

MATERIAL NUMBER 1.0234 · CLASS 1.0

SWRCH16R

Material no. 1.0234

also listed as C15C

Chemical composition, mechanical and physical property values, and 14 standard designations from 8 regions.

DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 14 in 8 regions	PROPERTY VALUES 7 on file
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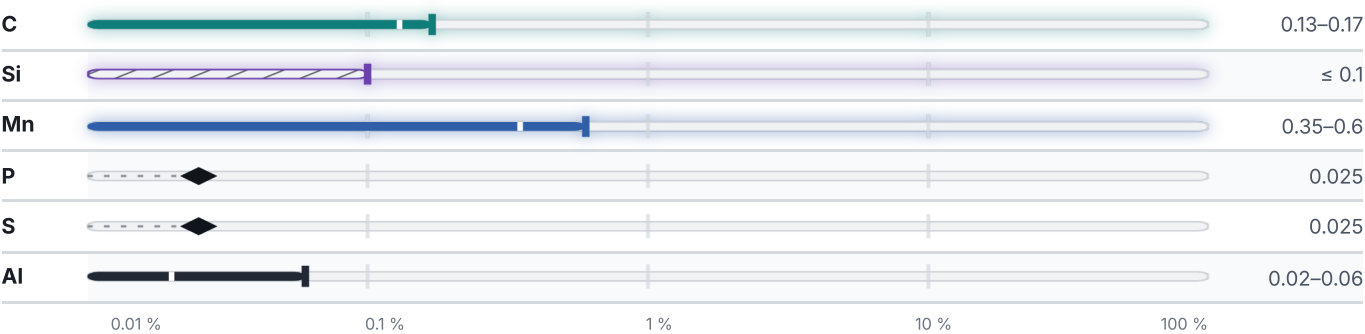
Chemical composition

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, Cr, Mo.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Heat treatment

1 regimes

STEP	TEMPERATURE	MEDIUM
Annealing	Temperature not stated	—

Designations across standards

14 designations · 3 documented as identical

Europe	3	Russia / CIS	2
C15C This grade's own name	din-en	15nc	gost
C15E2C	din-en	ст.15nc	gost
QSt 38-3 This grade's own name	din-en		
Japan	3	International	1
SWRCH15A	jis	C15GC	iso
SWRCH15K	jis	China	1
SWRCH16R	jis	ML15	gb
United States	2	Italy	1
1015	astm	CB 15	uni
A 29 1015	astm	South Korea	1
		SWRCH15A This grade's own name	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 SWRCH16R

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	1.0234	Aug 20, 2026