



Material - ASTM B 729 N08024

Standard Specification for Seamless Nickel-Iron-Chromium-Molybdenum-Copper Alloy Pipe and Tube

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 729 N08024 Seamless Nickel-Iron-Chromium-Molybdenum-Copper Alloy Pipe and Tube

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

Grade Belongs to the Industry - Pipe and Tube

Chemical Composition			Heat Treatment			
Carbon	C %	0.030 max.	As-Cast or Annealing or Age Hardning			
Silicon	Si %	0.500 max.				
Manganese	Mn %	1.000 max.				
Copper	Cu %	0.500 - 1.500				
Sulphur	S %	0.035 max.				
Chromium	Cr %	22.500 - 25.000				
Phosphorus	P %	0.035 max.				
Molybdenum	Mo %	3.500 - 5.000				
Nb + Ta	Nb% + Ta%	0.150 - 0.350				
Nickel	Ni %	35.000 - 40.000				
Iron	Fe %	Balance	<th colspan="2">Mechanical Properties</th>		Mechanical Properties	
-	-	-	Tensile Strength in Mpa	550 min.		
-	-	-	Yield Strength in Mpa	240 min.		
-	-	-	Elongation in %	30 min.		
-	-	-	Reduction of Area in %	-		
-	-	-	Hardness in BHN	-		
-	-	-	Impact in Joule	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 463 N08024	ASTM	USA	Plate, Sheet and Strip
SB-462 N08024	ASME	USA	Pipe Flange, Forged Fitting and Valve
B 464 N08024	ASTM	USA	Pipe
B 472 N08024	ASTM	USA	Billets and Bars for Reforging
B 473 N08024	ASTM	USA	Bar and Wire
B 475 N08024	ASTM	USA	Wire
SB-464 N08024	ASME	USA	Pipe and Tube

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.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.