



**GRAVITY CAST PVT. LTD.**  
GRAVITY GROUP OF COMPANIES

## Material - ASTM B 574 N10276

Standard Specification for Low-Carbon Nickel-Chromium-Molybdenum, Alloy Rod

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 574 N10276 Low-Carbon Nickel-Chromium-Molybdenum, Alloy Rod

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

Grade Belongs to the Industry - Rod

Chemical Composition			Heat Treatment	
Carbon	C %	0.010 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.080 max.		
Manganese	Mn %	1.000 max.		
Chromium	Cr %	14.500 - 16.500		
Sulphur	S %	0.030 max.		
Molybdenum	Mo %	15.000 - 17.000		
Phosphorus	P %	0.040 max.		
Cobalt	Co %	2.500 max.		
Iron	Fe %	4.000 - 7.000		
Tungsten	W %	3.000 - 4.500		
Vanadium	V %	0.350 max.	Mechanical Properties	
Nickel	Ni %	Balance	Tensile Strength in Mpa	690 min.
-	-	-	Yield Strength in Mpa	283 min.
-	-	-	Elongation in %	40 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 564 N10276	ASTM	USA	Forging
B 575 N10276	ASTM	USA	Plate, Sheet and Strip
B 462 N10276	ASTM	USA	Pipe Flanges, Forged Fittings, and Valve
B 619 N10276	ASTM	USA	Pipe
B 622 N10276	ASTM	USA	Pipe and Tube
B 626 N10276	ASTM	USA	Tube
N10276	UNS	USA	Casting

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

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