



REACTIVE ALLOYS

| | Werkst nr. | UNS | Sg g/cm ³ | Technische specificatie |
|-------------------|------------|--------|----------------------|---------------------------------|
| Titanium Grade 1 | 3.7025 | R50250 | 4,51 | ASTM B-265 ASME SB -265 |
| Titanium Grade 2 | 3.7035 | R50400 | 4,51 | ASTM B-265 ASME SB-265 AMS 4902 |
| Titanium Grade 3 | 3.7055 | R50550 | 4,51 | ASTM B-265 ASME SB-265 AMS 4900 |
| Titanium Grade 4 | 3.7065 | R50700 | 4,51 | ASTM B-265 ASME 4901 |
| Titanium Grade 5 | 3.7164/5 | R56400 | 4,43 | ASTM B-265 ASME SB-265 AMS 4911 |
| Titanium Grade 7 | 3.7235 | R52400 | 4,51 | ASTM B-265 ASME SB-265 |
| Titanium Grade 9 | 3.7195 | R56320 | 4,50 | ASTM B-265 AMS 4943 |
| Titanium Grade 11 | 3.7225 | R52250 | 4,50 | ASTM B-265 |
| Titanium Grade 12 | 3.7105 | R53400 | 4,50 | ASTM B-265 ASME SB-265 |
| Zirconium Zr 702 | - | R60702 | 6,51 | ASTM B-550 |
| Zirconium Zr 705 | - | R60705 | 6,64 | - |

CORROSION RESISTANT ALLOYS

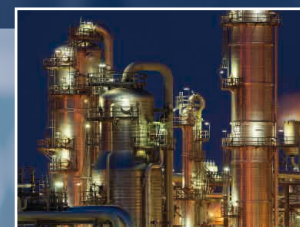
| | Werkst nr. | UNS | Sg g/cm ³ | DIN | Technische specificatie | Tradename |
|-------------|------------|--------|----------------------|-----------------|--|-----------------|
| Alloy 200 | 2.4066 | N02200 | 8,89 | Ni 99,2 | ASTM B-162 ASME SB-162 AMS 5533 (alleen 201) | Nickel 200 |
| Alloy 201 | 2.4068 | N02201 | 8,89 | LCNi 99 | ASTM B-162 ASME SB-162 | Nickel 201 |
| Alloy 400 | 2.4360 | N04400 | 8,80 | NiCu 30 Fe | ASTM B-127 ASME SB-127 AMS 4544 | Monel® 400 |
| Alloy K-500 | 2.4375 | N05500 | 8,44 | NiCu 30 Al | ASTM B-865 ASME SB-865 AMS 4676 | Monel® K500 |
| Alloy C4 | 2.4610 | N06455 | 8,64 | NiMo 16Cr16Ti | ASTM B-575 ASME SB-575 | Hastelloy® C4 |
| Alloy C22 | 2.4602 | N06022 | 8,96 | NiCr 21 Mo14W | ASTM B-575 ASME SB-575/574 | Hastelloy® C22 |
| Alloy C276 | 2.4819 | N10276 | 8,89 | NiMo 16Cr15W | ASTM B-575 ASME SB-575 | Hastelloy® C276 |
| Alloy 718 | 2.4668 | N07718 | 8,19 | NiCr 19 NbMo | ASTM B-670 AMS 5596 AMS 5597 | Inconel® 718 |
| Alloy 625 | 2.4856 | N06625 | 8,44 | NiCr 22 Mo 9 Nb | ASTM B-443 ASME SB-443 AMS 5599 | Inconel® 625 |
| Alloy 20 | 2.4660 | N08020 | 8,08 | NiCr 20 CuMo | ASTM B-473 ASME SB-473 | Incoloy® 20 |
| Alloy 825 | 2.4858 | N08825 | 8,14 | NiCr 21 Mo | ASTM B-424 ASME SB-424 | Incoloy® 825 |

HEAT RESISTANT ALLOYS

| | Werkst nr. | UNS | Sg g/cm ³ | DIN | Technische specificatie | Tradename |
|--------------|------------|--------|----------------------|-------------------|---------------------------------|----------------|
| Alloy 800 | 1.4876 | N08800 | 7,94 | X10NiCrAlTi 32 20 | ASTM B-409 ASME SB-409 AMS 5871 | Incoloy® 800 |
| Alloy 800 H | 1.4958 | N08810 | 7,94 | X15NiCrAlTi 31 20 | ASTM B-409 ASME SB-409 AMS 5871 | Incoloy® 800H |
| Alloy 800 HT | 1.4959 | N08811 | 7,94 | X8NiCrAlTi 32 21 | ASTM B-409 ASME SB-409 AMS 5871 | Incoloy® 800HT |
| Alloy 600 | 2.4816 | N06600 | 8,47 | NiCr 15 Fe | ASTM B-168 ASME SB-168 AMS 5540 | Inconel® 600 |
| Alloy 601 | 2.4851 | N06601 | 8,11 | NiCr 23 Fe | ASTM B-168 AMS 5870 | Inconel® 601 |
| Alloy X-750 | 2.4669 | N07750 | 8,28 | NiCr 15 Fe 7 TiAl | ASTM B-637 ASME SB-637 AMS 5598 | Inconel® X750 |

LOW THERMAL EXPANSION ALLOY

| | Werkst nr. | UNS | Sg g/cm ³ | DIN | Technische specificatie | Tradename |
|----------|------------|--------|----------------------|--------|-------------------------|-----------------------------------|
| Alloy 36 | 1.3912 | K93600 | 8,11 | FeNi36 | ASTM F30 | Invar® 36, Nilo® 36, Pernifer® 36 |
| Alloy 42 | 1.3917 | K94100 | 8,11 | FeNi42 | ASTM F30 | Invar® 42, Nilo® 42 |
| Alloy K | 1.3981 | K94610 | 8,16 | FeNi29 | ASTM F15 | Invar® K, Nilo® K |



DUPLEX

| AISI | Werkst nr. | UNS | Sg g/cm ³ | Tradename | PREN* min.-max. |
|--------------|------------|--------|----------------------|----------------|-----------------|
| Lean Duplex | 1.4162 | S32101 | 7,80 | 2101 LDX® | 24,5 - 28,6 |
| Lean Duplex | 1.4062 | S32202 | 7,80 | DX2202 | 26,5 |
| Lean Duplex | 1.4362 | S32304 | 7,75 | 2304 | 23,1 - 29,2 |
| Duplex | 1.4462 | S31803 | 7,80 | 2205 | 30,8 - 38,1 |
| Super Duplex | 1.4410 | S32750 | 7,79 | 2507 | >40 |
| Super Duplex | 1.4501 | S32760 | 7,84 | Zeron 100® | >40 |
| Super Duplex | 1.4507 | S32520 | 7,85 | Ferrinox 255® | >40 |
| Super Duplex | 1.4507 | S32550 | 7,81 | Uranus 2507Cu® | >40 |

AUSTENITISCH & SUPER AUSTENITISCH RVS

| AISI | Werkst nr. | UNS | Sg g/cm ³ | Tradename | PREN* min.-max. |
|---------|------------|--------|----------------------|-----------------|-----------------|
| 310/314 | 1.4841 | S31000 | 7,76 | | 24,0 - 26,0 |
| 310S | 1.4845 | S31000 | 7,76 | | 24,0 - 26,0 |
| 321 | 1.4541 | S32000 | 7,90 | | >18,0 |
| 904L | 1.4539 | N08904 | 8,00 | Uranus® B6 | 32,2 - 39,9 |
| 6Mo | 1.4547 | S31254 | 8,00 | 254SMO® AL-6XN® | 42,2 - 47,6 |

PRECIPITATIE HARDEND MARTENSITISCH RVS

| AISI | Werkst nr. | UNS | Sg g/cm ³ | Conditities |
|---------|------------|--------|----------------------|---------------------------|
| 15-5 PH | 1.4545 | S15500 | 7,80 | (A/H1150/H1150+1150/H900) |
| 17-4 PH | 1.4542 | S17400 | 7,80 | (A/H1150/H1150+1150/H900) |

REFRACTORY METALS

| AISI | Werkst nr. | UNS | Sg g/cm ³ | Conditities |
|------------|------------|-----|----------------------|-------------|
| Molybdenum | - | - | 10,20 | Op aanvraag |
| Tantalum | - | - | 16,60 | Op aanvraag |
| Tungsten | - | - | 17,80 - 19,60 | Op aanvraag |
| Niobium | - | - | 8,55 | Op aanvraag |

*PREN = %Cr+3,3xMo%+16x%N

MCB Specials, uw partner in High Performance Alloys

- Uitgebreid (voorraad) programma
- Global sourcing
- Groot leveranciers netwerk
- Korte levertijden

Bewerkingen:

- Voorgedraaid
- Knippen
- Watersnijden, vlg tek (DWG/DXF)
- Plasma/lasersnijden, vlg tek (DWG/DXF)
- Zagen

Materiaal certificering volgens:

- NorSok
- NACE
- PED
- ASME

Advies:

- Technische & metallurgische ondersteuning
- Projectondersteuning

Neem voor specifieke informatie contact op met één van onze productspecialisten.

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