

Database of Steel and Alloy (Marochnik)

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Characteristics for grade S345D (C345Д).

Grade :	S345D (C345Д)
Substitute:	12Г2СД, 09Г2СД
Classification :	Steel for structural constructions
Equivalent grades:	Is absent

Chemical composition in % for grade S345D (C345Д)

C	Si	Mn	Ni	S	P	Cr	N	Cu
max 0.15	max 0.8	1.3 - 1.7	max 0.3	max 0.04	max 0.035	max 0.3	max 0.012	0.15 - 0.3

Technological properties for grade S345D (C345Д)

Weldability:	without limitations.
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Specification :

Weldability :

- without limitations** - welding is done without heating and subsequent heat treating
- limited weldability** - welding is possible under heating up to 100-120 grade and subsequent heat treating
- hard weldability** - obtaining the quality welding needs the additional operations: heating up to 200-300 grade; the heat treating is annealing

Database of steels and alloys (Marochnik) contains information about chemical composition and properties more than 2500 steels and alloys (stainless steel, alloy steel, carbon steel, structural steel, tool steel, cast iron, aluminum alloy, titanium alloy, copper alloy, nickel alloy, magnesium alloy and others).
Helpful for specialists in grade technology, structural engineer, mechanical engineer, metallurgy and metal trader

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