

Material - ASTM B 516 N06045

Standard Specification for Nickel-Chromium-Iron Alloy Tubes

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 516 N06045 Nickel-Chromium-Iron Alloy Tubes

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

Grade Belongs to the Industry - Tube

Chemical Composition			Heat Treatment	
Carbon	C %	0.050 - 0.120	As-Cast or Annealing or Age Hardning	
Silicon	Si %	2.500 - 3.000		
Manganese	Mn %	1.000 max.		
Copper	Cu %	0.300 max.		
Sulphur	S %	0.010 max.		
Chromium	Cr %	26.000 - 29.000		
Iron	Fe %	21.000 - 25.000		
Phosphorus	P %	0.020 max.		
Cerium	Ce %	0.030 - 0.090	Mechanical Properties	
Nickel	Ni %	45.000 min.	Tensile Strength in Mpa	620 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 163 N06025	ASTM	USA	Tube
B 166 N06025	ASTM	USA	Rod, Bar and Wire
B 167 N06025	ASTM	USA	Pipe and Tube
B 168 N06025	ASTM	USA	Plate, Sheet and Strip
B 564 N06025	ASTM	USA	Forging
B 517 N06025	ASTM	USA	Pipe
B 462 N06025	ASTM	USA	Pipe and Valve

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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