

MATERIAL NUMBER 1.4362 · CLASS 1.4

# Z3CN23-04Az

Material no. 1.4362

also listed as X2CrNiN23-4

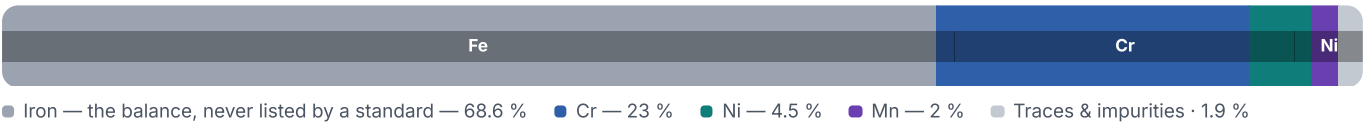
Chemical composition, mechanical and physical property values, and 14 standard designations from 6 regions.

|                             |                                              |                                      |
|-----------------------------|----------------------------------------------|--------------------------------------|
| DENSITY<br><b>7.9</b> g/cm³ | OTHER DESIGNATIONS<br><b>14</b> in 6 regions | PROPERTY VALUES<br><b>11</b> on file |
|-----------------------------|----------------------------------------------|--------------------------------------|

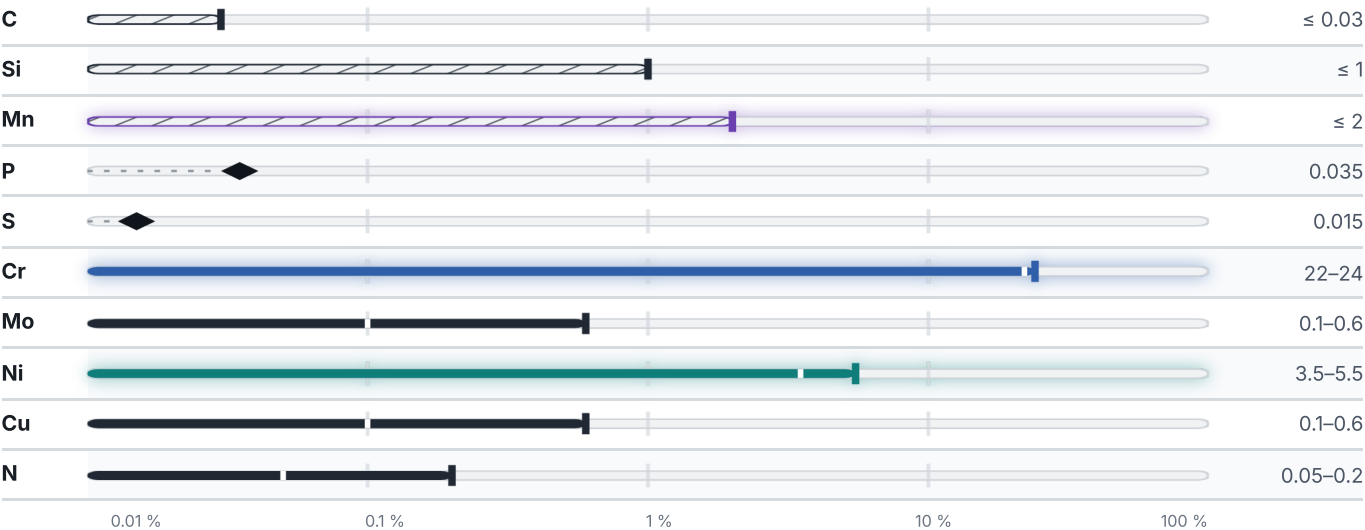
Chemical composition

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

This grade's composition falls outside the published model's validated range (a low-alloy composition window), so no

transformation temperature is predicted here.

Mechanical properties

5 values across 3 conditions

|                           |             |             |         |
|---------------------------|-------------|-------------|---------|
| SOFT ANNEALED             |             |             | HB      |
| Soft annealed             |             |             | 260     |
| CONDITION · DIMENSION     | RM<br>N/mm² | RE<br>N/mm² | A5<br>% |
| Sheet trick, GOST 7350-77 | 590         | 345         | 25      |
| SOLUTION ANNEALED         |             |             | HB      |
| Solution annealed         |             |             | 290     |

Physical properties

1 values

|          |       |       |
|----------|-------|-------|
| PROPERTY | VALUE | UNIT  |
| Density  | 7.9   | g/cm³ |

Heat treatment

1 regimes

|                    |                        |        |
|--------------------|------------------------|--------|
| STEP               | TEMPERATURE            | MEDIUM |
| Solution annealing | Temperature not stated | —      |

Designations across standards

14 designations · 4 documented as identical

|                 |                       |          |              |                       |        |
|-----------------|-----------------------|----------|--------------|-----------------------|--------|
| United States   |                       | 4        | France       |                       | 2      |
| F68             | uns                   |          | Z2CN23-04AZ  | This grade's own name | afnor  |
| S32304          | This grade's own name | uns      | Z3CN23-04Az  |                       | afnor  |
| S39230          |                       | uns      | Russia / CIS |                       | 2      |
| S32304          |                       | aisi-sae | 03KH23N6     |                       | gost   |
| China           |                       | 3        | 03X23H6      |                       | gost   |
| 00Cr23Ni4N      |                       | gb       | Sweden       |                       | 2      |
| 022Cr23Ni4MoCuN |                       | gb       | 2327         |                       | ss     |
| S23043          |                       | gb       | SIS 2327     | This grade's own name | ss     |
|                 |                       |          | Europe       |                       | 1      |
|                 |                       |          | X2CrNiN23-4  | This grade's own name | din-en |

**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 Z3CN23-04Az

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

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ISSUED

Aug 20, 2026