

MATERIAL NUMBER 1.7030 · CLASS 1.7

1.7030

Chemical composition, mechanical and physical property values, and 28 standard designations from 12 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 28 in 12 regions	PROPERTY VALUES 7 on file
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Chemical composition

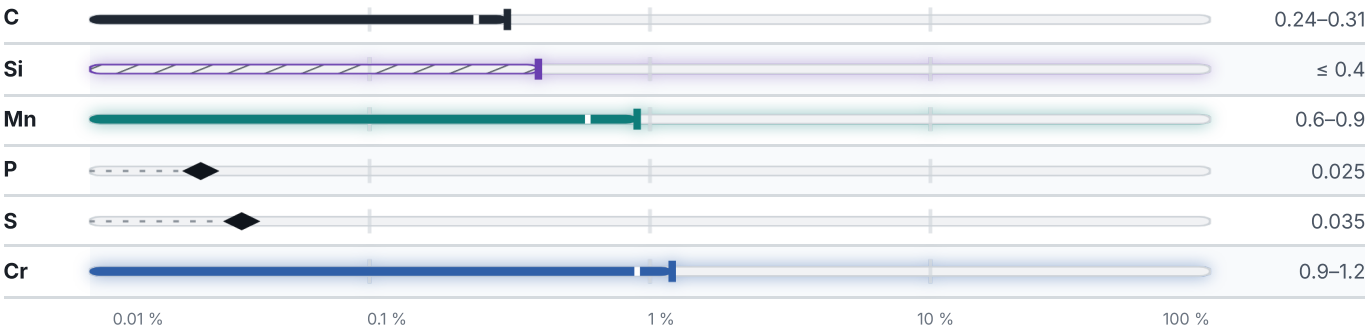
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 97.5 % ● Cr — 1.1 % ● Mn — 0.8 % ● Si — 0.4 % ● Traces & impurities · 0.3 %

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, Mo.

Mechanical properties

4 values across 4 conditions

TREATED TO IMPROVE SHEARABILITY	HB
Treated to improve shearability	255

SOFT ANNEALED	HB
Soft annealed	217
TREATED TO HARDNESS RANGE	HB
Treated to hardness range	166–217
TREATED TO FERRITE-PEARLITE STRUCTURE AND HARDNESS RANGE	HB
Treated to ferrite-pearlite structure and hardness range	156–207

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Heat treatment

7 regimes

STEP	TEMPERATURE	MEDIUM
Annealing	Temperature not stated	—
Quenching and tempering	Temperature not stated	—
source joins the operations with + / procedural order		
Quenching	Temperature not stated	—
Tempering	Temperature not stated	—
source joins the operations with + / procedural order		
Annealing	Temperature not stated	—
Annealing	Temperature not stated	—
Tempering	Temperature not stated	—
Normalizing	Temperature not stated	—
Tempering	Temperature not stated	—
Spheroidize annealing	Temperature not stated	—
source joins the operations with + / procedural order		
Quenching	860 °C	Oil
Tempering	500 °C	—
source joins the operations with (or)		
Annealing	Temperature not stated	—

STEP	TEMPERATURE	MEDIUM
Tempering	Temperature not stated	—

Designations across standards

28 designations · 6 documented as identical

United States	8	United Kingdom	2
G51300 This grade's own name	uns	28Cr4	bs
G51320	uns	530A30	bs
H51300 This grade's own name	uns	Europe	1
5130 This grade's own name	aisi-sae	28Cr4 This grade's own name	din-en
5130H This grade's own name	aisi-sae	Spain	1
5130RH This grade's own name	aisi-sae	28Cr4	une
5132	aisi-sae	China	1
G51300	aisi-sae	30Cr	gb
France	4	Italy	1
28C4	afnor	34Cr4	uni
32C4	afnor	Poland	1
32C4FF	afnor	30H	pn
34Cr4	afnor	Latin America	1
Russia / CIS	4	5130	copant
30KH	gost	Bulgaria	1
30X	gost	30Ch	bds
30X	gost		
CT.30X	gost		
Japan	3		
SCr2	jis		
SCr430	jis		
SCr430H	jis		

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 1.7030

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

[Start an enquiry](#)

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