

MATERIAL NUMBER 1.0345 · CLASS 1.0

K02503

Material no. 1.0345

also listed as HI

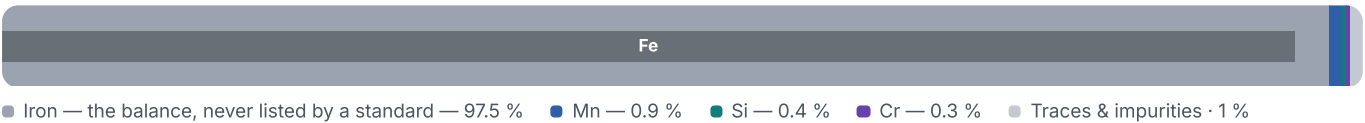
Chemical composition, mechanical and physical property values, and 62 standard designations from 17 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 62 in 17 regions	PROPERTY VALUES 16 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

computed from composition · °C

PREDICTED AE3 819 °C	PREDICTED AE1 717 °C	PREDICTED ACM 399 °C	PREDICTED BS 568 °C
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Mechanical properties

12 values across 1 conditions

AS-DELIVERED STATE	RM N/mm ²	RE N/mm ²	A5 %	KCU kJ/m ²
to 20	350–440	225	24	780
21 - 40	350–440	215	24	780
41 - 60	350–440	205	24	780

Physical properties

2 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Technological properties

PROPERTY	VALUE	UNIT
Weldability	without limitations.	

Designations across standards

62 designations · 11 documented as identical

United States		20	France		4	
K01501	This grade's own name	uns	A37AP		afnor	
K01700	This grade's own name	uns	A37CP		afnor	
K02001		uns	AP		afnor	
K02200	This grade's own name	uns	P235GH		afnor	
K02201	This grade's own name	uns	Spain			3
K02202	This grade's own name	uns	A 37 RC I		une	
K02203	This grade's own name	uns	A37RCI		une	
K02503	This grade's own name	uns	RA II		une	
K02601		uns	Italy			3
K02801	This grade's own name	uns	Fe360-1KG		uni	
-55		aisi-sae	Fe360-1KW		uni	
55 A515 Gr.65		aisi-sae	FeE235		uni	
A285		aisi-sae	Czechia			3
A285Gr.C		aisi-sae	11364		csn	
A516		aisi-sae	11366		csn	
A516Gr.65		aisi-sae	11368		csn	
Gr.55		aisi-sae	Russia / CIS			2
Gr.65		aisi-sae	12k		gost	
Gr.A		aisi-sae	12K		gost	
A53-A	This grade's own name	astm	Sweden			2
Europe		6	1330		ss	
1.0345		din-en	1330-01		ss	
A285Gr.C		din-en	Belgium			2
ASt35		din-en	D37-1.2		nbn	
HI	This grade's own name	din-en	E37-1.2		nbn	
P235GH	This grade's own name	din-en	International			1
StE255		din-en	P3		iso	
United Kingdom		6	China			1
141-360		bs	20		gb	
1501		bs	Slovakia			1
1501 Gr. 161-360		bs	11 368		stn	
161-360		bs	Poland			1
161Gr.360		bs	St36K		pn	
400		bs	Austria			1
Japan		5	St35KW		onorm	
SB410		jis				
SGV410		jis				
SPV235		jis				
SPV24		jis				
SPV450		jis				

Finland	1
Fe37BP	sfs

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 K02503

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	1.0345	Aug 20, 2026