

## Classifications

<b>EN ISO 18273</b>	<b>AWS A5.10</b>
S Al 5754 (AlMg3)	ER5754

## Characteristics and typical fields of application

Aluminium-alloyed wire for welding of aluminium alloys up to 3 % Mg. The weld metal is seawater-resistant. Welding joints on anodic oxidable base materials.

## Base materials

AlMg 3	3.3535	EN AW-5754 [AlMg 3]
AlMg 2 Mn 0.3	3.3525	EN AW-5251 [AlMg 2]
AlMg	3.3315	EN AW-500SA [AlMg 1(C)]
AlMgSi 0.5	3.3206	EN AW-6060 [AlMgSi]
AlMg 2.7 Mn	3.3537	EN AW-5454 [AlMg 3 Mn]
G-AlMg 3	3.3541	EN AC-51100
GAlMg 3 Si	3.3241	-

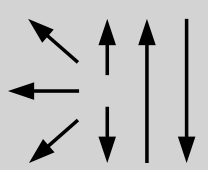
## Typical analysis of solid wire (wt.-%)

	Al	Mn	Cr	Mg	Ti
wt.-%	bal.	0.1 – 0.6	< 0.3	2.6 – 3.6	< 0.15

## Mechanical properties of all-weld metal

Condition	Yield strength	Tensile strength	Elongation A (L <sub>0</sub> =5d <sub>0</sub> )
	R <sub>p0.2</sub>	R <sub>m</sub>	
	MPa	MPa	%
u	<b>80</b>	≥ 190	≥ 20
u	untreated, as welded		

## Operating data

	<b>Polarity:</b> DC (+)	<b>Shielding gases:</b> EN ISO 14175: I1, I3	<b>ø (mm)</b> 1.2
	Base material should be cleaned near the seam. Pre-heating 150 °C for plates > 15 mm		

## Approvals

DB (61.014.02), CE