



# CEWELD SP 312

**TYPE** Solid high Cr/Ni Metal spray wire. (Type 29 9, 312, 1.4337)

**APPLICATIONS** CEWELD SP 312 is a 29/9 Chromium- Nickel alloy for use at operating temperatures up to 1020 °C. It contains a high chromium content for good corrosion resistance and remarkable strength properties, especially under conditions of frequent switching or wide temperature fluctuations. Used for heating elements in domestic appliances and industrial equipment. CEWELD SP 312 can be applied with the flame spray process and the electric arc process as well.

**PROPERTIES** Excellent corrosion resistance against many media and acid environments. Good thermal shock resistance.

**CLASSIFICATION** EN ISO 14919: X.mod type  
W.Nr. 1.4337

**SUITABLE FOR** All materials that are suitable for spray arc cladding

**APPROVALS** No Approvals Found

**WELDING POSITIONS**



**TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)**

| Si   | Mn | Cr | Mo  |
|------|----|----|-----|
| 0.55 | 2  | 30 | 0.5 |

| <b>ALL WELD MECHANICAL PROPERTIES</b> | Heat Treatment | $R_{P0,2}$ MPa | Rm MPa | A5 (%) | Hardness Brinell Hardness<br>Avg. 210 |
|---------------------------------------|----------------|----------------|--------|--------|---------------------------------------|
|                                       | As Welded /1h  |                |        |        |                                       |

**REDRYING TEMPERATURE** Not required

**GAS ACCORDING EN 14175** None



# CEWELD SP 312

SP 312 1,6MM

| Type   | KG/unit | EANCode       |
|--------|---------|---------------|
| BS-300 | 15      | 8720663410122 |