



CEWELD S2 CrMo1

TYPE Submerged Arc wire for welding temperature resistant boiler steels and base metals.

TOEPASSINGEN Typical applications in power generation plant include steam piping, turbines and boilers; the alloy also finds applications in the chemical and petrol-chemical industries.

EIGENSCHAPPEN Submerged arc welding wire for high temperature creep resistant 1.25%Cr 0.5%Mo ferritic steel. These steels are used for creep resisting applications up to ~550°C. The wire has low levels of tramp elements (e.g. Sn, As, Sb and P) providing a low Bruscato Factor (X< 10 ppm) for temper embrittlement resistant applications. Fluxes FL 180 and FL 155

CLASSIFICATIE

| | |
|--------|------------------|
| AWS | A 5.23: EB2 |
| EN ISO | 24598-A: S CrMo1 |
| W.Nr. | 1.7346 |
| F-nr | 6 |
| FM | 3 |

GESCHIKT VOOR **Typ 1Cr0,5Mo, ISO 15608: ~5,1**
 1.7335, 1.7262, 1.7728, 1.7218, 1.7225, 1.7258, 1.7354, 1.7357, 1.7205, 1.7218, 1.7225, 1.7228, 1.7254, 1.7262, 1.7335, 1.7337, 1.7350, 1.7354, 1.7357,
 13CrMoV42, 13CrMo4-4, 13CrMo4-5, 15CrMo3, 15CrMo5, 13CrMoV42, 15Cr3, 16MnCr5, 20MnCr5, 15CrMo5, 24CrMo5, 25CrMo4, GS-22CrMo5, GS-22CrMo54, GS 17CrMo5-5, 16CrMoV4, 42CrMo4, 42CrMo4V, 41CrMo4V
 ASTM A 182 Gr. F12; A 193 Gr. B7; A 213 Gr. T12; A 217 Gr. WC6; A 234 Gr. WP11; A335 Gr. P11, P12; A 336 Gr. F11, F12; A 426 Gr. CP12

GOEDKEURINGEN CE

LASPOSITIES

TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

| C | Si | Mn | P | S | Cr | Mo |
|-----|------|------|------|------|-----|-----|
| 0.1 | 0.25 | 0.95 | 0.01 | 0.01 | 1.2 | 0.5 |

MECHANISCHE WAARDEN

| Heat Treatment | R _{P0,2} (MPa) | R _m (MPa) | A ₅ (%) | Impact Energy (J) ISO-V | | Hardness |
|----------------|-------------------------|----------------------|--------------------|-------------------------|-------|----------|
| | | | | RT | -20°C | |
| 690°C±15°C 3h | 490 | 600 | 22 | 100 | 50 | HRc |

HERDROGEN Not required

GAS ACC. EN ISO 14175



CEWELD S2 CrMo1

S2 CRM01 2,0MM

| Packaging | KG/unit | EanCode |
|-----------|---------|---------------|
| K-415 | 20 | 8720663404725 |

S2 CRM01 2,4MM

| Packaging | KG/unit | EanCode |
|-----------|---------|---------------|
| K-415 | 25 | 8720663404732 |

S2 CRM01 3,2MM

| Packaging | KG/unit | EanCode |
|-----------|---------|---------------|
| Drum | 300 | 8720663405906 |
| K-415 | 25 | 8720663404749 |

S2 CRM01 4,0MM

| Packaging | KG/unit | EanCode |
|-----------|---------|---------------|
| K-415 | 25 | 8720663404756 |