

Database of Steel and Alloy (Marochnik)

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Characteristics for grade AO12-1 (AO12-1).

Grade :	AO12-1 (AO12-1)
Classification :	Alluminium antifriction alloys
Equivalent grades:	Is absent

Chemical composition in % for grade AO12-1 (AO12-1)

Fe	Ni	Al	Cu	Sn	Impurity
max 0.3	0.4 - 0.6	84.5 - 87.8	0.8 - 1.2	11 - 14	other 0.55

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

Limiting operating condition of the material AO12-1 (AO12-1)

Load	Speed	Load * Speed	Temperature
MPa	m/s	MPa * m/s	Grade
29.5	20		120

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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