SteelEquivalents.com

Material datasheet
As of Aug 20, 2026

MATERIAL NUMBER 1.6562 · CLASS 1.6

1.6562

Chemical composition, mechanical and physical property values, and 33 standard designations from 9 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.85 g/cm³	33 in 9 regions	10 on file

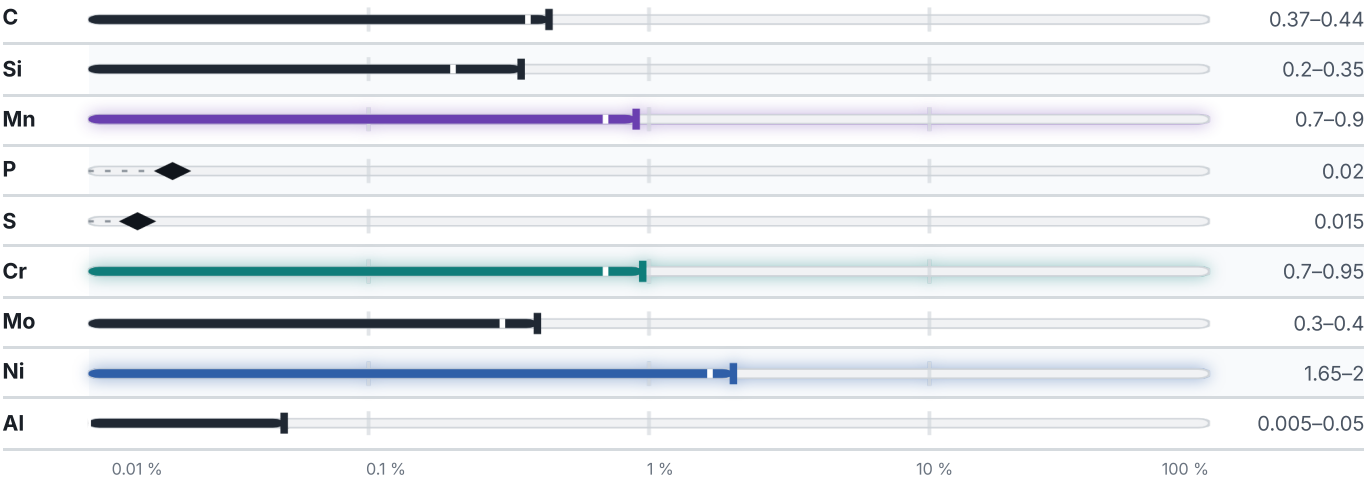
Chemical composition

Mass fraction in %

What this alloy is

Iron — the balance, never listed by a standard — 95.5 % · Ni — 1.8 % · Cr — 0.8 % · Mn — 0.8 % · Traces & impurities · 1.1 %

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

computed from composition · °C

PREDICTED AE3	PREDICTED AE1	PREDICTED ACM	PREDICTED BS
741 °C	711 °C	619 °C	501 °C

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

33 designations · 9 documented as identical

United States 13

G43370 This grade's own name	uns
G43376 This grade's own name	uns
G43406	uns
H43406 This grade's own name	uns
K24064 This grade's own name	uns
4337 This grade's own name	aisi-sae
4340	aisi-sae
E4337 This grade's own name	aisi-sae
E4340	aisi-sae
E4340 Mod	aisi-sae
E4340H This grade's own name	aisi-sae
A322	astm
A331	astm

United States / Aerospace 8

6257	ams
6359	ams
6409	ams
6414	ams
6415	ams
6417	ams
6419	ams
6484	ams

Europe 2

40 NiCrMo 8 4 This grade's own name	din-en
40NiCrMo8-4 This grade's own name	din-en

United Kingdom 2

817M40	bs
S155	bs

Russia / CIS 2

40ChN2MA	gost
40KhN2MA	gost

Italy 2

40 NiCrMo 7	uni
NCM 4	uni

Poland 2

34HNM	pn
40HNMA	pn

France 1

40 NCD 7	afnor

Türkiye 1

Ç 4340	mke

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.

DATASHEET ONLINE	GRADE SEARCH	MATERIAL NO.	ISSUED
View the material page	Search all grades	1.6562	Aug 20, 2026