

1X14H18B25P1

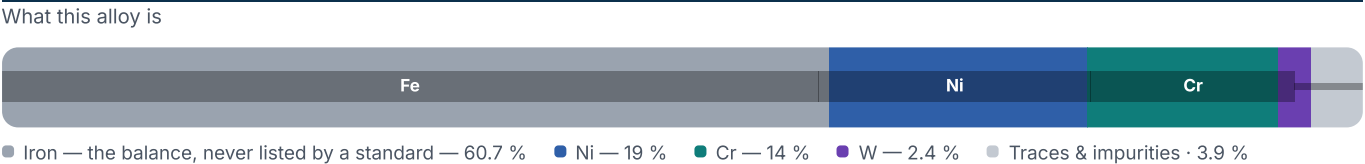
also listed as 09KH14N19V2BR1

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

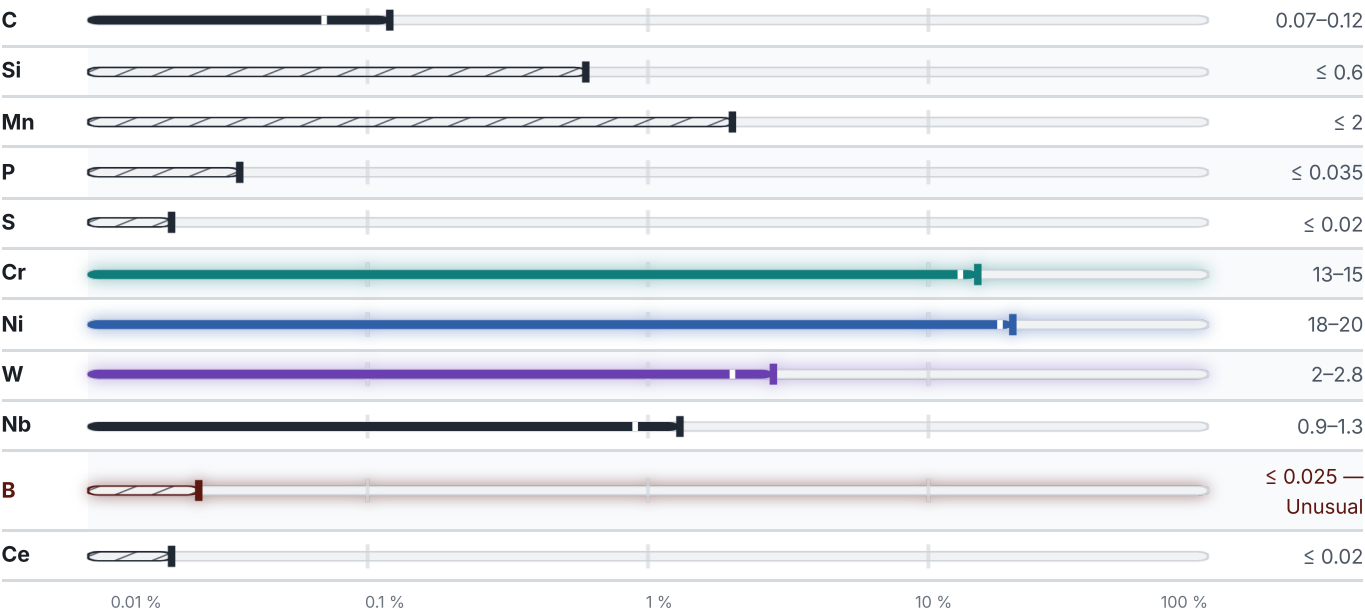
OTHER DESIGNATIONS	PROPERTY VALUES
4 in 1 regions	12 on file

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

4 values across 1 conditions

QUENCHING AND DRAWING	RM N/mm ²	RE N/mm ²	A5 %	Z %
Ø 60	510	215	30	44

Physical properties

1 values

CONDITION · DIMENSION	RHO g/cm ³	E GPa	ALPHA 10 ⁻⁶ /K	LAMBDA W/(m·K)
20	8.12	202	–	15.4
100	–	199	15.2	16.3
200	–	193	16.3	16.3
300	–	186	16.9	18
400	–	178	17.5	19.2
500	–	169	17.8	21.3
600	–	160	18.1	23.4
700	–	152	18.6	25.1
750	–	148	–	–
800	–	–	18.6	27.6

Technological properties

PROPERTY	VALUE	UNIT
Weldability	hard weldability.	

Designations across standards

4 designations · 1 documented as identical

Russia / CIS	4
09KH14N19V2BR1 This grade's own name	gost
09X14H19B25P1	gost
1X14H18B25P1	gost
ЭИ726	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 1X14H18B25P1

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

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MATERIAL NO.

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ISSUED

Aug 15, 2026