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		
Carbon	C %	0.030 max.
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
Nickel	Ni %	23.500 - 25.500
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing or Age Hardning

Mechanical Properties	
Tensile Strength in Mpa	655 min.
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

Customer Care: +91-99090 45075 Email: info@icastllp.com