

MATERIAL NUMBER 1.2767 · CLASS 1.2

45NCD16

Material no. 1.2767

also listed as 45NiCrMo16

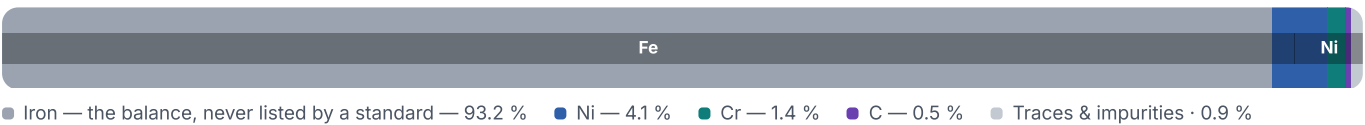
Chemical composition, mechanical and physical property values, and 17 standard designations from 10 regions.

DENSITY 7.84 g/cm³	OTHER DESIGNATIONS 17 in 10 regions	PROPERTY VALUES 9 on file
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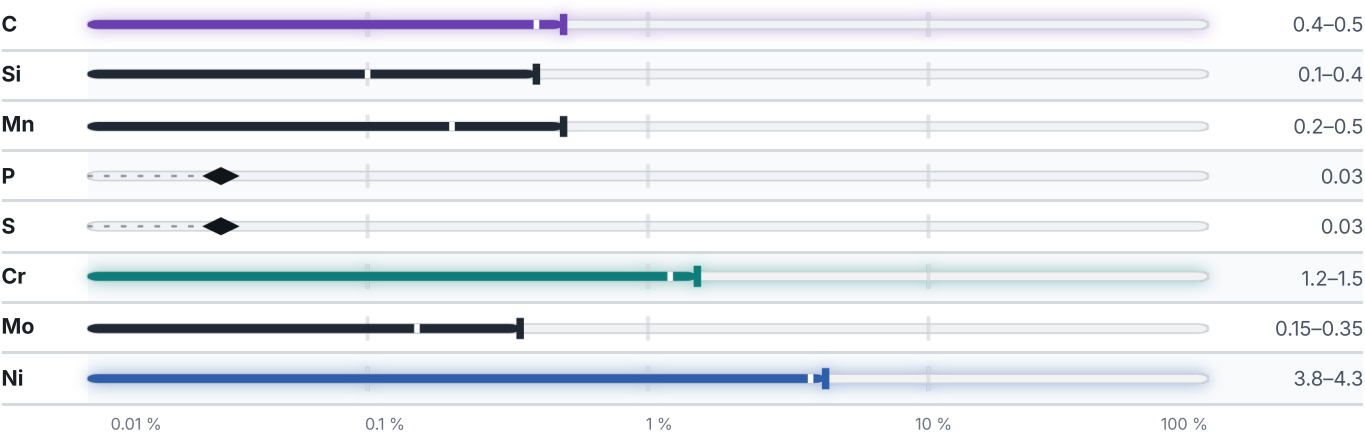
Chemical composition

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

This grade's composition falls outside the published model's validated range (a low-alloy composition window), so no transformation temperature is predicted here.

Mechanical properties

1 values across 1 conditions

SOFT ANNEALED	HB
Soft annealed	285

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.84	g/cm³

Designations across standards

17 designations · 2 documented as identical

France	5	United Kingdom	1
40NCD16	afnor	6F7	bs
40NCDV16	afnor	International	1
40NiCrMo16	afnor	45NiCrMo16	iso
40NiCrMoV16	afnor	Japan	1
45NCD16	afnor	SKT6	jis
Europe	2	Italy	1
45NiCrMo16	This grade's own name din-en	45NiCrMo16KU	uni
X45NiCrMo4	This grade's own name din-en	Czechia	1
United States	2	19655	csn
6F3	aisi-sae	Slovakia	1
6F7	aisi-sae	19 655	stn
Poland	2		
NPW	pn		
stal niklowa	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 45NCD16

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	1.2767	Aug 20, 2026