

MATERIAL NUMBER 1.7262 · CLASS 1.7

# B18CrMo4-5KG

Material no. 1.7262

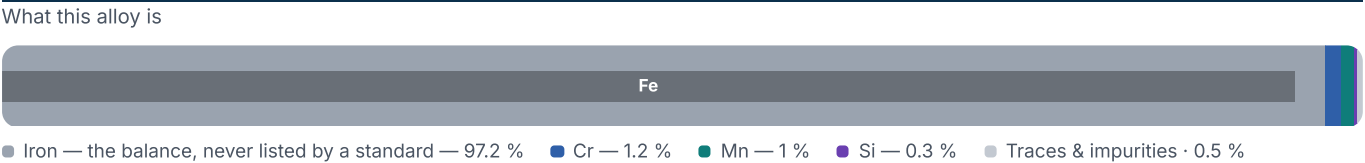
also listed as 15CrMo5

Chemical composition, mechanical and physical property values, and 63 standard designations from 19 regions.

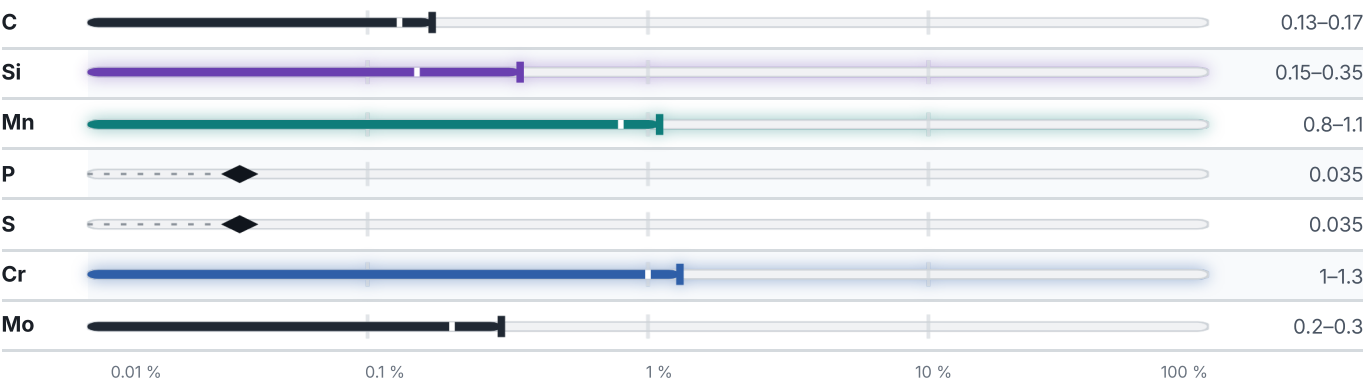
|                              |                                               |                                     |
|------------------------------|-----------------------------------------------|-------------------------------------|
| DENSITY<br><b>7.85</b> g/cm³ | OTHER DESIGNATIONS<br><b>63</b> in 19 regions | PROPERTY VALUES<br><b>8</b> on file |
|------------------------------|-----------------------------------------------|-------------------------------------|

Chemical composition

Mass fraction in %



Logarithmic scale, 0.01 % to 100 % — every value here compares directly, decade by decade.



The scale is logarithmic, not the element’s raw share of the alloy — the only honest way to fit 0.01 % and 100 % in one picture, and it means every value here can be compared with every other.

## Predicted transformation temperatures

Not enough recorded composition to predict a transformation temperature for this grade — missing: Ni.

Physical properties

1 values

| PROPERTY | VALUE | UNIT  |
|----------|-------|-------|
| Density  | 7.85  | g/cm³ |

Heat treatment

3 regimes

| STEP                                                  | TEMPERATURE            | MEDIUM |
|-------------------------------------------------------|------------------------|--------|
| source joins the operations with + / procedural order |                        |        |
| Normalizing                                           | 900–960 °C             | —      |
| Tempering                                             | 680–730 °C             | —      |
| Quenching                                             | 900 °C                 | —      |
| Tempering                                             | 680–750 °C             | —      |
| Normalizing                                           | 900–960 °C             | —      |
| Tempering                                             | 680–730 °C             | —      |
| source joins the operations with + / procedural order |                        |        |
| Normalizing                                           | Temperature not stated | —      |
| Tempering                                             | Temperature not stated | —      |
| source joins the operations with + / procedural order |                        |        |
| Normalizing                                           | Temperature not stated | —      |
| Tempering                                             | Temperature not stated | —      |

Designations across standards

63 designations · 1 documented as identical

| United States |          | 8 | Japan   |  | 8   |
|---------------|----------|---|---------|--|-----|
| A387Gr.12Cl.2 | aisi-sae |   | SCM415  |  | jis |
| K11562        | aisi-sae |   | SCM415H |  | jis |
| K11564        | aisi-sae |   | SFVAF12 |  | jis |
| K11572        | aisi-sae |   | STBA20  |  | jis |
| K11597        | aisi-sae |   | STBA22  |  | jis |
| K11757        | aisi-sae |   | STFA22  |  | jis |
| K11789        | aisi-sae |   | STPA20  |  | jis |
| K12062        | aisi-sae |   | STPA22  |  | jis |

|                       |       |                                            |        |
|-----------------------|-------|--------------------------------------------|--------|
| <b>Italy</b>          | 7     | <b>South Korea</b>                         | 3      |
| 13CrMo4-5             | uni   | SFVAF12                                    | ks     |
| 14CrMo3               | uni   | STHA20                                     | ks     |
| 16CrMo3               | uni   | STHA22                                     | ks     |
| 18CrMo45KG            | uni   |                                            |        |
| 18CrMo45KW            | uni   | <b>Europe</b>                              | 2      |
| A18CrMo4-5KW          | uni   | 1.7262                                     | din-en |
| B18CrMo4-5KG          | uni   | 15CrMo5 <span>This grade's own name</span> | din-en |
| <b>United Kingdom</b> | 6     | <b>Russia / CIS</b>                        | 2      |
| 13CrMo4-5             | bs    | 15KhM                                      | gost   |
| 1501-620              | bs    | 15XM                                       | gost   |
| 1501-621              | bs    |                                            |        |
| 620-440               | bs    | <b>Poland</b>                              | 2      |
| 620-470               | bs    | 15HM                                       | pn     |
| 620-540               | bs    | 18HGM                                      | pn     |
| <b>France</b>         | 6     | <b>Hungary</b>                             | 2      |
| 12CD4                 | afnor | 13CrMo4-5                                  | msz    |
| 13CrMo4-5             | afnor | KL9                                        | msz    |
| 14CrMo4-5             | afnor |                                            |        |
| 15CD3.5               | afnor | <b>Sweden</b>                              | 1      |
| 15CD4.05              | afnor | 2216                                       | ss     |
| 15CD4.5               | afnor |                                            |        |
| <b>China</b>          | 5     | <b>Czechia</b>                             | 1      |
| 12CrMo                | gb    | 15121                                      | csn    |
| 12CrMoG               | gb    |                                            |        |
| 15CrMo                | gb    | <b>Serbia</b>                              | 1      |
| 15CrMog               | gb    | Č.4720                                     | srps   |
| 15CrMoR               | gb    |                                            |        |
| <b>Spain</b>          | 3     | <b>Romania</b>                             | 1      |
| 12CrMo4               | une   | 14CrMo4                                    | stas   |
| 14CrMo4-5             | une   |                                            |        |
| F.2631                | une   | <b>Austria</b>                             | 1      |
|                       |       | 13CrMo4-4KW                                | onorm  |
| <b>Bulgaria</b>       | 3     | <b>Belgium</b>                             | 1      |
| 13CrMo4-5             | bds   | 14CrMo45                                   | nbn    |
| 14ChM                 | bds   |                                            |        |
| 15ChM                 | bds   |                                            |        |

**Note on use.** The data is compiled to the best of our knowledge from publicly available standards and manufacturer documentation. It replaces neither material testing nor an inspection document to EN 10204. Please request a mill certificate to EN 10204 2.1, 3.1 or 3.2 together with your enquiry. The standard in its current valid edition always prevails.

### Enquiry about B18CrMo4-5KG

Quotation, availability, mill certificate or a technical question — directly on the material page.

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ISSUED

Aug 20, 2026