

MATERIAL NUMBER 1.7262 · CLASS 1.7

18CrMo45KW

Material no. 1.7262

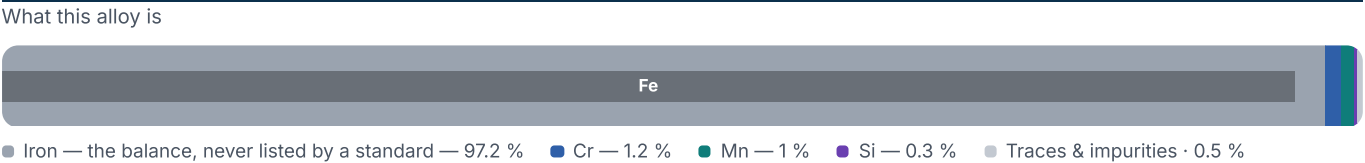
also listed as 15CrMo5

Chemical composition, mechanical and physical property values, and 63 standard designations from 19 regions.

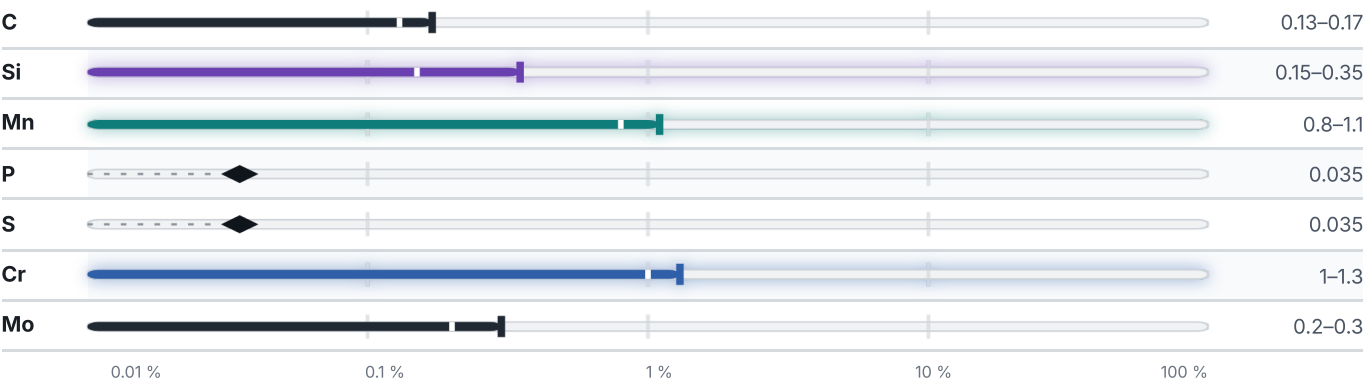
DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 63 in 19 regions	PROPERTY VALUES 8 on file
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Chemical composition

Mass fraction in %



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	7.85	g/cm³

Heat treatment

3 regimes

STEP	TEMPERATURE	MEDIUM
source joins the operations with + / procedural order		
Normalizing	900–960 °C	—
Tempering	680–730 °C	—
Quenching	900 °C	—
Tempering	680–750 °C	—
Normalizing	900–960 °C	—
Tempering	680–730 °C	—
source joins the operations with + / procedural order		
Normalizing	Temperature not stated	—
Tempering	Temperature not stated	—
source joins the operations with + / procedural order		
Normalizing	Temperature not stated	—
Tempering	Temperature not stated	—

Designations across standards

63 designations · 1 documented as identical

United States		8	Japan		8
A387Gr.12Cl.2	aisi-sae		SCM415		jis
K11562	aisi-sae		SCM415H		jis
K11564	aisi-sae		SFVAF12		jis
K11572	aisi-sae		STBA20		jis
K11597	aisi-sae		STBA22		jis
K11757	aisi-sae		STFA22		jis
K11789	aisi-sae		STPA20		jis
K12062	aisi-sae		STPA22		jis

Italy	7	South Korea	3
13CrMo4-5	uni	SFVAF12	ks
14CrMo3	uni	STHA20	ks
16CrMo3	uni	STHA22	ks
18CrMo45KG	uni		
18CrMo45KW	uni	Europe	2
A18CrMo4-5KW	uni	1.7262	din-en
B18CrMo4-5KG	uni	15CrMo5 This grade's own name	din-en
United Kingdom	6	Russia / CIS	2
13CrMo4-5	bs	15KhM	gost
1501-620	bs	15XM	gost
1501-621	bs		
620-440	bs	Poland	2
620-470	bs	15HM	pn
620-540	bs	18HGM	pn
France	6	Hungary	2
12CD4	afnor	13CrMo4-5	msz
13CrMo4-5	afnor	KL9	msz
14CrMo4-5	afnor		
15CD3.5	afnor	Sweden	1
15CD4.05	afnor	2216	ss
15CD4.5	afnor		
China	5	Czechia	1
12CrMo	gb	15121	csn
12CrMoG	gb		
15CrMo	gb	Serbia	1
15CrMog	gb	Č.4720	srps
15CrMoR	gb		
Spain	3	Romania	1
12CrMo4	une	14CrMo4	stas
14CrMo4-5	une		
F.2631	une	Austria	1
Bulgaria	3	13CrMo4-4KW	onorm
13CrMo4-5	bds	Belgium	1
14ChM	bds	14CrMo45	nbn
15ChM	bds		

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 18CrMo45KW

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

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ISSUED

Aug 20, 2026