

MATERIAL NUMBER 1.0589 · CLASS 1.0

S355G3S

Material no. 1.0589

also listed as GL-E 36

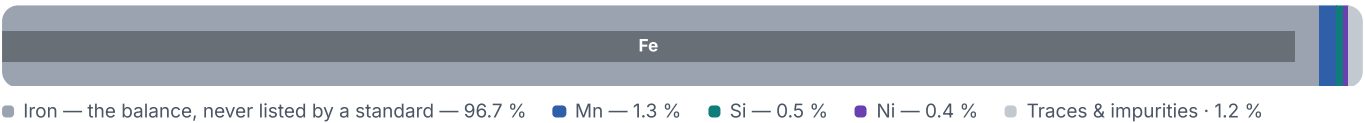
Chemical composition, mechanical and physical property values, and 5 standard designations from 2 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 5 in 2 regions	PROPERTY VALUES 14 on file
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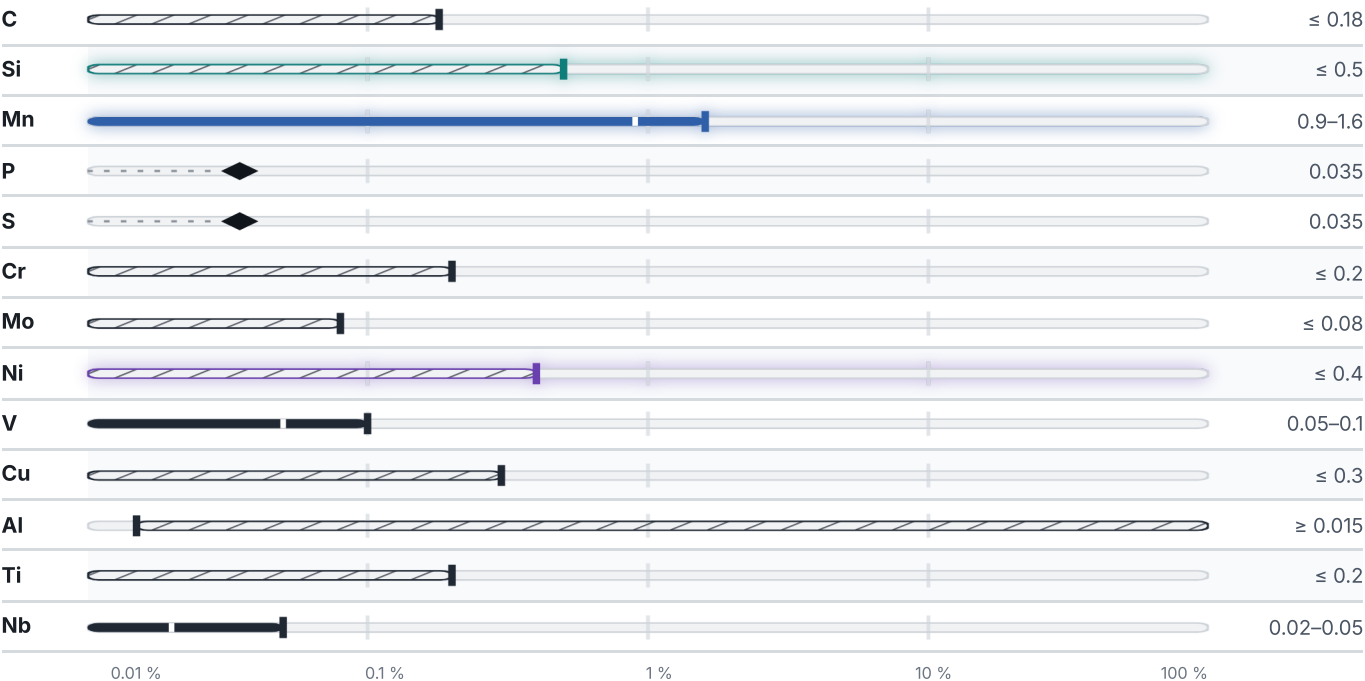
Chemical composition

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 815 °C	PREDICTED AE1 711 °C	PREDICTED ACM 416 °C	PREDICTED BS 554 °C
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Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

5 designations · 4 documented as identical

Europe3		United States2	
GL-E 36	This grade's own name din-en	K11852	This grade's own name uns
GL-EH 36	This grade's own name din-en	K12437	uns
S355G3S	This grade's own name din-en		

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 S355G3S

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	1.0589	Aug 20, 2026