

MATERIAL NUMBER 1.6540 · CLASS 1.6

23MnNiCrMo5-3

Material no. 1.6540

Chemical composition, mechanical and physical property values, and 5 standard designations from 5 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.85 g/cm³	5 in 5 regions	12 on file

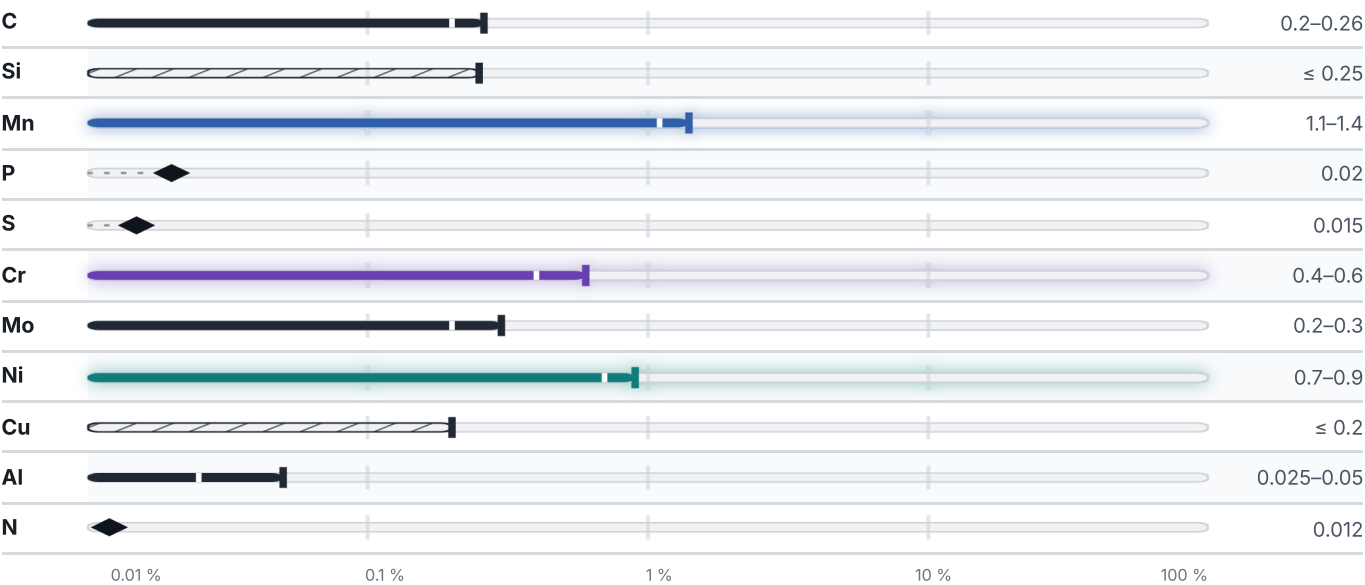
Chemical composition

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 782 °C	PREDICTED AE1 710 °C	PREDICTED ACM 490 °C	PREDICTED BS 527 °C
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Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

5 designations · 1 documented as identical

Europe	1	Poland	1
23MnNiCrMo5-3	This grade's own name din-en	23G2NMHA	pn
United States	1	Romania	1
K11640	uns	24 MoCrNiMn 15z	stas
France	1		
23MNCDS	afnor		

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 23MnNiCrMo5-3

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

Start an enquiry

DATASHEET ONLINE	GRADE SEARCH	MATERIAL NO.	ISSUED
View the material page	Search all grades	1.6540	Aug 20, 2026