

Database of Steel and Alloy (Marochnik)

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Characteristics for grade ACHV-1 (A4B-1).

Grade :	ACHV-1 (A4B-1)
Classification :	Antifriction iron castings
Equivalent grades:	Is absent

Chemical composition in % for grade ACHV-1 (A4B-1)

C	Si	Mn	S	P	Cu	Mg
2.8 - 3.5	1.8 - 2.7	0.6 - 1.2	max 0.03	max 0.2	max 0.7	0.03 - 0.08

Brinell hardness for ACHV-1 (A4B-1) , GOST 1585-85	HB 10 ⁻¹ = 210 - 260 MPa
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Limiting operating condition of the material ACHV-1 (A4B-1)

Load	Speed	Load * Speed	Temperature
MPa	m/s	MPa * m/s	Grade
1.5	10	12	
20	1	20	

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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