SteelEquivalents.com

Material datasheet
As of Aug 20, 2026

MATERIAL NUMBER 1.2661 · CLASS 1.2

# T20819

## Material no. 1.2661

also listed as 38CrCoWV18-17-17

Chemical composition, mechanical and physical property values, and 4 standard designations from 3 regions.

| DENSITY | OTHER DESIGNATIONS | PROPERTY VALUES |
|---|---|---|
| 7.85 g/cm³ | 4 in 3 regions | 11 on file |

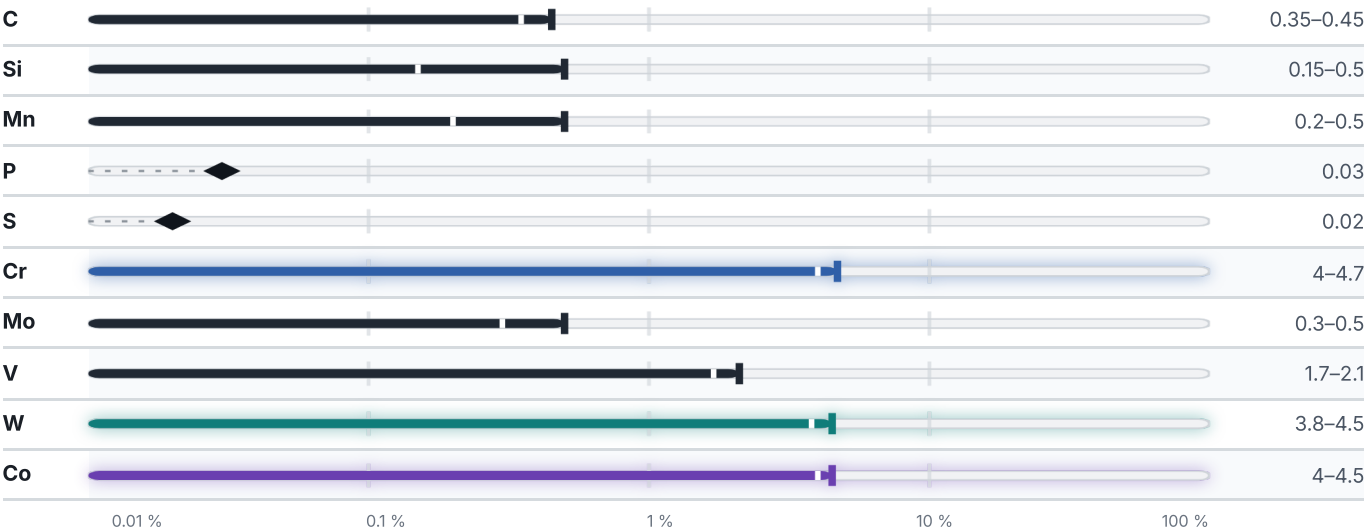
## Chemical composition

Mass fraction in %

What this alloy is


Iron — the balance, never listed by a standard — 83.8 % · Cr — 4.4 % · Co — 4.3 % · W — 4.2 % · Traces & impurities · 3.4 %

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.

## Mechanical properties

3 values across 2 conditions

| CONDITION · DIMENSION | HB | HRC |
|---|---|---|
| Annealed | 262 | – |
| Quenched and tempered | – | 48 |

| SOFT ANNEALED | HB |
|---|---|
| Soft annealed | 260 |

## Physical properties

1 values

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

## Designations across standards

4 designations · 3 documented as identical

**United States** 2

| | |
|---|---|
| T20819 This grade's own name | uns |
| H19 This grade's own name | aisi-sae |

**Europe** 1

| | |
|---|---|
| 38CrCoWV18-17-17 This grade's own name | din-en |

**Japan** 1

| | |
|---|---|
| SKD8 | jis |

**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 T20819**

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

Start an enquiry

| DATASHEET ONLINE | GRADE SEARCH | MATERIAL NO. | ISSUED |
|---|---|---|---|
| View the material page | Search all grades | 1.2661 | Aug 20, 2026 |