



## Material - JIS NW6600

### Standard Specification for Nickel Plate, Sheet and Strip

Group - Non-Ferrous Nickel Alloys

Sub Group - JIS NW6600 Nickel Plate, Sheet and Strip

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

Grade Belongs to the Industry - Plate, Sheet and Strip

Chemical Composition			Heat Treatment			
Carbon	C %	0.150 max.	As-Cast or Annealing or Age Hardning			
Silicon	Si %	0.500 max.				
Manganese	Mn %	1.000 max.				
Copper	Cu %	0.500 max.				
Sulphur	S %	0.015 max.				
Chromium	Cr %	14.000 - 17.000				
Iron	Fe %	6.000 - 10.000				
Cobalt	Co %	1.500 max.				
Nickel	Ni %	72.000 min.				
-	-	-				
-	-	-	<th colspan="2">Mechanical Properties</th>		Mechanical Properties	
-	-	-	Tensile Strength in Mpa	500 min.		
-	-	-	Yield Strength in Mpa	170 min.		
-	-	-	Elongation in %	2 min.		
-	-	-	Reduction of Area in %	-		
-	-	-	Hardness in HRC	23 - 98		
-	-	-	Impact in Joule	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 163 N06600	ASTM	USA	Tube
B 166 N06600	ASTM	USA	Rod, Bar and Wire
B 167 N06600	ASTM	USA	Pipe and Tube
SB-163 N06600	ASME	USA	Tube
B 168 N06600	ASTM	USA	Plate, Sheet and Strip
B 472 N06600	ASTM	USA	Bar
NiCr15Fe8	ISO	International	Plate, Sheet and Strip

**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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