

MATERIAL NUMBER 1.5532 · CLASS 1.5

38MB5

Material no. 1.5532

also listed as 38MnB5

Chemical composition, mechanical and physical property values, and 3 standard designations from 3 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.85 g/cm ³	3 in 3 regions	7 on file

Chemical composition

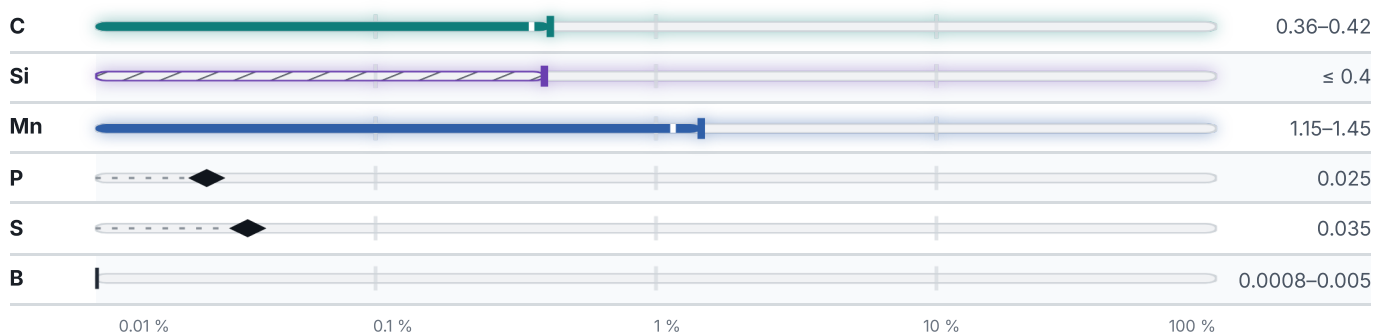
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 97.8 % ● Mn — 1.3 % ● Si — 0.4 % ● C — 0.4 % ● Traces & impurities · 0.1 %

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, Cr, Mo.

Mechanical properties		2 values across 1 conditions
QUENCHED AND TEMPERED · ROUND PRODUCTS		A % · Lo = 5,65 √So
≤ 16		12
16 – 40		12

Physical properties		1 values
PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards		3 designations · 1 documented as identical
Europe	1	France1
38MnB5 This grade's own name	din-en	38MB5afnor
United Kingdom	1	
170H41	bs	

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 38MB5

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	1.5532	Aug 20, 2026