

# Database of Steel and Alloy (Marochnik)

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## Characteristics for grade MNMtsAZH3-12-0.3-0.3 ( МНМцАЖ3-12-0.3-0.3 ).

|                           |                                             |
|---------------------------|---------------------------------------------|
| <b>Grade :</b>            | MNMtsAZH3-12-0.3-0.3 ( МНМцАЖ3-12-0.3-0.3 ) |
| <b>Classification :</b>   | Copper-nickel alloys                        |
| <b>Equivalent grades:</b> | Is absent                                   |

## Chemical composition in % for grade MNMtsAZH3-12-0.3-0.3 ( МНМцАЖ3-12-0.3-0.3 )

| Ni+Co     | Fe        | Mn          | Al        | Cu          | Impurity |
|-----------|-----------|-------------|-----------|-------------|----------|
| 2.5 - 3.5 | 0.2 - 0.5 | 11.5 - 13.5 | 0.2 - 0.4 | 81.7 - 85.2 | all 0.4  |

Comment: **Cu** is a basis; the percentage of **Cu** 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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