

MATERIAL NUMBER 1.3247 · CLASS 1.3

T11347

Material no. 1.3247

also listed as HS2-9-1-8

Chemical composition, mechanical and physical property values, and 28 standard designations from 14 regions.

DENSITY 8.01 g/cm³	OTHER DESIGNATIONS 28 in 14 regions	PROPERTY VALUES 11 on file
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Chemical composition

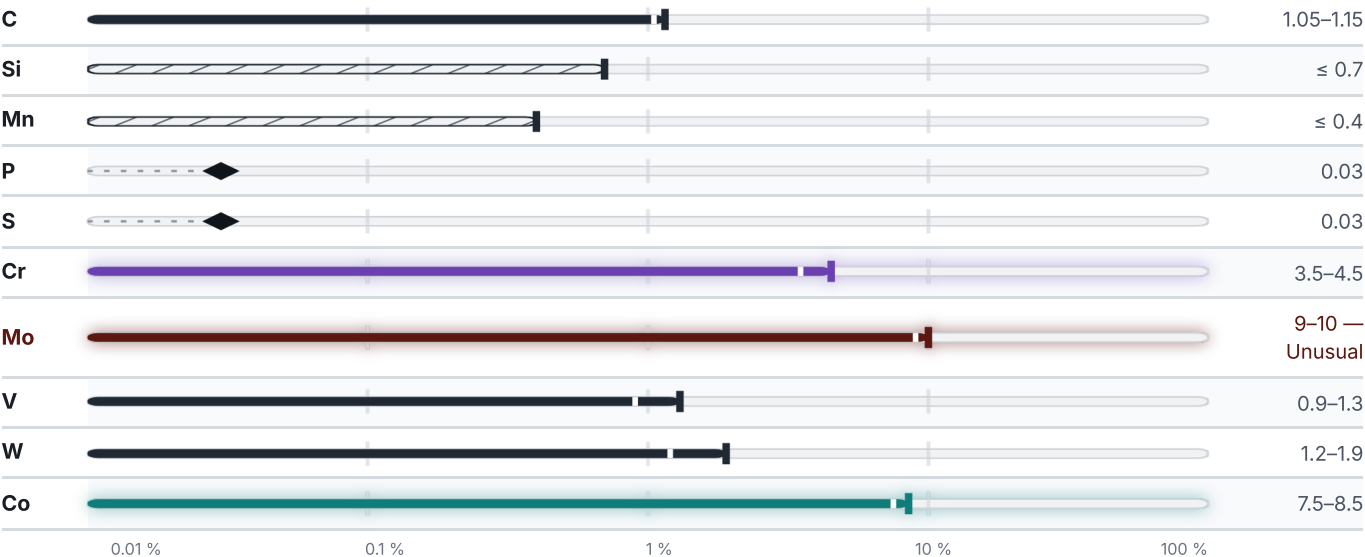
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 73.6 % ● Mo — 9.5 % ● Co — 8 % ● Cr — 4 % ● Traces & impurities · 4.9 %

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.

Mechanical properties

3 values across 3 conditions

CONDITION · DIMENSION	HB
Annealed	277
SOFT ANNEALED	HB
Soft annealed	277
CONDITION · DIMENSION	HB
(annealing) , GOST 19265-73	285

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	8.01	g/cm³

Heat treatment

4 regimes

STEP	TEMPERATURE	MEDIUM
source joins the operations with + / procedural order		
Preheating	800–900 °C	—
Quenching	1170–1190 °C	—
Tempering	550 °C	—
Annealing	Temperature not stated	—
source joins the operations with + / procedural order		
Quenching	Temperature not stated	—
Tempering	Temperature not stated	—
Annealing	Temperature not stated	—

Designations across standards

28 designations · 5 documented as identical

United States		8	Spain		2
T11342	This grade's own name	uns	7-4-2-5		une
T11342 / T11842		uns	F.5615		une
M30		aisi-sae	International		1
M42	This grade's own name	aisi-sae		HS2-9-1-8	iso
M47		aisi-sae			
T11330		aisi-sae		Japan	1
T11342		aisi-sae		SKH59	jis
T11347		aisi-sae	China		1
Russia / CIS		4	W2Mo9Cr4VCo8		gb
R2AM9K		gost	Italy		1
R2M10K8		gost		HS2-9-1-8	uni
R2AM9K5		gost			
P2AM9K5		gost	Poland		1
Europe		2	SK8M		pn
HS2-9-1-8	This grade's own name	din-en	Hungary		1
S 2-10-1-8	This grade's own name	din-en		R11	msz
United Kingdom		2	Bulgaria		1
BM42		bs	R2M8K5F2		bds
BT42		bs	South Korea		1
France		2	SKH59	This grade's own name	ks
HS2-9-1-8		afnor			
Z110DKCWV09-08-04-02-01		afnor			

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 T11347

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	1.3247	Aug 20, 2026