

MATERIAL NUMBER 1.0036 · CLASS 1.0

S235JRG1+CR

Material no. 1.0036

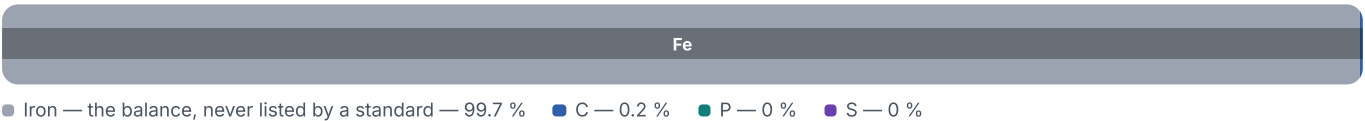
Chemical composition, mechanical and physical property values, and 93 standard designations from 19 regions.

DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 93 in 19 regions	PROPERTY VALUES 5 on file
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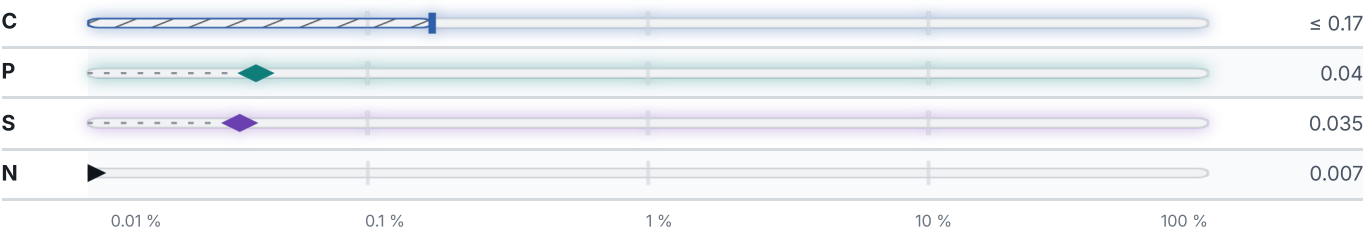
Chemical composition

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: Mn, Si, Ni, Cr, Mo.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

93 designations · 3 documented as identical

United States		14	China		7
K02502	This grade's own name	uns	A3		gb
A283(A)		aisi-sae	Q235		gb
A284Gr.D		aisi-sae	Q235A		gb
A570(33)		aisi-sae	Q235A-F		gb
A570(36)		aisi-sae	Q235A-Z		gb
A573Gr.58		aisi-sae	Q235B		gb
A611Gr.C		aisi-sae	Q235B-Z		gb
K01804		aisi-sae			
K02001		aisi-sae	Spain		6
K02301		aisi-sae	AE235B		une
K02502		aisi-sae	AE235D		une
K02601		aisi-sae	Fe360B		une
K02701		aisi-sae	Fe360D1FF		une
K02702		aisi-sae	S235J2G3		une
			S235JRG1		une
Italy		11	Hungary		6
Fe360B		uni	A1		msz
Fe360BFU		uni	B38.24		msz
Fe360C		uni	B38.24B		msz
Fe360CFN		uni	Fe235B/FU		msz
Fe360D		uni	S235J2G3		msz
Fe360DFF		uni	S235JRG1		msz
Fe37-2		uni			
S235J0		uni	Bulgaria		6
S235J2G3		uni	BSt3kp		bds
S235J2G4		uni	BSt3ps		bds
S235JRG1		uni	Ew-08AA		bds
United Kingdom		9	S235J2G3		bds
1449-37/23CR		bs	S235JRG1		bds
235JRG1		bs	WSt3kp		bds
4360-40B		bs			
4449-250		bs	Czechia		5
Fe360B		bs	10216		csn
Fe360D1FF		bs	10370		csn
HFS4		bs	11343		csn
HFW4		bs	11373		csn
S235J2G3		bs	11378		csn
France		7	Poland		4
4360-40D		afnor	SS400		pn
E24-3		afnor	St3SX		pn
E24-4		afnor	St3SY		pn
S235J0		afnor	St3W		pn
S235J2G3		afnor			
S235J2G4		afnor			
S235JRG1		afnor			

Russia / CIS	3	Japan	2
S255	gost	SS400	jis
St3kp	gost	STKM12A	jis
Ст3кп	gost		
Sweden	3	Romania	2
1311	ss	OB37	stas
1312	ss	OL37.1	stas
1313	ss		
Europe	2	Belgium	2
S235JRG1+CR This grade's own name	din-en	FE360B	nbn
USt 37-2 G This grade's own name	din-en	FED1FF	nbn
International	2	Slovakia	1
E235-A	iso	11 373	stn
Fe360-A	iso	Austria	1
		St37F	onorm

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 S235JRG1+CR

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

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ISSUED

Aug 20, 2026