SteelEquivalents.com

Material datasheet
As of Aug 20, 2026

MATERIAL NUMBER 1.0322 · CLASS 1.0

ML08

Material no. 1.0322

also listed as DX 56 D

Chemical composition, mechanical and physical property values, and 60 standard designations from 18 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.85 g/cm³	60 in 18 regions	10 on file

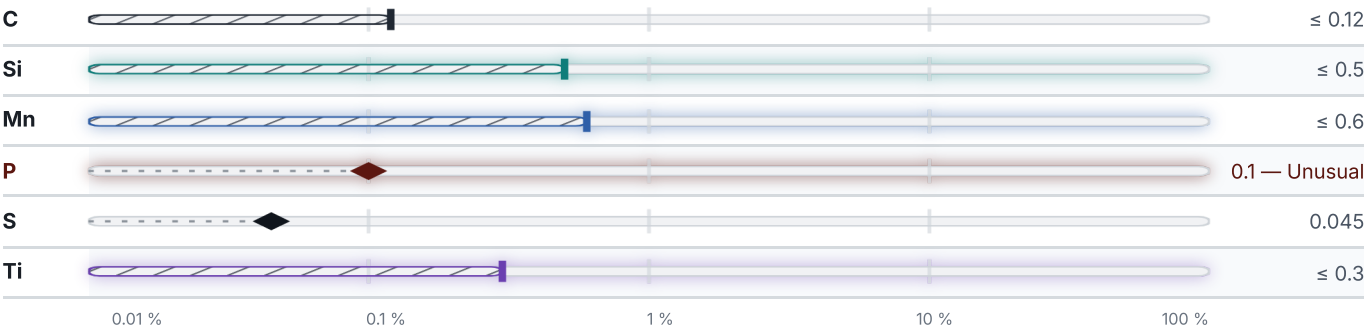
Chemical composition

Mass fraction in %

What this alloy is

Iron — the balance, never listed by a standard — 98.3 % · Mn — 0.6 % · Si — 0.5 % · Ti — 0.3 % · Traces & impurities · 0.3 %

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.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Heat treatment

1 regimes

STEP	TEMPERATURE	MEDIUM
Normalizing	Temperature not stated	—

Designations across standards

60 designations · 1 documented as identical

Australia / New Zealand 8

1008	as-nzs
CA1	as-nzs
CA2	as-nzs
CA3	as-nzs
CA4	as-nzs
HA1	as-nzs
HA3	as-nzs
HA4N	as-nzs

France 7

3C	afnor
DC01	afnor
DD13	afnor
FB8	afnor
Fd4	afnor
FR8	afnor
XC6	afnor

Austria 7

St02F	onorm
St02FK32	onorm
St02FK40	onorm
St02FK50	onorm
St02FK60	onorm
St02FK70	onorm
St24F	onorm

United States 6

1008	aisi-sae
1010	aisi-sae
A619	aisi-sae
A622	aisi-sae
G10080	aisi-sae
G10120	aisi-sae

United Kingdom 6

040A10	bs
1449-1HR	bs
1HR	bs
2HR	bs
DC01	bs
DD13	bs

Japan 4

SPCC	jis
SPHE	jis
SWRCH10R	jis
SWRCH8R	jis

Czechia 4

11304	csn
11320	csn
11321	csn
11325	csn

Spain 3

AP13	une
DC01	une
DD13	une

Bulgaria 3

08	bds
DD11	bds
DD13	bds

China 2

08F	gb
ML08	gb

Russia / CIS 2

08kp	gost
08кп	gost

Italy 2

DC01	uni
FeP13	uni

Europe 1

DX 56 D This grade's own name	din-en

Sweden 1

1147	ss

Poland 1

08X	pn

Hungary 1

ASZ2	msz

Romania 1

A1n	stas

Finland 1

RACOLD01F	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.

DATASHEET ONLINE	GRADE SEARCH	MATERIAL NO.	ISSUED
View the material page	Search all grades	1.0322	Aug 20, 2026