

MATERIAL NUMBER 1.4864 · CLASS 1.4

# 1Cr16Ni35

## Material no. 1.4864

also listed as X12NiCrSi35-16

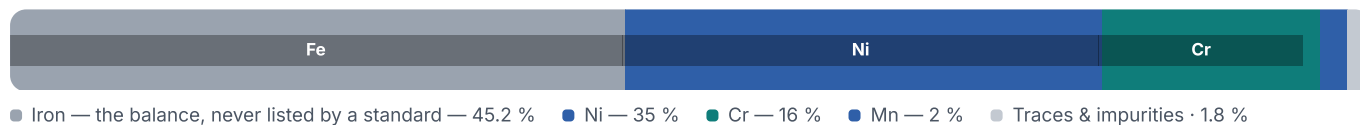
Chemical composition, mechanical and physical property values, and 26 standard designations from 13 regions.

| DENSITY                    | OTHER DESIGNATIONS      | PROPERTY VALUES  |
|----------------------------|-------------------------|------------------|
| <b>8</b> g/cm <sup>3</sup> | <b>26</b> in 13 regions | <b>9</b> on file |

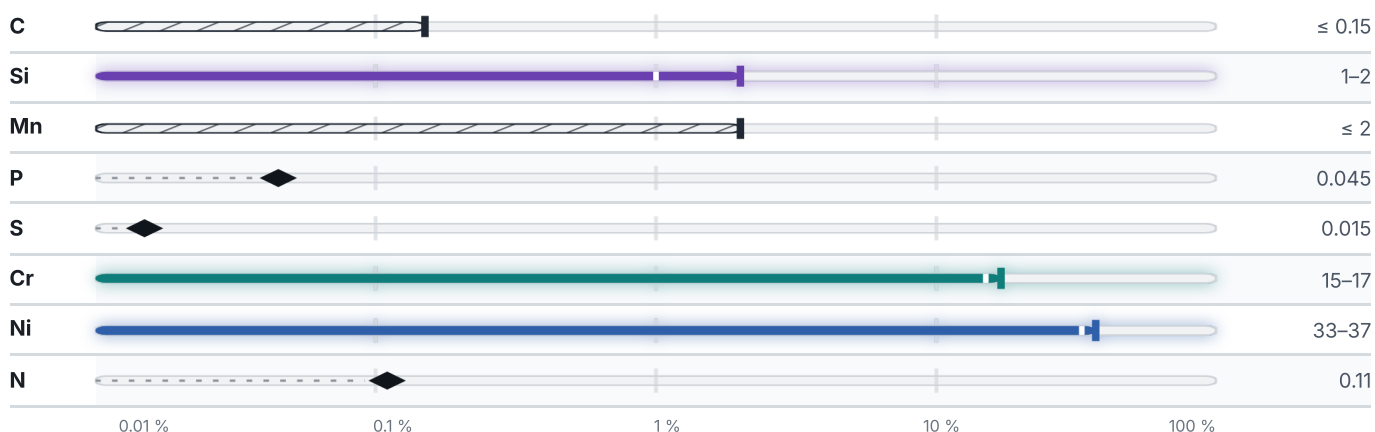
### Chemical composition

Mass fraction in %

What this alloy is



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: Mo.

## Mechanical properties

1 values across 1 conditions

| SOLUTION ANNEALED | HB  |
|-------------------|-----|
| Solution annealed | 223 |

## Physical properties

1 values

| PROPERTY | VALUE | UNIT              |
|----------|-------|-------------------|
| Density  | 8     | g/cm <sup>3</sup> |

## Designations across standards

26 designations · 3 documented as identical

|                                                   |          |                          |      |
|---------------------------------------------------|----------|--------------------------|------|
| <b>United States</b>                              | 5        | <b>Spain</b>             | 2    |
| N08303                                            | uns      | F.3313                   | une  |
| N08330                                            | uns      | F.3313-X 12 CrNi 36-16   | une  |
| 330                                               | aisi-sae |                          |      |
| N08330                                            | aisi-sae | <b>International</b>     | 1    |
| N08330                                            | astm     | H17                      | iso  |
| <b>Europe</b>                                     | 4        | <b>Japan</b>             | 1    |
| 1.4864                                            | din-en   | SUH330                   | jis  |
| X12NiCrSi35-16 <span>This grade's own name</span> | din-en   |                          |      |
| X12NiCrSi36-16 <span>This grade's own name</span> | din-en   | <b>China</b>             | 1    |
| X13NiCr35-16 <span>This grade's own name</span>   | din-en   | 1Cr16Ni35                | gb   |
| <b>France</b>                                     | 4        | <b>Russia / CIS</b>      | 1    |
| Z12NCS35.16                                       | afnor    | XH35BT                   | gost |
| Z12NCS37-18                                       | afnor    |                          |      |
| Z20NCS33-16                                       | afnor    | <b>Czechia</b>           | 1    |
| ZI2NCS37.18                                       | afnor    | 17 253                   | csn  |
| <b>United Kingdom</b>                             | 3        | <b>former Yugoslavia</b> | 1    |
| 3076 NA 17                                        | bs       | Č.4579                   | jus  |
| INCOLOY alloy DS                                  | bs       |                          |      |
| NA17                                              | bs       | <b>Poland</b>            | 1    |
|                                                   |          | H16N36S2                 | pn   |
|                                                   |          | <b>Romania</b>           | 1    |
|                                                   |          | 12SiCrNi360              | stas |

**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 1Cr16Ni35

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

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DATASHEET ONLINE

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GRADE SEARCH

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ISSUED

Aug 20, 2026