

MATERIAL NUMBER 1.2601 · CLASS 1.2

X165CrMoW12KU

Material no. 1.2601

also listed as X165CrMoV12

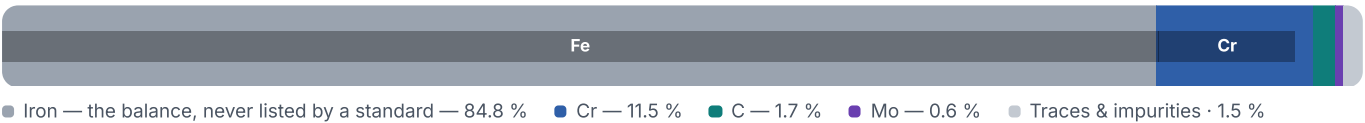
Chemical composition, mechanical and physical property values, and 26 standard designations from 15 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 26 in 15 regions	PROPERTY VALUES 13 on file
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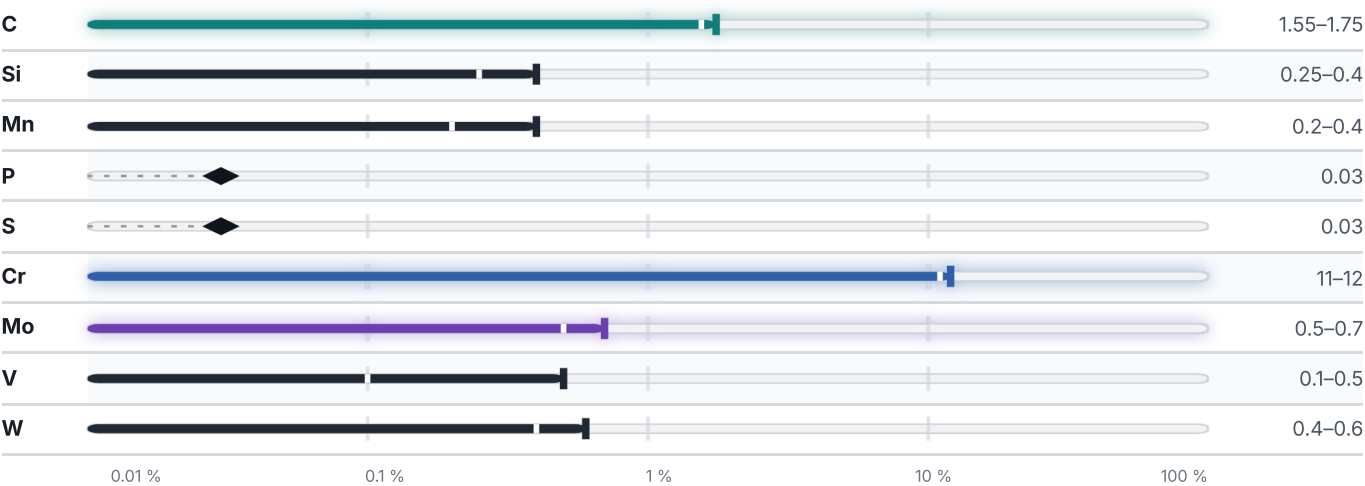
Chemical composition

Mass fraction in %

What this alloy is



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.

Mechanical properties

1 values across 1 conditions

CONDITION · DIMENSION	HB
(annealing)	255

Physical properties

4 values

CONDITION · DIMENSION	RHO g/cm³	ALPHA 10 ⁻⁶ /K	RHO_EL nΩ·m
20	7.7	–	580
100	–	10.9	–

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³
Transformation point Ac1	830	°C
Transformation point Ac3	855	°C
Transformation point Ar1	750	°C

Designations across standards

26 designations · 1 documented as identical

China	4	Spain	2
Cr12Mo1V1	gb	F.5211	une
Cr12MoV	gb	X160CrMoV12	une
T21201	gb	International	2
T21202	gb	X153CrMoV12	iso
Russia / CIS	4	X160CrMoV12-1	iso
Ch12MF	gost	United Kingdom	1
KH12M	gost	BD2	bs
X12M	gost	Japan	1
X12MΦ	gost	SKD11	jis
Europe	2	Italy	1
1.2601	din-en	X165CrMoW12KU	uni
X165CrMoV12 This grade's own name	din-en	Sweden	1
United States	2	2310	ss
T30402	uns	Czechia	1
~D 2	aisi-sae	19572	csn
France	2	Slovakia	1
X160CrMoV12	afnor	19 572	stn
Z160CDV12	afnor		

Serbia	1	Poland	1
Č.4750	srps	NC11LV	pn

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 X165CrMoW12KU

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	1.2601	Aug 20, 2026