

Database of Steel and Alloy (Marochnik)

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Characteristics for grade D16ch (Д16ч).

Grade :	D16ch (Д16ч)
Classification :	Aluminium wrought alloys
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Chemical composition in % for grade D16ch (Д16ч)

Fe	Si	Mn	Cr	Ti	Al	Cu	Mg	Zn	Impurity
max 0.3	max 0.2	0.3 - 0.9	max 0.1	max 0.15	91.4 - 94.7	3.8 - 4.9	1.2 - 1.8	max 0.25	other, each 0.05; all 0.15

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

Physical properties for grade D16ch (Д16ч)

T	E 10 ⁻⁵	α 10 ⁶	λ	ρ	C	R 10 ⁹
Grade	MPa	1/Grade	Watt/(m·Grade)	kg/m ³	J/(kg·Grade)	Ohm·m
20				2780		

Equivalent steels for grade D16ch (Д16ч)

Warning! Indicated both exact and nearest equivalents.

Inter
ISO
2124

Specification :

Physical properties :

- T** - Test temperature , [Grade]
- E** - Young modulus , [MPa]
- α** - Coefficient of linear expansion (range 20° - T) , [1/Grade]
- λ** - Thermal (heat) condition coefficient , [Watt/(m·Grade)]
- ρ** - Density , [kg/m³]
- C** - Specific heat (range 20° - T) , [J/(kg·Grade)]
- R** - Electrical resistance , [Ohm·m]

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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