

MATERIAL NUMBER 1.4864 · CLASS 1.4

Z12NCS35.16

Material no. 1.4864

also listed as X12NiCrSi35-16

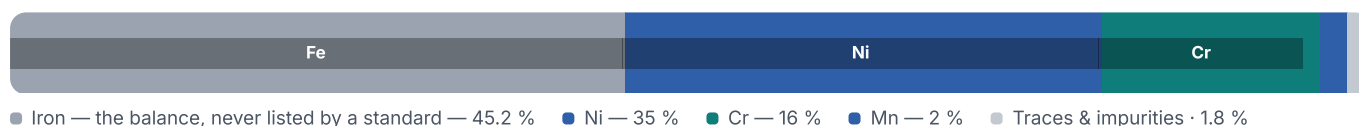
Chemical composition, mechanical and physical property values, and 26 standard designations from 13 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
8 g/cm ³	26 in 13 regions	9 on file

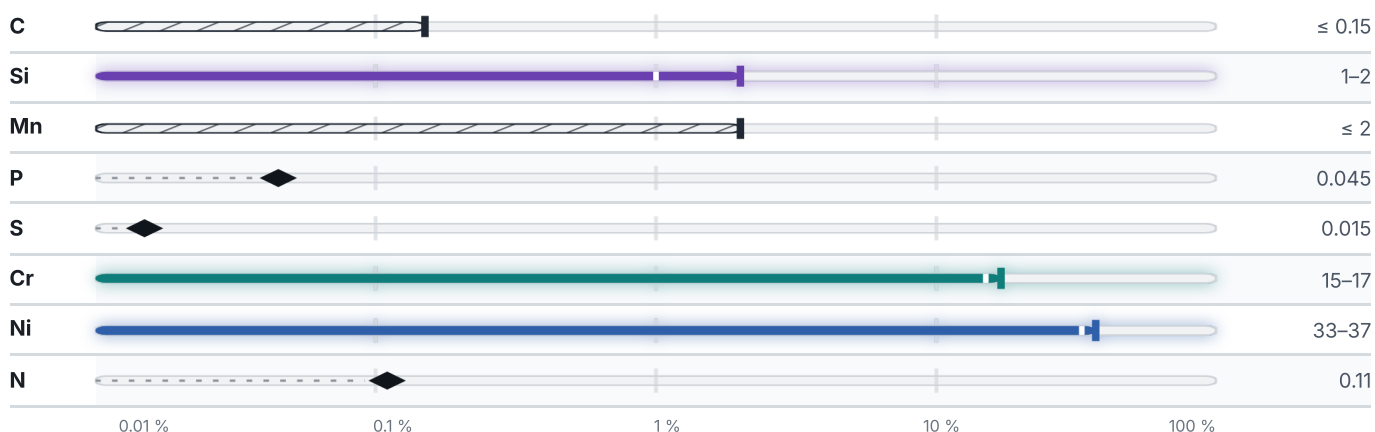
Chemical composition

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 ³

Designations across standards

26 designations · 3 documented as identical

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

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.

1.4864

ISSUED

Aug 20, 2026