

MATERIAL NUMBER 1.7264 · CLASS 1.7

20CrMo5

Material no. 1.7264

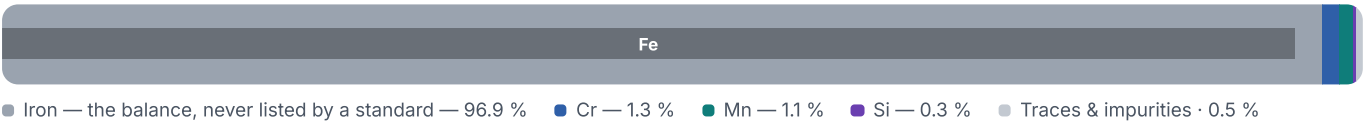
Chemical composition, mechanical and physical property values, and 6 standard designations from 5 regions.

DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 6 in 5 regions	PROPERTY VALUES 10 on file
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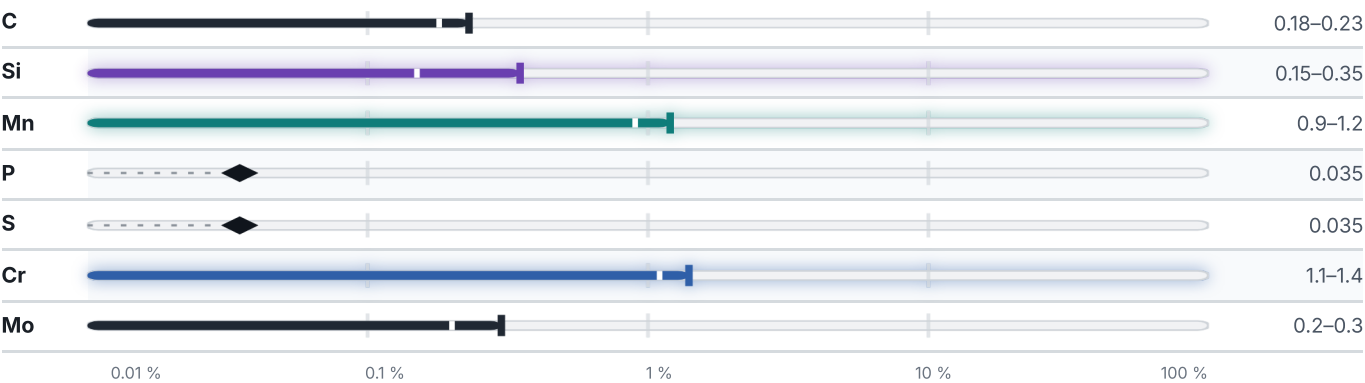
Chemical composition

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

5 values across 1 conditions

CONDITION · DIMENSION	RM N/mm ²	RE N/mm ²	A5 %	Z %	KCU kJ/m ²
Bar, GOST 4543-71	1180	1080	10	45	780

Physical properties

3 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Technological properties

PROPERTY	VALUE	UNIT
Flake sensitivity	not predisposed	
Temper brittleness	not predisposed	

Designations across standards

6 designations · 1 documented as identical

Russia / CIS	2	Japan	1
25KHGM	gost	SCM421	jis
25XFM	gost	Czechia	1
Europe	1	15 124	csn
20CrMo5 This grade's own name	din-en	Serbia	1
		Č.4721	srps

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 20CrMo5

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	1.7264	Aug 20, 2026