

MATERIAL NUMBER 1.2825 · CLASS 1.2

1.2825

Chemical composition, mechanical and physical property values, and 16 standard designations from 14 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 16 in 14 regions	PROPERTY VALUES 11 on file
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Chemical composition

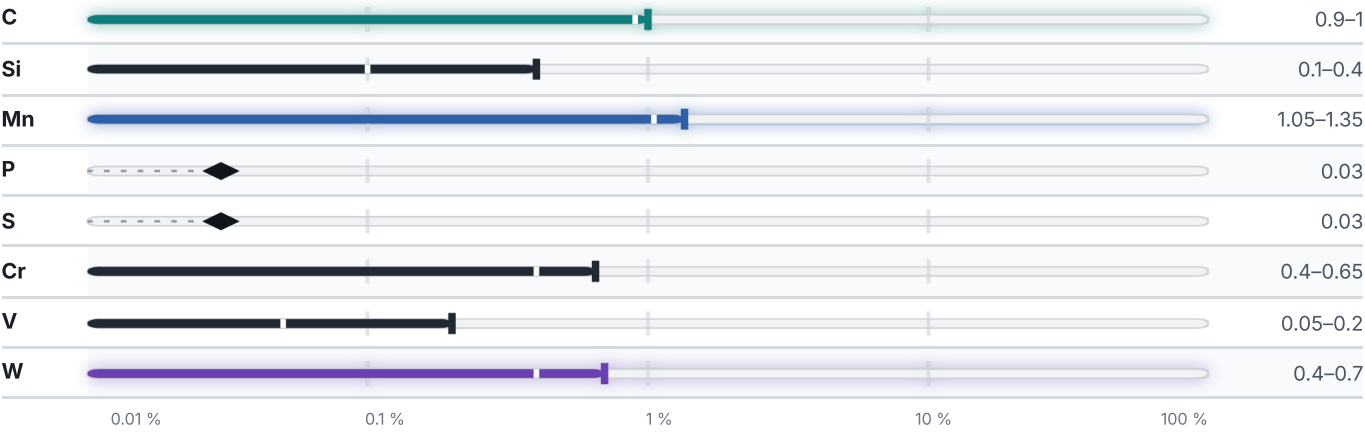
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 96.3 % ● Mn — 1.2 % ● C — 1 % ● W — 0.6 % ● Traces & impurities · 1 %

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 3 conditions

CONDITION · DIMENSION	HB	HRC
Annealed	217	–
Quenched and tempered	–	60
SOFT ANNEALED		HB
Soft annealed		229
CONDITION · DIMENSION	HB	
(annealing) , GOST 5950-2000	241	

Physical properties

3 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³
Transformation point Ac1	750	°C
Transformation point Ac3	900	°C

Designations across standards

16 designations · 1 documented as identical

France	2	Japan	1
90MnWCrV5	afnor	SKS3	jis
90MWCv5	afnor		
Russia / CIS	2	Italy	1
9KHVG	gost	95MnWVCr5KU	uni
9XBГ	gost	Sweden	1
Europe	1	2140	ss
95MnWCr5 This grade's own name	din-en	Czechia	1
United States	1	19314	csn
T31501	aisi-sae	Slovakia	1
United Kingdom	1	19 314	stn
BO1	bs	Poland	1
Spain	1	NMWV	pn
95MnCrW5	une	Austria	1
International	1	BOHLERK460	onorm
95MnWCr5	iso		

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 1.2825
Quotation, availability, mill certificate or a technical question — directly on the material page.

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ISSUED
Aug 20, 2026