

3M904

also listed as 09KH15N8YU

Chemical composition, mechanical and physical property values, and 5 standard designations from 1 regions.

OTHER DESIGNATIONS	PROPERTY VALUES
5 in 1 regions	8 on file

Chemical composition

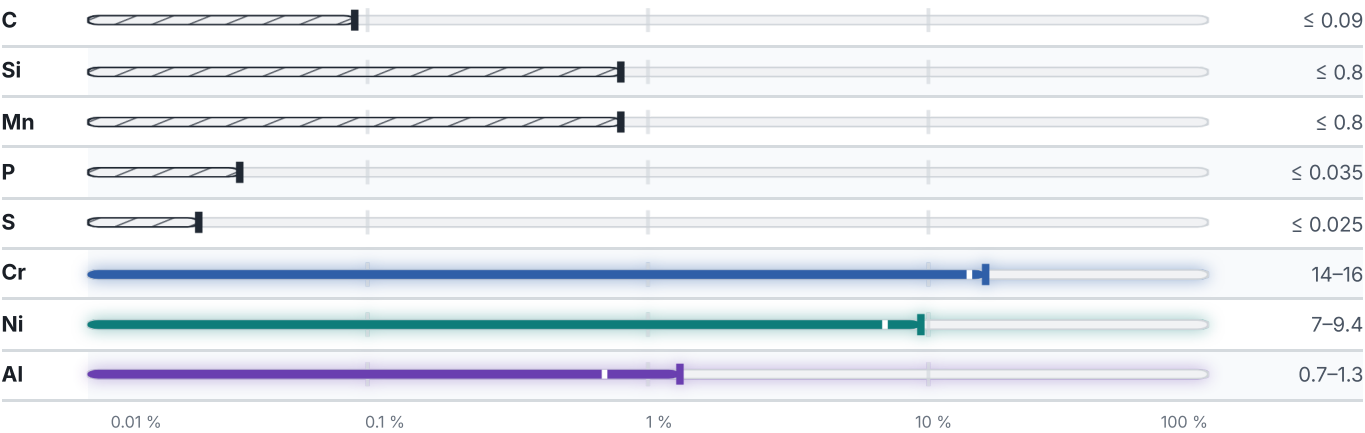
Mass fraction in %

What this alloy is



Iron — the balance, never listed by a standard — 74.1 % Cr — 15 % Ni — 8.2 % Al — 1 % Traces & impurities · 1.8 %

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

8 values across 3 conditions

CONDITION · DIMENSION	RM N/mm ²	A5 %
Sheet thin cold-worked , GOST 4986-79	1270	2–4
Sheet thin, GOST 4986-79	980	3–6
CONDITION · DIMENSION	RM N/mm ²	A5 %
Sheet thin, GOST 4986-79	1130	8–15
CONDITION · DIMENSION	RM N/mm ²	A5 %
Sheet thin, GOST 5582-75	1080	20

Designations across standards

5 designations · 1 documented as identical

Russia / CIS	5
09KH15N8YU This grade's own name	gost
09X15H8Ю	gost
09X15H8Ю1	gost
X15H9Ю	gost
3И904	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 3И904

[Start an enquiry](#)

Quotation, availability, mill certificate or a technical question — directly on the material page.

DATASHEET ONLINE

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GRADE SEARCH

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MATERIAL NO.

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ISSUED

Aug 15, 2026