

X14HBΦP

also listed as 13KH14N3V2FR

Chemical composition, mechanical and physical property values, and 7 standard designations from 1 regions.

OTHER DESIGNATIONS	PROPERTY VALUES
7 in 1 regions	11 on file

Chemical composition

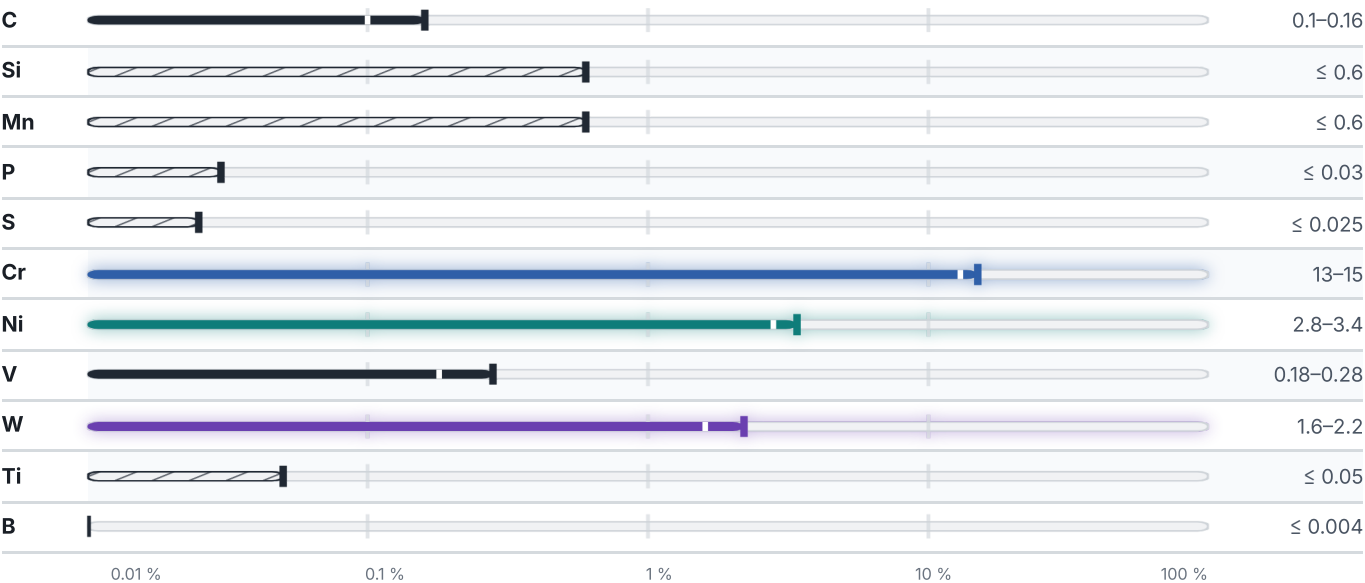
Mass fraction in %

What this alloy is



Iron — the balance, never listed by a standard — 79.3 % Cr — 14 % Ni — 3.1 % W — 1.9 % Traces & impurities · 1.7 %

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

11 values across 3 conditions

QUENCHING 1040 - 1060°C, OIL, DRAWING 640 - 680°C, AIR	RM N/mm ²	RE N/mm ²	A5 %	Z %	KCU kJ/m ²
to Ø 60	930	735	14	55	880
CONDITION · DIMENSION	RM N/mm ²	RE N/mm ²	A5 %	Z %	KCU kJ/m ²
Bar, GOST 5949-75	1130	885	12	50	690
CONDITION · DIMENSION					HB
13KH14N3V2FR (13X14H3B2ΦP) (annealing) , Bar GOST 5949-75					302

Designations across standards

7 designations · 1 documented as identical

Russia / CIS	7
13KH14N3V2FR This grade's own name	gost
13Kh14N3V2FRL	gost
13X14H3B2ΦP	gost
513Л	gost
X14HBΦP	gost
ЭИ736	gost
ЭИ736Л	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 X14HBΦP

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