

Alloy 20

UNS N08020

Characteristics.

- Also known by other names: Carpenter 20, IncoloyMR Alloy 20.
- Austenitic nickel-iron-chromium.
- It has a high resistance to attack by acid (sulfuric acid, for example.)
- Excellent resistance to corrosion, pitting, etc.
- Good mechanical properties.
- Easy to manufacture.
- As the amount of nickel is at the limit of definition between a stainless steel or a nickel alloy can be used or refer equally.
- Its use in a variety of industries, including the food industry, the pharmaceutical, chemical, plastic, etc.
- It is also used in heat exchangers, mixing tanks, cleaning equipment, bath treatment for metals and pipes.

Shape or Presentation

- Print
- Plate
- Bar
- Tube
- Tubing
- Connections
- Wire

Chemical Composition %

Ni	Fe	Cr	Cu	Mo	Nb
32.00 – 38.00	Balance	19.0 21.0	3.0 – 4.0	2.0 – 3.0	8xC-1.0 max
C	Mn	P	S	Si	
0.07 max	2.0 max	0.45 max	0.35 max	1.0 max	