



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM B 564 N10624

Standard Specification for Nickel Alloy Forgings

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 564 N10624 Nickel Alloy Forgings

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

Grade Belongs to the Industry - Forging

Chemical Composition			Heat Treatment	
Carbon	C %	0.010 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.100 max.		
Manganese	Mn %	1.000 max.		
Chromium	Cr %	6.000 - 10.000		
Sulphur	S %	0.010 max.		
Molybdenum	Mo %	21.000 - 25.000		
Phosphorus	P %	0.025 max.		
Cobalt	Co %	1.000 max.		
Iron	Fe %	5.000 - 8.000		
Aluminium	Al %	0.500 max.		
Copper	Cu %	0.500 max.	Mechanical Properties Tensile Strength in Mpa 720 min. Yield Strength in Mpa 320 min. Elongation in % 40 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
Nickel	Ni %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 333 N10624	ASTM	USA	Plate, Sheet and Strip
B 335 N10624	ASTM	USA	Rod
B 619 N10624	ASTM	USA	Pipe
B 622 N10624	ASTM	USA	Pipe and Tube
B 626 N10624	ASTM	USA	Tube
N10624	UNS	USA	Tube
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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

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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