

**Steel Grades, Properties and Global Standards**  
**Steel Grades, Chemical Composition, Products**

|                                   |            | International steel desination |                      |            | Typical chemical composition, % |      |      |      |     |           | Products                                                                |
|-----------------------------------|------------|--------------------------------|----------------------|------------|---------------------------------|------|------|------|-----|-----------|-------------------------------------------------------------------------|
|                                   |            | EN                             | ASTM                 | JIS        | C                               | N    | Cr   | Ni   | Mo  | Others    |                                                                         |
| WET CORROSION AND GENERAL SERVICE | Ferritic   | 1.4016                         | 430                  | SUS 430    | 0.04                            | -    | 16,5 | -    | -   | -         | CR Narrow strip, Bar, Rod                                               |
|                                   | Mart       | 1.4021                         | 420                  | SUS 420J1  | 0.20                            | -    | 13   | -    | -   | -         | HR Strip / sheet, CR Narrow strips, Bar, Rod                            |
|                                   |            | 1.4028                         | 420                  | SUS 420J2  | 0.30                            | -    | 12.5 | -    | -   | -         | CR Narrow strip, Rod                                                    |
|                                   |            | 1.4313                         | S41500               | SUS Ti6NM  | 0.05                            | -    | 13   | 4    | 0.5 | -         | HR Plate                                                                |
|                                   | Duplex     | 1.4162                         | S32101               | -          | 0.03                            | 0.22 | 21.5 | 1.5  | 0.3 | 5Mn       | HR Plate, HR Strip / sheet, CR Strip / sheet, Rod                       |
|                                   |            | 1.4362                         | S32304               | -          | 0.02                            | 0.10 | 23   | 4.8  | 0.3 | -         | HR Plate, HR Strip / sheet, CR Strip / sheet, Rod                       |
|                                   |            | 1.4462                         | S32205 <sup>1)</sup> | SUS 329J3L | 0.02                            | 0.17 | 22   | 5.7  | 3.1 | -         | HR Plate, HR Strip / sheet, CR Strip / sheet, CR Narrow strip, Bar, Rod |
|                                   |            | 1.4501                         | S32760               | -          | 0.02                            | 0.27 | 25   | 7    | 3.8 | 0.5W, Cu  | HR Plate                                                                |
|                                   |            | 1.4410                         | S32750               | -          | 0.02                            | 0.27 | 25   | 7    | 4   | -         | HR Plate , CR Strip / sheet                                             |
|                                   | Austenitic | 1.4310                         | 301                  | SUS 301    | 0.10                            | -    | 17   | 7    | -   | -         | HR Plate, HR Strip / sheet, CR Strip / sheet, CR Narrow strip, Bar, Rod |
|                                   |            | 1.4318                         | 301LN                | SUS 301L   | 0.02                            | 0.14 | 17.7 | 6.5  | -   | -         | HR strip /sheet, CR stri/sheet                                          |
|                                   |            | 1.4372                         | 201                  | SUS 201    | 0.05                            | 0.15 | 17   | 5    | -   | 6.5Mn     | HR Plate, HR Strip / sheet, CR Strip / sheet, CR Narrow strip, Rod      |
|                                   |            | 1.4301                         | 304                  | SUS 304    | 0.04                            | -    | 18.1 | 8.3  | -   | -         | HR Plate, HR Strip / sheet, CR Strip / sheet, CR Narrow strip, Bar, Rod |
|                                   |            | 1.4307                         | 304L                 | SUS 304L   | 0.02                            | -    | 18.1 | 8.3  | -   | -         | HR Plate, HR Strip / sheet, CR Strip / sheet, CR Narrow strip, Bar, Rod |
|                                   |            | 1.4311                         | 304LN                | SUS 304LN  | 0.02                            | 0.14 | 18.5 | 10.5 | -   | -         | HR Plate, HR Strip / sheet, CR Strip / sheet, CR Narrow strip, Bar, Rod |
|                                   |            | 1.4541                         | 321                  | SUS 321    | 0.04                            | -    | 17.3 | 9.1  | -   | Ti        | HR Plate, HR Strip / sheet, CR Strip / sheet, CR Narrow strip, Bar, Rod |
|                                   |            | 1.4550                         | 347                  | SUS 347    | 0.05                            | 0.04 | 17.5 | 9.5  | -   | Nb        | HR Plate , Rod                                                          |
|                                   |            | 1.4305                         | 303                  | SUS 303    | 0.05                            | -    | 17.3 | 8.2  | -   | S         | Bar, Rod                                                                |
|                                   |            | 1.4303                         | 305                  | SUS 305J1  | 0.04                            | -    | 17.7 | 12.5 | -   | -         | HR Plate, HR Strip / sheet, CR Strip / sheet, CR Narrow strip, Bar, Rod |
|                                   |            | 1.4306                         | 304L                 | SUS 304L   | 0.02                            | -    | 18.2 | 10.1 | -   | -         | HR Plate, HR Strip / sheet, CR Strip / sheet, CR Narrow strip, Bar, Rod |
|                                   |            | 1.4567                         | S30430               | SUS XM7    | 0.01                            | -    | 17.7 | 9.7  | -   | 3Cu       | Bar, Rod                                                                |
|                                   |            | 1.4401                         | 316                  | SUS 316    | 0.04                            | -    | 17.2 | 10.2 | 2.1 | -         | HR Plate, HR Strip / sheet, CR Strip / sheet, CR Narrow strip, Bar, Rod |
|                                   |            | 1.4404                         | 316L                 | SUS 316L   | 0.02                            | -    | 17.2 | 10.1 | 2.1 | -         | HR Plate, HR Strip / sheet, CR Strip / sheet, CR Narrow strip, Bar, Rod |
|                                   |            | 1.4436                         | 316                  | SUS 316    | 0.04                            | -    | 16.9 | 10.7 | 2.6 | -         | HR Plate, HR Strip / sheet, CR Strip / sheet, CR Narrow strip, Bar, Rod |
|                                   |            | 1.4432                         | 316L                 | SUS 316L   | 0.02                            | -    | 16.9 | 10.7 | 2.6 | -         | HR Plate, HR Strip / sheet, CR Strip / sheet, CR Narrow strip, Bar, Rod |
|                                   |            | 1.4406                         | 316LN                | SUS 316LN  | 0.02                            | 0.14 | 17.2 | 10.3 | 2.1 | -         | HR Plate, HR Strip / sheet, CR Strip / sheet, CR Narrow strip, Bar, Rod |
|                                   |            | 1.4429                         | S31653               | SUS 316LN  | 0.02                            | 0.14 | 17.3 | 12.5 | 2.6 | -         | HR Plate , CR Strip /sheet, Rod                                         |
|                                   |            | 1.4571                         | 316Ti                | SUS 316Ti  | 0.04                            | -    | 16.8 | 10.9 | 2.1 | Ti        | HR Plate, HR Strip / sheet, CR Strip / sheet, CR Narrow strip, Bar, Rod |
|                                   |            | 1.4435 <sup>2)</sup>           | 316L                 | SUS 316L   | 0.02                            | -    | 17.3 | 12.6 | 2.6 | -         | HR Plate, HR Strip / sheet, CR Strip / sheet, CR Narrow strip, Bar, Rod |
|                                   |            | 1.4438                         | 317L                 | SUS 317L   | 0.02                            | -    | 18.2 | 13.7 | 3.1 | -         | HR Plate, HR Strip / sheet, CR Strip / sheet, CR Narrow strip, Bar, Rod |
|                                   |            | 1.4439                         | 317LMN               | -          | 0.02                            | 0.14 | 17.8 | 12.7 | 4.1 | -         | HR Plate, HR strip/sheet, CR strip/sheet,                               |
|                                   |            | 1.4466                         | S31050               | -          | 0.02                            | 0.13 | 25   | 22   | 2.2 | -         | HR Plate                                                                |
|                                   |            | 1.4539                         | 904L                 | -          | 0.01                            | -    | 20   | 25   | 4.3 | 1.5Cu     | HR Plate, HR Strip / sheet, CR Strip / sheet, CR Narrow strip, Bar, Rod |
|                                   |            | 1.4529                         | N08926               | -          | 0.02                            | 0.2  | 20   | 25   | 6.5 | 0.5Cu     | HR Plate                                                                |
|                                   |            | 1.4547                         | S31254               | -          | 0.01                            | 0.20 | 20   | 18   | 6.1 | Cu        | HR Plate, HR Strip / sheet, CR Strip / sheet, CR Narrow strip, Bar, Rod |
|                                   |            | 1.4565                         | S34565               | -          | 0.02                            | 0.45 | 24   | 17   | 4.5 | 5.5Mn     | HR Plate                                                                |
| HEAT AND CREEP                    | Ferritic   | 1.4713                         | -                    | -          | 0.12                            | -    | 7    | -    | -   | 0.5Al     | HR Plate                                                                |
|                                   |            | 1.4724                         | -                    | -          | 0.12                            | -    | 13   | -    | -   | 0.7Al     | HR Plate                                                                |
|                                   |            | 1.4742                         | -                    | -          | 0.12                            | -    | 18   | -    | -   | 0.7Al     | HR Plate                                                                |
|                                   |            | 1.4762                         | S44600               | -          | 0.12                            | -    | 24   | -    | -   | 1.2Al     | HR Plate                                                                |
|                                   | Austenitic | 1.4948                         | 304H                 | SUS 304    | 0.05                            | -    | 18.1 | 8.3  | -   | -         | HR Plate , HR strip /sheet, CR strip/sheet, Bar, Rod                    |
|                                   |            | 1.4878 <sup>3)</sup>           | 321                  | SUS 321    | 0.05                            | -    | 17.3 | 9.1  | -   | Ti        | HR Plate, HR Strip / sheet, CR Strip / sheet, CR Narrow strip, Bar, Rod |
|                                   |            | 1.4818                         | S30415               | -          | 0.05                            | 0.15 | 18.5 | 9.5  | -   | 1.3Si, Ce | HR Plate, CR strip/ sheet, CR Narrow strip, Bar, Rod                    |
|                                   |            | 1.4833 <sup>3)</sup>           | 309S <sup>3)</sup>   | SUS 309    | 0.06                            | -    | 22.3 | 12.6 | -   | -         | HR Plate, HR Strip / sheet, CR Strip / sheet, CR Narrow strip, Bar, Rod |
|                                   |            | 1.4828                         | -                    | SUH 309    | 0.04                            | -    | 20   | 12   | -   | 2Si       | HR Plate, HR Strip / sheet, CR Strip / sheet, CR Narrow strip, Bar, Rod |
|                                   |            | 1.4835                         | S30815               | -          | 0.09                            | 0.17 | 21   | 11   | -   | 1.6Si, Ce | HR Plate, HR Strip / sheet, CR Strip / sheet, CR Narrow strip, Bar, Rod |
|                                   |            | 1.4845 <sup>3)</sup>           | 310S <sup>3)</sup>   | SUS 310S   | 0.05                            | -    | 25   | 20   | -   | -         | HR Plate, HR Strip / sheet, CR Strip / sheet, CR Narrow strip, Bar, Rod |
|                                   |            | 1.4841                         | 314                  | -          | 0.02                            | -    | 25   | 20   | -   | -         | HR Plate                                                                |
|                                   |            | 1.4854                         | S35315               | -          | 0.05                            | 0.17 | 25   | 35   | -   | 1.3Si, Ce | HR Plate                                                                |

1) Also available as S31803

2) 724L is a modified version of 4435 for Urea applications

3) Additional creep resisting grades are: 1.4941, 1.4950, 1.4951