

# MATERIAL CROSS REFERENCE CHART

## Steel

|          |                 |
|----------|-----------------|
| <b>A</b> | GRADES          |
| <b>B</b> | INSERTS         |
| <b>C</b> | CBN & PCD       |
| <b>E</b> | TURNING         |
| <b>F</b> | BORING          |
| <b>G</b> | GROOVING        |
| <b>H</b> | CUT-OFF         |
| <b>J</b> | THREADING       |
| <b>L</b> | SOLID END MILLS |
| <b>M</b> | MILLING         |
| <b>P</b> | SPARE PARTS     |
| <b>R</b> | TECHNICAL       |
| <b>T</b> | INDEX           |

| CLASS                            | GERMANY<br>DIN          | UK<br>BS                                | FRANCE<br>NF        | RUSSIA<br>ГОСТ    | USA<br>AISI / SAE            | JAPAN<br>JIS | CHINA<br>GB       |               |
|----------------------------------|-------------------------|---|---------------------|-------------------|------------------------------|--------------|-------------------|---------------|
| NICKEL<br>CHROMIUM STEEL         | 36NiCr6                 |   |                     | 40XH              |                              | SNC236       |                   |               |
|                                  | 14NiCr10                |   |                     |                   |                              | SNC415       | 12CrNi2           |               |
|                                  | 36NiCr10                |   |                     | 30XH3A            |                              | SNC631       | 30CrNi3           |               |
|                                  | 15NiCr13                | 655M13                                  |                     |                   |                              | SNC815       | 12Cr2Ni4          |               |
|                                  | 31NiCr14                |   |                     |                   |                              | SNC836       | 37CrNi3           |               |
| NICKEL CHROMIUM MOLYBDENUM STEEL | 20NiCrMo2<br>20NiCrMoS2 | 805A20<br>805M20<br>805A22<br>805M22    | 20NCD 2             |                   | 8615<br>8617<br>8620<br>8622 | SNCM220      | 20CrNiMo          |               |
|                                  | 40NiCrMo2-2             |   |                     |                   | 8637<br>8640                 | SNCM240      |                   |               |
|                                  |                         |   |                     |                   |                              | SNCM415      |                   |               |
|                                  | 17NiCrMo6-4             |   |                     | 20XH2M<br>(20XHM) | 4320                         | SNCM420      | 18CrNiMnMoA       |               |
|                                  | 30CrNiMo8               |   |                     |                   |                              | SNCM431      |                   |               |
|                                  | 40NiCrMo6               |   |                     |                   | 4340                         | SNCM439      | 40CrNiMoA         |               |
|                                  | 34CrNiMo6               |   |                     |                   |                              | SNCM447      |                   |               |
|                                  |                         |   |                     |                   |                              | SNCM616      |                   |               |
|                                  |                         |   |                     |                   |                              | SNCM625      |                   |               |
|                                  |                         |   |                     |                   |                              | SNCM630      |                   |               |
|                                  |                         |   |                     |                   |                              | SNCM815      |                   |               |
|                                  | CHROMIUM STEEL          | 17Cr3<br>17CrS3                         |                     |                   | 15X<br>15XA                  |              | SCr415            | 15Cr<br>15CrA |
|                                  |                         |   |                     |                   | 20X                          | 5120         | SCr420            | 20Cr          |
| 34Cr4<br>34CrS4                  |                         | 34Cr4<br>34CrS4                         | 34Cr4<br>34CrS4     | 30X               | 5130<br>5132                 | SCr430       | 30Cr              |               |
| 37Cr4<br>37CrS4                  |                         | 37Cr4<br>37CrS4                         | 37Cr4<br>37CrS4     | 35X               | 5132                         | SCr435       | 35Cr              |               |
| 41Cr4<br>41CrS4                  |                         | 530M40<br>41Cr4<br>41CrS4               | 41Cr4<br>41CrS4     | 40X               | 5140                         | SCr440       | 40Cr              |               |
|                                  |                         |   |                     | 45X               |                              | SCr445       | 45Cr<br>50Cr      |               |
| CHROMIUM MOLYBDENUM STEEL        | 15CrMo4                 |   |                     |                   |                              | SCM415       | 15CrMo            |               |
|                                  | 18CrMo4<br>18CrMoS4     |   |                     | 20XM              |                              | SCM418       | 20CrMo            |               |
|                                  | 20CrMo5                 | 708M20                                  |                     | 20XM              |                              | SCM420       |                   |               |
|                                  |                         |   |                     |                   |                              | SCM421       |                   |               |
|                                  |                         |   |                     | 30XM<br>30XMA     | 4131                         | SCM430       | 30CrMo<br>30CrMoA |               |
|                                  |                         |   |                     |                   |                              | SCM432       |                   |               |
|                                  | 34CrMo4<br>34CrMoS4     | 34CrMo4<br>34CrMoS4                     | 34CrMo4<br>34CrMoS4 | 35XM              | 4137                         | SCM435       | 35CrMo            |               |
|                                  | 42CrMo4<br>42CrMoS4     | 708M40<br>709M40<br>42CrMo4<br>42CrMoS4 | 42CrMo4<br>42CrMoS4 |                   | 4140<br>4142                 | SCM440       | 42CrMo            |               |
|                                  |                         |   |                     |                   | 4145<br>4147                 | SCM445       |                   |               |
|                                  |                         |   |                     |                   | SCM822                       |              |                   |               |