

Material: IS 9088 Alloy 1

Standard Specification for Universal Head Nickel Alloy Rivets for Aircraft

Group: Non-Ferrous Nickel Alloys

Sub Group: IS 9088 Alloy 1 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		
Carbon	C %	0.160 max.
Silicon	Si %	0.500 max.
Manganese	Mn %	0.300 - 2.000
Aluminium	Al %	0.500 max.
Sulphur	S %	0.024 max.
Iron	Fe %	2.500 max.
Copper	Cu %	28.000 - 34.000
Nickel	Ni %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing or Age Hardning

Mechanical Properties	
Tensile Strength in Mpa	490 min.
Yield Strength in Mpa	350 min.
Elongation in %	-
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
-	-	-	-
-	-	-	-
-	-	-	-
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Customer Care: +91-99090 45075 Email: info@icastllp.com



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India