

# INTERNATIONAL STANDARD CONVERTERINGS TABEL FOR STAINLESS STEEL

Including Chemical Composition & Mechanical Properties

| U.S.A. | GERMANY                          | GERMANY          | FRANCE          | JAPAN      | ITALY            | SWEDEN | U.K.             | E.U.                  | SPAIN               | RUSSIA                 |
|--------|----------------------------------|------------------|-----------------|------------|------------------|--------|------------------|-----------------------|---------------------|------------------------|
| AISI   | DIN 17006                        | W.N.<br>17007    | AFNOR           | JIS        | UNI              | SIS    | BSI              | EURONORM              | UNE                 | GOST                   |
| 201    |                                  |                  |                 | SUS 201    |                  |        |                  |                       |                     |                        |
| 301    | X 12 CrNi 17 7                   | 1.4310           | Z 12 CN 17-07   | SUS 301    | X 12 CrNi 1707   | 23 31  | 301S21           | X 12 CrNi 17 7        | X 12 CrNi 17-07     |                        |
| 302    | X 5 CrNi 18 7                    | 1.4319           | Z 10 CN 18-09   | SUS 302    | X 10 CrNi 1809   | 23 31  | 302S25           | X 10 CrNi 18 9        | X 10 CrNi 18-09     | 12KH18N9               |
| 303    | X 10 CrNiS 18 9                  | 1.4305           | Z 10 CNF 18-09  | SUS 303    | X 10 CrNiS 1809  | 23 46  | 303S21           | X 10 CrNiS 18 9       | X 10 CrNiS 18-09    |                        |
| 303 Se |                                  |                  | Z 10 CNF 18-09  | SUS 303 Se | X 10 CrNiS 1809  |        | 303S41           |                       | X 10 CrNiS 18-09    | 12KH18N10E             |
| 304    | X 5 CrNi 18 10<br>X 5 CrNi 18 12 | 1.4301<br>1.4303 | Z 6 CN 18-09    | SUS 304    | X 5 CrNi 1810    | 23 32  | 304S15<br>304S16 | X 6 CrNi 18 10        | X 6 CrNi 19-10      | 08KH18N10<br>06KH18N11 |
| 304 N  |                                  |                  |                 | SUS 304N1  | X 5 CrNiN 1810   |        |                  |                       |                     |                        |
| 304 H  |                                  |                  |                 | SUS F 304H | X 8 CrNi 1910    |        |                  |                       | X 6 CrNi 19-10      |                        |
| 304 L  | X 2 CrNi 18 11                   | 1.4306           | Z 2 CN 18-10    | SUS 304L   | X 2 CrNi 1911    | 23 52  | 304S11           | X 3 CrNi 18 10        | X 2 CrNi 19-10      | 03KH18N11              |
|        | X 2 CrNiN 18 10                  | 1.4311           | Z 2 CN 18-10-Az | SUS 304LN  | X 2 CrNiN 1811   | 23 71  |                  |                       |                     |                        |
| 305    |                                  |                  | Z 8 CN 18-12    | SUS 305    | X 8 CrNi 1812    | 23 33  | 305S19           | X 8 CrNi 18 12        | X 8 CrNi 18-12      |                        |
|        |                                  |                  | Z 6 CNU 18-10   | SUS XM7    |                  |        |                  | X 6 CrNiCu 18 10 4 Kd |                     |                        |
| 309    | X 15 CrNiS 20 12                 | 1.4828           | Z 15 CN 24-13   | SUH 309    | X 16 CrNi 2314   |        | 309S24           | X 15 CrNi 23 13       |                     |                        |
| 309 S  |                                  |                  |                 | SUS 309S   | X 6 CrNi 2314    |        |                  | X 6 CrNi 22 13        |                     |                        |
| 310    | X 12 CrNi 25 21                  | 1.4845           |                 | SUH 310    | X 22 CrNi 2520   |        | 310S24           |                       |                     | 20KH23N18              |
| 310 S  | X 12 CrNi 25 20                  | 1.4842           | Z 12 CN 25-20   | SUS 310S   | X 5 CrNi 2520    | 23 61  |                  | X 6 CrNi 25 20        |                     | 10KH23N18              |
| 314    | X 15 CrNiSi 25 20                | 1.4841           | Z 12 CNS 25-20  |            | X 16 CrNiSi 2520 |        |                  | X 15 CrNiSi 25 20     |                     | 20KH25N20S2            |
| 316    | X 5 CrNiMo 17 12 2               | 1.4401           | Z 6 CND 17-11   | SUS 316    | X 5 CrNiMo 1712  | 23 47  | 316S31           | X 6 CrNiMo 17 12 2    | X 6 CrNiMo 17-12-03 |                        |
| 316    | X 5 CrNiMo 17 13 3               | 1.4436           | Z 6 CND 17-12   | SUS 316    | X 5 CrNiMo 1713  | 23 43  | 316S33           | X 6 CrNiMo 17 13 3    | X 6 CrNiMo 17-12-03 |                        |
| 316 F  | X 12 CrNiMoS 18 11               | 1.4427           |                 |            |                  |        |                  |                       |                     |                        |
| 316 N  |                                  |                  |                 | SUS 316N   |                  |        |                  |                       |                     |                        |
| 316 H  |                                  |                  |                 | SUS F 316H | X 8 CrNiMo 1712  |        |                  |                       | X 5 CrNiMo 17-12    |                        |
| 316 H  |                                  |                  |                 |            | X 8 CrNiMo 1713  |        |                  |                       | X 6 CrNiMo 17-12-03 |                        |

|          |   |                            |                      |               |                         |       |        |                          |                             |                              |
|----------|---|----------------------------|----------------------|---------------|-------------------------|-------|--------|--------------------------|-----------------------------|------------------------------|
| 316 L    | X 2 CrNiMo 17<br>13 2                   | 1.4404                     | Z 2 CND 17-<br>12    | SUS 316L      | X 2<br>CrNiMo<br>1712   | 23 48 | 316S11 | X 3 CrNiMo 17<br>12 2    | X 2<br>CrNiMo<br>17-12-03   | 03KH17N14M2                  |
|          | X 2 CrNiMoN 17<br>12 2                  | 1.4406                     | Z 2 CND 17-<br>12-Az | SUS<br>316LN  | X 2<br>CrNiMoN<br>1712  |       |        |                          |                             |                              |
| 316 L    | X 2 CrNiMo 18<br>14 3                   | 1.4435                     | Z 2 CND 17-<br>13    |               | X 2<br>CrNiMo<br>1713   | 23 53 | 316S13 | X 3 CrNiMo 17<br>13 3    | X 2<br>CrNiMo<br>17-12-03   | 03KH16N15M3                  |
|          | X 2 CrNiMoN 17<br>13 3                  | 1.4429                     | Z 2 CND 17-<br>13-Az |               | X 2<br>CrNiMoN<br>1713  | 23 75 |        |                          |                             |                              |
|          | X 6 CrNiMoTi<br>17 12 2                 | 1.4571                     | Z6 CNDT 17-<br>12    |               | X 6<br>CrNiMoTi<br>1712 | 23 50 | 320S31 | X 6 CrNiMoTi 17<br>12 2  | X 6<br>CrNiMoTi<br>17-12-03 | 08KH17N13M2T<br>10KH17N13M2T |
|          | X 10 CrNiMoTi<br>18 12                  | 1.4573                     |                      |               | X 6<br>CrNiMoTi<br>1713 |       | 320S33 | X 6 CrNiMoTi 17<br>13 3  | X 6<br>CrNiMoTi<br>17-12-03 | 08KH17N13M2T<br>10KH17N13M2T |
|          | X 6 CrNiMoNb<br>17 12 2                 | 1.4580                     | Z 6 CNDNb<br>17-12   |               | X 6<br>CrNiMoNb<br>1712 |       |        | X 6 CrNiMoNb<br>17 12 2  |                             | 08KH16N13M2B                 |
|          | X 10 CrNiMoNb<br>18 12                  | 1.4583                     |                      |               | X 6<br>CrNiMoNb<br>1713 |       |        | X 6 CrNiMoNb<br>17 13 3  |                             | 09KH16N15M3B                 |
| 317      |   |                            |                      | SUS 317       | X 5<br>CrNiMo<br>1815   | 23 66 | 317S16 |                          |                             |                              |
| 317 L    | X 2 CrNiMo 18<br>16 4                   | 1.4438                     | Z 2 CND 19-<br>15    | SUS 317L      | X 2<br>CrNiMo<br>1815   | 23 67 | 317S12 | X 3 CrNiMo 18<br>16 4    |                             |                              |
| 317 L    | X 2 CrNiMo 18<br>16 4                   | 1.4438                     | Z 2 CND 19-<br>15    | SUS 317L      | X 2<br>CrNiMo<br>1816   | 23 67 | 317S12 | X 3 CrNiMo 18<br>16 4    |                             |                              |
| 330      | X 12 NiCrSi 36<br>16                    | 1.4864                     | Z 12NCS 35-<br>16    | SUH 330       |                         |       |        |                          |                             |                              |
| 321      | X 6 CrNiTi 18<br>10<br>X 12 CrNiTi 18 9 | 1.4541<br>1.4878           | Z 6 CNT 18-<br>10    | SUS 321       | X 6<br>CrNiTi<br>1811   | 23 37 | 321S31 | X 6 CrNiTi 18 10         | X 6 CrNiTi<br>18-11         | 08KH18N10T                   |
| 321 H    |   |                            |                      | SUS<br>321H   | X 8<br>CrNiTi<br>1811   |       | 321S20 |                          | X 7 CrNiTi<br>18-11         | 12KH18N10T                   |
| 329      | X 8 CrNiMo 27<br>5                      | 1.4460                     |                      | SUS<br>329J1  |                         | 23 24 |        |                          |                             |                              |
| 347      | X 6 CrNiNb 18<br>10                     | 1.4550                     | Z 6 CNNb<br>18-10    | SUS 347       | X 6<br>CrNiNb<br>1811   | 23 38 | 347S31 | X 6 CrNiNb 18<br>10      | X 6<br>CrNiNb<br>18-<br>11  | 08KH18N12B                   |
| 347 H    |   |                            |                      | SUS F<br>347H | X 8<br>CrNiNb<br>1811   |       |        |                          | X 7<br>CrNiNb<br>18-<br>11  |                              |
| 904L     |   | 1.4939                     | Z 12 CNDV<br>12-02   |               |                         |       |        |                          |                             |                              |
|          | X 20 CrNiSi 25<br>4                     | 1.4821                     |                      |               |                         |       |        |                          |                             |                              |
| UNS31803 | X 2 CrNiMoN 22<br>5                     | 1.4462                     |                      |               |                         |       |        |                          |                             |                              |
| UNS32760 | X 3 CrNiMoN 25<br>7                     | 1.4501                     | Z 3 CND 25-<br>06Az  |               |                         |       |        |                          |                             |                              |
| 403      | X 6 Cr 13<br>X 10 Cr 13<br>X 15 Cr 13   | 1.4000<br>1.4006<br>1.4024 | Z 12 C 13            | SUS 403       | X 12 Cr<br>13           | 23 02 | 403S17 | X 10 Cr 13<br>X 12 Cr 13 | X 6 Cr 13                   | 12Kh13                       |
| 405      | X 6 CrAl 13                             | 1.4002                     | Z 6 CA 13            | SUS 405       | X 6 CrAl<br>13          |       | 405S17 | X 6 CrAl 13              | X 6 CrAl<br>13              |                              |
|          | X 10 CrAl 7                             | 1.4713                     | Z 8 CA 7             |               |                         |       |        | X 10 CrAl 7              |                             |                              |
|          | X 10 CrAl 13                            | 1.4724                     |                      |               | X 10 CrAl               |       |        |                          |                             | 10Kh13SYu                    |

|       |                                       |                            |                        |          |             |       |        |                |            |           |
|-------|---------------------------------------|----------------------------|------------------------|----------|-------------|-------|--------|----------------|------------|-----------|
|       |                                       |                            |                        |          | 12          |       |        |                |            |           |
|       | X 10 CrAl 18                          | 1.4742                     |                        |          |             |       |        | X 10 CrSiAl 18 |            | 15Kh18SYu |
|       |                                       |                            |                        |          |             |       |        |                |            |           |
| 409   | X 6 CrTi 12                           | 1.4512                     | Z 6 CT 12              | SUH 409  | X 6 CrTi 12 |       | 409S19 | X 5 CrTi 12    |            |           |
|       |                                       |                            |                        |          | X 2 CrTi 12 |       |        |                |            |           |
| 410   | X 6 Cr 13<br>X 10 Cr 13<br>X 15 Cr 13 | 1.4000<br>1.4006<br>1.4024 | Z 10 C 13<br>Z 12 C 13 | SUS 410  | X 12 Cr 13  | 23 02 | 410S21 | X 12 Cr 13     | X 12 Cr 13 | 12Kh13    |
| 410 S | X 6 Cr 13                             | 1.4000                     | Z 6 C 13               | SUS 410S | X 6 Cr 13   | 23 01 | 403S17 | X 6 Cr 13      |            | 08Kh13    |
| 414   |                                       |                            |                        |          |             |       |        |                |            |           |
|       |                                       |                            |                        |          |             |       |        |                |            |           |

These are austenitic grades

These are ferritic grades

These are ferritic-austenitic grades ( otherwise known as Duplex and Superduplex)