



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - SAE Inconel X750

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

Group - Non-Ferrous Nickel Alloys

Sub Group - SAE Inconel X750 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.		
Cobalt	Co %	1.000 max.		
Niobium	Nb %	0.700 - 1.200		
Tantalum	Ta %	0.050 max.		
Sulphur	S %	0.010 max.		
Titanium	Ti %	2.250 - 2.750	Mechanical Properties	
Iron	Fe %	5.000 - 9.000	Tensile Strength in Mpa	759 - 1897
Nickel	Ni %	Balance	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
N07750	UNS	USA	Wire
SIMALLOY	SAE	USA	Wire
UNITEMP 750	SAE	USA	Wire
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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.

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