

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	Mechanical Properties	
Iron	Fe %	22.000 max.	Tensile Strength in Mpa	517 - 793
Nickel	Ni %	38.000 - 46.000	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
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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

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