

Material: ASTM B 423 N08825

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

Group: Non-Ferrous Nickel Alloys

Sub Group: B 423 N08825 Nickel-Iron-Chromium-Molybdenum-Copper Alloy Seamless 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 %	0.050 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.500 max.		
Manganese	Mn %	1.000 max.		
Aluminium	Al %	0.200 max.		
Sulphur	S %	0.030 max.		
Copper	Cu %	1.500 - 3.000		
Chromium	Cr %	19.500 - 23.500		
Molybdenum	Mo %	2.500 - 3.500		
Titanium	Ti %	0.600 - 1.200		
Iron	Fe %	22.000 max.		
Nickel	Ni %	38.000 - 46.000		
-	-	-	Mechanical Properties Tensile Strength in Mpa 517 - 793 Yield Strength in Mpa 172 min. Elongation in % 5 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 163 N08825	ASTM	USA	Tube
B 564 N08825	ASTM	USA	Forging
B 704 N08825	ASTM	USA	Tube
B 705 N08825	ASTM	USA	Pipe
SB-163 N08825	ASME	USA	Tube
-	-	-	-
-	-	-	-

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com