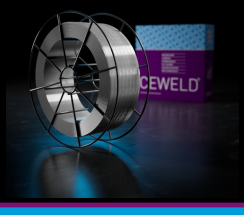



# CEWELD NiCro 718

certilas® THE FILLER METAL SPECIALIST

| | |
|---|---|
| TYPE | Solid wire for Nickel based high strength alloy 718 |
| APPLICATIONS | 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. |
| PROPERTIES | 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. |

CLASSIFICATION

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

SUITABLE FOR

Cr-Ni-Nb-Mo alloy and 718, 706, and X-750 alloys.
**EN W.Nr.**: 2.4668 (NiCr19Fe19Nb5Mo3), 2.4669 (NiCr15Fe7TiAl).
**ASTM**: B637, 5589.
**UNS**: N07718, N09706, N07750.
Inconel 718(2.4668), 706 and X-750 (X750)

APPROVALS

No Approvals Found

WELDING POSITIONS


TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

| C | Si | Mn | Cr | Ni | Mo | Nb | Ti | Fe | Al | Nb+Ta | PREN |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.06 | 0.2 | 0.2 | 20 | 53 | 3 | 5.1 | 1 | 20 | 0.6 | 5 | 27 |

ALL WELD MECHANICAL PROPERTIES

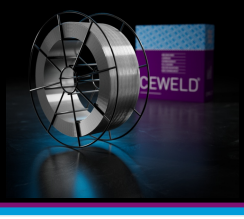
| Heat Treatment | $R_{P0,2}$ MPa | Rm MPa | A5 (%) |
|---|---|---|---|
| As Welded / | 580 | 860 | 28 |

REDRYING TEMPERATURE

Not required

GAS ACCORDING EN 14175

I1




# CEWELD NiCro 718

certilas® THE FILLER METAL SPECIALIST

NICRO 718 1,14MM

| Type | KG/unit | EANCode |
|---|---|---|
| BS-300 | 13,6 | 8720663418982 |

NICRO 718 1,2MM

| Type | KG/unit | EANCode |
|---|---|---|
| BS-300 | 12,70 | 8720663418968 |
| BS-300 | 15 | 8720663418975 |

NICRO 718 1,6MM

| Type | KG/unit | EANCode |
|---|---|---|
| BS-300 | 13,6 | 8720663418999 |