SteelEquivalents.com

Material datasheet
As of Aug 20, 2026

MATERIAL NUMBER 1.5711 · CLASS 1.5

3135 3140

Material no. 1.5711

also listed as 40NiCr6

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

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.85 g/cm³	**19** in 7 regions	**8** on file

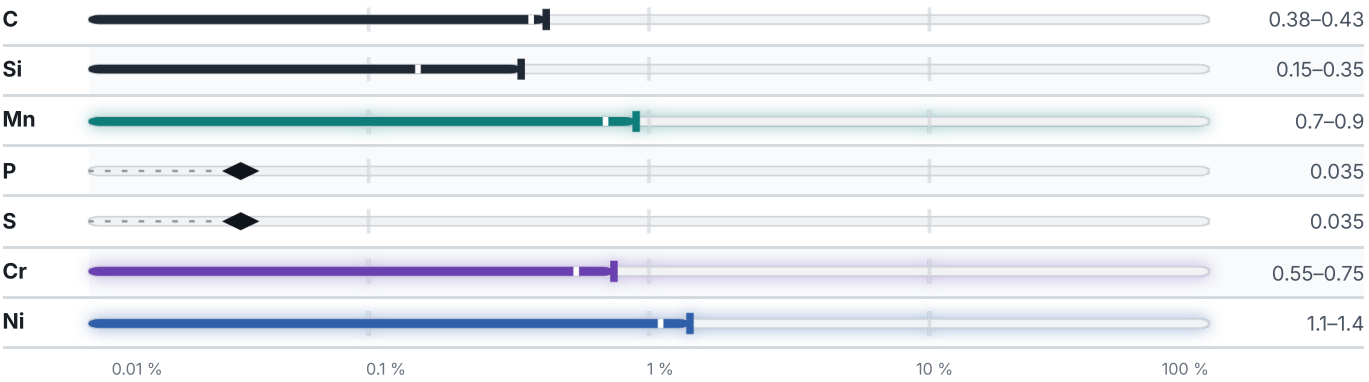
Chemical composition

Mass fraction in %

What this alloy is

Iron — the balance, never listed by a standard — 96.6 % · Ni — 1.3 % · Mn — 0.8 % · Cr — 0.7 % · Traces & impurities · 0.7 %

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)

G31400 This grade's own name	uns
K22033	uns
3135	aisi-sae
3140 This grade's own name	aisi-sae
A3141 This grade's own name	aisi-sae
X3140 This grade's own name	aisi-sae
3135 3140	astm
3140H	astm
AMS 6330E	astm

United Kingdom (3)

640A35	bs
640M40	bs
EN111A	bs

France (2)

30NC6	afnor
35NC6	afnor

Russia / CIS (2)

40XH	gost
ст.40XH	gost

Europe (1)

40NiCr6 This grade's own name	din-en

Japan (1)

SNC236	jis

China (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 3135 3140

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