

MATERIAL NUMBER 1.5711 · CLASS 1.5

40XH

Material no. 1.5711

also listed as 40NiCr6

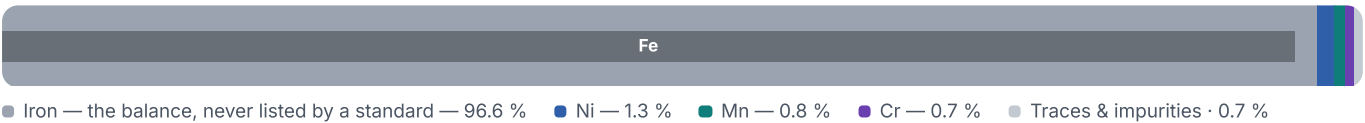
Chemical composition, mechanical and physical property values, and 19 standard designations from 7 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 19 in 7 regions	PROPERTY VALUES 8 on file
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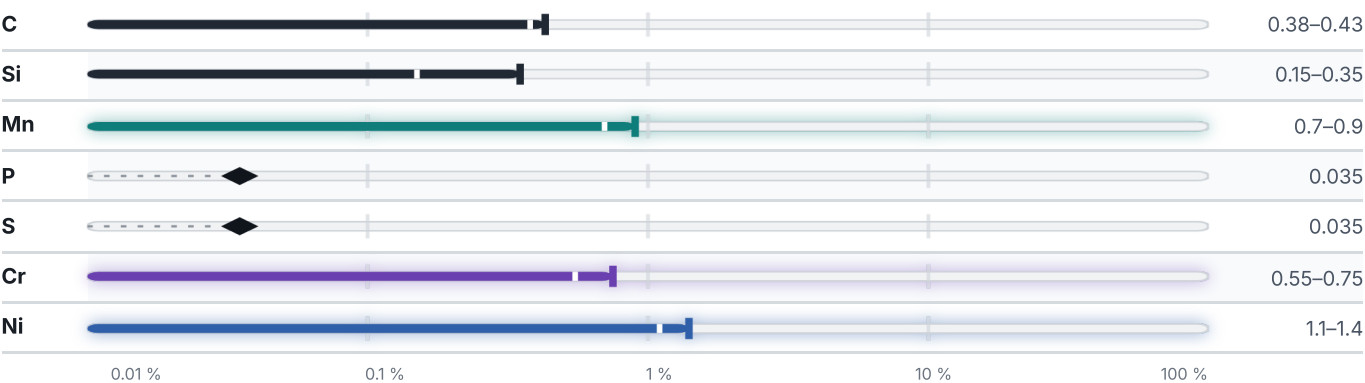
Chemical composition

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

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

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

19 designations · 5 documented as identical

United States		9	France		2
G31400	This grade's own name	uns	30NC6		afnor
K22033		uns	35NC6		afnor
3135		aisi-sae	Russia / CIS		
3140	This grade's own name	aisi-sae	2		
A3141	This grade's own name	aisi-sae	40XH		gost
X3140	This grade's own name	aisi-sae	ct.40XH		gost
3135 3140		astm	Europe		
3140H		astm	1		
AMS 6330E		astm	40NiCr6	This grade's own name	din-en
United Kingdom		3	Japan		1
640A35		bs	SNC236		jis
640M40		bs	China		
EN111A		bs	1		
			40CrNi		gb

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 40XH

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

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ISSUED

Aug 20, 2026