

# Database of Steel and Alloy (Marochnik)

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## Characteristics for grade KHN57MTVYU (XH57MTBIO).

|                           |                                          |
|---------------------------|------------------------------------------|
| <b>Grade :</b>            | KHN57MTVYU (XH57MTBIO) ( ЭП590 )         |
| <b>Classification :</b>   | High-temperature or heat-resistant alloy |
| <b>Equivalent grades:</b> | Is absent                                |

## Chemical composition in % for grade KHN57MTVYU (XH57MTBIO)

| Fe     | C        | Si      | Mn      | Ni           | S        | P         | Cr      | Ce       | Mo       | W         | Ti        | Al      | B         |
|--------|----------|---------|---------|--------------|----------|-----------|---------|----------|----------|-----------|-----------|---------|-----------|
| 8 - 10 | max 0.07 | max 0.5 | max 0.5 | 53.09 - 61.8 | max 0.01 | max 0.015 | 17 - 19 | max 0.01 | 8.5 - 10 | 1.5 - 2.5 | 2.2 - 2.8 | 1 - 1.5 | max 0.005 |

Comment: Ni is a basis; the percentage of Ni is given approximately.

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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