GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SB-581 N06030

Standard Specification for Nickel-Chromium-Iron-Molybdenum-Copper Alloy Rod

Group - Non-Ferrous Nickel Alloys

Sub Group - ASME SB-581 N06030 Nickel-Chromium-Iron-Molybdenum-Copper Alloy Rod

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

Grade Belongs to the Industry - Rod

Chemical Composition		
Carbon	C %	0.030 max.
Silicon	Si %	0.800 max.
Manganese	Mn %	1.500 max.
Chromium	Cr %	28.000 - 31.500
Sulphur	S %	0.020 max.
Molybdenum	Mo %	4.000 - 6.000
Phosphorus	P %	0.040 max.
Nb + Ta	Nb% + Ta%	0.300 - 1.500
Tungsten	W %	1.500 - 4.000
Copper	Cu %	1.000 - 2.400
Cobalt	Co %	5.000 max.
Iron	Fe %	13.000 - 17.000
Nickel	Ni %	Balance
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing or Age Hardning

Mechanical Properties	
Tensile Strength in Mpa	586 min.
Yield Strength in Mpa	241 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 581 N06030	ASTM	USA	Rod
B 582 N06030	ASTM	USA	Plate, Sheet and Strip
B 462 N06030	ASTM	USA	Pipe Flanges, Forged Fittings and Valve
B 619 N06030	ASTM	USA	Pipe
B 622 N06030	ASTM	USA	Pipe and Tube
B 626 N06030	ASTM	USA	Tube
B 472 N06030	ASTM	USA	Billets and Bars

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com