



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - Gravity Nimonic Alloy 263

Standard Specification for Seamless Nickel and Nickel Alloy Pipe, Tube, Sheet, Strip, Plate, Hexagon and Wire

Group - Non-Ferrous Nickel Alloys

Sub Group - Gravity Nimonic Alloy 263 Seamless Nickel and Nickel Alloy Pipe, Tube, Sheet, Strip, Plate, Hexagon and Wire

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

Grade Belongs to the Industry - Pipe, Tube, Sheet, Strip, Plate, Hexagon and Wire

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	788 - 1004	
Boron	B %	0.005 max.	Yield Strength in Mpa	355 - 585	
Titanium	Ti %	1.900 - 2.400	Elongation in %	39 - 59.7	
Lead	Pb %	0.0020 max.	Reduction of Area in %	41 min.	
Silver	Ag %	0.0005 max.	Hardness in HV	195 min.	
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 263	SAE	USA	Bars, Forgings and Rings
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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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