



## Material - ASTM B 619 N06058

### Standard Specification for Welded Nickel and Nickel-Cobalt Alloy Pipe

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 619 N06058 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 %	0.010 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.100 max.		
Manganese	Mn %	0.500 max.		
Chromium	Cr %	20.000 - 23.000		
Sulphur	S %	0.010 max.		
Molybdenum	Mo %	18.500 - 21.000		
Phosphorus	P %	0.015 max.		
Cobalt	Co %	0.300 max.		
Copper	Cu %	0.500 max.		
Aluminium	Al %	0.400 max.		
Iron	Fe %	1.500 max.	Mechanical Properties	
Tungsten	W %	0.300 max.	Tensile Strength in Mpa	760 min.
Nitrogen	N %	0.020 - 0.150	Yield Strength in Mpa	360 min.
Nickel	Ni %	Balance	Elongation in %	40 min.
-	-	-	Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 564 N06058	ASTM	USA	Forging
B 574 N06058	ASTM	USA	Rod
B 575 N06058	ASTM	USA	Plate, Sheet and Strip
B 622 N06058	ASTM	USA	Pipe and Tube
B 626 N06058	ASTM	USA	Tube
SB-564 N06058	ASME	USA	Forging
SB-574 N06058	ASME	USA	Rod

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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