



## Material - ASTM B 688 N08367

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

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 688 N08367 Chromium-Nickel-Molybdenum-Iron 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 %	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.																
Nickel	Ni %	23.500 - 25.500																
Nitrogen	N %	0.180 - 0.250																
Copper	Cu %	0.750 max.																
Iron	Fe %	Balance	<table border="1"> <thead> <tr> <th colspan="2">Mechanical Properties</th> </tr> </thead> <tbody> <tr> <td>Tensile Strength in Mpa</td> <td>655 min.</td> </tr> <tr> <td>Yield Strength in Mpa</td> <td>310 min.</td> </tr> <tr> <td>Elongation in %</td> <td>30 min.</td> </tr> <tr> <td>Reduction of Area in %</td> <td>-</td> </tr> <tr> <td>Hardness in HRC</td> <td>100 max.</td> </tr> <tr> <td>Impact in Joule</td> <td>-</td> </tr> </tbody> </table>		Mechanical Properties		Tensile Strength in Mpa	655 min.	Yield Strength in Mpa	310 min.	Elongation in %	30 min.	Reduction of Area in %	-	Hardness in HRC	100 max.	Impact in Joule	-
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 564 N08367	ASTM	USA	Forging
B 691 N08367	ASTM	USA	Rod, Bar and Wire
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](mailto:marketing@gravitycastindia.com)

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