



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - UNS N06110

Standard Specification for Nickel Alloy Forgings

Group - Non-Ferrous Nickel Alloys

Sub Group - UNS 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	
Chromium	Cr %	27.000 - 33.000		
Molybdenum	Mo %	8.000 - 12.000		
Niobium	Nb %	1.000 max.		
Tungsten	W %	4.000 max.		
Aluminium	Al %	1.500 max.		
Titanium	Ti %	1.500 max.		
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 564 N06110	ASTM	USA	Forging
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

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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