

Material - ASTM B 626 N12160

Standard Specification for Nickel and Nickel-Cobalt Alloy Tube

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 626 N12160 Nickel and Nickel-Cobalt Alloy Tube

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

Grade Belongs to the Industry - Tube

Chemical Composition			Heat Treatment	
Carbon	C %	0.150 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	2.400 - 3.000		
Manganese	Mn %	1.500 max.		
Chromium	Cr %	26.000 - 30.000		
Sulphur	S %	0.015 max.		
Molybdenum	Mo %	1.000 max.		
Phosphorus	P %	0.030 max.		
Titanium	Ti %	0.020 - 0.800		
Iron	Fe %	3.500 max.		
Tungsten	W %	1.000 max.	Mechanical Properties	
Cobalt	Co %	27.000 - 33.000	Tensile Strength in Mpa	620 min.
Niobium	Nb %	1.000 max.	Yield Strength in Mpa	240 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 N1216	ASTM	USA	Forging
B 619 N12160	ASTM	USA	Pipe
B 622 N12160	ASTM	USA	Pipe and Tube
B 435 N12160	ASTM	USA	Plate, Sheet and Strip
B 472 N12160	ASTM	USA	Billet and Bar
B 572 N12160	ASTM	USA	Rod
SB-564 N12160	ASME	USA	Forging

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.