

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

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