

MATERIAL NUMBER 1.3202 · CLASS 1.3

R12MF4K5

Material no. 1.3202

also listed as HS12-1-4-5

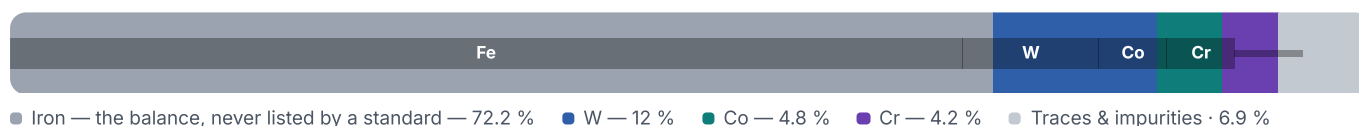
Chemical composition, mechanical and physical property values, and 16 standard designations from 12 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
8.4 g/cm ³	16 in 12 regions	11 on file

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
Annealed	285

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	8.4	g/cm ³

Heat treatment

4 regimes

STEP	TEMPERATURE	MEDIUM
source joins the operations with + / procedural order		
Preheating	800–900 °C	—
Quenching	1220–1240 °C	—
Tempering	550 °C	—
Annealing	Temperature not stated	—
Annealing	Temperature not stated	—
source joins the operations with + / procedural order		
Quenching	Temperature not stated	—
Tempering	Temperature not stated	—

Designations across standards

16 designations · 5 documented as identical

Europe	2	United Kingdom	1
HS12-1-4-5 This grade's own name	din-en	BT15	bs
S12-1-4-5 This grade's own name	din-en	France	1
United States	2	Z160WKVC12-05-05-04	afnor
T12015 This grade's own name	uns	Japan	1
T15 This grade's own name	aisi-sae	SKH10	jis
Spain	2	China	1
12-1-5-5	une	W12Cr4V5Co5	gb
F.5563	une	Czechia	1
Russia / CIS	2	19 858	csn
R12MF4K5	gost		
P12MΦ5K5	gost		

Serbia	1	South Korea	1
Č.9681	srps	SKH10	This grade's own name ks
Poland	1		
SK5V	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 R12MF4K5

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	1.3202	Aug 20, 2026