



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

## Material - ASTM B 462 N10665

**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 N10665 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 and Valve**

Chemical Composition			Heat Treatment	
Carbon	C %	0.020 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.100 max.		
Manganese	Mn %	1.000 max.		
Cobalt	Co %	1.000 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	1.000 max.		
Phosphorus	P %	0.040 max.		
Molybdenum	Mo %	26.000 - 30.000		
Iron	Fe %	2.000 max.		
Nickel	Ni %	Balance		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa      760 min. Yield Strength in Mpa      350 min. Elongation in %      40 min. Reduction of Area in %      - Hardness in BHN      - Impact in Joule      -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 333 N10665	ASTM	USA	Plate, Sheet and Strip
B 335 N10665	ASTM	USA	Rod
B 564 N10665	ASTM	USA	Forging
B 619 N10665	ASTM	USA	Pipe
B 622 N10665	ASTM	USA	Pipe and Tube
B 626 N10665	ASTM	USA	Tube
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**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**