

MATERIAL NUMBER 1.1620 · CLASS 1.1

# Č.1740

Material no. 1.1620

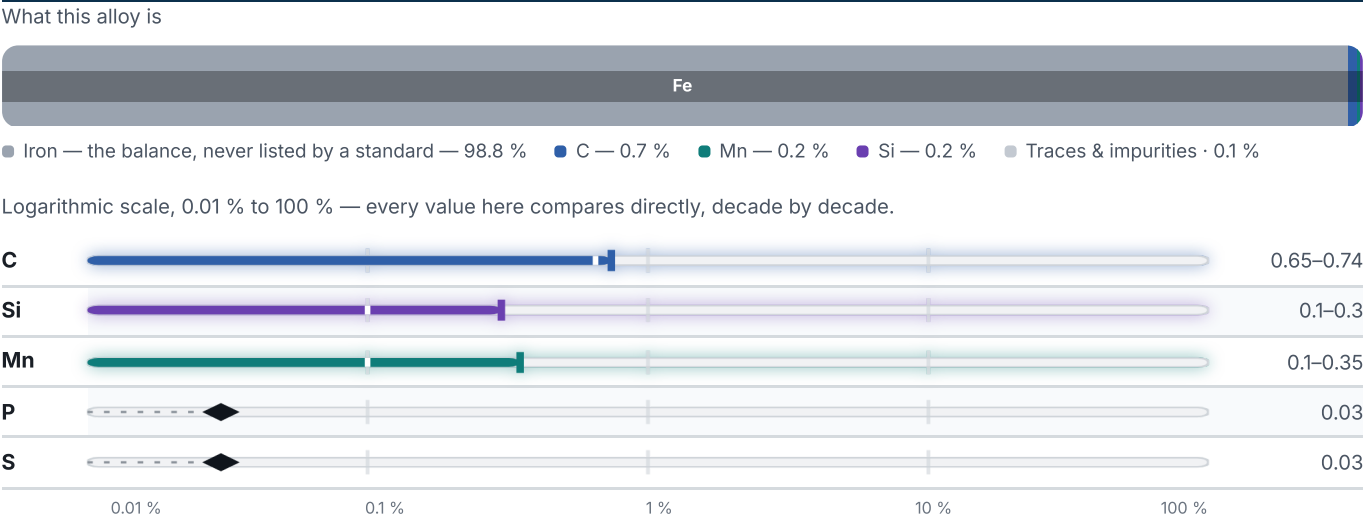
also listed as C70W2

Chemical composition, mechanical and physical property values, and 26 standard designations from 15 regions.

|                                          |                                               |                                     |
|------------------------------------------|-----------------------------------------------|-------------------------------------|
| DENSITY<br><b>7.85</b> g/cm <sup>3</sup> | OTHER DESIGNATIONS<br><b>26</b> in 15 regions | PROPERTY VALUES<br><b>6</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

2 values across 1 conditions

| CONDITION · DIMENSION | HB  | HRC |
|-----------------------|-----|-----|
| ( SK7 ) Annealed      | 183 | —   |

| CONDITION · DIMENSION         | HB | HRC |
|-------------------------------|----|-----|
| ( SK7 ) Quenched and tempered | –  | 56  |

## Physical properties

1 values

| PROPERTY | VALUE | UNIT              |
|----------|-------|-------------------|
| Density  | 7.85  | g/cm <sup>3</sup> |

## Designations across standards

26 designations · 1 documented as identical

|                      |          |                 |                              |
|----------------------|----------|-----------------|------------------------------|
| <b>France</b>        | 3        | <b>Poland</b>   | 2                            |
| C70E2U               | afnor    | N7              | pn                           |
| XC65                 | afnor    | N7E             | pn                           |
| Y1-70                | afnor    |                 |                              |
| <b>Japan</b>         | 3        | <b>Hungary</b>  | 2                            |
| SK6                  | jis      | S71             | msz                          |
| SK65                 | jis      | S72             | msz                          |
| SK7                  | jis      |                 |                              |
| <b>Russia / CIS</b>  | 3        | <b>Europe</b>   | 1                            |
| U7                   | gost     | C70W2           | din-en This grade's own name |
| U7A                  | gost     | <b>China</b>    | 1                            |
| Y7                   | gost     | T7              | gb                           |
| <b>United States</b> | 2        | <b>Italy</b>    | 1                            |
| C 0.70               | aisi-sae | C70KU           | uni                          |
| W 1                  | aisi-sae | <b>Serbia</b>   | 1                            |
| <b>International</b> | 2        | Č.1740          | srps                         |
| C70U                 | iso      | <b>Romania</b>  | 1                            |
| C70W1                | iso      | OSC7            | stas                         |
| <b>Czechia</b>       | 2        | <b>Bulgaria</b> | 1                            |
| 19 132               | csn      | U7              | bds                          |
| 19133                | csn      | <b>Austria</b>  | 1                            |
|                      |          | K970            | onorm                        |

**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 Č.1740

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

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ISSUED

Aug 20, 2026