



CEWELD NiCro 718 Tig

TYPE Solid wire for Nickel based high strength alloy 718

TOEPASSINGEN CEWELD NiCro 718 is used in a wide range of applications such as components for liquid fueled rockets, rings, casings and various formed sheet metal parts for aircraft and land-based gas turbine engines, and cryogenic tankage. It is also used for fasteners and instrumentation parts. 718 filler metal can be also used for cladding and overlay of parts in the oil and gas industry.

EIGENSCHAPPEN Special alloy with age hardenable deposit and similar mechanical properties as the base metal. Age hardened condition: 720°C for 8 Hours, furnace Cool 55°C/hour to 620°C than Air Cool for 8 hours

CLASSIFICATIE

| | |
|--------|------------------------------------|
| AWS | A 5.14: ERNiFeCr-2 |
| EN ISO | 18274: S Ni 7718(NiCr19Fe19Nb5Mo3) |
| W.Nr. | 2.4667 |
| F-nr | 43 |
| FM | 6 |

GESCHIKT VOOR Inconel 718(2.4668), 706 and X-750 (X750)

GOEDKEURINGEN

LASPOSITIES



TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

| C | Si | Mn | Cr | Ni | Mo | Nb | Ti | Fe | Al | Nb+Ta |
|------|-----|-----|----|----|----|-----|----|----|-----|-------|
| 0.06 | 0.2 | 0.2 | 20 | 53 | 3 | 5.1 | 1 | 15 | 0.6 | 5 |

MECHANISCHE WAARDEN

| Heat Treatment | R _{p0,2} (MPa) | R _m (MPa) | A ₅ (%) | Hardness |
|----------------|-------------------------|----------------------|--------------------|----------|
| As Welded | 580 | 860 | 28 | HRc |

HERDROGEN Not required

GAS ACC. EN ISO 14175 11



CEWELD NiCro 718 Tig

NICRO 718 TIG 1,6 X
1000MM

| Packaging | KG/unit | EanCode |
|-----------|---------|---------------|
| Tube | 5 | 8720663419002 |

NICRO 718 TIG 2,0 X
1000MM

| Packaging | KG/unit | EanCode |
|-----------|---------|---------------|
| Tube | 5 | 8720663419019 |

NICRO 718 TIG 2,4 X
1000MM

| Packaging | KG/unit | EanCode |
|-----------|---------|---------------|
| Tube | 5 | 8720663419026 |

NICRO 718 TIG 3,2 X
1000MM

| Packaging | KG/unit | EanCode |
|-----------|---------|---------------|
| Tube | 5 | 8720663419033 |