

**Technical  
data sheet**

EN220724GB

**Laser cladding cored wire  
STELLOY 188-LD****CLASSIFICATION**

EN 14700: T Z Co

**DESCRIPTION**

- Cobalt based metal cored wire developed for laser cladding
- Produces attractive weld bead appearance with minimal silicate island, with low fume emissions and spatter
- Can also be used for TIG or plasma welding
- Exceptional strength with high corrosion resistance.

**APPLICATIONS**

STELLOY 188-LD is used for hardfacing parts undergoing the single or combined effects of heavy metal-to-metal wear or abrasion and corrosive environments with temperatures up to 1000 °C

**Examples**

Gas turbine engine combustors, aircraft components, etc.

**TYPICAL ALL-WELD METAL ANALYSIS**

| C    | Mn  | Si  | Cr   | Ni   | W    | Fe  | Co   |
|------|-----|-----|------|------|------|-----|------|
| 0.05 | 0.5 | 0.1 | 19.0 | 18.0 | 13.0 | 2.5 | Bal. |

Structure: austenitic matrix with dispersed carbides or intermetallic component precipitates

**TYPICAL ALL-WELD METAL MECHANICAL PROPERTIES**

Hardness:

Three-layer deposit on mild steel: 35 - 39 HRC

**PACKAGING**

|                                 |              |
|---------------------------------|--------------|
| Diameter                        | 1.2 - 1.6 mm |
| Standard packaging (EN ISO 544) | BS 300 spool |
| Weight                          | 15 kg        |

Other packaging and other diameters: please consult us