

4CrW2Si

also listed as 35WCrV7

Chemical composition, mechanical and physical property values, and 7 standard designations from 6 regions.

OTHER DESIGNATIONS	PROPERTY VALUES
7 in 6 regions	9 on file

Chemical composition

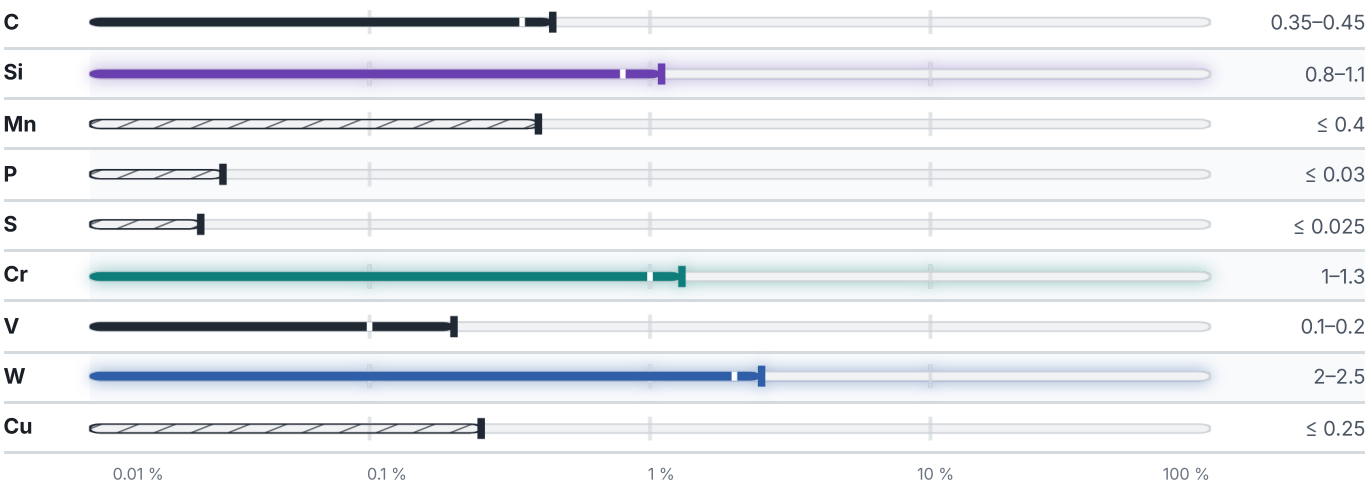
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 94.4 % ● W — 2.3 % ● Cr — 1.2 % ● Si — 1 % ● 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

Not enough recorded composition to predict a transformation temperature for this grade — missing: Ni, Mo.

Heat treatment

3 regimes

STEP	TEMPERATURE	MEDIUM
Quenching	860–900 °C	Oil
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Annealing	Temperature not stated	—

Designations across standards

7 designations · 1 documented as identical

Europe	2	China	1
35WCrV7	din-en	4CrW2Si This grade's own name	gb
45WCrV7	din-en		
United Kingdom	1	Russia / CIS	1
BS1	bs	4XB2C	gost
Japan	1	South Korea	1
SKS41	jis	SKS41	ks

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 4CrW2Si

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

Start an enquiry

DATASHEET ONLINE

View the material page

GRADE SEARCH

Search all grades

MATERIAL NO.

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ISSUED

Aug 15, 2026