

# STELLITE ALLOY 31

## Characteristics.

- Alloys composed of different proportions of cobalt, nickel, iron, aluminum, boron, carbon, chromium, manganese, molybdenum, phosphorus, sulfur, silicon, and titanium.
- There are different grades and most of the alloys get to have from 4 to 6 of these elements.
- It's a hard coating alloy created to enhanced resistance to metal wearing.
- Resistant to rust, abrasion, and corrosion.
- Used in different applications: machinery parts resistant to acids, lathe tool fabrication, pump sleeves, rotary seal rings, saw blades, turbine blades, etc.

## Stellite Alloy 31

- High temperature alloy which has tensile and creep properties in precision casting.
- Resistant to rust and reducing atmosphere up to 2100°F.
- Superior in fatigue fracture properties compared to most commercial alloys.

**\*Stellite es una marca registrada de Deloro Stellite Company.**

# STELLITE ALLOY 31

## Shape or Presentation

- Bar
- Welding wire
- Powder
- Electrodes
- Cast parts, etc.

## Chemical Composition %

Co	Ni	Fe	C
Balance	10.5	2 max	0.5
Cr	Mn	Si	W
25.5	1	1	7.5

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