

Material - ASTM B 166 N06690

Standard Specification for Nickel-Chromium-Iron Alloys and Nickel-Chromium-Cobalt-Molybdenum Alloy Rod, Bar and Wire

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 166 N06690 Nickel-Chromium-Iron Alloys and Nickel-Chromium-Cobalt-Molybdenum Alloy Rod, Bar and Wire

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

Grade Belongs to the Industry - Rod, Bar and Wire

Chemical Composition			Heat Treatment	
Carbon	C %	0.050 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.500 max.		
Manganese	Mn %	0.500 max.		
Copper	Cu %	0.500 max.		
Sulphur	S %	0.015 max.		
Chromium	Cr %	27.000 - 31.000		
Iron	Fe %	7.000 - 11.000		
Nickel	Ni %	58.000 min.		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	552 - 1138
-	-	-	Yield Strength in Mpa	240 min.
-	-	-	Elongation in %	5 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	75 - 100
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 163 N06690	ASTM	USA	Tube
B 167 N06690	ASTM	USA	Pipe and Tube
B 168 N06690	ASTM	USA	Plate, Sheet and Strip
B 564 N06690	ASTM	USA	Forging
B 834 N06690	ASTM	USA	Pipe
N06690	UNS	USA	Sheet
SB-166 N06690	ASME	USA	Rod, Bar and Wire

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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