

MATERIAL NUMBER 1.3344 · CLASS 1.3

F.5605

Material no. 1.3344

also listed as HS6-5-3

Chemical composition, mechanical and physical property values, and 19 standard designations from 8 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
8.2 g/cm ³	19 in 8 regions	11 on file

Chemical composition

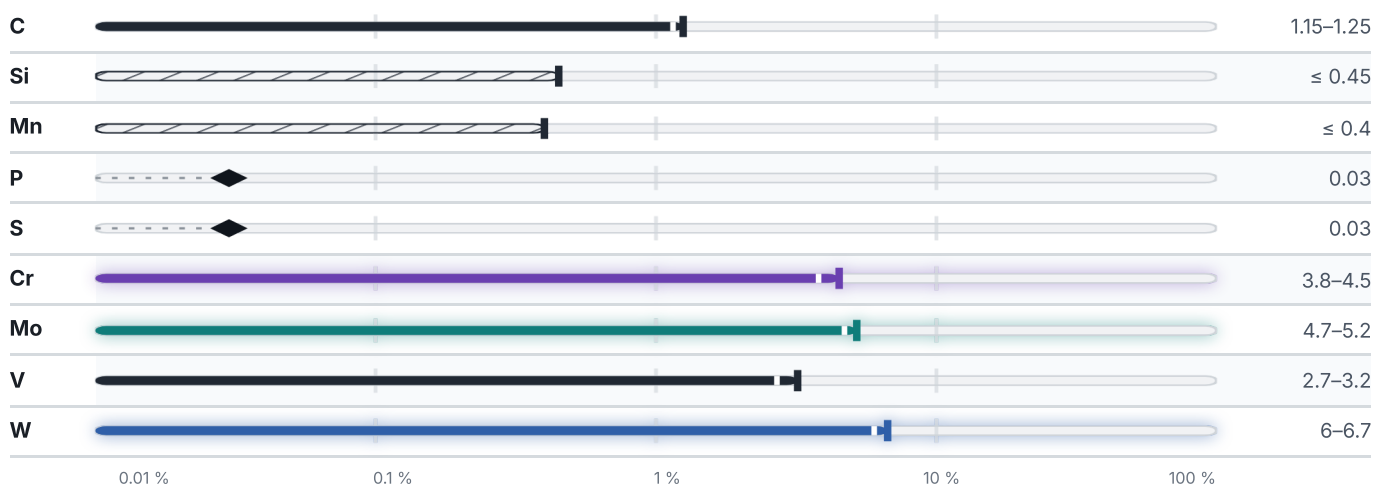
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 79.5 % ● W — 6.4 % ● Mo — 5 % ● Cr — 4.2 % ● Traces & impurities · 5.1 %

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

2 values across 2 conditions

SOFT ANNEALED	HB
Soft annealed	269
CONDITION · DIMENSION	HB
(annealing) , GOST 19265-73	269

Physical properties

2 values

PROPERTY	VALUE	UNIT
Density	8.2	g/cm ³
Transformation point Ac1	815	°C

Designations across standards

19 designations · 6 documented as identical

United States	6	Spain	2
T11313 This grade's own name	uns	6-5-3	une
T11323 This grade's own name	uns	F.5605	une
M3 Class 1 This grade's own name	aisi-sae	Japan	2
M3 Class 2 This grade's own name	aisi-sae		
T11313	aisi-sae	SKH52	jis
T11323	aisi-sae	SKH53	jis
Russia / CIS	4	France	1
R6M5F3	gost	Z130WDCV06-05-04-04	afnor
R6M5F3-MP	gost		
ДИ99-МП	gost	Czechia	1
P6M5Φ3	gost	19837	csn
Europe	2	Slovakia	1
HS6-5-3 This grade's own name	din-en	19 837	stn
S 6-5-3 This grade's own name	din-en		

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 F.5605

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

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DATASHEET ONLINE

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ISSUED

Aug 20, 2026