

MATERIAL NUMBER 1.0570 · CLASS 1.0

S325G

Material no. 1.0570

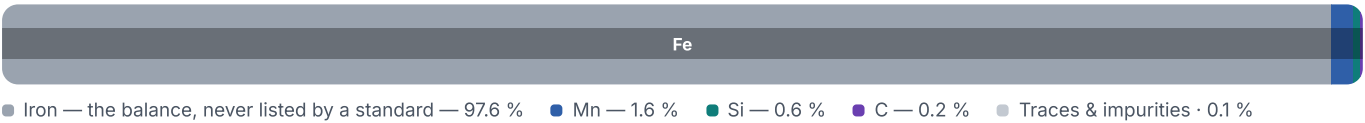
Chemical composition, mechanical and physical property values, and 101 standard designations from 20 regions.

DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 101 in 20 regions	PROPERTY VALUES 6 on file
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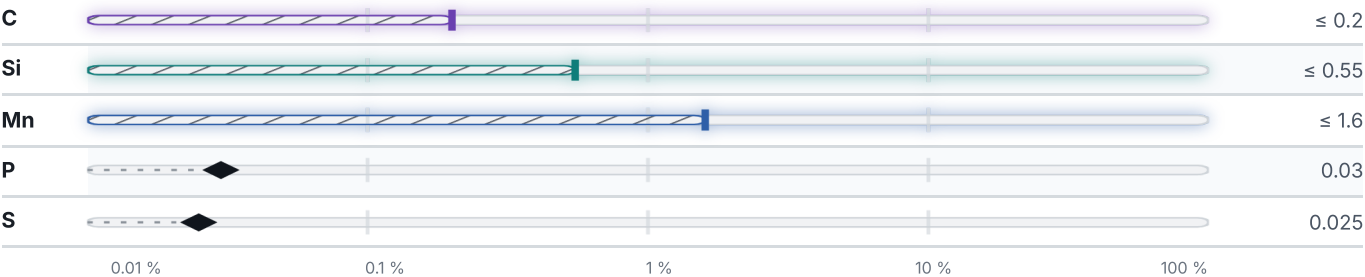
Chemical composition

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, Mo.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

101 designations · 3 documented as identical

United Kingdom		15	Russia / CIS		7
1449-50/35HR	bs		17G1S		gost
1449-50/35HS	bs		17GS		gost
4360 50 B	bs		17Г1C		gost
4360-50C	bs		17ГC		gost
4360-50D	bs		35		gost
50C	bs		S345		gost
50D	bs		C345		gost
CEW5	bs				
D1FF	bs		Poland		7
ERW5	bs		15GA		pn
Fe510	bs		16G2		pn
Fe510D1FF	bs		18G2		pn
S355J0	bs		18G2A		pn
S355J2G3	bs		18G2AA		pn
SAW5	bs		18G2ACu		pn
			G355		pn
Japan		14	China		6
SM490	jis		16Mn		gb
SM490A	jis		16MnDR		gb
SM490B	jis		16Mng		gb
SM490C	jis		16MnL		gb
SM490YA	jis		16MnR		gb
SM50A	jis		HP345		gb
SM520B	jis				
SM520C	jis		Sweden		6
SM53C	jis		2132		ss
SS490C	jis		2133		ss
STK490	jis		2134		ss
STKM16C	jis		2135-01		ss
STKR490	jis		2172		ss
			2174		ss
Italy		11	France		5
Fe510	uni		E36-3		afnor
Fe510B	uni		E36-4		afnor
Fe510C	uni		S355J0		afnor
Fe510CFN	uni		S355J2G3		afnor
Fe510D	uni		S355K2G3		afnor
Fe52BFN	uni				
Fe52CFN	uni		Spain		5
FeE420	uni		A510C		une
S355J0	uni		AE355D		une
S355J2G3	uni		Fe510D1FF		une
S355JR	uni		S355J2G3		une
			S355J2G4		une

Europe	4	Romania	2
1.0570	din-en	OL52.3	stas
S325G This grade's own name	din-en	OL52.4	stas
St 52-3 G This grade's own name	din-en		
St52-3	din-en	Bulgaria	2
		17GS	bds
Czechia	4	S355J2G3	bds
11438	csn		
11483	csn	Austria	2
11503	csn	St510D	onorm
11523	csn	St52F	onorm
Hungary	4	Slovakia	1
45D	msz	11 503	stn
B50.36	msz		
Fe355C/FF	msz	Serbia	1
S355J2G3	msz	Č.0563	srps
United States	3	Belgium	1
K12037 This grade's own name	uns	FE510D1FF	nbn
1024	aisi-sae		
Gr.50type1-4	aisi-sae	South Korea	1
		STKM16C	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 S325G

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	1.0570	Aug 20, 2026