

MATERIAL NUMBER 1.6526 · CLASS 1.6

SS2506

Material no. 1.6526

also listed as 20NiCrMoS2-2

Chemical composition, mechanical and physical property values, and 19 standard designations from 9 regions.

DENSITY 7.75 g/cm³	OTHER DESIGNATIONS 19 in 9 regions	PROPERTY VALUES 9 on file
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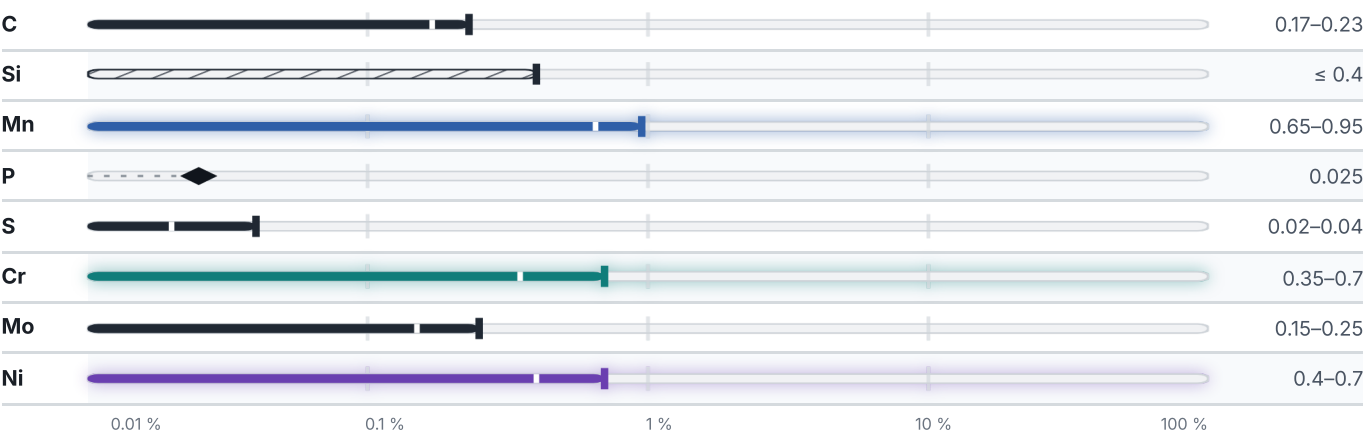
Chemical composition

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

computed from composition · °C

PREDICTED AE3 804 °C	PREDICTED AE1 725 °C	PREDICTED ACM 471 °C	PREDICTED BS 546 °C
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Mechanical properties

4 values across 4 conditions

SOFT ANNEALED	HB
Soft annealed	212
TREATED TO HARDNESS RANGE	HB
Treated to hardness range	161–212
TREATED TO FERRITE-PEARLITE STRUCTURE AND HARDNESS RANGE	HB
Treated to ferrite-pearlite structure and hardness range	149–194
CONDITION · DIMENSION	RM N/mm ²
200	1100

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.75	g/cm ³

Designations across standards

19 designations · 4 documented as identical

United States	5	Russia / CIS	3
G87200 This grade's own name	uns	20ChGNM	gost
H86200	uns	20HGNM	gost
8620H	aisi-sae	20KhGNM	gost
8720 This grade's own name	aisi-sae		
J1268	aisi-sae	France	1
		20NCD2	afnor
Europe	3	Spain	1
20NiCrMoS2	din-en	20NiCrMo2-1	une
20NiCrMoS2-2 This grade's own name	din-en		
21NiCrMoS2 This grade's own name	din-en	Italy	1
		20NiCrMoS2	uni
International	3		
20NiCrMo2	iso	Sweden	1
20NiCrMo2F	iso	SS2506	ss
20NiCrMoS2	iso		
		Poland	1
		20HNM	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 SS2506

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

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ISSUED

Aug 20, 2026