Material: ASTM B 757 N06110

Standard Specification for Nickel-Chromium-Molybdenum-Tungsten-Alloys Pipe

Group: *Non-Ferrous Nickel Alloys*
Sub Group: *ASTM B 757 N06110 Nickel-Chromium-Molybdenum-Tungsten-Alloys Pipe*
Application: *Intended for Valve, Pump, General Engineering, Automotive and other Industries*
Grade Belongs to the Industry: *Pipe*

Chemical Composition		
Carbon	C %	0.150 max.
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 %	0.015 max.
Copper	Cu %	0.500 max.
Niobium	Nb %	1.000 max.
Tungsten	W %	1.000 - 4.000
Iron	Fe %	1.000 max.
Aluminium	Al %	1.000 max.
Titanium	Ti %	1.000 max.
Nickel	Ni %	51.000 min.
-	-	-

Heat Treatment
As-Cast or Annealing or Age Hardning

Mechanical Properties	
Tensile Strength in Mpa	655 min.
Yield Strength in Mpa	310 min.
Elongation in %	60 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 758 N06110	ASTM	USA	Tube
B 759 N06110	ASTM	USA	Pipe and Tube
SB-564 N06110	ASME	USA	Forging
N06110	UNS	USA	Forging

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