

MATERIAL NUMBER 1.5711 · CLASS 1.5

CT.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/cm³**OTHER DESIGNATIONS****19** in 7 regions**PROPERTY VALUES****8** on file

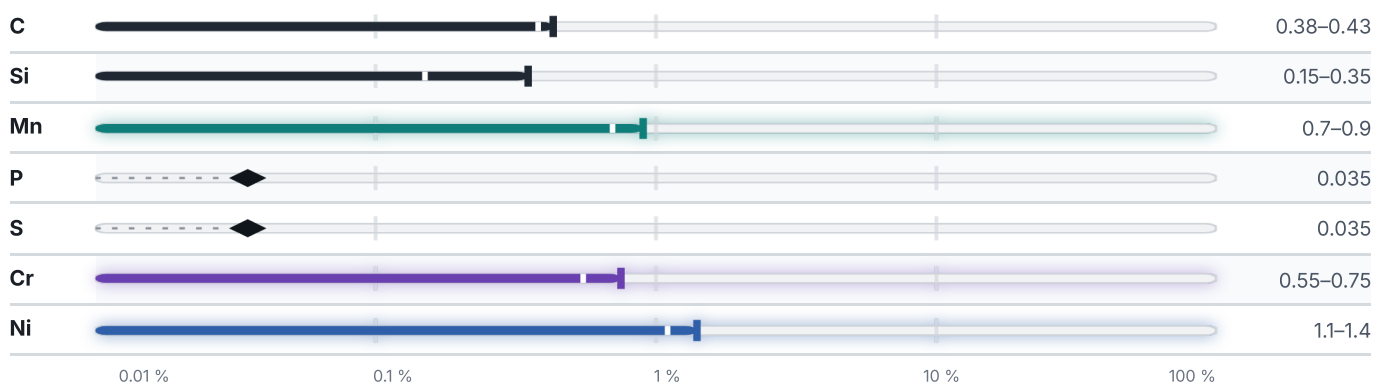
Chemical composition

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: 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		2
3140	This grade's own name	aisi-sae			
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		1
3140H		astm			
AMS 6330E		astm	40NiCr6	This grade's own name	din-en
United Kingdom		3	Japan		1
640A35		bs	SNC236		jis
640M40		bs	China		1
EN111A		bs			
			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 ct.40XH

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	1.5711	Aug 20, 2026