

MATERIAL NUMBER 1.7108 · CLASS 1.7

1.7108

Chemical composition, mechanical and physical property values, and 20 standard designations from 11 regions.

DENSITY 7.43 g/cm ³	OTHER DESIGNATIONS 20 in 11 regions	PROPERTY VALUES 7 on file
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Chemical composition

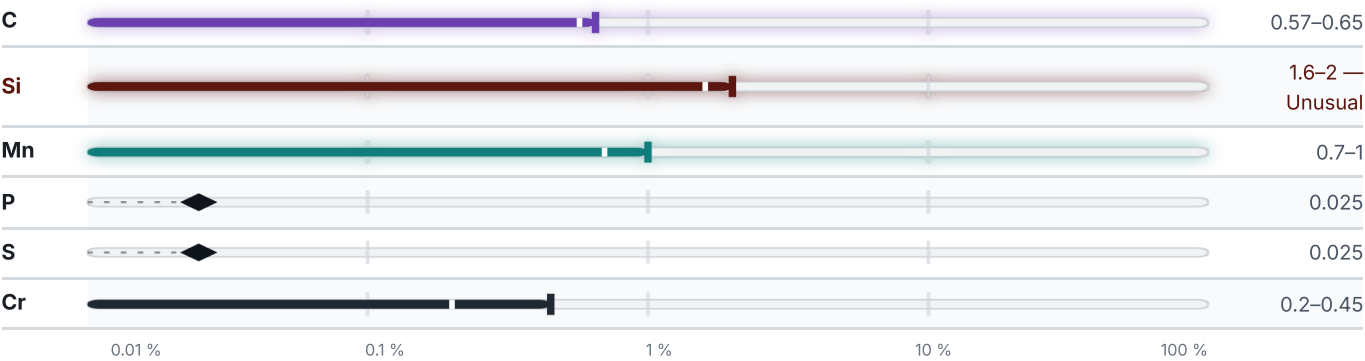
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 96.4 % ● Si — 1.8 % ● Mn — 0.9 % ● C — 0.6 % ● Traces & impurities · 0.4 %

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

3 values across 3 conditions

TREATED TO IMPROVE SHEARABILITY	HB
Treated to improve shearability	280

SOFT ANNEALED	HB
Soft annealed	248
ANNEALED TO ACHIEVE SPHEROIDIZATION OF THE CARBIDES	HB
Annealed to achieve spheroidization of the carbides	230

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.43	g/cm ³

Designations across standards

20 designations · 7 documented as identical

United States	6	Poland	2
G92600 This grade's own name	uns	60S2	pn
G92620 This grade's own name	uns	60S2A	pn
9260 This grade's own name	aisi-sae		
9261 This grade's own name	aisi-sae	France	1
9262 This grade's own name	aisi-sae	61SC7	afnor
G92620	aisi-sae		
Europe	2	International	1
60SiCr7 This grade's own name	din-en	59Si7	iso
61SiCr7 This grade's own name	din-en		
United Kingdom	2	Japan	1
250A58	bs	SUP7	jis
250A61	bs		
Russia / CIS	2	Italy	1
60S2G	gost	60SiCr8	uni
60C2Г	gost		
		Serbia	1
		Č.2430	srps
		Bulgaria	1
		60S2G	bds

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 1.7108

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