SteelEquivalents.com

Material datasheet
As of Aug 20, 2026

MATERIAL NUMBER 1.4876 · CLASS 1.4

X10NiCrAlTi32-20

Material no. 1.4876

Chemical composition, mechanical and physical property values, and 46 standard designations from 11 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
8 g/cm³	46 in 11 regions	10 on file

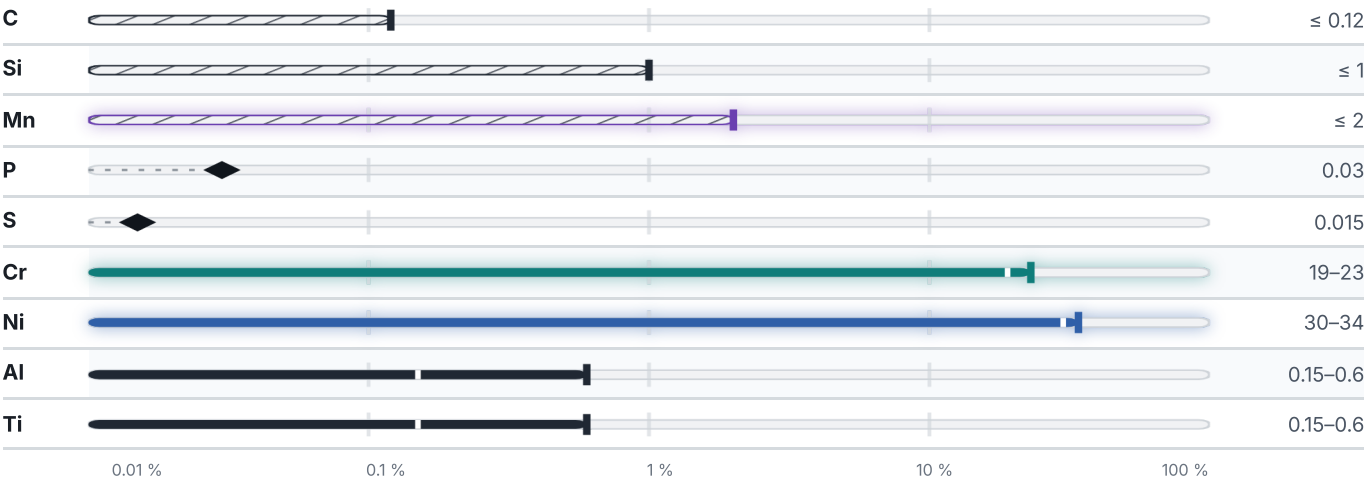
Chemical composition

Mass fraction in %

What this alloy is

Iron — the balance, never listed by a standard — 43.1 % · Ni — 32 % · Cr — 21 % · Mn — 2 % · Traces & impurities · 1.9 %

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	192

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	8	g/cm³

Designations across standards

46 designations · 6 documented as identical

United States 20

Incoloy 800	uns
Incoloy 800H	uns
Incoloy 800HT	uns
N08332 This grade's own name	uns
N08800 This grade's own name	uns
N08810 This grade's own name	uns
N08811	uns
800	aisi-sae
B 163	aisi-sae
N08332	aisi-sae
N08800	aisi-sae
N08810	aisi-sae
N08811	aisi-sae
A 240	astm
B 366	astm
B 407	astm
B 408	astm
B 409	astm
B 515	astm
B564	astm

France 4

Z10NC32-21	afnor
Z5 NC 35-20	afnor
Z8NC32.21	afnor
Z8NC33-21	afnor

Spain 4

33-21	une
F.3314	une
F.3545	une
F.3545-X9NiCr	une

Europe 3

X10NiCrAlTi32-20 This grade's own name	din-en
X10NiCrAlTi32-21 This grade's own name	din-en
X8NiCrAlTi32-21 This grade's own name	din-en

United Kingdom 3

3076 NA 15 H	bs
NA 15	bs
NA15(H)	bs

International 3

FeNi32Cr21AlTi	iso
NW8800	iso
X8NiCrAlTi32-21	iso

Japan 3

NCF 800	jis
NCF 800 TB	jis
NCF 800 TP	jis

United States / Aerospace 2

5766	ams
5871	ams

Russia / CIS 2

Ch20N32T	gost
EP670 /ChN32T	gost

Czechia 1

17358	csn

Slovakia 1

17 358	stn

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.

DATASHEET ONLINE	GRADE SEARCH	MATERIAL NO.	ISSUED
View the material page	Search all grades	1.4876	Aug 20, 2026