SteelEquivalents.com

Material datasheet
As of Aug 20, 2026

MATERIAL NUMBER 1.3343 · CLASS 1.3

Č.7680

Material no. 1.3343

also listed as S 6-5-2

Chemical composition, mechanical and physical property values, and 46 standard designations from 19 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
8.12 g/cm³	46 in 19 regions	10 on file

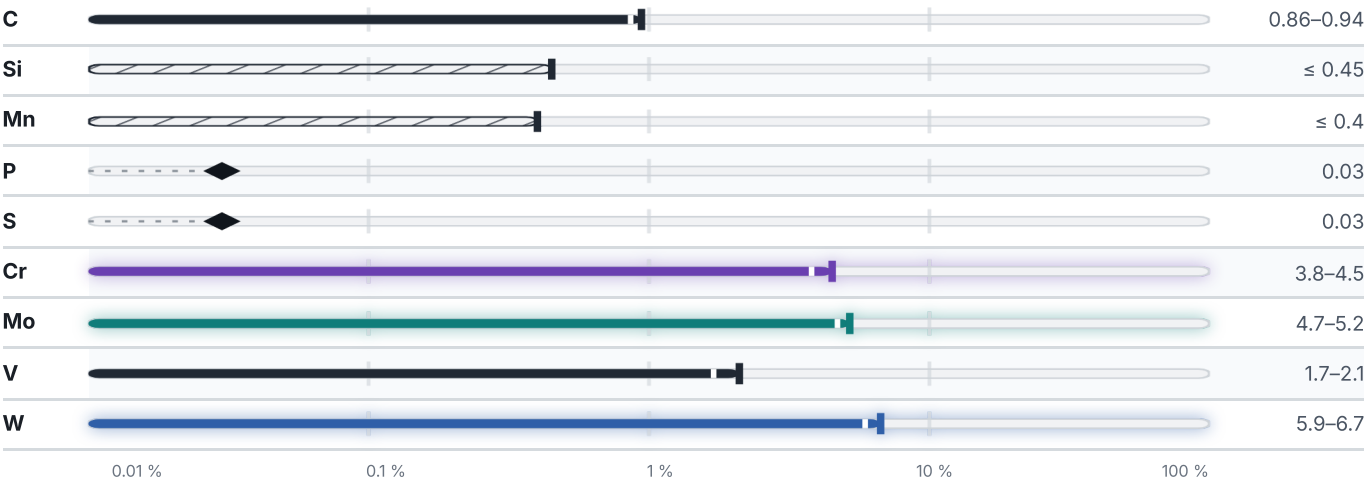
Chemical composition

Mass fraction in %

What this alloy is

Iron — the balance, never listed by a standard — 80.9 % · W — 6.3 % · Mo — 5 % · Cr — 4.2 % · Traces & impurities · 3.7 %

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: Ni.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	8.12	g/cm³

Designations across standards

46 designations · 4 documented as identical

United States 6

T11302 This grade's own name	uns
611 This grade's own name	aisi-sae
D3	aisi-sae
M 2	aisi-sae
T11302	aisi-sae
M2	aisi-sae

France 6

HS6-5-2	afnor
HS6-5-2HC	afnor
X85WMoCrV6-5-4	afnor
Z40CSD10	afnor
Z85WDCV	afnor
Z85WDCV06-05-04-02	afnor

Spain 4

6-5-2	une
EM2	une
F.5603	une
HS6-5-2	une

Italy 4

15NiCrMo13	uni
HS6-5-2	uni
HS6-5-2-2	uni
X82WMoV6-5	uni

Europe 3

1.3343	din-en
HS6-5-2C	din-en
S 6-5-2 This grade's own name	din-en

United Kingdom 3

3343	bs
4959BA2	bs
BM2	bs

Japan 3

SKH51	jis
SKH9	jis
SUH3	jis

International 2

HS6-5-2	iso
HS6-5-2C	iso

Russia / CIS 2

R6M5	gost
P6M5	gost

Sweden 2

2715	ss
2722	ss

Bulgaria 2

HS6-5-2C	bds
R6M5	bds

Austria 2

BOHLERS600	onorm
S600	onorm

China 1

W6Mo5Cr4V2	gb

Czechia 1

19830	csn

Serbia 1

Č.7680	srps

Poland 1

SW7M	pn

Hungary 1

R6	msz

Romania 1

Rp5	stas

South Korea 1

SKH51 This grade's own name	ks

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 Č.7680

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	1.3343	Aug 20, 2026