



## Material - Gravity INCONEL alloy N06230

### Standard Specification for Nickel and Nickel-Related Alloys

Group - Non-Ferrous Nickel Alloys

Sub Group - Gravity INCONEL alloy N06230 Nickel and Nickel-Related Alloys

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

Grade Belongs to the Industry - Sheet, Strip and Plate

Chemical Composition			Heat Treatment	
Carbon	C %	0.005 - 0.150	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.250 - 0.750		
Manganese	Mn %	0.300 - 1.000		
Chromium	Cr %	20.000 - 24.000		
Cobalt	Co %	5.000 max.		
Molybdenum	Mo %	1.000 - 3.000		
Sulphur	S %	0.015 max.		
Phosphorus	P %	0.030 max.		
Aluminium	Al %	0.200 - 0.500		
Iron	Fe %	3.000 max.		
Boron	B %	0.015 max.	<b>Mechanical Properties</b> Tensile Strength in Mpa   806.700 - 1416.800 Yield Strength in Mpa   379.200 - 1312.800 Elongation in %   2.704 - 48 Reduction of Area in %   - Hardness in BHN   - Impact in Joule   -	
Lanthanum	La %	0.005 - 0.050		
Tungsten	W %	13.000 - 15.000		
Nickel	Ni %	Balance		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
UNS N06230	UNS	USA	Sheet, Strip and Plate
B435 N06230	ASTM	USA	Sheet, Strip and Plate
B472 N06230	ASTM	USA	Billets and Bars for Reforging
B564 N06230	ASTM	USA	Forging
SB-435 N06230	ASME	USA	Sheet, Strip and Plate
SB-564 N06230	ASME	USA	Forging
SB-572 N06230	ASME	USA	Sheet, Strip and Plate

**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)**

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