



# E STEEL SDN BHD (891338-A)

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Nickel Alloy Ni-201, Commercially Pure Nickel, UNS N02201, 2.4068

## Data Sheet:

## Nickel 201

Nickel 201 Basic Chemical Composition							
Weight %	Ni	Cu	Fe	Mn	C	Si	S
<b>Nickel 200</b>	99.0 min	0.25 max	0.40 max	0.35 max	0.15 max	0.35 max	0.01 max
<b>Nickel 201</b>	99.0 min	0.25 max	0.40 max	0.35 max	0.02 max	0.35 max	0.01 max

Alloy 201 (UNS N02201) is a commercially pure wrought nickel, with good mechanical properties and an excellent resistance to many corrosives. Nickel 201 has low carbon (0.02% max) for applications over 315°C it is mainly used for food processing equipment, chemical shipping drums, caustic handling equipment and piping, electronic parts, aerospace and missile components, rocket motor cases, magnetostrictive devices.

### Similar Specifications

UNS N02201

BS 3072, BS 3073, BS 3074, BS 3075 and BS 3076 (NA12)

ASTM B160, ASTM B162, ASTM B 163, ASTM B 725 and ASTM B 730.

SAE AMS 5553 Sheet, Strip

ASME SB-160, ASME SB-163 and Boiler Code Sections III, VIII, IV.

DIN 17740, 17750, 17751, 17752, 17753 and 17754.

Werkstoff Nr. 2.4061 and 2.4068

### Mechanical Properties

Condition	Solution Annealed	Cold Worked	Hot Worked
<b>Tensile Strength ( Mpa )</b>	392	539	372
<b>0.2% Yield Strength ( Mpa )</b>	117	441	117
<b>Elongation ( % )</b>	50	20	50
<b>Hardness ( HB )</b>	90	160	90