

1X21H5T

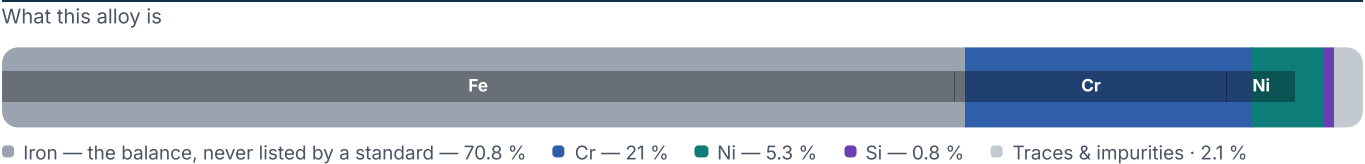
also listed as 12KH21N5T

Chemical composition, mechanical and physical property values, and 4 standard designations from 1 regions.

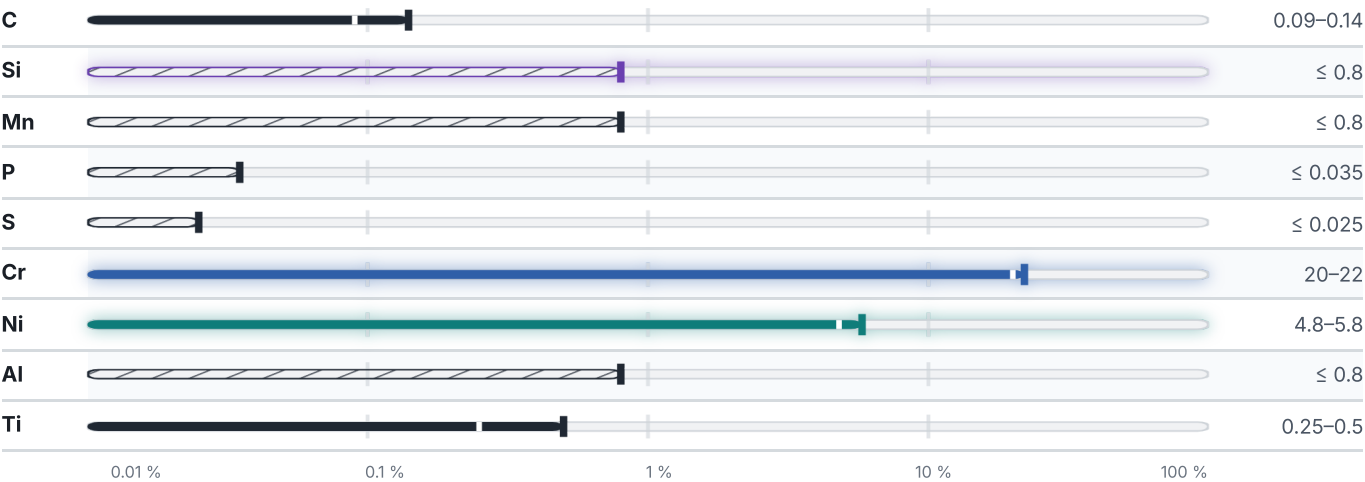
OTHER DESIGNATIONS	PROPERTY VALUES
4 in 1 regions	9 on file

Chemical composition

Mass fraction in %



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

6 values across 2 conditions

CONDITION · DIMENSION	RM N/mm ²	RE N/mm ²	A5 %
Sheet trick, GOST 7350-77	690	390	14

CONDITION · DIMENSION	RM N/mm ²	RE N/mm ²	A5 %
Sheet thin, GOST 5582-75	690	440	18

Designations across standards

4 designations · 1 documented as identical

Russia / CIS	4
12KH21N5T This grade's own name	gost
12X21H5T	gost
1X21H5T	gost
ЭИ811	gost

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 1X21H5T

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	—	Aug 15, 2026