

Material - ASTM B 462 R20033

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 R20033 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 %	0.015 max.		
Silicon	Si %	0.500 max.		
Manganese	Mn %	2.000 max.		
Chromium	Cr %	31.000 - 35.000	As-Cast or Annealing or Age Hardning	
Sulphur	S %	0.010 max.		
Molybdenum	Mo %	0.500 - 2.000		
Phosphorus	Р%	0.020 max.		
Nitrogen	N %	0.350 - 0.600		
Copper	Cu %	0.300 - 1.200	Mechanical Properties	
Nickel	Ni %	30.000 - 33.000	Tensile Strength in Mpa	750 min.
Iron	Fe %	Balance	Yield Strength in Mpa	380 min.
-	-	-	Elongation in %	40 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardne <mark>ss in BHN</mark>	-
-	-	-	Impac <mark>t in Joule</mark>	-

Cross Reference Table				
Material	Standard	Country Grade Belong to the Industry		
B 564 R20033	ASTM	USA	Forging	
B 649 R20033	ASTM	USA	Bar and Wire	
B 619 R20033	ASTM	USA	Pipe	
B 622 R20033	ASTM	USA	Pipe and Tube	
B 626 R20033	ASTM	USA	Tube	
B 625 R20033	ASTM	USA	Plate, Sheet and Strip	
SB-649 R20033	ASME	USA	Bar and Wire	

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

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