



Material - ASME SB-564 N06110

Standard Specification for Nickel Alloy Forgings

Group - Non-Ferrous Nickel Alloys

Sub Group - ASME SB-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	
C %	0.150 max.		
Si %	1.000 max.		
Mn %	1.000 max.		
Cr %	28.000 - 33.000	As-Cast or Annealing or Age Hardning	Age Hardning
S %	0.015 max.		
Mo %	9.000 - 12.000		
Р%	0.015 max.		
Cu %	0.500 max.		
Nb% + Ta%	1.000 max.	Mechanical Properties	
W %	1.000 - 4.000	Tensile Strength in Mpa	621 min.
Fe %	1.000 max.	Yield Strength in Mpa	276 min.
Al %	1.000 max.	Elongation in %	50 min.
Ti %	1.000 max.	Reduction of Area in %	-
Ni %	51.000 min.	Hardness in BHN	-
-	-	Impact in Joule	-
	C % Si % Mn % Cr % S % Mo % P % Cu % Nb% + Ta% W % Fe % Al % Ti % Ni %	C % 0.150 max. Si % 1.000 max. Mn % 1.000 max. Cr % 28.000 - 33.000 S % 0.015 max. Mo % 9.000 - 12.000 P % 0.015 max. Cu % 0.500 max. Nb% + Ta% 1.000 max. W % 1.000 max. Ti % 1.000 max. Ti % 1.000 max. Ni % 51.000 min.	C % 0.150 max. Si % 1.000 max. Mn % 1.000 max. Cr % 28.000 - 33.000 S % 0.015 max. Mo % 9.000 - 12.000 P % 0.015 max. Cu % 0.500 max. Nb% + Ta% 1.000 max. W % 1.000 max. Mo % 1.000 max. Mb% + Ta% 1.000 max. Max Mechanical Properties W % 1.000 max. Fe % 1.000 max. Al % 1.000 max. Ti % 1.000 max. Reduction of Area in % Ni % 51.000 min.

Cross Reference Table				
Material	Standard	Country	Gr <mark>ade Belong</mark> 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	
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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