



Material - IS 9093 Alloy 1

Standard Specification for Countersunk Nickel Alloy Rivets for Aircraft

Group - Non-Ferrous Nickel Alloys

Sub Group - IS 9093 Alloy 1 Countersunk 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 %	0.160 max.		
Silicon	Si %	0.500 max.		
Manganese	Mn %	0.800 - 2.000	As-Cast or Annealing or Age Hardning	
Aluminium	Al %	0.500 max.		or Age Hardning
Sulphur	S %	0.024 max.		
Iron	Fe %	2.500 max.		
Copper	Cu %	20.000 - 34.000		
Nickel	Ni %	Balance		•
-	-	-	Mechanical Properties	
-	-		Tensile Strength in Mpa	490 min.
-	-	-	Yield Strength in Mpa	350 min.
-	-	-	Elongation in %	-
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impac <mark>t in Joule</mark>	-

Cross Reference Table				
Material	Standard	Country	Grade Belong to the Industry	
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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

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