

# Tableau de correspondance des Métaux et Alliages

## Aciers non alliés selon NF EN 10025-2

| NF EN 10025-2 |          | France<br>NFA 35-501-2 | USA |      |      |
|---------------|----------|------------------------|-----|------|------|
| n° matière    | symbole  |                        | UNS | ASTM | AISI |
| 1.0035        | S185     | A 33                   |     |      |      |
| 1.0036        | S235JRG1 |                        |     |      |      |
| 1.0037        | S235JR   | E 24-2                 |     |      |      |
| 1.0038        | S235JRG2 |                        |     |      |      |
| 1.0044        | S275JR   | E 28-2                 |     |      |      |
| 1.0045        | S355JR   | E 36-2                 |     |      |      |
| 1.0050        | E295     | A 50-2                 |     |      |      |
| 1.0060        | E335     | A 60-2                 |     |      |      |
| 1.0070        | E360     | A 70-2                 |     |      |      |
| 1.0114        | S235J0   | E 24-3                 |     |      |      |
| 1.0116        | S235JRG3 | E 24-4                 |     |      |      |
| 1.0117        | S235J2G4 |                        |     |      |      |
| 1.0143        | S275J0   | E 28-3                 |     |      |      |
| 1.0144        | S275J2G3 | E 28-4                 |     |      |      |
| 1.0145        | S275J2G4 |                        |     |      |      |
| 1.0553        | S355J0   | E 36-3                 |     |      |      |
| 1.0570        | S355J2G3 |                        |     |      |      |
| 1.0577        | S355J2G4 |                        |     |      |      |
| 1.0590        | S450J0   |                        |     |      |      |
| 1.0595        | S355K2G3 | E 36-4                 |     |      |      |
| 1.0596        | S355K2G4 |                        |     |      |      |

## Aciers pour trempe et revenu selon NF EN 10083-1

| NF EN 10083-1 |            | France<br>NFA 35-552-1 | USA |      |      |
|---------------|------------|------------------------|-----|------|------|
| n° matière    | symbole    |                        | UNS | ASTM | AISI |
| 1.1149        | C22R       | [XC 18 u]              |     |      |      |
| 1.1151        | C22E       | [XC 18]                |     |      |      |
| 1.1158        | C25E       | [XC 25]                |     |      |      |
| 1.1163        | C25R       | [XC 25 u]              |     |      |      |
| 1.1170        | 28Mn6      |                        |     |      |      |
| 1.1178        | C30E       | [XC 32]                |     |      |      |
| 1.1179        | C30R       | [XC 32 u]              |     |      |      |
| 1.1180        | C35R       | [XC 38 H1u]            |     |      |      |
| 1.1181        | C35E       | [XC 38 H1]             |     |      |      |
| 1.1186        | C40E       | [XC 42 H1]             |     |      |      |
| 1.1189        | C40R       | [XC 42 H1u]            |     |      |      |
| 1.1191        | C45E       | [XC 48 H1]             |     |      |      |
| 1.1201        | C45R       | [XC 48 H1u]            |     |      |      |
| 1.1203        | C55E       | [XC 55 H1]             |     |      |      |
| 1.1206        | C50E       |                        |     |      |      |
| 1.1209        | C55R       | [XC 55 H1u]            |     |      |      |
| 1.1221        | C60E       |                        |     |      |      |
| 1.1223        | C60R       |                        |     |      |      |
| 1.1241        | C50R       |                        |     |      |      |
| 1.6511        | 36CrNiMo4  |                        |     |      |      |
| 1.6580        | 30CrNiMo8  | 30 CND 8               |     |      |      |
| 1.6582        | 34CrNiMo6  |                        |     |      |      |
| 1.6773        | 36NiCrMo16 | 35NCD16                |     |      |      |
| 1.7003        | 38Cr2      | (38 C 2)               |     |      |      |
| 1.7006        | 46Cr2      |                        |     |      |      |

Nuance d'acier entre ( ) : composition légèrement différente de celle de l'EN 10083-1

Nuance d'acier entre [ ] : composition plus largement différente de celle de l'EN 10083-1

# Tableau de correspondance des Métaux et Alliages

## Aciers pour trempe et revenu selon NF EN 10083-1 (suite)

| NF EN 10083-1 |          | France<br>NFA 35-552-1 | USA |      |      |
|---------------|----------|------------------------|-----|------|------|
| n° matière    | symbole  |                        | UNS | ASTM | AISI |
| 1.7023        | 38CrS2   | (38 C 2 u)             |     |      |      |
| 1.7025        | 46CrS2   |                        |     |      |      |
| 1.7033        | 34Cr4    | (32 C 4)               |     |      |      |
| 1.7034        | 37Cr4    | (38 C 4)               |     |      |      |
| 1.7035        | 41Cr4    | 42 C 4                 |     |      |      |
| 1.7037        | 34CrS4   | (32 C 4 u)             |     |      |      |
| 1.7038        | 37CrS4   | (38 C 4 u)             |     |      |      |
| 1.7039        | 41CrS4   | 42 C 4 u               |     |      |      |
| 1.7213        | 25CrMoS4 | 25 CD 4 u              |     |      |      |
| 1.7218        | 25CrMo4  | 25 CD 4                |     |      |      |
| 1.7220        | 34CrMo4  | (34 CD 4)              |     |      |      |
| 1.7225        | 42CrMo4  | 42 CD 4                |     |      |      |
| 1.7226        | 34CrMoS4 | (34 CD 4 u)            |     |      |      |
| 1.7227        | 42CrMoS4 | 42 CD 4 u              |     |      |      |
| 1.7228        | 50CrMo4  |                        |     |      |      |
| 1.8159        | 51CrV4   | (50 CV 4)              |     |      |      |

Nuance d'acier entre ( ) : composition légèrement différente de celle de l'EN 10083-1

Nuance d'acier entre [ ] : composition plus largement différente de celle de l'EN 10083-1

## Aciers pour trempe et revenu selon NF EN 10083-2

| NF EN 10083-2 |         | France<br>NFA 35-552-2 | USA |      |      |
|---------------|---------|------------------------|-----|------|------|
| n° matière    | symbole |                        | UNS | ASTM | AISI |
| 1.0402        | C22     |                        |     |      |      |
| 1.0406        | C25     |                        |     |      |      |
| 1.0528        | C30     | [AF 50 C 30]           |     |      |      |
| 1.0501        | C35     | [AF 55 C 35]           |     |      |      |
| 1.0511        | C40     | [AF 60 C 40]           |     |      |      |
| 1.0503        | C45     | [AF 65 C 45]           |     |      |      |
| 1.0540        | C50     |                        |     |      |      |
| 1.0535        | C55     | [AF 70 C 55]           |     |      |      |
| 1.0601        | C60     |                        |     |      |      |

Nuance d'acier entre [ ] : composition plus largement différente de celle de l'EN 10083-1

## Aciers pour cémentation selon NF EN 10084

| NF EN 10084 |             | France<br>NFA 35-551 | USA |      |      |
|-------------|-------------|----------------------|-----|------|------|
| n° matière  | symbole     |                      | UNS | ASTM | AISI |
| 1.1121      | C10E        | XC 10                |     |      |      |
| 1.1141      | C15E        |                      |     |      |      |
| 1.1148      | C16E        | XC 18                |     |      |      |
| 1.1207      | C10R        |                      |     |      |      |
| 1.1208      | C16R        |                      |     |      |      |
| 1.5805      | 10NiCr5-4   | 10NC6                |     |      |      |
| 1.5810      | 18NiCr5-4   | 20NC6                |     |      |      |
| 1.6523      | 20NiCrMo2-2 | 20NCD2               |     |      |      |
| 1.6566      | 17NiCrMo6-4 | 18NCD6               |     |      |      |
| 1.7016      | 17Cr3       |                      |     |      |      |
| 1.7131      | 16MnCr5     | 16MC5                |     |      |      |
| 1.7139      | 16MnCrS5    |                      |     |      |      |
| 1.7147      | 20MnCr5     | 20MC5                |     |      |      |
| 1.7149      | 20MnCrS5    |                      |     |      |      |
| 1.7243      | 18CrMo4     | 18CD4                |     |      |      |

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## Aciers doux laminé à chaud selon NF EN 10111

| NF EN 10111 |         | France<br>NFA 36-301 | USA |      |      |
|-------------|---------|----------------------|-----|------|------|
| n° matière  | symbole |                      | UNS | ASTM | AISI |
| 1.0332      | DD11    | 1C                   |     |      |      |
| 1.0335      | DD13    | 3C                   |     |      |      |
| 1.0389      | DD14    | 3CT                  |     |      |      |
| 1.0398      | DD12    |                      |     |      |      |

## Aciers doux laminé à froid selon NF EN 10130

| NF EN 10130 |         | France<br>NFA 36-401 | USA |      |      |
|-------------|---------|----------------------|-----|------|------|
| n° matière  | symbole |                      | UNS | ASTM | AISI |
| 1.0330      | DC01    | C                    |     |      |      |
| 1.0312      | DC05    |                      |     |      |      |
| 1.0338      | DC04    | ES                   |     |      |      |
| 1.0347      | DC03    | E                    |     |      |      |
| 1.0873      | DC06    |                      |     |      |      |

## Aciers pour cémentation laminé à froid selon NF EN 10132-2

| NF EN 10132-2 |         | France | USA |      |      |
|---------------|---------|--------|-----|------|------|
| n° matière    | symbole |        | UNS | ASTM | AISI |
| 1.1121        | C10E    | XC10   |     |      |      |
| 1.1141        | C15E    |        |     |      |      |
| 1.7016        | 17Cr3   |        |     |      |      |
| 1.7131        | 16MnCr5 | 16MC5  |     |      |      |

## Aciers pour trempe et revenu laminé à froid selon NF EN 10132-3

| NF EN 10132-3 |         | France | USA |      |      |
|---------------|---------|--------|-----|------|------|
| n° matière    | symbole |        | UNS | ASTM | AISI |
| 1.1151        | C22E    | XC18   |     |      |      |
| 1.1177        | 25Mn4   |        |     |      |      |
| 1.1178        | C30E    | XC32   |     |      |      |
| 1.1181        | C35E    | XC38H1 |     |      |      |
| 1.1186        | C40E    | XC42H1 |     |      |      |
| 1.1191        | C45E    | XC48H1 |     |      |      |
| 1.1203        | C55E    | XC55H1 |     |      |      |
| 1.1206        | C50E    |        |     |      |      |
| 1.1221        | C60E    |        |     |      |      |
| 1.7218        | 25CrMo4 | 25CD4  |     |      |      |
| 1.7220        | 34CrMo4 | 34CD4  |     |      |      |
| 1.7225        | 42CrMo4 | 42CD4  |     |      |      |

## Aciers à ressort laminé à froid selon NF EN 10132-4

| NF EN 10132-4 |         | France | USA |      |      |
|---------------|---------|--------|-----|------|------|
| n° matière    | symbole |        | UNS | ASTM | AISI |
| 1.1204        | C55S    | C55RR  |     |      |      |
| 1.1211        | C60S    | C60RR  |     |      |      |
| 1.1217        | C90S    | C90RR  |     |      |      |
| 1.1224        | C125S   | C125RR |     |      |      |
| 1.1231        | C67S    | C68RR  |     |      |      |
| 1.1248        | C75S    | C75RR  |     |      |      |
| 1.1269        | C85S    |        |     |      |      |
| 1.1274        | C100S   | C100RR |     |      |      |
| 1.2002        | 125Cr2  |        |     |      |      |

# Tableau de correspondance des Métaux et Alliages

## Aciers pour trempe et revenu laminé à froid selon NF EN 10132-4 (suite)

| NF EN 10132-4 |         | France   | USA |      |      |
|---------------|---------|----------|-----|------|------|
| n° matière    | symbole |          | UNS | ASTM | AISI |
| 1.2067        | 102Cr6  | 100Cr6RR |     |      |      |
| 1.2235        | 80CrV2  |          |     |      |      |
| 1.5021        | 48Si7   | 46Si7    |     |      |      |
| 1.5026        | 56Si7   | 55Si7RR  |     |      |      |
| 1.5634        | 75Ni8   | 75Ni8RR  |     |      |      |
| 1.8059        | 51CrV4  | 51CrV4   |     |      |      |

## Aciers inoxydables ferritiques selon NF EN 10088-1

| NF EN 10088-1 |              | France   | USA    |      |      |
|---------------|--------------|----------|--------|------|------|
| n° matière    | symbole      |          | UNS    | ASTM | AISI |
| 1.4000        | X6Cr13       |          | S41008 |      | 410S |
| 1.4002        | X6CrAl13     |          | S40500 |      | 405  |
| 1.4003        | X2CrNi12     |          | S40300 |      | 403  |
| 1.4016        | X6Cr17       | Z 8 C 17 | S43000 |      | 430  |
| 1.4017        | X6CrNi17-1   |          |        |      |      |
| 1.4113        | X6CrMo17-1   |          | S43400 |      | 434  |
| 1.4510        | X3CrTi17     |          | S43035 |      | 439  |
| 1.4511        | X3CrNb17     |          |        |      |      |
| 1.4512        | X2CrTi12     |          | S40900 |      | 409  |
| 1.4513        | X2CrMoTi17-1 |          |        |      |      |
| 1.4516        | X6CrNiTi12   |          | S41400 |      | 414  |
| 1.4520        | X2CrTi17     |          |        |      |      |
| 1.4521        | X2CrMoTi18-2 |          |        |      |      |
| 1.4526        | X6CrMoNb17-1 |          |        |      |      |

## Aciers inoxydables martensitiques selon NF EN 10088-1

| NF EN 10088-1 |                  | France<br>NFA 35-572 | USA    |      |          |
|---------------|------------------|----------------------|--------|------|----------|
| n° matière    | symbole          |                      | UNS    | ASTM | AISI     |
| 1.4005        | X12CrS13         | Z 11 CF 13           | S41600 |      | 416      |
| 1.4006        | X12Cr13          | Z10C13/Z13C13        | S41000 |      | 410      |
| 1.4021        | X20Cr13          | Z 20 C 13            |        |      |          |
| 1.4028        | X30Cr13          | Z 33 C 13            | S42000 |      | 420      |
| 1.4029        | X29CrS13         |                      | S42020 |      | 420F     |
| 1.4031        | X39Cr13          |                      |        |      |          |
| 1.4034        | X46Cr13          |                      |        |      |          |
| 1.4057        | X17CrNi16-22     | Z 15 CN 16-02        | S43100 |      | 431      |
| 1.4104        | X14CrMoS17       |                      |        |      |          |
| 1.4105        | X6CrMoS17        |                      | S43020 |      | 430F     |
| 1.4109        | X70CrMo15        |                      |        |      |          |
| 1.4112        | X90CrMoV18       |                      |        |      |          |
| 1.4116        | X50CrMoV15       |                      |        |      |          |
| 1.4122        | X39CrMo17-1      |                      |        |      |          |
| 1.4125        | X105CrMo17       |                      |        |      | 440C     |
| 1.4313        | X3CrNiMo13-4     |                      |        |      |          |
| 1.4418        | X4CrNiMo16-5-1   | Z 6 CND 16-05-01     |        |      |          |
| 1.4532        | X8CrNiMoAl15-7-2 |                      | S15700 |      | PH15.7Mo |
| 1.4542        | X5CrNiCuNb16-4   | Z 7 CNU 16-04        | S17400 |      | 630      |
| 1.4568        | X7CrNiAl17-7     |                      | S17780 |      | 17.7PH   |
| 1.4594        | X5CrNiMoCuNb14-5 |                      |        |      |          |

# Tableau de correspondance des Métaux et Alliages

## Aciers inoxydables austénitiques selon NF EN 10088-1

| NF EN 10088-1 |                    | France            | USA    |      |           |
|---------------|--------------------|-------------------|--------|------|-----------|
| n° matière    | symbole            |                   | UNS    | ASTM | AISI      |
| 1.4301        | X5CrNi18-10        | Z 7 CN 18-09      | S30400 |      | 304       |
| 1.4303        | X4CrNi18-12        | Z 5 CN 18-11 FF   | S30500 |      | 305       |
| 1.4305        | X8CrNiS18-9        | Z 8 CNF 18-09     | S30300 |      | 303       |
| 1.4306        | X2CrNi19-11        |                   | S30403 |      | 304L      |
| 1.4307        | X2CrNi18-9         | Z 3 CN 19-09      | S30403 |      | 304L      |
| 1.4310        | X10CrNi18-8        | Z 11 CN 17-08     | S30100 |      | 301       |
| 1.4311        | X2CrNi18-10        |                   | S30453 |      | 304LN     |
| 1.4318        | X2CrNi18-7         |                   |        |      |           |
| 1.4335        | X1CrNi25-21        |                   | S31008 |      | 310S      |
| 1.4361        | X1CrNiSi18-15-4    |                   | S30600 |      | 18.15     |
| 1.4371        | X2CrMnNiN17-7-5    |                   |        |      |           |
| 1.4372        | X12CrMnNiN17-7-5   | Z 12 CMN 17-07 Az | S20100 |      | 201       |
| 1.4373        | X12CrMnNiN18-9-5   |                   | S20200 |      | 202       |
| 1.4401        | X5CrNiMo17-12-2    | Z7CND17-12-02     | S31600 |      | 316       |
| 1.4404        | X2CrNiMo17-12-2    | Z 3 CND 17-11-02  | S31603 |      | 316L      |
| 1.4404 RCCM   | X2CrNiMo17-12-2    | Z 3 CND 17-12-02  |        |      | 316L RCCM |
| 1.4406        | X2CrNiMoN17-11-2   |                   | S31653 |      | 316LN     |
| 1.4429        | X6CrNiMoN17-13-3   | Z 3 CND 17-12 Az  |        |      |           |
| 1.4432        | X2CrNiMo17-12-3    |                   |        |      |           |
| 1.4434        | X2CrNiMoN18-12-4   |                   | S31753 |      | 317LN     |
| 1.4435        | X2CrNiMo18-14-3    | Z 3 CND 18-14-03  |        |      |           |
| 1.4436        | X3CrNiMo17-13-3    | Z 7 CND 18-12-03  |        |      |           |
| 1.4438        | X2CrNiMo18-15-4    |                   | S31703 |      | 317L      |
| 1.4439        | X2CrNiMoN17-13-5   |                   | S31726 |      | 317L4     |
| 1.4466        | X1CrNiMoN25-22-2   |                   | S31050 |      | 310MoLN   |
| 1.4537        | X1CrNiMoCuN25-25-5 |                   | N08932 |      | URSB8     |
| 1.4539        | X1NiCrMoCu25-20-5  | Z 2 NCDU 25-20    | N08904 |      | 904L      |
| 1.4541        | X6CrNiTi18-10      | Z 6 CNT 18-10     | S32100 |      | 321       |
| 1.4550        | X6CrNiNb18-10      | Z 6 CNNb 18-10    | S34700 |      | 347       |
| 1.4560        | X3CrNiCu19-9-2     |                   |        |      |           |
| 1.4563        | X1NiCrMoCu31-27-4  |                   |        |      |           |
| 1.4567        | X3CrNiCu18-9-4     | Z 3 CNU 18-10     | S30430 |      | XM7       |
| 1.4570        | X6CrNiCuS18-9-2    |                   |        |      |           |
| 1.4571        | X6CrNiMoTi17-12-2  | Z 6 CNDT 17-12    | S31635 |      | 316Ti     |
| 1.4578        | X3CrNiCu17-11-3-2  |                   |        |      |           |
| 1.4580        | X6CrNiMoNb17-12-2  |                   | S31640 |      | 316Cb     |

## Aciers inoxydables austéno-ferritiques selon NF EN 10088-1

| NF EN 10088-1 |                    | France            | USA    |      |                |
|---------------|--------------------|-------------------|--------|------|----------------|
| n° matière    | symbole            |                   | UNS    | ASTM | AISI           |
| 1.4362        | X2CrNiN23-4        |                   | S32304 |      | SAE2304        |
| 1.4410        | X2CrNiMoN25-7-4    |                   | S32750 |      | 2507           |
| 1.4460        | X3CrNiMoN27-5-2    | Z 5 CND 27-05 Az  | S32950 |      | 7Mo+           |
| 1.4462        | X2CrNiMoN22-5-3    | Z 3 CND 22-05 Az  | S31803 |      | 2205           |
| 1.4501        | X2CrNiMoCuWN25-7-4 |                   | S32760 |      | Zeron 100      |
| 1.4507        | X2CrNiMoCuN25-6-3  | Z 3 CNDU 25-07 Az | S32550 |      | Ferrallium 255 |

# Tableau de correspondance des Métaux et Alliages

## Aciers et alliages de nickel réfractaires selon NF EN 10095

| NF EN 10095 |                   | France<br>NFA 35-584 | USA    |      |               |
|-------------|-------------------|----------------------|--------|------|---------------|
| n° matière  | symbole           |                      | UNS    | ASTM | AISI          |
| 1.4713      | X10CrAlSi7        |                      | S50300 |      | 503           |
| 1.4762      | X10CrAlSi25       |                      | S44600 |      | 446           |
| 1.4818      | X6CrNiSiNc19-10   |                      | S30415 |      |               |
| 1.4828      | X15CrNiSi20-12    | Z 17 CNS 20-12       |        |      | 309           |
| 1.4833      | X12CrNi23-13      | Z 15 CN 23-13        | S30900 |      | 309S          |
| 1.4835      | X9CrNiSiNc21-11-2 |                      | S30815 |      | 253MA         |
| 1.4841      | X15CrNiSi25-21    | Z 15 CNS 25-20       | S31400 |      | 314           |
| 1.4845      | X8CrNi25-21       | Z 8 CN 25-20         | S31008 |      | 310S          |
| 1.4854      | X6NiCrSiNc35-52   |                      | S35315 |      |               |
| 1.4876      | X10NiCrAlTi32-21  |                      | N08800 |      | Incolloy® 800 |
| 1.4877      | X6NiNbCe32-27     |                      | S33228 |      |               |
| 1.4878      | X8CrNi18-10       |                      | S32100 |      | 321           |
| 2.4816      | NiCr15Fe          | NC 15 Fe             | N06600 |      | Inconel® 600  |
| 2.4851      | NiCr23Fe          |                      | N06601 |      | Inconel® 601  |
| 2.4856      | NiCr22Mo9Nb       | NC 22 DNb            | N06625 |      | Inconel® 625  |

## Aciers pour boulonnerie pour brides NFE 29043 (équivalence)

| Désignation européenne            |                  |                 | USA |             |      |
|-----------------------------------|------------------|-----------------|-----|-------------|------|
| Norme de ref.<br>analyse chimique | France           | Allemagne       | UNS | ASTM        | AISI |
| NF A 35-558                       | 25 CD 4          | 24CrMo 5        |     |             |      |
| NF A 35-559                       | 25 CD 4          | 24CrMo 5        |     |             |      |
|                                   | 45 D 3           |                 |     | A194 Gr4    |      |
| NF A 33-101                       | AF 65 C 45       | C45             |     | A194 2H     |      |
| NF A 35-558                       | 15 CD 4-05       | 13CrMo 4.4      |     | A387 Gr2c12 |      |
| NF A 35-557                       | 42 CD 4          | 42CrMo 4        |     | A193 B7     |      |
| NF A 35-559                       | 42 CD 4          | 42CrMo 4        |     | A320 L7     |      |
| NF A 35-558                       | 20 CDV 5-07      | 21CrMoV5.7      |     |             |      |
| NF A 35-558                       | 42 CDV 4         | 40CrMoV4.7      |     | A193 B16    |      |
|                                   | 40 NCD 7-03      | 40NiCrMo 6      |     | A320 L43    | 4340 |
|                                   | 40 NCD 7-03      | 40NiCrMo 6      |     | A540 B24    | 4340 |
| NF A 35-558                       | Z 12 C 13        | X 10 Cr13       |     | A193 B6     | 410  |
| NF A 35-558                       | Z 15 CD 5-05     |                 |     | A195 B5     | -    |
|                                   |                  |                 |     | A194 Gr3    | 501  |
| NF A 35-558                       | Z 20 CDNbV 11    | X19CrMoVNbN11.1 |     |             |      |
| NF A 35-559 et 35-574             | Z 2 CN 18-10     | X2CrNi 19.11    |     |             | 304L |
| NF A 35-559 et 35-574             | Z 6 CN 18-09     | X5CrNi 18.10    |     | A193 B8     | 304  |
| NF A 35-559 et 35-578             | Z 12 CN 25-20    | X12CrNi 25.21   |     |             | 310  |
| NF A 35-558                       | Z 6 CND 16-04    |                 |     |             |      |
| NF A 35-574                       | Z 7 CND 17-11-02 | X5CrNiMo17.12.2 |     | A193 B8M    | 316  |
| NF A 35-574                       | Z 3 CND 17-11-02 | X2CrNiMo17.13.3 |     |             | 316L |
| NF A 35-559 et 35-574             | Z 6 CNT 18-10    | X6CrNiTi18.09   |     | A193 B8T    | 321  |
| NF A 35-558                       | Z 6 CNU 17-04    | X5CrNiCuNb17.4  |     | A564 Gr630  | 630  |
| NF A 35-559                       | Z 8 N 09         | X8Ni9           |     | A553        |      |
| NF A 35-558                       | Z 6 NCTDV 25-15  | X5NiCrTi26.15   |     | A453 Gr660  | 660  |

# Tableau de correspondance des Métaux et Alliages

| Alloy         |                  |            |        |      |                  |
|---------------|------------------|------------|--------|------|------------------|
| n° matière    | symbole          | France     | USA    |      | Dénomination     |
|               |                  |            | UNS    | ASTM |                  |
| 2.4066        | Ni99.2           | Ni 99.2    | N02200 |      | Nickel 200       |
| 2.4068        | LCNi99           | LC-Ni 99   | N02201 |      | Nickel 201       |
| 2.4360        | NiCu30Fe         | Nu30       | N04400 |      | Monel® 400       |
| 2.4375        | NiCu30Al         | Nu 30 AT   | N05500 |      | Nickel K500      |
| 2.4600        | NiMo29Cr         | -          | N10629 |      | Hastelloy® B3    |
| 2.4602        | NiCr21Mo14W      | -          | N06022 |      | Hastelloy® C22   |
| 2.4605        | NiCr23Mo16Al     | -          | N06059 |      | Alloy 59         |
| 2.4610        | NiMo16Cr16Ti     | -          | N06455 |      | Hastelloy® C4    |
| 2.4617        | NiMo28           | -          | N10665 |      | Hastelloy® B2    |
| 2.4619        | NiCr22Mo7Cu      | -          | N06985 |      | Hastelloy® G3    |
| 2.4630/2.4951 | NiCr20Ti         | NC 20 T    | N06075 |      | Hastelloy® 75    |
| 2.4631/2.4952 | NiCr20TiAl       | NC 20 TA   | N07080 |      | Nimonic® 80A     |
| 2.4632/2.4969 | NiCr20Co18Ti     | NCK 20 TA  | N07090 |      | Nimonic® 90      |
| 2.4633        | NiCr25FeAlY      | -          | N06985 |      | Alloy 602        |
| 2.4634        | NiCo20Cr15MoAlTi | -          | N13021 |      | Nimonic® 105     |
| 2.4660        | NiCr20CuMo       | -          | N08020 |      | Nicrofer® 3620Nb |
| 2.4663        | NiCr23Co12Mo     | -          | N06617 |      | Inconel® 617     |
| 2.4668        | NiCr19NbMo       | NC 19 FeNb | N07718 |      | Inconel® 718     |
| 2.4669        | NiCr15Fe7TiAl    | NC 15 FeT  | N07750 |      | Inconel® X-750   |
| 2.4816        | NiCr15Fe         | -          | N06600 |      | Inconel® 600     |
| 2.4819        | NiMo16Cr15W      | NiMo16Cr15 | N10276 |      | Hastelloy® C276  |
| 2.4851        | NiCr23Fe         | -          | N06601 |      | Inconel® 601     |
| 2.4856        | NiCr22Mo9Nb      | -          | N06625 |      | Inconel® 625     |
| 2.4858        | NiCr21Mo         | -          | N08825 |      | Incoloy® 825     |
| 2.4889        | NiCr28FeSiCe     | -          | N06045 |      | Alloy 45TM       |

| Aluminium selon NF EN 573-1 |              |        |     |      |      |
|-----------------------------|--------------|--------|-----|------|------|
| NF EN 573-1                 |              | France | USA |      |      |
| n° matière                  | symbole      |        | UNS | ASTM | AISI |
| 3.0205                      | Al99.0       | 1200   |     |      |      |
| 3.0255                      | Al99.5       | 1050A  |     | 1050 |      |
| 3.0275                      | Al99.7       | 1070A  |     | 1050 |      |
| 3.0285                      | Al99.8       | 1080   |     | 1080 |      |
| 3.0505                      | AlMn0.5Mg0.5 | 3105   |     | 3105 |      |
| 3.0525                      | AlMnMg0.5    | 3005   |     | 3005 |      |
| 3.0526                      | AlMn1Mg1     | 3004   |     | 3001 |      |
| 3.1255                      | AlCu4SiMg    | 2014   |     | 2014 |      |
| 3.1325                      | AlCu4MgSi    | 2017A  |     | 2017 |      |
| 3.1355                      | AlCu4Mg1     | 2024   |     | 2024 |      |
| 3.1517                      | AlMn1Cu      | 3003   |     | 3003 |      |
| 3.1655                      | AlCu6BiPb    | 2011   |     | 2011 |      |
| 3.2315                      | AlSi1Mg      | 6082   |     | 6082 |      |
| 3.3206                      | AlMgSi       | 6060   |     | 6063 |      |
| 3.3210                      | AlSiMg       | 6005A  |     |      |      |
| 3.3211                      | AlMg1SiCu    | 6061   |     | 6061 |      |
| 3.3523                      | AlMg2.5      | 5052   |     | 5052 |      |
| 3.3525                      | AmMg2        | 5251   |     |      |      |
| 3.3535                      | AlMg3        | 5754   |     |      |      |
| 3.3537                      | AlMg3Mn      | 5454   |     | 5454 |      |
| 3.3545                      | AlMg4        | 5086   |     | 5086 |      |
| 3.3547                      | AlMg4.5Mn    | 5083   |     | 5083 |      |

# Tableau de correspondance des Métaux et Alliages

## Aluminium selon NF EN 573-1 (suite)

| NF EN 573-1 |            | France | USA |      |      |
|-------------|------------|--------|-----|------|------|
| n° matière  | symbole    |        | UNS | ASTM | AISI |
| 3.3555      | AlMg5      | 5056A  |     | 5056 |      |
| 3.4335      | AlZn4,5Mg1 | 7020   |     | 7005 |      |
| 3.4365      | AlZn6MgCu  | 7075   |     | 7075 |      |

## Bronze

| n° matière | symbole | France | USA |        |      |
|------------|---------|--------|-----|--------|------|
|            |         |        | UNS | ASTM   | AISI |
| 2.1016     | CuSn4   | CuSn4P |     | C51100 |      |
| 2.1020     | CuSn6   | CuSn6P |     | C51900 |      |
| 2.1030     | CuSn8   | CuSn9P |     | C52100 |      |

## Cuivre

| n° matière | symbole | France | USA    |      |      |
|------------|---------|--------|--------|------|------|
|            |         |        | UNS    | ASTM | AISI |
| 2.0060     | Cu-ETP  | Cu-a1  | C11000 |      |      |
| 2.0090     | Cu-DHP  | Cu-b1  | C12200 |      |      |
| 2.0076     | Cu-DLP  | Cu-b2  | C12000 |      |      |
| 2.0040     | Cu-OF   | Cu-c2  | C10100 |      |      |

## Laiton

| n° matière | symbole | France | USA    |      |      |
|------------|---------|--------|--------|------|------|
|            |         |        | UNS    | ASTM | AISI |
| 2.0321     | CuZn37  | CuZn37 | C27200 |      |      |
| 2.0220     | CuZn5   | CuZn5  | C21000 |      |      |
| 2.0230     | CuZn10  | CuZn10 | C22000 |      |      |
| 2.0240     | CuZn15  | CuZn15 | C2300  |      |      |
| 2.0250     | CuZn20  | CuZn20 | C24000 |      |      |
| 2.0261     | CuZn28  | CuZn28 |        |      |      |
| 2.0265     | CuZn30  | CuZn30 | C26000 |      |      |
| 2.0280     | CuZn33  | CuZn33 | C26800 |      |      |
| 2.0335     | CuZn36  | CuZn36 | C27000 |      |      |
| 2.0360     | CuZn40  | CuZn40 |        |      |      |

## Titane

| n° matière | symbole | France      | USA    |      |      |
|------------|---------|-------------|--------|------|------|
|            |         |             | UNS    | ASTM | AISI |
| 3.7035     | Ti 99.7 | Titan Gr. 2 | R50400 |      |      |