

Material - ASTM B 564 N06025

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			Heat Treatment	
Carbon	C %	0.150 - 0.250	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.500 max.		
Manganese	Mn %	0.150 max.		
Chromium	Cr %	24.000 - 26.000		
Sulphur	S %	0.010 max.		
Copper	Cu %	0.100 max.		
Aluminium	Al %	1.800 - 2.400		
Titanium	Ti %	0.100 - 0.200		
Phosphorus	P %	0.020 max.		
Iron	Fe %	8.000 - 11.000		
			Mechanical Properties	
Zirconium	Zr %	0.010 - 0.100	Tensile Strength in Mpa	580 min.
Yttrium	Y %	0.050 - 0.120	Yield Strength in Mpa	270 min.
Nickel	Ni %	Balance	Elongation in %	15 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 163 N06025	ASTM	USA	Tube
B 166 N06025	ASTM	USA	Rod, Bar and Wire
B 167 N06025	ASTM	USA	Pipe and Tube
B 168 N06025	ASTM	USA	Plate, Sheet and Strip
B 516 N06025	ASTM	USA	Tube
B 517 N06025	ASTM	USA	Pipe
B 462 N06025	ASTM	USA	Pipe and Valve

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

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