

Material - ASTM A 511 N08904

Standard Specification for Seamless Stainless Steel Mechanical Tubing and Hollow Bar

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM A 511 N08904 Seamless Stainless Steel Mechanical Tubing and Hollow Bar

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

Grade Belongs to the Industry - Bar

Chemical Composition			Heat Treatment	
Carbon	C %	0.020 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	1.000 max.		
Manganese	Mn %	2.000 max.		
Chromium	Cr %	19.000 - 23.000		
Sulphur	S %	0.030 max.		
Molybdenum	Mo %	4.000 - 5.000		
Phosphorus	P %	0.040 max.		
Copper	Cu %	1.000 - 2.000	Mechanical Properties Tensile Strength in Mpa 490 min. Yield Strength in Mpa 215 min. Elongation in % 35 min. Reduction of Area in % - Hardness in HRC - Impact in Joule -	
Nitrogen	N %	0.100 max.		
Nickel	Ni %	23.000 - 28.000		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 649 N08904	ASTM	USA	Bar and Wire
A 182 F 904L	ASTM	USA	Pipe Flanges, Forged Fittings and Valves
A 213 N08904	ASTM	USA	Tube
A 249 N08904	ASTM	USA	Tube
A 269 N08904	ASTM	USA	Tube
A 312 N08904	ASTM	USA	Pipe
A 965 N08904	ASTM	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.