

MATERIAL NUMBER 1.5415 · CLASS 1.5

A 182 Grade F1

Material no. 1.5415

also listed as 15Mo3

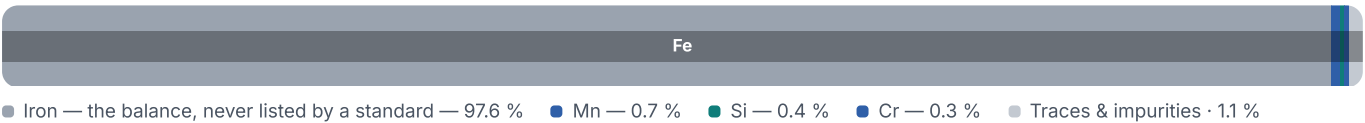
Chemical composition, mechanical and physical property values, and 38 standard designations from 14 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 38 in 14 regions	PROPERTY VALUES 11 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

computed from composition · °C

PREDICTED AE3 816 °C	PREDICTED AE1 721 °C	PREDICTED ACM 432 °C	PREDICTED BS 565 °C
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Mechanical properties

18 values across 2 conditions

NORMALIZED	REH N/mm²	RM N/mm²	A %
≤ 16	275	–	–
16 – 40	270	–	–
40 – 60	260	–	23
≤ 40	–	–	24
≤ 60	–	440–590	–
60 – 100	240	430–580	22
100 – 150	220	420–570	19
150 – 250	210	410–570	–
QUENCHED AND TEMPERED	REH N/mm²	RM N/mm²	
≤ 250	265	440–570	
250 – 500	250	420–550	

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

38 designations · 6 documented as identical

United States		12	International		3	
K11820	This grade's own name	uns	F26		iso	
K12020	This grade's own name	uns	P26		iso	
K12320	This grade's own name	uns	TS26		iso	
K12822	This grade's own name	uns	Italy			3
A204 (A)		aisi-sae	15Mo3		uni	
A204Gr.A		aisi-sae	16Mo3		uni	
A204Gr.B		aisi-sae	16Mo3KW		uni	
ASTM A204Gr.A		aisi-sae	France			2
A 182 Grade F1		astm	15D3		afnor	
A 234 Grade WP1		astm	15M03		afnor	
A 335 Grade P1		astm	Japan			1
A204		astm	STBA12		jis	
Europe		4	Sweden			1
1.5415		din-en	2912		ss	
15Mo3	This grade's own name	din-en	Czechia			1
16Mo3	This grade's own name	din-en	15020		csn	
A204Gr.B		din-en	Slovakia			1
United Kingdom		4	15 020		stn	
1501-240		bs	Poland			1
1503-243B		bs	16M		pn	
240		bs	Serbia			1
243		bs	Č.7100		srps	
Spain		3	Austria			1
16Mo3		une	15Mo3KW		onorm	
F.2601		une				
F.2601 -16 Mo 3		une				

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 A 182 Grade F1

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	1.5415	Aug 20, 2026