

MATERIAL NUMBER 1.1545 · CLASS 1.1

# SK3 / SK4 przybliż.

Material no. 1.1545

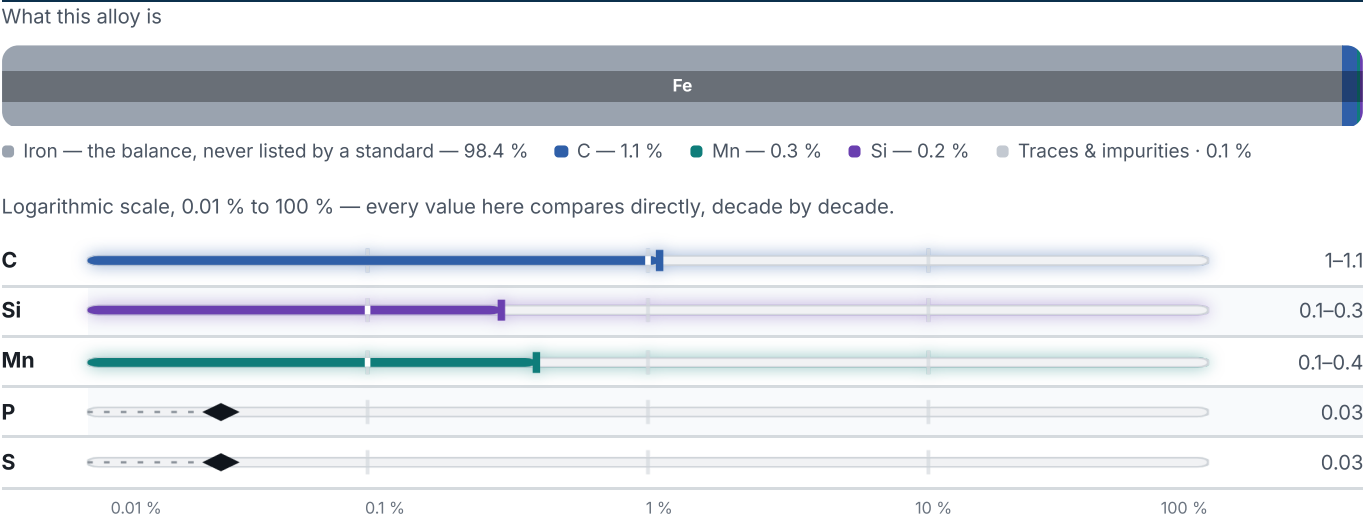
also listed as C105U

Chemical composition, mechanical and physical property values, and 67 standard designations from 19 regions.

|                                          |                                               |                                     |
|------------------------------------------|-----------------------------------------------|-------------------------------------|
| DENSITY<br><b>7.85</b> g/cm <sup>3</sup> | OTHER DESIGNATIONS<br><b>67</b> in 19 regions | PROPERTY VALUES<br><b>8</b> on file |
|------------------------------------------|-----------------------------------------------|-------------------------------------|

Chemical composition

Mass fraction in %



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, Cr, Mo.

Mechanical properties

10 values across 3 conditions

| CONDITION · DIMENSION                | RM<br>N/mm <sup>2</sup> | RE<br>N/mm <sup>2</sup> | A5<br>% | Z<br>% | HB |
|--------------------------------------|-------------------------|-------------------------|---------|--------|----|
| Rolled stock hotrolled, GOST 1414-75 | 410                     | –                       | 22      | 34     | –  |

| CONDITION · DIMENSION         | RM<br>N/mm² | RE<br>N/mm² | A5<br>% | Z<br>% | HB  |
|-------------------------------|-------------|-------------|---------|--------|-----|
| Rolled stock, GOST 1414-75    | 490         | 390         | 10      | –      | –   |
| Rolled stock GOST 1414-75     | –           | –           | –       | –      | 207 |
| CONDITION · DIMENSION         | HB          |             |         | HRC    |     |
| ( SK3 ) Annealed              | 212         |             |         | –      |     |
| ( SK3 ) Quenched and tempered | –           |             |         | 61     |     |
| SOFT ANNEALED                 |             |             |         | HB     |     |
| Soft annealed                 |             |             |         | 212    |     |

Physical properties

3 values

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

Technological properties

| PROPERTY           | VALUE           | UNIT |
|--------------------|-----------------|------|
| Flake sensitivity  | not predisposed |      |
| Temper brittleness | not predisposed |      |

Designations across standards

67 designations · 4 documented as identical

| United States |                       | 11       | Russia / CIS |  | 6     |
|---------------|-----------------------|----------|--------------|--|-------|
| T72301        |                       | uns      | U10A         |  | gost  |
| W110          |                       | uns      | U10A         |  | gost  |
| G51320        |                       | aisi-sae | U11          |  | gost  |
| T72301        |                       | aisi-sae | U11A         |  | gost  |
| T72305        |                       | aisi-sae | Y10A         |  | gost  |
| W1            |                       | aisi-sae | Y11          |  | gost  |
| W110          | This grade's own name | aisi-sae | France       |  | 5     |
| W110 przybliż |                       | aisi-sae |              |  |       |
| W1C 1,00%     | This grade's own name | aisi-sae |              |  | afnor |
| W210          |                       | aisi-sae |              |  | afnor |
| W5            |                       | aisi-sae |              |  | afnor |
|               |                       |          | Y1-105       |  | afnor |
|               |                       |          | Y105         |  | afnor |
|               |                       |          | Y120         |  | afnor |

|                       |     |                                           |        |
|-----------------------|-----|-------------------------------------------|--------|
| <b>Japan</b>          | 5   | <b>Europe</b>                             | 3      |
| SK105                 | jis | 1.1545                                    | din-en |
| SK3                   | jis | C105U <span>This grade's own name</span>  | din-en |
| SK3 / SK4 przybliż.   | jis | C105W1 <span>This grade's own name</span> | din-en |
| SK4                   | jis |                                           |        |
| SUP4                  | jis |                                           |        |
| <b>Poland</b>         | 5   | <b>Italy</b>                              | 3      |
| N10                   | pn  | C100KU                                    | uni    |
| N10E                  | pn  | C120KU                                    | uni    |
| N11                   | pn  | C36KU                                     | uni    |
| N11E                  | pn  |                                           |        |
| stal węglowa          | pn  | <b>International</b>                      | 2      |
|                       |     | C105U                                     | iso    |
|                       |     | CT105                                     | iso    |
| <b>United Kingdom</b> | 4   | <b>China</b>                              | 2      |
| O60A96                | bs  | T10                                       | gb     |
| BW1A                  | bs  | T10A                                      | gb     |
| BW1B                  | bs  |                                           |        |
| BW2                   | bs  | <b>Sweden</b>                             | 2      |
|                       |     | 1880                                      | ss     |
| <b>Spain</b>          | 4   | 2900                                      | ss     |
| C102                  | une |                                           |        |
| F.5118                | une | <b>Romania</b>                            | 2      |
| F.515                 | une | OSC10                                     | stas   |
| F.516                 | une | OSC11                                     | stas   |
|                       |     |                                           |        |
| <b>Hungary</b>        | 4   | <b>Austria</b>                            | 2      |
| S101                  | msz | BOHLERK990                                | onorm  |
| S102                  | msz | K990                                      | onorm  |
| S111                  | msz |                                           |        |
| S112                  | msz | <b>Czechia</b>                            | 1      |
|                       |     | 19191                                     | csn    |
| <b>Bulgaria</b>       | 4   | <b>Slovakia</b>                           | 1      |
| C105U                 | bds | 19 191                                    | stn    |
| U10A                  | bds |                                           |        |
| U11                   | bds | <b>Serbia</b>                             | 1      |
| U11A                  | bds | Č.1940                                    | srps   |

**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 SK3 / SK4 przybliż.

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

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#### DATASHEET ONLINE

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#### MATERIAL NO.

1.1545

#### ISSUED

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