

MATERIAL NUMBER 1.3401 · CLASS 1.3

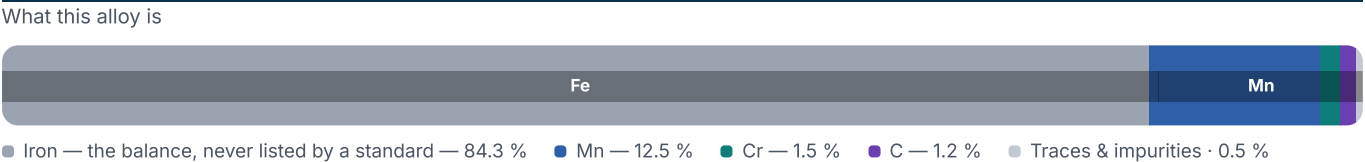
1.3401

Chemical composition, mechanical and physical property values, and 57 standard designations from 19 regions.

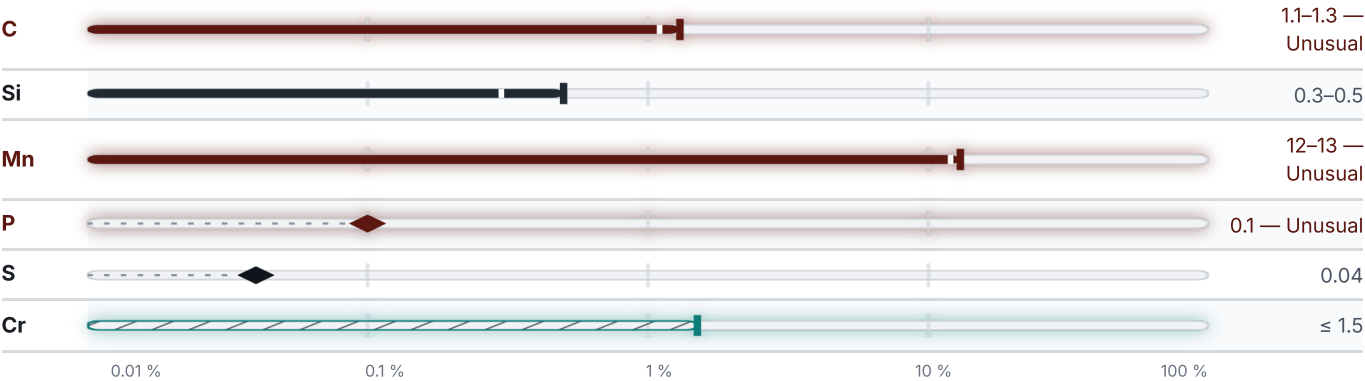
DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 57 in 19 regions	PROPERTY VALUES 10 on file
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Chemical composition

Mass fraction in %



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, Mo.

Mechanical properties

4 values across 1 conditions

CONDITION · DIMENSION	RM N/mm²	RE N/mm²	A5 %	Z %
Casting, GOST 21357-87	800	400	25	35

Physical properties

4 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Technological properties

PROPERTY	VALUE	UNIT
Weldability	is not used.	
Flake sensitivity	not predisposed	
Temper brittleness	not predisposed	

Designations across standards

57 designations · 1 documented as identical

United States		9	Russia / CIS		5
A128	aisi-sae		110G13L		gost
A128(A)	aisi-sae		110Г13Л		gost
J91109	aisi-sae		120G13		gost
J91119	aisi-sae		EI256		gost
J91129	aisi-sae		G13		gost
J91139	aisi-sae				
J91149	aisi-sae		France		4
A128	astm		GD 233		afnor
A128(A)	astm		Z120M12		afnor
			Z120M12M		afnor
			Z120Mn12		afnor
Spain		7			
120	une		China		4
AM-X-120Mn12	une				
F.240	une		ZGMn13-1		gb
F.8251	une		ZGMn13-1-4		gb
F.82551-AM-X	une		ZGMn13-2		gb
Mn12	une		ZGMn13-3		gb
X120Mn12	une		Europe		2
United Kingdom		6	1.3401		din-en
BW10	bs		X120Mn12	This grade's own name	din-en
Ma2	bs		Italy		2
Ma3	bs				
Ma5	bs		GX120Mn12		uni
MaZ	bs		XG120Mn12		uni
Z120M12	bs		Czechia		2
Japan		5	17618		csn
SCMnH	jis		422920		csn
SCMnH1	jis		Poland		2
SCMnH11	jis				
SCMnH2	jis		C120G13		pn
SCMnH3	jis		L120G13		pn

Romania	2	Hungary	1
T105Mn120	stas	X120Mn13	msz
T130Mn135	stas		
Sweden	1	Austria	1
2183	ss	BOHLERK700	onorm
Slovakia	1	Finland	1
17 618	stn	G-X120Mn13	sfs
Serbia	1	South Korea	1
Č.3160	srps	SCMnH1	ks

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 1.3401

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	1.3401	Aug 20, 2026