



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

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			Chemical Composition		
Carbon	C %	0.040 - 0.080	Al + Ti	Al% + Ti%	2.400 - 2.800
Silicon	Si %	0.400 max.	Nickel	Ni %	Balance
Manganese	Mn %	0.600 max.	-	-	-
Chromium	Cr %	19.000 - 21.000	-	-	-
Sulphur	S %	0.007 max.	-	-	-
Molybdenum	Mo %	5.600 - 6.100	Heat Treatment		
Cobalt	Co %	19.000 - 21.000	As-Cast or Annealing or Age Hardning		
Copper	Cu %	0.200 max.	Mechanical Properties		
Aluminium	Al %	0.600 max.	Tensile Strength in Mpa	-	
Boron	B %	0.005 max.	Yield Strength in Mpa	-	
Titanium	Ti %	1.900 - 2.400	Elongation in %	-	
Lead	Pb %	0.0020 max.	Reduction of Area in %	-	
Silver	Ag %	0.0005 max.	Hardness in BHN	248 max.	
Iron	Fe %	0.700 max.	Impact in Joule	-	
Bismuth	Bi %	0.0001 max.			

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

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

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