

MATERIAL NUMBER 1.6545 · CLASS 1.6

8632

Material no. 1.6545

also listed as 30NiCrMo2-2

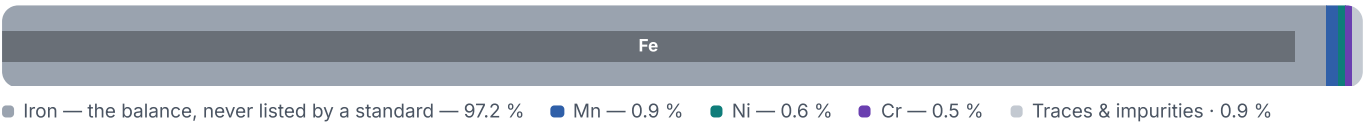
Chemical composition, mechanical and physical property values, and 9 standard designations from 3 regions.

DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 9 in 3 regions	PROPERTY VALUES 9 on file
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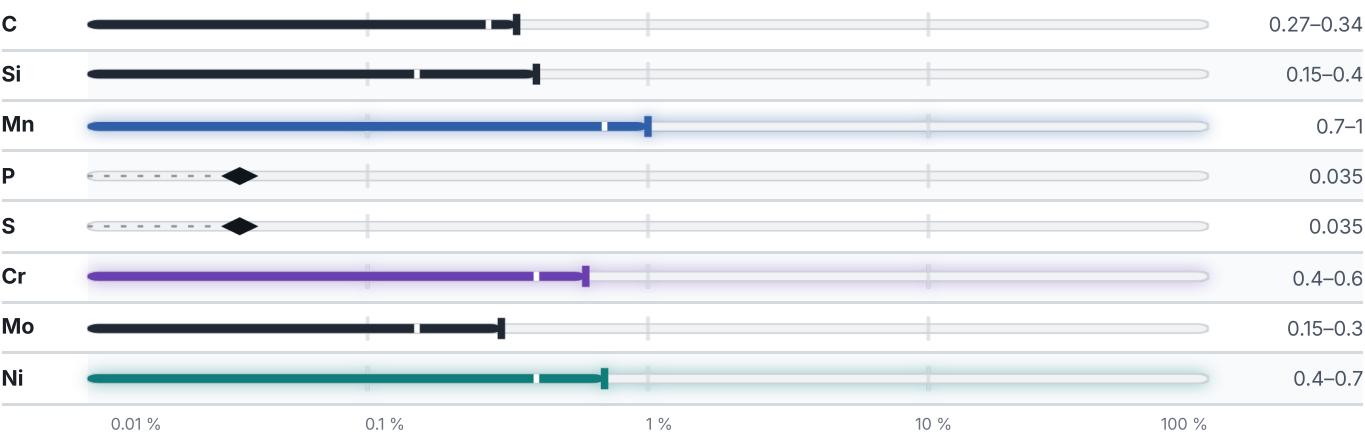
Chemical composition

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 784 °C	PREDICTED AE1 722 °C	PREDICTED ACM 549 °C	PREDICTED BS 539 °C
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Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

9 designations · 8 documented as identical

United States		7	Europe		1
G86300	This grade's own name	uns	30NiCrMo2-2	This grade's own name	din-en
G87350	This grade's own name	uns			
H86300	This grade's own name	uns	Latin America		1
8630	This grade's own name	aisi-sae	8630		copant
8630H	This grade's own name	aisi-sae			
8632	This grade's own name	aisi-sae			
8735	This grade's own name	aisi-sae			

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 8632

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	1.6545	Aug 20, 2026