

MATERIAL NUMBER 1.1625 · CLASS 1.1

1.1625

Chemical composition, mechanical and physical property values, and 27 standard designations from 15 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 27 in 15 regions	PROPERTY VALUES 6 on file
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Chemical composition

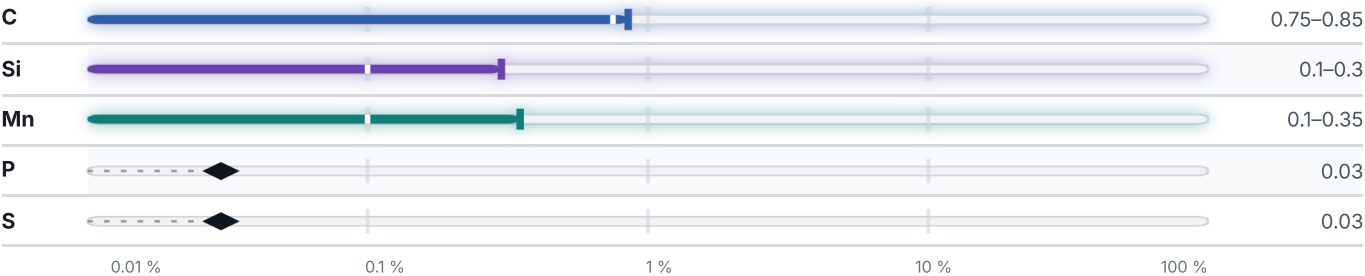
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 98.7 % ● C — 0.8 % ● Mn — 0.2 % ● Si — 0.2 % ● Traces & impurities · 0.1 %

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, Cr, Mo.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

27 designations · 2 documented as identical

United States	4	Europe	1
T72301	uns	C80W2 This grade's own name	din-en
C 0.85	aisi-sae	Spain	1
W 1	aisi-sae	F-513	une
W1-7	aisi-sae	International	1
France	4	C80U	iso
C90E2U	afnor	China	1
Y1-70	afnor	T8	gb
Y1-80	afnor	Italy	1
Y90	afnor	C80KU	uni
Japan	3	Czechia	1
SK5	jis	19 152	csn
SK6	jis	Romania	1
SKC3	jis	OSC8	stas
Russia / CIS	3	Austria	1
U8	gost	K980	onorm
U8A	gost	South Korea	1
Y8	gost	SKC3 This grade's own name	ks
United Kingdom	2		
BW1A	bs		
BW1B	bs		
Poland	2		
N8	pn		
N8E	pn		

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 1.1625

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

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DATASHEET ONLINE

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GRADE SEARCH

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ISSUED

Aug 20, 2026