SteelEquivalents.com

Material datasheet
As of Aug 20, 2026

MATERIAL NUMBER 1.2833 · CLASS 1.2

# 100V1

## Material no. 1.2833

Chemical composition, mechanical and physical property values, and 10 standard designations from 7 regions.

| DENSITY | OTHER DESIGNATIONS | PROPERTY VALUES |
|---|---|---|
| 7.85 g/cm³ | 10 in 7 regions | 7 on file |

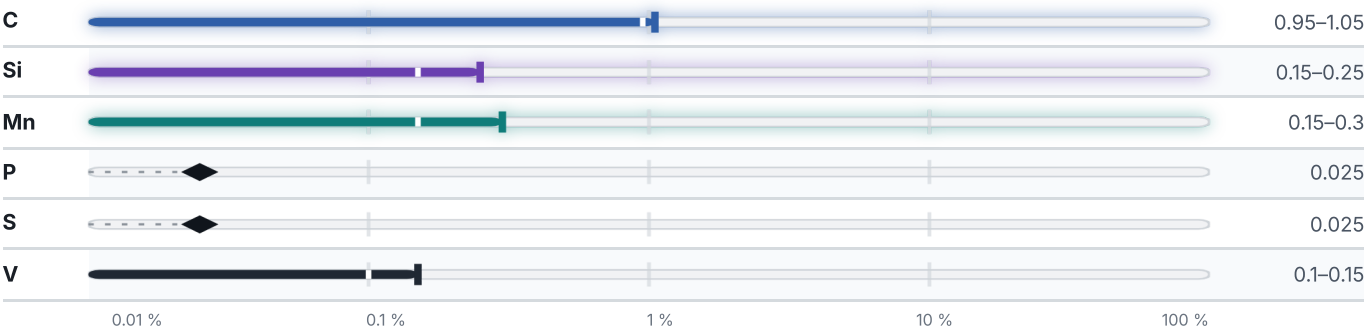
## Chemical composition

Mass fraction in %

What this alloy is


Iron — the balance, never listed by a standard — 98.4 % · C — 1 % · Mn — 0.2 % · Si — 0.2 % · Traces & impurities · 0.2 %

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, Cr, Mo.

## Physical properties

1 values

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

## Designations across standards

10 designations · 4 documented as identical

### United States 3

| | |
|---|---|
| T72302 This grade's own name | uns |
| W2 C 1,00% This grade's own name | aisi-sae |
| W210 This grade's own name | aisi-sae |

### Europe 2

| | |
|---|---|
| 1.2833 | din-en |
| 100V1 This grade's own name | din-en |

### United Kingdom 1

| | |
|---|---|
| BW2 | bs |

### France 1

| | |
|---|---|
| Y1105V | afnor |

### Japan 1

| | |
|---|---|
| SKS43 | jis |

### Czechia 1

| | |
|---|---|
| 19 356 | csn |

### Poland 1

| | |
|---|---|
| NV | pn |

**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 100V1

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 | 1.2833 | Aug 20, 2026 |