

MATERIAL NUMBER 1.5423 · CLASS 1.5

16Mo5

Material no. 1.5423

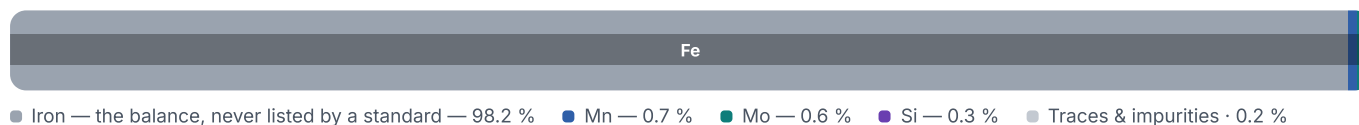
Chemical composition, mechanical and physical property values, and 20 standard designations from 5 regions.

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

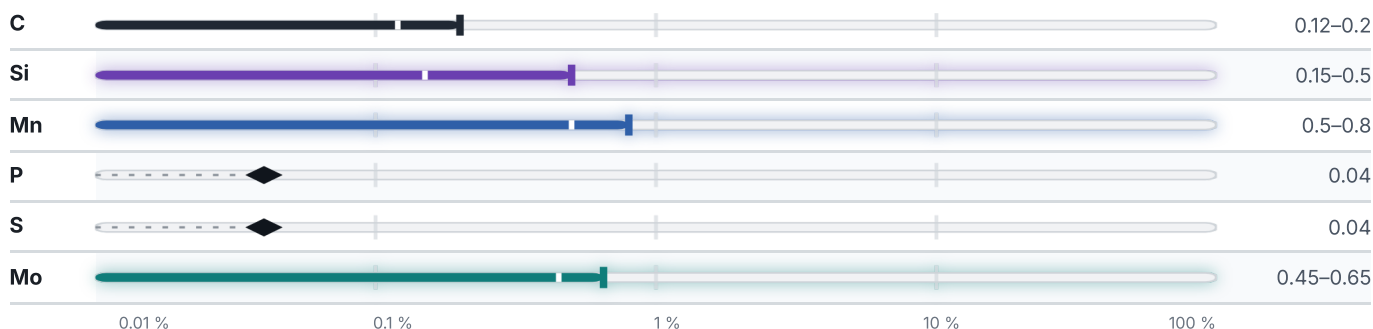
Chemical composition

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, Cr.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

20 designations · 14 documented as identical

United States		13	Spain		3
G44190	This grade's own name	uns	16Mo5		une
G45200	This grade's own name	uns	F.2602		une
H44190	This grade's own name	uns	F.2602-16Mo5		une
K11522	This grade's own name	uns	Europe		2
K11820	This grade's own name	uns	1.5423		din-en
K12020	This grade's own name	uns	16Mo5	This grade's own name	din-en
K12023	This grade's own name	uns	United Kingdom		1
K12320	This grade's own name	uns	1503-245-420		bs
K12821	This grade's own name	uns	Italy		1
K12822	This grade's own name	uns	16Mo5		uni
4419	This grade's own name	aisi-sae			
4419H	This grade's own name	aisi-sae			
4520	This grade's own name	aisi-sae			

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 16Mo5

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