

MATERIAL NUMBER EN-JM1140

GTS-450

Material no. EN-JM1140

also listed as EN-GJMB-450-6

Chemical composition, mechanical and physical property values, and 13 standard designations from 11 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.85 g/cm ³	13 in 11 regions	1 on file

Chemical composition

Mass fraction in %

No chemical composition is on file for this material number.

Predicted transformation temperatures

Not enough recorded composition to predict a transformation temperature for this grade — missing: C, Mn, Si, Ni, Cr, Mo.

Mechanical properties

3 values across 1 conditions

CONDITION · DIMENSION	RM N/mm ²	A5 %	HB
Casting, GOST 1215-79	441	7	—
GOST 1215-79	—	—	150–207

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

13 designations · 2 documented as identical

Europe	2	Japan	1
EN-GJMB-450-6	This grade's own name din-en	FCMP440	jis
GTS-45-06	This grade's own name din-en		
Russia / CIS	2	Italy	1
KCH45-7	gost	P45-06	uni
K445-7	gost		
United States	1	Sweden	1
45006	aisi-sae	0854-00	ss
United Kingdom	1	Czechia	1
P45-06	bs	422545	csn
France	1	Poland	1
MN450-6	afnor	Zcp45006	pn
		Austria	1
		GTS-450	onorm

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 GTS-450

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

[Start an enquiry](#)

DATASHEET ONLINE

View the material page

GRADE SEARCH

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ISSUED

Aug 20, 2026