

MATERIAL NUMBER 1.2567 · CLASS 1.2

3M959

Material no. 1.2567

also listed as 30WCrV17-2

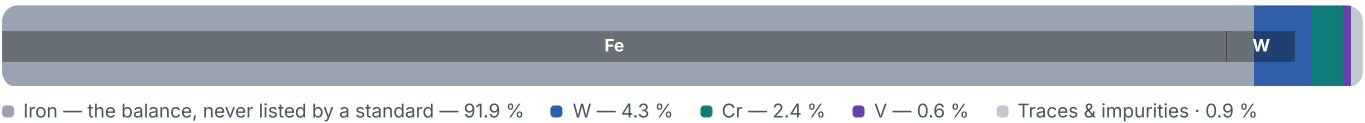
Chemical composition, mechanical and physical property values, and 21 standard designations from 10 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 21 in 10 regions	PROPERTY VALUES 13 on file
--	---	--------------------------------------

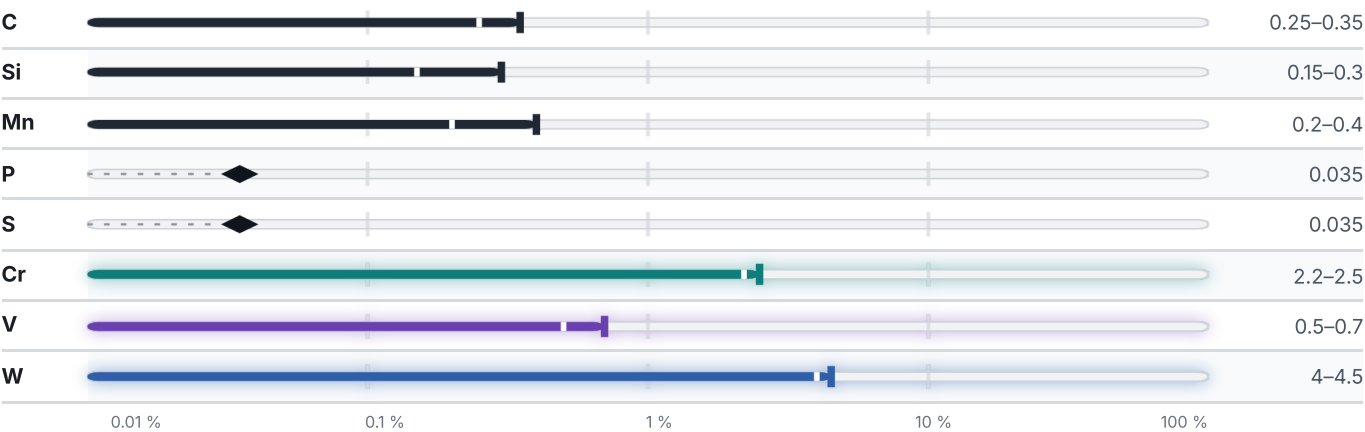
Chemical composition

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, Mo.

Mechanical properties

4 values across 2 conditions

CONDITION · DIMENSION	RM N/mm ²	RE N/mm ²	KCU kJ/m ²
Bars	1700	1500	440
CONDITION · DIMENSION	HB		
4KH4VMFS (4X4BMΦC) (heat treatment) , GOST 5950-2000			241

Physical properties

5 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³
Transformation point Ac1	830	°C
Transformation point Ac3	910	°C
Transformation point Ar3	750	°C
Transformation point Ar1	670	°C

Designations across standards

21 designations · 1 documented as identical

Russia / CIS	7	Japan	2
4Ch2W5MF	gost	SKD4	jis
4KH2V5MF	gost	SKD62	jis
4KH4VMFS	gost	Poland	2
4X2B5MΦ	gost	WWS	pn
4X4BMΦC	gost	WWS1	pn
ДИ22	gost	Europe	1
ЭИ959	gost	30WCrV17-2 This grade's own name	din-en
United States	2	Italy	1
H12	aisi-sae	X30WCrV5-3KU	uni
T20812	aisi-sae	Czechia	1
France	2	19 720	csn
X32WCrV5	afnor	Austria	1
Z32WCV5	afnor	BOHLERW105	onorm
International	2		
30WCrV5	iso		
X30WCrV5-3	iso		

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 3M959

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.

1.2567

ISSUED

Aug 20, 2026