

MATERIAL NUMBER 1.1155 · CLASS 1.1

25 25Z ZG230-450

Material no. 1.1155

also listed as GC25E

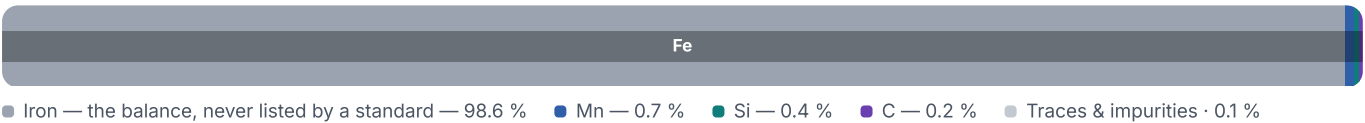
Chemical composition, mechanical and physical property values, and 22 standard designations from 6 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 22 in 6 regions	PROPERTY VALUES 8 on file
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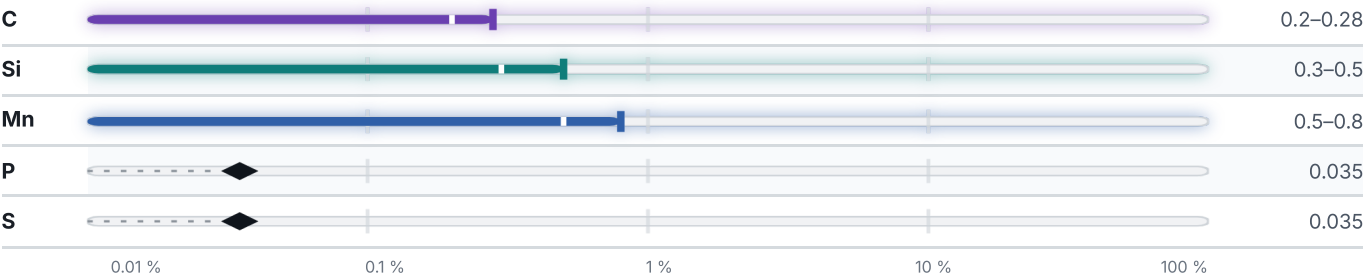
Chemical composition

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.

Mechanical properties

6 values across 2 conditions

QUENCHING 880°C, WATER, DRAWING 560°C, AIR	RM N/mm ²	RE N/mm ²	A5 %	Z %	KCU kJ/m ²
to 25	500	300	22	50	880

CONDITION · DIMENSION	HB
(annealing) , GOST 4543-71	197

Physical properties

3 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³
Transformation point Ac1	723	°C
Transformation point Ac3	820	°C

Heat treatment

2 regimes

STEP	TEMPERATURE	MEDIUM
Normalizing	880–940 °C	—
Normalizing	Temperature not stated	—

Designations across standards

22 designations · 3 documented as identical

United States8		Russia / CIS3	
J02002	This grade's own nameuns	25G	gost
1026	aisi-sae	25Г	gost
1026H	aisi-sae	ст.25Г	gost
1029	aisi-sae		
1525	aisi-sae	Europe2	
G10260	aisi-sae	GC25E	This grade's own namedin-en
G10290	aisi-sae	GS-Ck 25	This grade's own namedin-en
G15250	aisi-sae		
China5		United Kingdom2	
25	gb	070M26	bs
25 25Z ZG230-450	gb	080A25	bs
25MnG	gb	Japan2	
25Z	gb	S 25 C	jis
ZG 25	gb	STB410	jis

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 25 25Z ZG230-450

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

[Start an enquiry](#)

DATASHEET ONLINE

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GRADE SEARCH

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ISSUED

Aug 20, 2026