

Material - ASTM B 625 R20033

Standard Specification for Ni-Fe-Cr-Mo-Cu-N Low-Carbon Alloy, Plate, Sheet and Strip

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 625 R20033 Ni-Fe-Cr-Mo-Cu-N Low-Carbon Alloy, Plate, Sheet and Strip

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

Grade Belongs to the Industry - Plate, Sheet and Strip

Chemical Composition			Heat Treatment	
Carbon	C %	0.015 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.500 max.		
Manganese	Mn %	2.000 max.		
Chromium	Cr %	31.000 - 35.000		
Sulphur	S %	0.010 max.		
Molybdenum	Mo %	0.500 - 2.000		
Phosphorus	P %	0.020 max.		
Nitrogen	N %	0.350 - 0.600	Mechanical Properties Tensile Strength in Mpa 750 min. Yield Strength in Mpa 380 min. Elongation in % 40 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
Copper	Cu %	0.300 - 1.200		
Nickel	Ni %	30.000 - 33.000		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 564 R20033	ASTM	USA	Forging
B 649 R20033	ASTM	USA	Bar and Wire
B 462 R20033	ASTM	USA	Pipe Flanges, Forged Fittings and Valve
B 619 R20033	ASTM	USA	Pipe
B 622 R20033	ASTM	USA	Pipe and Tube
B 626 R20033	ASTM	USA	Tube
SB-649 R20033	ASME	USA	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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