

MATERIAL NUMBER 1.3207 · CLASS 1.3

S700

Material no. 1.3207

also listed as HS10-4-3-10

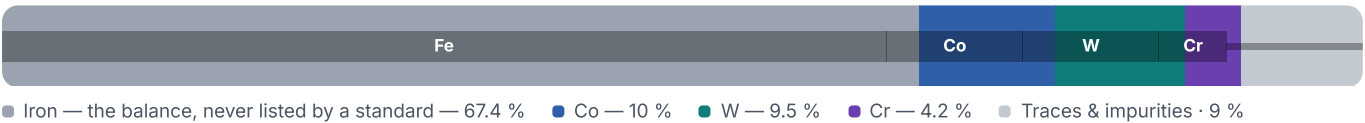
Chemical composition, mechanical and physical property values, and 20 standard designations from 15 regions.

DENSITY 8.23 g/cm³	OTHER DESIGNATIONS 20 in 15 regions	PROPERTY VALUES 15 on file
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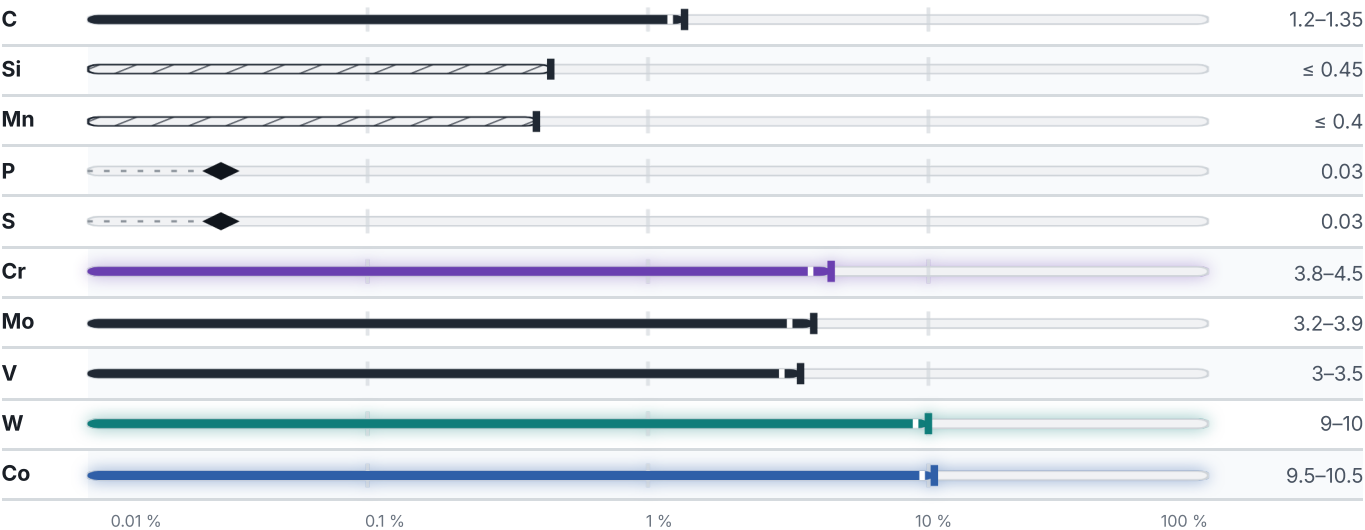
Chemical composition

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.

Mechanical properties

7 values across 3 conditions

SOFT ANNEALED					HB
Soft annealed					302
CONDITION · DIMENSION	RM N/mm ²	RE N/mm ²	A5 %	Z %	KCU kJ/m ²
As-delivered state	960	540	7	10	80
CONDITION · DIMENSION					HB
(annealing) , GOST 19265-73					285

Physical properties

5 values

CONDITION · DIMENSION	RHO g/cm ³	E GPa	LAMBDA W/(m·K)	
20	8.3	229	–	
100	–	–	25	
200	–	–	27	
300	–	–	28	
400	–	–	29	
500	–	–	30	
600	–	–	31	
700	–	–	32	
900	–	–	32	
PROPERTY	VALUE	UNIT		
Density	8.23	g/cm ³		
Transformation point Ac1	800	°C		
Transformation point Ac3	840	°C		
Transformation point Ar3	790	°C		
Transformation point Ar1	750	°C		

Designations across standards

20 designations · 2 documented as identical

Russia / CIS	4	Sweden	1
R9M4K8	gost	2736	ss
R9M4K8-MP	gost		
Д102-МП	gost	Czechia	1
P9M4K8	gost	19861	csn
Europe	2	Slovakia	1
HS10-4-3-10 This grade's own name	din-en	19 861	stn
S10-4-3-10 This grade's own name	din-en		
France	2	Serbia	1
HS10-4-3-10	afnor	Č.9683	srps
Z130WKCDV	afnor		
United States	1	Poland	1
T11348	aisi-sae	SK10V	pn
United Kingdom	1	Hungary	1
BT42	bs	R14	msz
Japan	1	Bulgaria	1
SKH57	jis	R9M4K8	bds
Italy	1	Austria	1
HS10-4-3-10	uni	S700	onorm

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 S700

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

[Start an enquiry](#)

DATASHEET ONLINE

View the material page

GRADE SEARCH

Search all grades

MATERIAL NO.

1.3207

ISSUED

Aug 20, 2026