



CEWELD 4130

TYPE High strength low alloyed Chromium / Molybdenum filler metal.

APPLICATIONS Used in aeronautical sector, construction of connecting rods for automotive sector, fixing part, gears, bolts, axes etc..

PROPERTIES 4130 offers extreme high strength with excellent ductility and good weldability. Preheat and interpass temperature > 200°C

CLASSIFICATION W.Nr. 1.7218

SUITABLE FOR 1.7218, 1.7225
25 CD4, 13 CD45, 16MnCr5, 25CrMo4, 42CrMo4
AISI 4130, 8630, 4140

APPROVALS CE

WELDING POSITIONS



TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

| C | Mn | Si | Cr | Mo | Ni |
|-----|-----|-----|----|-----|-----|
| 0.3 | 0.5 | 0.3 | 1 | 0.2 | 0.1 |

MECHANICAL PROPERTIES

| Heat Treatment | R _{p0,2} (MPa) | R _m (MPa) | A ₅ (%) | Hardness |
|----------------|-------------------------|----------------------|--------------------|----------|
| As Welded | 1140 | 1170 | 11 | 38 HRc |

REDRYING Not required

GAS ACC. EN ISO 14175