

# Database of Steel and Alloy ( Marochnik )

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## Characteristics for grade 4KHS ( 4XC ).

|                    |                         |
|--------------------|-------------------------|
| Grade :            | 4KHS ( 4XC )            |
| Classification :   | Alloy tool steel        |
| Equivalent grades: | <a href="#">Go here</a> |

## Chemical composition in % for grade 4KHS ( 4XC )

| C           | Si        | Mn          | Ni      | S        | P        | Cr        | Mo      | W       | V        | Ti       | Cu      |
|-------------|-----------|-------------|---------|----------|----------|-----------|---------|---------|----------|----------|---------|
| 0.35 - 0.45 | 1.2 - 1.6 | 0.15 - 0.45 | max 0.4 | max 0.03 | max 0.03 | 1.3 - 1.6 | max 0.2 | max 0.2 | max 0.15 | max 0.03 | max 0.3 |

## Temperature of critical points for grade 4KHS ( 4XC ).

$Ac_1 = 770$  ,  $Ac_3(Ac_m) = 860$  ,  $Mn = 290$

Brinell hardness for 4KHS ( 4XC ) (annealing), GOST 5950-2000

HB 10<sup>-1</sup> = 217 MPa

## Equivalent steels for grade 4KHS ( 4XC )

Warning! Indicated both exact and nearest equivalents.

|          |
|----------|
| Germany  |
| DIN,WNr  |
| 38SiCrV6 |

Database of steels and alloys (Marochnik) contains information about chemical composition and properties more then 2500 steels and alloys (stainless steel, alloy steel, carbone steel, structural steel, tool steel, cast iron, aluminum alloy, titanium alloy, copper alloy, nickel alloy, magnesium alloy and others).  
Helpfull for specialists in grade technology, structural engineer, mechanical engineer, metallurgy and metal trader

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