

HASTELLOY[®] C-2000[®] alloy

Principal Features

A copper-bearing Ni-Cr-Mo material with exceptional resistance to sulfuric acid

HASTELLOY[®] C-2000[®] alloy (UNS N06200) is unique among the versatile nickel-chromium-molybdenum materials in having a deliberate copper addition. This provides greatly enhanced resistance to sulfuric acid. It also has a high chromium content, to maximize its resistance to oxidizing chemicals and process streams contaminated with ferric ions and dissolved oxygen.

Like other nickel alloys, it is ductile, easy to form and weld, and possesses exceptional resistance to stress corrosion cracking in chloride-bearing solutions (a form of degradation to which the austenitic stainless steels are prone). It is able to withstand a wide range of oxidizing and non-oxidizing chemicals, and exhibits outstanding resistance to pitting and crevice attack in the presence of chlorides and other halides.

HASTELLOY[®] C-2000[®] alloy is available in the form of plates, sheets, strips, billets, bars, wires, pipes, tubes, and covered electrodes. Typical chemical process industry (CPI) applications include reactors and heat exchangers.