

Database of Steel and Alloy (Marochnik)

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Characteristics for grade ACHS-5 (A4C-5).

Grade :	ACHS-5 (A4C-5)
Classification :	Antifriction iron castings
Equivalent grades:	Is absent

Chemical composition in % for grade ACHS-5 (A4C-5)

C	Si	Mn	S	P	Al
3.5 - 4.3	2.5 - 3.5	7.5 - 12.5	max 0.05	max 0.2	0.4 - 0.8

Brinell hardness for ACHS-5 (A4C-5) , GOST 1585-85	HB 10 ⁻¹ = 180 - 290 MPa
Brinell hardness for ACHS-5 (A4C-5) (quenching) , GOST 1585-85	HB 10 ⁻¹ = 140 - 180 MPa

Limiting operating condition of the material ACHS-5 (A4C-5)

Load	Speed	Load * Speed	Temperature
MPa	m/s	MPa * m/s	Grade
20	1	20	
30	0.4	12.5	

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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