

MATERIAL NUMBER 1.3343 · CLASS 1.3

R6M5

Material no. 1.3343

also listed as S 6-5-2

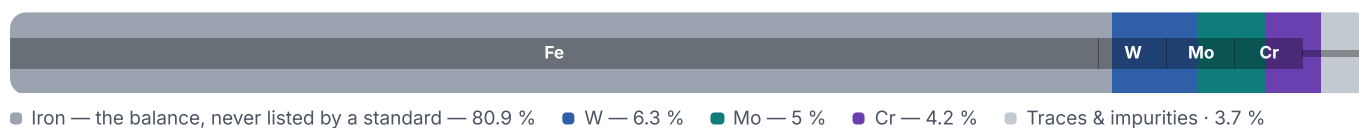
Chemical composition, mechanical and physical property values, and 46 standard designations from 19 regions.

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

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	8.12	g/cm ³

Designations across standards

46 designations · 4 documented as identical

United States	6	International	2
T11302 This grade's own name	uns	HS6-5-2	iso
611 This grade's own name	aisi-sae	HS6-5-2C	iso
D3	aisi-sae		
M 2	aisi-sae	Russia / CIS	2
T11302	aisi-sae	R6M5	gost
M2	aisi-sae	P6M5	gost
France	6	Sweden	2
HS6-5-2	afnor	2715	ss
HS6-5-2HC	afnor	2722	ss
X85WMoCrV6-5-4	afnor		
Z40CSD10	afnor	Bulgaria	2
Z85WDCV	afnor	HS6-5-2C	bds
Z85WDCV06-05-04-02	afnor	R6M5	bds
Spain	4	Austria	2
6-5-2	une	BOHLERS600	onorm
EM2	une	S600	onorm
F.5603	une		
HS6-5-2	une	China	1
		W6Mo5Cr4V2	gb
Italy	4	Czechia	1
15NiCrMo13	uni	19830	csn
HS6-5-2	uni		
HS6-5-2-2	uni	Serbia	1
X82WMoV6-5	uni	Č.7680	srps
Europe	3	Poland	1
1.3343	din-en	SW7M	pn
HS6-5-2C	din-en		
S 6-5-2 This grade's own name	din-en	Hungary	1
United Kingdom	3	R6	msz
3343	bs		
4959BA2	bs	Romania	1
BM2	bs	Rp5	stas
Japan	3	South Korea	1
SKH51	jis	SKH51 This grade's own name	ks
SKH9	jis		
SUH3	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 R6M5
Quotation, availability, mill certificate or a technical question — directly on the material page.

Start an enquiry

DATASHEET ONLINE
View the material page

GRADE SEARCH
Search all grades

MATERIAL NO.
1.3343

ISSUED
Aug 20, 2026