# STELLITE ALLOY 21

**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 21**

- Resistant to rust and reducing atmospheres up to 2100°F.
- Excellent resistance at high temperatures.

# STELLITE ALLOY 21

**Shape or Presentation**

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

## Chemical Composition %

| Co | Ni | Fe | C |
|---|---|---|---|
| Balance | 2.5 | 3 max | 0.25 |
| **Cr** | **Mn** | **Si** | **Mo** |
| 27 | 1 | 1.5 | 5.5 |