



## Material - IS 9088 Alloy 2

### Standard Specification for Universal Head Nickel Alloy Rivets for Aircraft

Group - Non-Ferrous Nickel Alloys

Sub Group - IS 9088 Alloy 2 Universal Head Nickel Alloy Rivets for Aircraft

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 - 0.150	As-Cast or Annealing or Age Hardning	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Chromium	Cr %	18.000 - 21.000		
Copper	Cu %	0.500 max.		
Cobalt	Co %	0.500 max.		
Iron	Fe %	5.000 max.		
Titanium	Ti %	0.200 - 0.600		
Nickel	Ni %	Balance		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	650 min.
			Yield Strength in Mpa	450 min.
			Elongation in %	-
			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](mailto:marketing@gravitycastindia.com)**

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