

CARBO S- AlMg 4,5 Mn
CARBO T- AlMg 4,5 Mn

	S = solid wire	T = bare rod
International standards	DIN 1732	SG AlMg 4,5 Mn
	Material No.	3.3548
	AWS A 5.10	ER 5183

Approvals --- ---

Application notes Aluminium.Magnesium alloy welding wire for GMA (MIG) welding of similar alloys and also for age hardenable Al-alloys.

Selector Guide AlMg 3 (3.3535); AlMg4,5Mn (3.3547), AlMg5; (3.3555); AlCuMg1 (3.1325); AlMgSi1 (3.2315); AlZn4,5Mg1 (3.4335)

Mechanical properties of all-weld-metal	Tensile strength	Yield strength	Elongation
	R _m N/mm ²	R _{p0,2} N/mm ²	A ₅ %
(typical values)	>275	>125	>17

Physical properties (typical values at 20°C)	Electric conductivity	Thermal conductivity	Linear thermal expansion coefficient
	S ≥m/mm ²	W/(m≥K)	[1/K]
	16-19	110-120	23.7 ≥10 ⁻⁶

Weld metal analysis (typical, wt. %)	Al	Mn	Mg	Cr	Ti
		bas.	0,8	4,9	0,15

Gas types EN 439	S = solid wire				T = bare rod				
	I1				I1				
Current	= +				= -				
Diameter mm	0,8	1,0	1,2	1,6	1,6	2,0	2,4	3,2	4,0
Welding amps (A) min.									
(A) max.									
coils, weight	K300 7 kg.				10 kg./ carton				

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Statements on composition and application are just for the applier's information. Statements on mechanical properties always refer to the all-weld-metal according to valid standards. Carbo-Weld may change the characteristics of its products without notice. We recommend the applier to check our products for their special application autonomously.