

Material: SAE Nimonic 263

Standard Specification for Seamless Nickel and Nickel Alloy, Bars, forgings and Rings

Group: Non-Ferrous Nickel Alloys

Sub Group: SAE Nimonic 263 Seamless Nickel and Nickel Alloy, Bars, forgings and Rings

Application: Intended for Valve, Pump, General Engineering, Automotive and other Industries

Grade Belongs to the Industry: Bar, Forging and Ring

Chemical Composition		
Carbon	C %	0.040 - 0.080
Silicon	Si %	0.400 max.
Manganese	Mn %	0.600 max.
Chromium	Cr %	19.000 - 21.000
Sulphur	S %	0.007 max.
Molybdenum	Mo %	5.600 - 6.100
Cobalt	Co %	19.000 - 21.000
Copper	Cu %	0.200 max.
Aluminium	Al %	0.600 max.
Boron	B %	0.005 max.
Titanium	Ti %	1.900 - 2.400
Lead	Pb %	0.0020 max.
Silver	Ag %	0.0005 max.
Iron	Fe %	0.700 max.
Bismuth	Bi %	0.0001 max.

Chemical Composition		
Al + Ti	Al% + Ti%	2.400 - 2.800
Nickel	Ni %	Balance
-	-	-
-	-	-
-	-	-
Heat Treatment		
As-Cast or Annealing or Age Hardening		
Mechanical Properties		
Tensile Strength in Mpa	-	
Yield Strength in Mpa	-	
Elongation in %	-	
Reduction of Area in %	-	
Hardness in BHN	248 max.	
Impact in Joule	-	

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Nimonic Alloy 263	Gravity	India	Pipe, Tube, Sheet, Strip, Plate, Hexagon and Wire
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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