

MATERIAL NUMBER 1.2833 · CLASS 1.2

Y1105V

Material no. 1.2833

also listed as 100V1

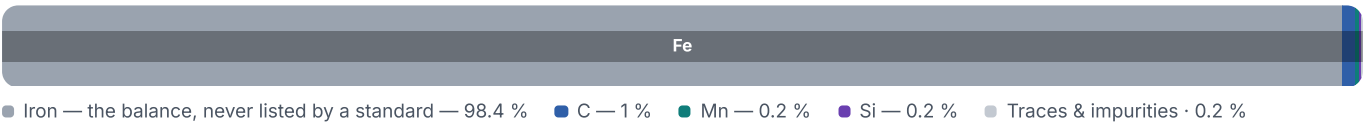
Chemical composition, mechanical and physical property values, and 10 standard designations from 7 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 10 in 7 regions	PROPERTY VALUES 7 on file
--	--	-------------------------------------

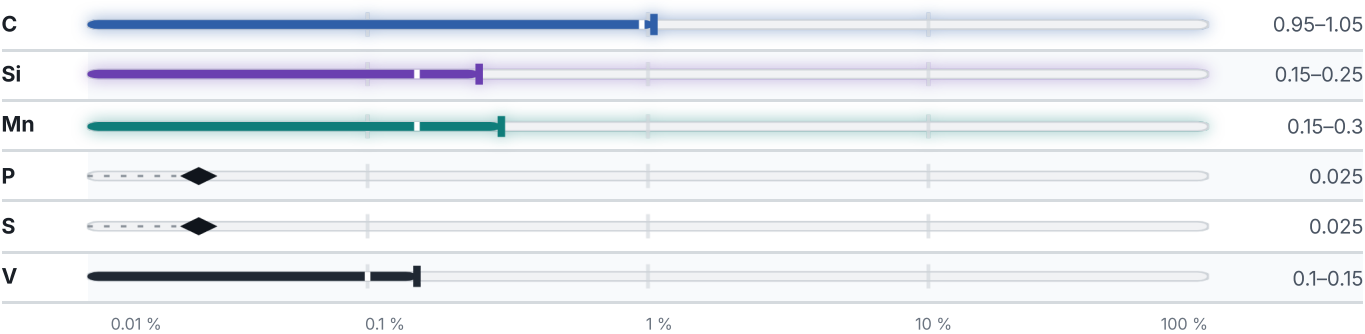
Chemical composition

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: 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	France	1
T72302 This grade's own name	uns	Y1105V	afnor
W2 C 1,00% This grade's own name	aisi-sae		
W210 This grade's own name	aisi-sae	Japan	1
		SKS43	jis
Europe	2		
1.2833	din-en	Czechia	1
100V1 This grade's own name	din-en	19 356	csn
United Kingdom	1	Poland	1
BW2	bs	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 Y1105V

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

[Start an enquiry](#)

DATASHEET ONLINE

View the material page

GRADE SEARCH

Search all grades

MATERIAL NO.

1.2833

ISSUED

Aug 20, 2026