTM	USA	Pipe Flanges, Forged Fittings, and Valve

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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