

MATERIAL NUMBER 1.0726 · CLASS 1.0

8M

Material no. 1.0726

also listed as 35 S 20

Chemical composition, mechanical and physical property values, and 24 standard designations from 15 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 24 in 15 regions	PROPERTY VALUES 6 on file
--	---	-------------------------------------

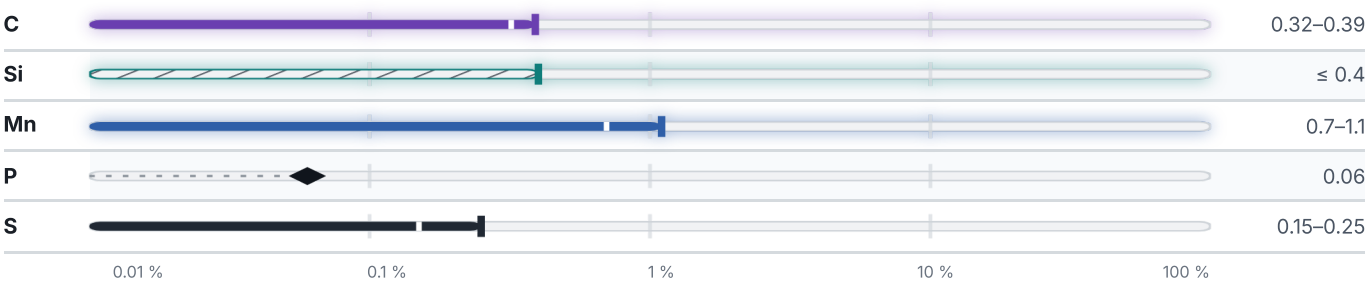
Chemical composition

Mass fraction in %

What this alloy is



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

11 values across 2 conditions

COLD DRAWN / HARD	RM N/mm ²	A %
5 – 10	640-880	6

COLD DRAWN / HARD	RM N/mm ²	A %
10 – 16	590–830	7
16 – 40	560–800	8
40 – 63	530–760	9
63 – 100	510–680	9
AS ROLLED AND TURNED		HB
As rolled and turned		149–201

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

24 designations · 4 documented as identical

United States3		Sweden2	
G11400	This grade's own nameuns	1957	ss
1126	aisi-sae	1957-03	ss
1140	This grade's own nameaisi-sae		
United Kingdom3		Spain1	
212M36	bs	F210G	une
8M	bs	International1	
EN8M	bs	35S20	iso
Europe2		Russia / CIS1	
1.0726	din-en	A30	gost
35 S 20	This grade's own namedin-en		
France2		Italy1	
35MF4	afnor	CF35SMn10	uni
35MF6	afnor	Czechia1	
Japan2		11140	csn
35S20	This grade's own namejis	Slovakia1	
SUM4	jis	11 140	stn
China2		Poland1	
Y30	gb	A35	pn
Y35	gb	Romania1	
		AUT30	stas

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 8M
Quotation, availability, mill certificate or a technical question — directly on the material page.

Start an enquiry

DATASHEET ONLINE
View the material page

GRADE SEARCH
Search all grades

MATERIAL NO.
1.0726

ISSUED
Aug 20, 2026