



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - UNS N07750

Standard Specification for Nickel Alloy, Corrosion and Heat-Resistant, Wire

Group - Non-Ferrous Nickel Alloys

Sub Group - UNS N07750 Nickel Alloy, Corrosion and Heat-Resistant, Wire

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

Grade Belongs to the Industry - Wire

Chemical Composition			Heat Treatment	
Carbon	C %	0.080 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.500 max.		
Manganese	Mn %	1.000 max.		
Chromium	Cr %	14.000 - 17.000		
Aluminium	Al %	0.400 - 1.000		
Copper	Cu %	0.500 max.		
Niobium	Nb %	0.700 - 1.200		
Sulphur	S %	0.010 max.		
Titanium	Ti %	2.250 - 2.750		
Iron	Fe %	5.000 - 9.000		
Nickel	Ni %	Balance	Mechanical Properties Tensile Strength in Mpa 759 - 1897 Yield Strength in Mpa 345 - 1656 Elongation in % 2 - 45 Reduction of Area in % 8 - 60 Hardness in HRC 30 - 93 Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Inconel X750	SAE	USA	Wire
SIMALLOY	SAE	USA	Wire
UNITEMP 750	SAE	USA	Wire
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-	-	-	-
-	-	-	-
-	-	-	-

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