

ALLOY 20

Description

A nickel-iron-chromium alloy with additions of molybdenum and copper. Alloy 20 has great resistance to pitting, general corrosion, and crevice corrosion in chemicals containing sulfuric, nitric, and phosphoric acids as well as chlorides. It also contains niobium for stabilization and is used for piping, tanks, pumps, valves, heat exchangers, and other process equipment.

Forms in stock

- Pipe
- Fittings
- Flanges

Specifications

UNS N08020

Welded Pipe	6" - 12"	10s, 40s	ASTM/ASME 464
Smls Pipe	½" - 8"	10s, 40s, 80s, 160	ASTM/ASME 729
B/W Fittings	½" - 12"	10s, 40s, 80s	ASTM/ASME 366
Flanges	½" - 12"	150#, 300#	ASTM/ASME 462
Pressure Fittings	½" - 2"	3000# THRD/SW	ASTM/ASME 462

Limiting Chemical Composition, %

Ni....32.0 – 38.0	Nb....1.0 max.
Fe....Remainder	C.....0.07 max.
Cr.....19.0 – 21.0	Mn.....2.0 max.
Cu....3.0 – 4.0	P.....0.045 max.
Nb + Ta..8 x C – 1.0	S.....0.035 max.
Mo....2.0 – 3.0	Si.....1.0 max.