

MATERIAL NUMBER EN-JS1082

EN-JS1082

Chemical composition, mechanical and physical property values, and 29 standard designations from 21 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 29 in 21 regions	PROPERTY VALUES 1 on file
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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	4 values across 1 conditions			
CONDITION · DIMENSION	RM N/mm ²	RE N/mm ²	A5 %	HB
Casting, GOST 7293-85	500	320	7	—
GOST 7293-85	—	—	—	153–245

Physical properties	1 values	
PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

29 designations · 2 documented as identical

United States	3	International	1
65-45-12	aisi-sae	500-7	iso
70-50-05	aisi-sae		
80-55-06	aisi-sae	Japan	1
		FCD500	jis
Europe	2	China	1
EN-GJS-500-7U This grade's own name	din-en	QT500-7	gb
GGG-50 This grade's own name	din-en		
United Kingdom	2	Sweden	1
500/7	bs	07 27-02	ss
SNG 500	bs		
Russia / CIS	2	Czechia	1
VCH50	gost	422305	csn
B450	gost		
Italy	2	Latin America	1
GS 500	uni	FMNP55005	copant
GS500-7	uni	Hungary	1
		GoV50	msz
Poland	2	Australia / New Zealand	1
ZS5002	pn	500-7	as-nzs
Zs5007	pn		
Austria	2	Bulgaria	1
GGG500	onorm	500-2	bds
SG50	onorm		
France	1	Belgium	1
FGS 500-7	afnor	FNG50-7	nbn
		Netherlands	1
Spain	1	GN50	nen
FGE 50-7	une	Finland	1
		GRP500	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 EN-JS1082

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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MATERIAL NO.

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ISSUED

Aug 20, 2026