

MATERIAL NUMBER 1.6543 · CLASS 1.6

1.6543

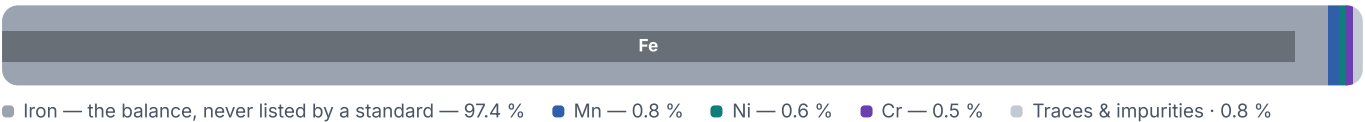
Chemical composition, mechanical and physical property values, and 18 standard designations from 3 regions.

DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 18 in 3 regions	PROPERTY VALUES 9 on file
------------------------------	--	-------------------------------------

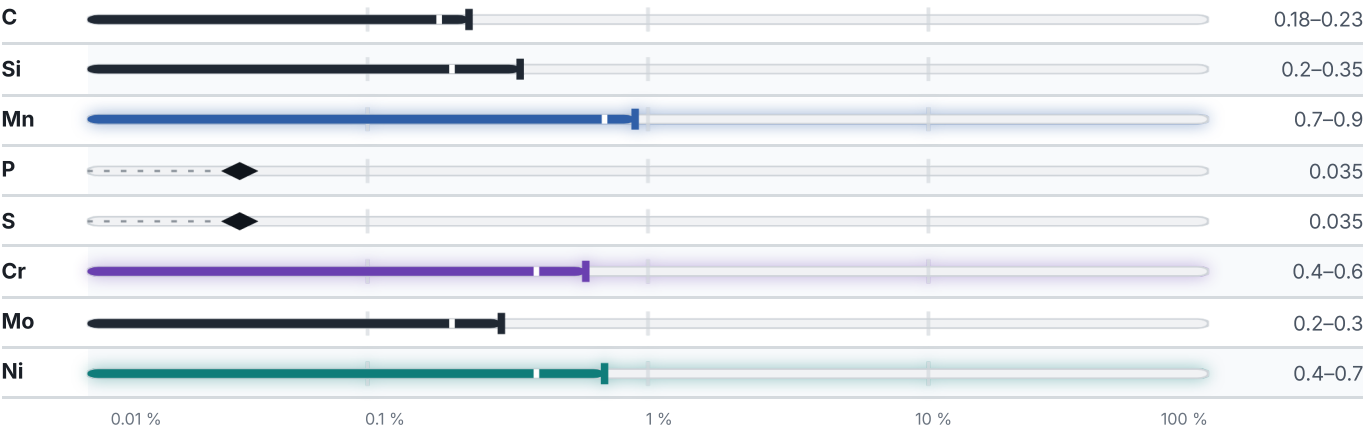
Chemical composition

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 803 °C	PREDICTED AE1 722 °C	PREDICTED ACM 466 °C	PREDICTED BS 549 °C
--------------------------------	--------------------------------	--------------------------------	-------------------------------

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

18 designations · 17 documented as identical

United States16		Europe1	
G86220	This grade's own nameuns	21 NiCrMo 2 2	This grade's own namedin-en
G87200	This grade's own nameuns		
G88200	This grade's own nameuns	Poland1	
H86220	This grade's own nameuns	22HNMpn	
H87200	This grade's own nameuns		
H88200	This grade's own nameuns		
8622	This grade's own nameaisi-sae		
8622H	This grade's own nameaisi-sae		
8622RH	This grade's own nameaisi-sae		
8719	This grade's own nameaisi-sae		
8720	This grade's own nameaisi-sae		
8720H	This grade's own nameaisi-sae		
8720RH	This grade's own nameaisi-sae		
8822	This grade's own nameaisi-sae		
8822H	This grade's own nameaisi-sae		
8822RH	This grade's own nameaisi-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 1.6543

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.

1.6543

ISSUED

Aug 20, 2026