



## Material - ASTM B 564 N10629

### Standard Specification for Nickel Alloy Forgings

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 564 N10629 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 %	0.050 max.		
Manganese	Mn %	1.500 max.		
Chromium	Cr %	0.500 - 1.500		
Sulphur	S %	0.010 max.		
Molybdenum	Mo %	26.000 - 30.000		
Phosphorus	P %	0.040 max.		
Cobalt	Co %	2.500 max.		
Iron	Fe %	1.000 - 6.000		
Aluminium	Al %	0.100 - 0.500		
Copper	Cu %	0.500 max.	Mechanical Properties	
Nickel	Ni %	Balance	Tensile Strength in Mpa	760 min.
-	-	-	Yield Strength in Mpa	350 min.
-	-	-	Elongation in %	40 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 333 N10629	ASTM	USA	Plate, Sheet and Strip
B 335 N10629	ASTM	USA	Rod
B 472 N10629	ASTM	USA	Bar
B 619 N10629	ASTM	USA	Pipe
B 622 N10629	ASTM	USA	Pipe and Tube
B 626 N10629	ASTM	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](mailto:marketing@gravitycastindia.com)**

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