



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SB-462 N08026

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 - ASME SB-462 N08026 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 Flange, Forged Fitting and Valve

Chemical Composition			Heat Treatment	
Carbon	C %	0.030 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.500 max.		
Manganese	Mn %	1.000 max.		
Copper	Cu %	2.000 - 4.000		
Sulphur	S %	0.030 max.		
Chromium	Cr %	22.000 - 26.000		
Phosphorus	P %	0.030 max.		
Molybdenum	Mo %	5.000 - 6.7000		
Nitrogen	N %	0.100 - 0.160		
Nickel	Ni %	33.000 - 37.200		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	551 min.
-	-	-	Yield Strength in Mpa	241 min.
-	-	-	Elongation in %	30 min.
-	-	-	Reduction of Area in %	50 min.
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 463 N08026	ASTM	USA	Plate, Sheet and Strip
B 464 N08026	ASTM	USA	Pipe
B 468 N08026	ASTM	USA	Tube
B 472 N08026	ASTM	USA	Billets and Bars for Reforging
B 473 N08026	ASTM	USA	Bar and Wire
B 475 N08026	ASTM	USA	Wire
B 729 N08026	ASTM	USA	Pipe and Tube

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.

ONE STOP SOLUTION FOR METAL PARTS