

Material: ASTM B 619 N06230

Standard Specification for Nickel and Nickel-Cobalt Alloy Pipe

Group: Non-Ferrous Nickel Alloys

Sub Group: ASTM B 619 N06230 Nickel and Nickel-Cobalt Alloy Pipe

Application: Intended for Valve, Pump, General Engineering, Automotive and other Industries

Grade Belongs to the Industry: Pipe

Chemical Composition			Heat Treatment	
Carbon	C %	0.050 - 0.150	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.250 - 0.750		
Manganese	Mn %	0.300 - 1.000		
Chromium	Cr %	20.000 - 24.000		
Sulphur	S %	0.015 max.		
Molybdenum	Mo %	1.000 - 3.000		
Phosphorus	P %	0.030 max.		
Boron	B %	0.015 max.		
Lanthanum	La %	0.005 - 0.050		
Iron	Fe %	3.000 max.	Mechanical Properties	
Aluminium	Al %	0.500 max.	Tensile Strength in Mpa	760 min.
Tungsten	W %	13.000 - 15.000	Yield Strength in Mpa	310 min.
Cobalt	Co %	5.000 max.	Elongation in %	40 min.
Nickel	Ni %	Balance	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 622 N06230	ASTM	USA	Pipe and Tube
B 626 N06230	ASTM	USA	Tube
B 435 N06230	ASTM	USA	Sheet, Strip and Plate
B 472 N06230	ASTM	USA	Billets and Bars for Reforging
SB-435 N06230	ASME	USA	Plate, Sheet and Strip
SB-564 N06230	ASME	USA	Forging
SB-572 N06230	ASME	USA	Sheet, Strip and Plate

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