

MATERIAL NUMBER 1.4749 · CLASS 1.4

X18CrN28

Material no. 1.4749

also listed as X15CrN26

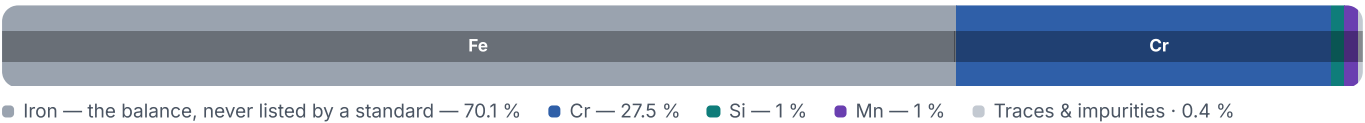
Chemical composition, mechanical and physical property values, and 25 standard designations from 9 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 25 in 9 regions	PROPERTY VALUES 8 on file
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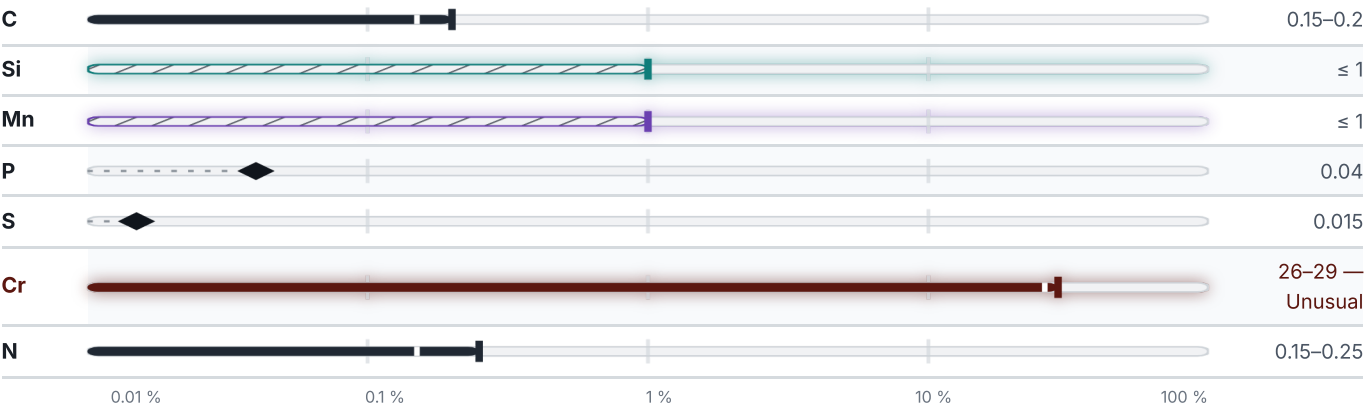
Chemical composition

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, Mo.

Mechanical properties

5 values across 2 conditions

CONDITION · DIMENSION	RM N/mm ²	RE N/mm ²	A %	Z %
Bars/Rods Annealing	510	275	20	40
SOFT ANNEALED				HB
Soft annealed				212

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

25 designations · 4 documented as identical

United States	14	Russia / CIS	2
S44600 This grade's own name	uns	15Ch25T	gost
446 This grade's own name	aisi-sae	15X25T	gost
446-1	aisi-sae		
51446	aisi-sae	Poland	2
S44600	aisi-sae	H25	pn
A1012	astm	H25T	pn
A176	astm		
A268	astm	International	1
A276	astm	X15CrN26	iso
A314	astm		
A473	astm	Japan	1
A511	astm	SUH 446	jis
A580	astm		
A815	astm	China	1
		2Cr25N	gb
Europe	2		
X15CrN26 This grade's own name	din-en	Italy	1
X18CrN28 This grade's own name	din-en	X16Cr26	uni
		Sweden	1
		2322	ss

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 X18CrN28

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	1.4749	Aug 20, 2026