

MATERIAL NUMBER 1.5423 · CLASS 1.5

4520

Material no. 1.5423

also listed as 16Mo5

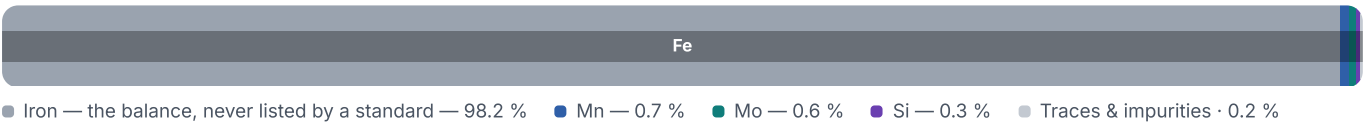
Chemical composition, mechanical and physical property values, and 20 standard designations from 5 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 20 in 5 regions	PROPERTY VALUES 7 on file
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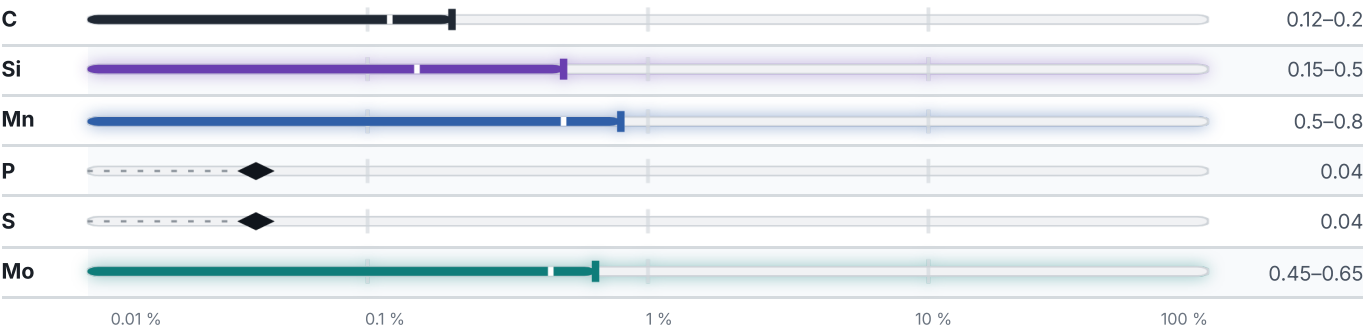
Chemical composition

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.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

20 designations · 14 documented as identical

United States13		Spain3	
G44190	This grade's own nameuns	16Mo5	une
G45200	This grade's own nameuns	F.2602	une
H44190	This grade's own nameuns	F.2602-16Mo5	une
K11522	This grade's own nameuns	Europe2	
K11820	This grade's own nameuns		
K12020	This grade's own nameuns	1.5423	din-en
K12023	This grade's own nameuns	16Mo5	This grade's own namedin-en
K12320	This grade's own nameuns	United Kingdom1	
K12821	This grade's own nameuns		
K12822	This grade's own nameuns	1503-245-420	bs
4419	This grade's own nameaisi-sae	Italy1	
4419H	This grade's own nameaisi-sae		
4520	This grade's own nameaisi-sae	16Mo5	uni

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 4520

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	1.5423	Aug 20, 2026