



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - Gravity NIMONIC Alloy 901

Standard Specification for Seamless Nickel and Nickel Alloy Pipe, Tube, Sheet, Strip, Plate, Round Bar, Flat Bar, Forging Stock, Hexagon and Wire

Group - Non-Ferrous Nickel Alloys

Sub Group - Gravity NIMONIC Alloy 901 Seamless Nickel and Nickel Alloy Pipe, Tube, Sheet, Strip, Plate, Round Bar, Flat Bar, Forging Stock, Hexagon and Wire

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

Grade Belongs to the Industry - Pipe, Tube, Sheet, Strip, Plate, Hexagon and Wire

Chemical Composition			Heat Treatment	
Carbon	C %	0.100 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.400 max.		
Manganese	Mn %	0.500 max.		
Chromium	Cr %	12.500 max.		
Sulphur	S %	0.030 max.		
Molybdenum	Mo %	5.750 max.		
Cobalt	Co %	1.000 max.		
Copper	Cu %	0.500 max.		
Aluminium	Al %	0.350 max.		
Titanium	Ti %	2.900 max.		
Nickel	Ni %	42.500 min.	Tensile Strength in Mpa	1218.9 min.
Iron	Fe %	Balance	Yield Strength in Mpa	911.8 min.
-	-	-	Elongation in %	15.2 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

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

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

ONE STOP SOLUTION FOR METAL PARTS