

MATERIAL NUMBER 1.8976 · CLASS 1.8

QStE 650 TM

Material no. 1.8976

Chemical composition, mechanical and physical property values, and 3 standard designations from 1 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.85 g/cm ³	3 in 1 regions	12 on file

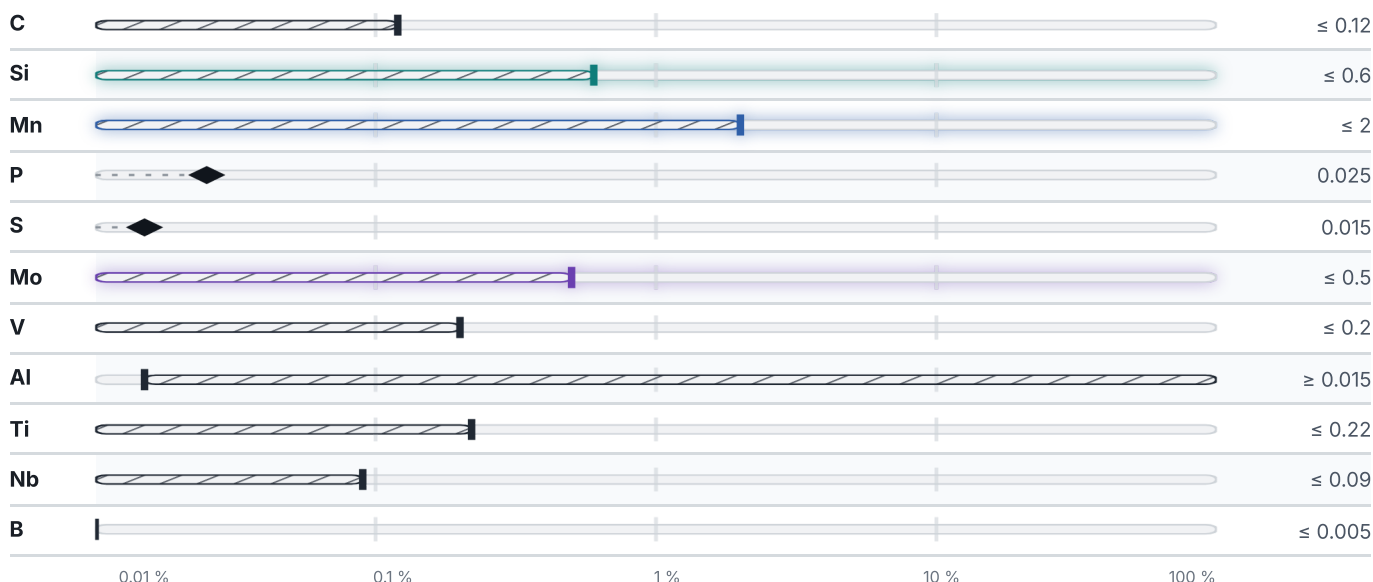
Chemical composition

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

Not enough recorded composition to predict a transformation temperature for this grade — missing: Ni, Cr.

Mechanical properties

2 values across 1 conditions

CONDITION · DIMENSION	A80 % · Lo = 80 mm	A % · Lo = 5,65 √So
≤ 3	10	–
≥ 3	–	12

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

3 designations · 2 documented as identical

Europe	3
1.0989	din-en
QStE 650 TM This grade's own name	din-en
S650MC This grade's own name	din-en

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 QStE 650 TM

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

[Start an enquiry](#)

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ISSUED
Aug 20, 2026