



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM B 564 N06110

Standard Specification for Nickel Alloy Forgings

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 564 N06110 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 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Chromium	Cr %	28.000 - 33.000		
Sulphur	S %	0.015 max.		
Molybdenum	Mo %	9.000 - 12.000		
Phosphorus	P %	0.500 max.		
Titanium	Ti %	1.000 max.		
Aluminium	Al %	1.000 max.		
Iron	Fe %	1.000 max.		
Copper	Cu %	0.500 max.		
Nb + Ta	Nb% + Ta%	1.000 max.		
Tungsten	W %	1.000 - 4.000		
Nickel	Ni %	51.000 min.		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	621 min.
			Yield Strength in Mpa	276 min.
			Elongation in %	50 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 755 N06110	ASTM	USA	Plate, Sheet and Strip
B 756 N06110	ASTM	USA	Rod and Bar
B 757 N06110	ASTM	USA	Pipe
B 758 N06110	ASTM	USA	Tube
B 759 N06110	ASTM	USA	Pipe and Tube
SB-564 N06110	ASME	USA	Forging
N06110	UNS	USA	Forging

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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