SteelEquivalents.com

Material datasheet
As of Aug 20, 2026

MATERIAL NUMBER 1.7037 · CLASS 1.7

1.7037

Chemical composition, mechanical and physical property values, and 13 standard designations from 8 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.72 g/cm³	13 in 8 regions	7 on file

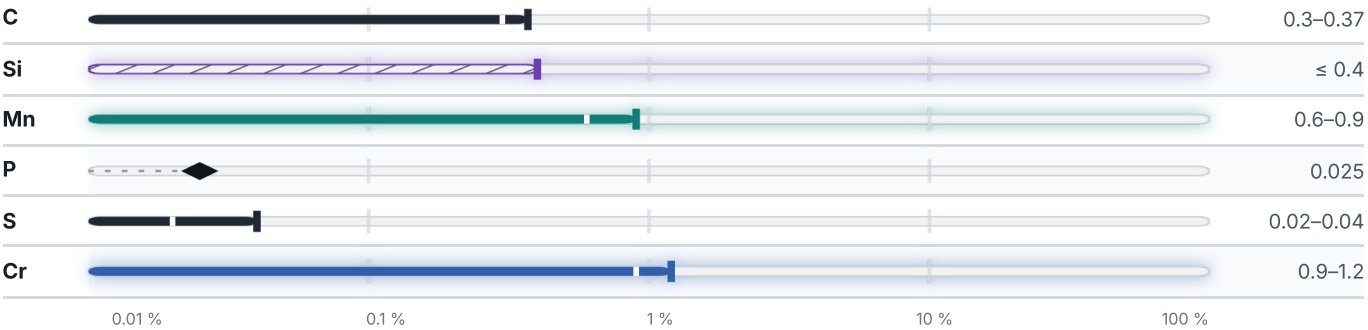
Chemical composition

Mass fraction in %

What this alloy is

Iron — the balance, never listed by a standard — 97.4 % · Cr — 1.1 % · Mn — 0.8 % · Si — 0.4 % · Traces & impurities · 0.4 %

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

5 values across 3 conditions

QUENCHED AND TEMPERED · ROUND PRODUCTS	A % · Lo = 5,65 √So
≤ 16	12
16 – 40	14

QUENCHED AND TEMPERED · ROUND PRODUCTS	A % · Lo = 5,65 √So
40 – 100	15

TREATED TO IMPROVE SHEARABILITY	HB
Treated to improve shearability	255

SOFT ANNEALED	HB
Soft annealed	223

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.72	g/cm³

Designations across standards

13 designations · 8 documented as identical

United States 4

G51320 This grade's own name	uns
H51320 This grade's own name	uns
5132 This grade's own name	aisi-sae
5132H This grade's own name	aisi-sae

United Kingdom 2

530M32 This grade's own name	bs
EN18B This grade's own name	bs

Hungary 2

Cr 1 E	msz
Cr 2 E	msz

Europe 1

34CrS4 This grade's own name	din-en

France 1

32C4u	afnor

International 1

34CrS4	iso

Japan 1

SCR430H This grade's own name	jis

Serbia 1

Č.4180	srps

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.

DATASHEET ONLINE	GRADE SEARCH	MATERIAL NO.	ISSUED
View the material page	Search all grades	1.7037	Aug 20, 2026