

MATERIAL NUMBER 1.1545 · CLASS 1.1

1.1545

Chemical composition, mechanical and physical property values, and 67 standard designations from 19 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 67 in 19 regions	PROPERTY VALUES 8 on file
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Chemical composition

Mass fraction in %



Predicted transformation temperatures

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

Mechanical properties

10 values across 3 conditions

CONDITION · DIMENSION	RM N/mm ²	RE N/mm ²	A5 %	Z %	HB
Rolled stock hotrolled, GOST 1414-75	410	–	22	34	–
Rolled stock, GOST 1414-75	490	390	10	–	–

CONDITION · DIMENSION	RM N/mm ²	RE N/mm ²	A5 %	Z %	HB
Rolled stock GOST 1414-75	–	–	–	–	207
CONDITION · DIMENSION	HB		HRC		
(SK3) Annealed	212		–		
(SK3) Quenched and tempered	–		61		
SOFT ANNEALED			HB		
Soft annealed			212		

Physical properties

3 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Technological properties

PROPERTY	VALUE	UNIT
Flake sensitivity	not predisposed	
Temper brittleness	not predisposed	

Designations across standards

67 designations · 4 documented as identical

United States	11	France	5
T72301	uns	C105E2U	afnor
W110	uns	XC100	afnor
G51320	aisi-sae	Y1-105	afnor
T72301	aisi-sae	Y105	afnor
T72305	aisi-sae	Y120	afnor
W1	aisi-sae		
W110 This grade's own name	aisi-sae	Japan	5
W110 przybliż	aisi-sae	SK105	jis
W1C 1,00% This grade's own name	aisi-sae	SK3	jis
W210	aisi-sae	SK3 / SK4 przybliż.	jis
W5	aisi-sae	SK4	jis
		SUP4	jis
Russia / CIS	6	Poland	5
U10A	gost	N10	pn
U10A	gost	N10E	pn
U11	gost	N11	pn
U11A	gost	N11E	pn
Y10A	gost	stal węglowa	pn
Y11	gost		

United Kingdom	4	Italy	3
O60A96	bs	C100KU	uni
BW1A	bs	C120KU	uni
BW1B	bs	C36KU	uni
BW2	bs		
Spain	4	International	2
C102	une	C105U	iso
F.5118	une	CT105	iso
F.515	une		
F.516	une	China	2
Hungary	4	T10	gb
S101	msz	T10A	gb
S102	msz		
S111	msz	Sweden	2
S112	msz	1880	ss
		2900	ss
Bulgaria	4	Romania	2
C105U	bds	OSC10	stas
U10A	bds	OSC11	stas
U11	bds		
U11A	bds	Austria	2
Europe	3	BOHLERK990	onorm
1.1545	din-en	K990	onorm
C105U This grade's own name	din-en	Czechia	1
C105W1 This grade's own name	din-en	19191	csn
		Slovakia	1
		19 191	stn
		Serbia	1
		Č.1940	srps

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 1.1545

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

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DATASHEET ONLINE

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GRADE SEARCH

Search all grades

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ISSUED

Aug 20, 2026