



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

## Material - ASTM B 462 N06030

**Standard Specification for Forged or Rolled Alloy Pipe Flanges, Forged Fittings, and Valves and Parts for Corrosive High-Temperature Service**

**Group - Non-Ferrous Nickel Alloys**

**Sub Group - ASTM B 462 N06030 Forged or Rolled Alloy Pipe Flanges, Forged Fittings, and Valves and Parts for Corrosive High-Temperature Service**

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

**Grade Belongs to the Industry - Pipe Flanges, Forged Fittings and Valve**

Chemical Composition			Heat Treatment	
Carbon	C %	0.030 max.	As-Cast or Annealing or Age Hardning	
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.		
Cobalt	Co %	5.000 max.		
Copper	Cu %	1.000 - 2.400		
Tungsten	W %	1.500 - 4.000		
Nb + Ta	Nb% + Ta%	0.300 - 1.500	Mechanical Properties	
Iron	Fe %	13.000 - 17.000	Tensile Strength in Mpa	586 min.
Nickel	Ni %	Balance	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 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
SB-581 N06030	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](mailto: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.

**ONE STOP SOLUTION FOR METAL PARTS**