

MATERIAL NUMBER 1.0401 · CLASS 1.0

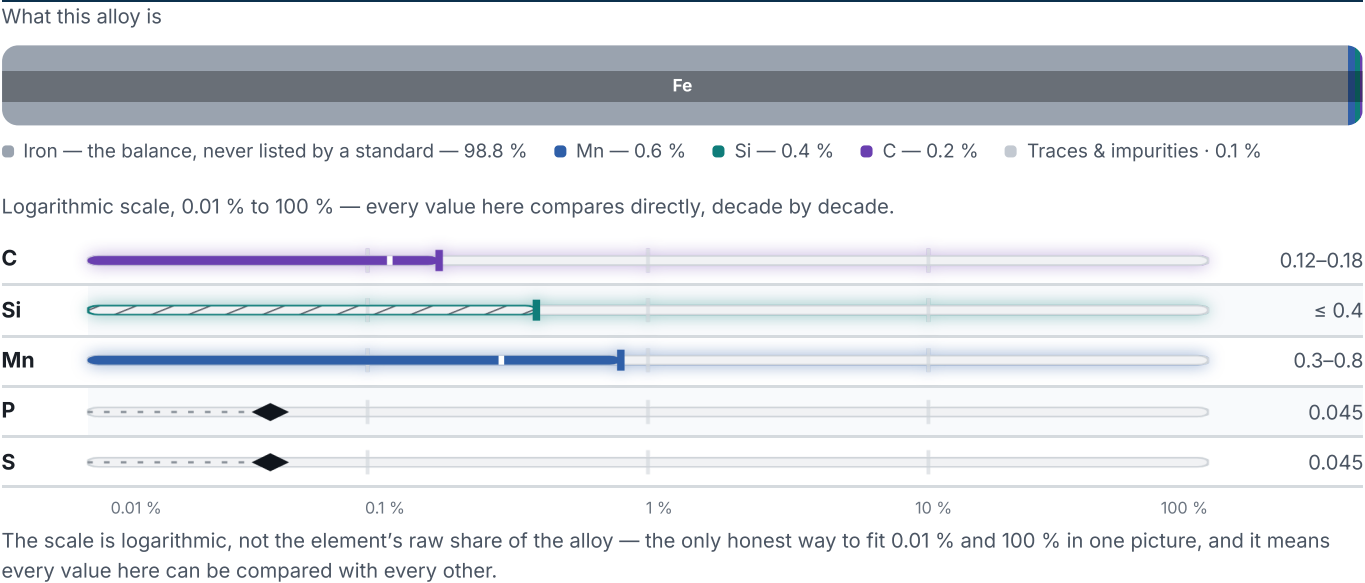
1.0401

Chemical composition, mechanical and physical property values, and 62 standard designations from 23 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 62 in 23 regions	PROPERTY VALUES 6 on file
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Chemical composition

Mass fraction in %



Predicted transformation temperatures

Not enough recorded composition to predict a transformation temperature for this grade — missing: Ni, Cr, Mo.

Mechanical properties

11 values across 2 conditions

COLD DRAWN / HARD	RM N/mm ²	A %
5 – 10	500–800	7
10 – 16	480–780	8

COLD DRAWN / HARD	RM N/mm ²	A %
16 – 40	430–730	9
40 – 63	380–670	11
63 – 100	340–600	12
AS ROLLED AND TURNED		HB
As rolled and turned		98–178

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

62 designations · 5 documented as identical

United States	10	United Kingdom	5
G10150 This grade's own name	uns	040A15	bs
G10170 This grade's own name	uns	080A15	bs
1015 This grade's own name	aisi-sae	080M15	bs
1016	aisi-sae	095M15	bs
1017 This grade's own name	aisi-sae	C15E	bs
1018	aisi-sae		
G10150	aisi-sae	Japan	4
G10170	aisi-sae	S15	jis
M1015	aisi-sae	S15C	jis
M1017	aisi-sae	S15CK	jis
		S17C	jis
France	6	Europe	3
AF37C12	afnor	1.0401	din-en
C18RR	afnor	C15 This grade's own name	din-en
CC12	afnor	Ck15	din-en
XC12	afnor		
XC15	afnor		
XC18	afnor	China	3
Spain	6	15	gb
C15E	une	H15A	gb
C15k	une	ZG200-400	gb
C16k	une		
F.111	une	Australia / New Zealand	3
F.1110	une	K1015	as-nzs
F.1511	une	K1018	as-nzs
		K1020	as-nzs

Romania	3	Latin America	1
OLC15	stas	1016	copant
OLC15AT	stas		
OLC15X	stas	Poland	1
		15	pn
Russia / CIS	2	Serbia	1
15	gost	Č.1220	srps
ct15	gost		
Italy	2	Croatia	1
C15	uni	Č.1220	hrn
C16	uni		
Sweden	2	Hungary	1
1350	ss	C15	msz
1370	ss		
Czechia	2	Bulgaria	1
12020	csn	15	bds
12023	csn		
South Korea	2	Austria	1
SM15C	ks	RC15	onorm
SM15CK	ks		
		Belgium	1
		C16-2	nbn
		Switzerland	1
		Ck15	snv

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 1.0401

Quotation, availability, mill certificate or a technical question — directly on the material page.

[Start an enquiry](#)

DATASHEET ONLINE

View the material page

GRADE SEARCH

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MATERIAL NO.

1.0401

ISSUED

Sep 8, 2026