

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.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.500 max.		
Manganese	Mn %	0.800 - 2.000		
Aluminium	Al %	0.500 max.		
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	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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