

# Normeringen RVS

Vergelijkingstabel van internationale normen ingedeeld per materiaalgroep.

## 1. Ferritisch roestvast staal

*Chroomstaal met een laag koolstofgehalte, magnetisch en niet hardbaar.*

| Werkstoff | AISI | DIN (EN)   | AFNOR    | BS     | UNS    |
|-----------|------|------------|----------|--------|--------|
| 1,4016    | 430  | X6Cr17     | Z8C17    | 430S15 | S43000 |
| 1,4104    | 430F | X12CrMoS17 | Z10CF17  | —      | S43020 |
| 1,4724    | —    | X10CrAl13  | Z13C13   | —      | —      |
| 1,4742    | —    | X10CrAl18  | Z12CAS18 | —      | —      |

## 2. Martensitisch roestvast staal

*Hardbaar chroomstaal met een hoger koolstofgehalte, magnetisch.*

| Werkstoff | AISI | DIN (EN)                | AFNOR       | BS     | UNS    |
|-----------|------|-------------------------|-------------|--------|--------|
| 1,4005    | 416  | X12CrS13                | Z12CF13     | 416S21 | S41600 |
| 1,4006    | 410  | X10Cr13                 | Z12C13      | 410S21 | S41000 |
| 1,4021    | 420A | X20Cr13                 | Z20C13      | 420S37 | S42000 |
| 1,4034    | —    | X46Cr13                 | Z44C14      | 420S45 | —      |
| 1,4057    | 431  | X17CrNi17 2             | Z15CN16.02  | 431S29 | S43100 |
| 1,4112    | 440B | X90CrMoV18              | —           | —      | S44003 |
| 1,4122    | —    | X35CrMo17 / X38CrMo17.1 | X38CrMo17.1 | —      | —      |

### 3. Austenitisch roestvast staal

Chroom-nikkel- en chroom-nikkel-molybdeenstaal. Niet-magnetisch en uitstekend corrosiebestendig.

| Werkstoff     | AISI  | DIN (EN)           | AFNOR        | BS     | UNS    |
|---------------|-------|--------------------|--------------|--------|--------|
| <b>1,4301</b> | 304   | X5CrNi18 10        | Z6CN18.09    | 304S15 | S30400 |
| <b>1,4305</b> | 303   | X10CrNiS18 9       | Z10CNF18.09  | 303S21 | S30300 |
| <b>1,4306</b> | 304L  | X2CrNi19 11        | Z2CN18.10    | 304S12 | S30403 |
| <b>1,4307</b> | 304L  | X2CrNi18 9         | Z3CN18.10    | 304S11 | —      |
| <b>1,4310</b> | 301   | X12CrNi17 7        | Z12CN17.07   | 301S21 | S30100 |
| <b>1,4401</b> | 316   | X5CrNiMo17 12 2    | Z6CND17.11   | 316S16 | S31600 |
| <b>1,4404</b> | 316L  | X2CrNiMo17 13 2    | Z2CND18.13   | 316S11 | S31603 |
| <b>1,4435</b> | 316L  | X2CrNiMo 18 14 3   | Z2CND17.13   | 316S11 | S31603 |
| <b>1,4436</b> | 316   | X5CrNiMo17 13 3    | Z6CND17.12   | 316S33 | S31600 |
| <b>1,4438</b> | 317L  | X2CrNiMo18 16 4    | Z2CND19.15   | 317S12 | S31703 |
| <b>1,4439</b> | 317LN | X2CrNiMoN17 13 5   | Z3CND18.1405 | 1449   | S31726 |
| <b>1,4449</b> | 317   | X3CrNiMo18 12 3    | —            | 317S16 | S31700 |
| <b>1,4541</b> | 321   | X6CrNiTi 18 10     | Z6CNT18.10   | 321S12 | S32100 |
| <b>1,4550</b> | 347   | X6CrNiNb 18 10     | Z6CNNb18.10  | 347S17 | S34700 |
| <b>1,4571</b> | 316Ti | X6CrNiMoTi 17 12 2 | Z6CNDT17.12  | 320S31 | S31635 |

## 4. Austenitisch-Ferritisch roestvast staal (Duplex)

Gecombineerde structuur met een hoge mechanische sterkte en uitstekende weerstand tegen spanningscorrosie.

| Werkstoff | AISI | DIN (EN)        | AFNOR        | BS     | UNS    |
|-----------|------|-----------------|--------------|--------|--------|
| 1,4460    | 329  | X4CrNiMoN27 5 2 | Z5CND27.05Az | —      | S31200 |
| 1,4462    | —    | X2CrNiMoN22 5 3 | Z2CND22.0503 | 318S13 | S31803 |

## 5. Hittebestendige legeringen

Speciaal ontwikkeld voor hoge mechanische belasting en uitstekende weerstand tegen oxidatie bij temperaturen boven 550°C.

| Werkstoff | AISI | DIN (EN)          | AFNOR       | BS     | UNS    |
|-----------|------|-------------------|-------------|--------|--------|
| 1,4718    | HNV3 | X45CrAl13         | Z45CS9      | 401S45 | S65007 |
| 1,4749    | —    | X18CrN28          | —           | —      | —      |
| 1,4762    | 446  | X10CrAl24         | Z12CAS25    | —      | S44600 |
| 1,4828    | 309  | X15CrNiSi20 12    | Z15CNS20.12 | 309S24 | S30900 |
| 1,4841    | 310  | X15CrNiSi25 20    | Z12CNS25.20 | 310S31 | —      |
| 1,4845    | 310S | X12CrNi25 21      | Z12Cn25.20  | 310S24 | S31008 |
| 1,4864    | 330  | X12NiCrSi36 16    | Z12NCS36.16 | NA17   | N08330 |
| 1,4876    | B163 | X10NiCrAlTi 32 20 | Z8NC32.21   | NA15   | N08800 |
| 1,4878    | 321H | X12CrNiTi 19 9    | Z6CNT18.10  | 321S51 | S32109 |