

MATERIAL NUMBER 1.1160 · CLASS 1.1

22Mn6

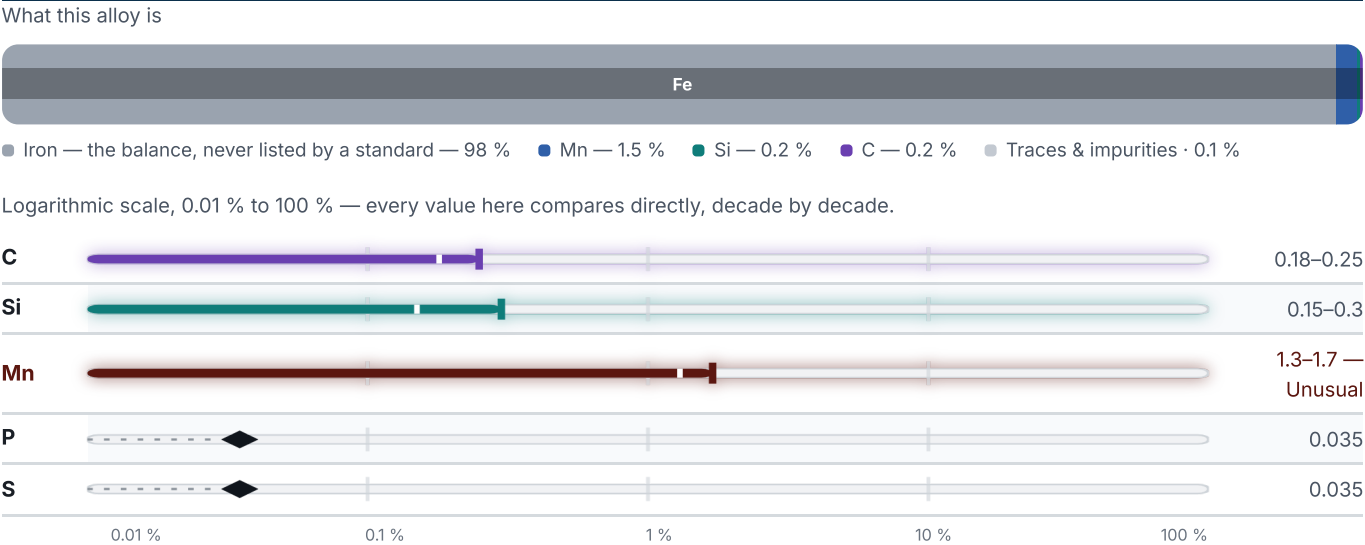
Material no. 1.1160

Chemical composition, mechanical and physical property values, and 14 standard designations from 6 regions.

DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 14 in 6 regions	PROPERTY VALUES 6 on file
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Chemical composition

Mass fraction in %



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

3 values across 1 conditions

CONDITION · DIMENSION	RM N/mm²	HB
Steel cold-drawn , GOST 10702-78	490–686	–

CONDITION · DIMENSION	RM N/mm²	HB
(hot-rolled, annealing)	–	187
Bar GOST 10702-78	–	179

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

14 designations · 5 documented as identical

United States6		Russia / CIS2	
G15240	This grade's own nameuns	20G2	gost
H15240	This grade's own nameuns	20Г2	gost
1524	This grade's own nameaisi-sae	South Korea2	
1524H	This grade's own nameaisi-sae		
G15240	aisi-sae	SMn420	ks
H15240	aisi-sae	SMn420H	ks
Japan2		Europe1	
SMn420	jis	22Mn6	This grade's own namedin-en
SMn420H	jis	Spain1	
		F.120L	une

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 22Mn6

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

[Start an enquiry](#)

DATASHEET ONLINE	GRADE SEARCH	MATERIAL NO.	ISSUED
View the material page	Search all grades	1.1160	Aug 20, 2026