



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SB-564 N06058

Standard Specification for Nickel Alloy Forgings

Group - Non-Ferrous Nickel Alloys

Sub Group - ASME SB-564 N06058 Nickel Alloy Forgings

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

Grade Belongs to the Industry - Forging

Chemical Composition			Heat Treatment	
Carbon	C %	0.010 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.100 max.		
Manganese	Mn %	0.500 max.		
Chromium	Cr %	20.000 - 23.000		
Sulphur	S %	0.010 max.		
Molybdenum	Mo %	18.500 - 21.000		
Phosphorus	P %	0.015 max.		
Cobalt	Co %	0.300 max.		
Copper	Cu %	0.500 max.		
Aluminium	Al %	0.400 max.		
Iron	Fe %	1.500 max.	Mechanical Properties	
Tungsten	W %	0.300 max.	Tensile Strength in Mpa	760 min.
Nitrogen	N %	0.020 - 0.150	Yield Strength in Mpa	360 min.
Nickel	Ni %	Balance	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 N06058	ASTM	USA	Forging
B 574 N06058	ASTM	USA	Rod
B 575 N06058	ASTM	USA	Plate, Sheet and Strip
B 619 N06058	ASTM	USA	Pipe
B 622 N06058	ASTM	USA	Pipe and Tube
B 626 N06058	ASTM	USA	Tube
SB-574 N06058	ASME	USA	Rod

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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

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