



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM B 564 N10675

Standard Specification for Nickel Alloy Forgings

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 564 Nickel Alloy Forgings

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

Grade Belongs to the Industry - Forging

Chemical Composition			Chemical Composition		
Carbon	C %	0.010 max.	Tantalum	Ta %	0.200 max.
Silicon	Si %	0.100 max.	Zirconium	Zr %	0.100 max.
Manganese	Mn %	3.000 max.	Ni + Mo	Ni% + Mo%	94.000 - 98.000
Chromium	Cr %	1.000 - 3.000	Nickel	Ni %	65.000 min.
Sulphur	S %	0.010 max.	-	-	-
Molybdenum	Mo %	27.000 - 32.000	Heat Treatment		
Phosphorus	P %	0.030 max.	As-Cast or Annealing or Age Hardning		
Cobalt	Co %	3.000 max.	Mechanical Properties		
Iron	Fe %	1.000 - 3.000	Tensile Strength in Mpa	760 min.	
Aluminium	Al %	0.500 max.	Yield Strength in Mpa	350 min.	
Copper	Cu %	0.200 max.	Elongation in %	40 min.	
Titanium	Ti %	0.200 max.	Reduction of Area in %	-	
Tungsten	W %	3.000 max.	Hardness in BHN	-	
Vanadium	V %	0.200 max.	Impact in Joule	-	
Niobium	Nb %	0.200 max.			

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 333 N10675	ASTM	USA	Plate, Sheet and Strip
B 335 N10675	ASTM	USA	Rod
B 472 N10675	ASTM	USA	Bar
B 619 N10675	ASTM	USA	Pipe
B 622 N10675	ASTM	USA	Pipe and Tube
B 626 N10675	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

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