SteelEquivalents.com

Material datasheet
As of Aug 20, 2026

MATERIAL NUMBER 1.6368 · CLASS 1.6

15NiCuMoNb5-6-4

Material no. 1.6368

also listed as 15NiCuMoNb5

Chemical composition, mechanical and physical property values, and 13 standard designations from 5 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.85 g/cm³	**13** in 5 regions	**13** on file

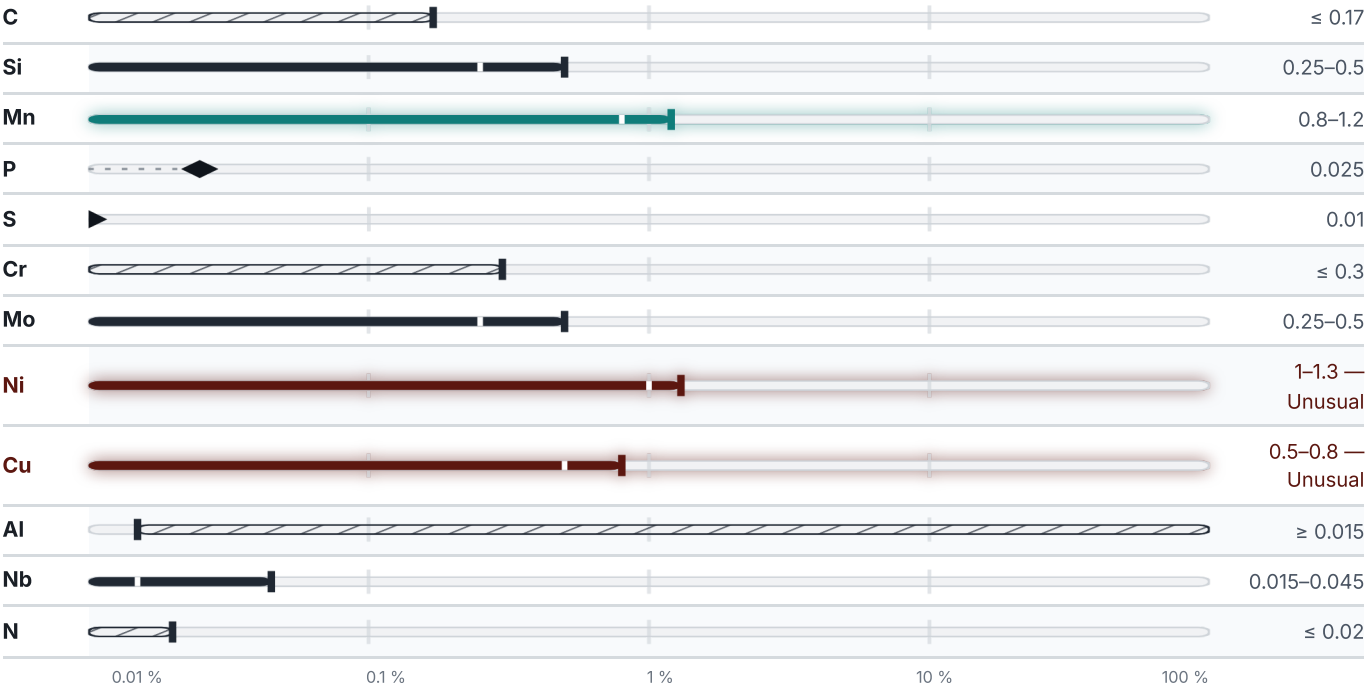
Chemical composition

Mass fraction in %

What this alloy is

Iron — the balance, never listed by a standard — 95.9 % · Ni — 1.2 % · Mn — 1 % · Cu — 0.7 % · Traces & impurities · 1.3 %

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

computed from composition · °C

PREDICTED AE3	PREDICTED AE1	PREDICTED ACM	PREDICTED BS
806 °C	705 °C	408 °C	535 °C

Mechanical properties

9 values across 1 conditions

CONDITION · DIMENSION	REH N/mm²	RM N/mm²
≤ 40	460	–
40 – 60	440	–
≤ 60	–	610–780
60 – 100	430	600–760
100 – 150	420	590–740
150 – 200	410	580–740

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

13 designations · 3 documented as identical

Poland 5

15NCuMNb	pn
15NCuMNbA	pn
18CuNMT	pn
K32Nb	pn
K32NbA	pn

United States 4

K12529	uns
K12539	uns
K12554	uns
K12766 This grade's own name	uns

Europe 2

15NiCuMoNb5 This grade's own name	din-en
15NiCuMoNb5-6-4 This grade's own name	din-en

United Kingdom 1

591	bs

International 1

9NiMnMoNb5-4-4	iso

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 15NiCuMoNb5-6-4

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	1.6368	Aug 20, 2026