

CEWELD AlMg 3 Tig

certilas® THE FILLER METAL SPECIALIST

TYPE

TIG filler metal for welding Aluminium Magnesium alloys.

APPLICATIONS

Suitable for base metals with maximum 3% Mg. These alloys are suitable for a big range of applications in the construction sector, in general, and in the structural industry. Widely used in ship and vessel building.

PROPERTIES

This alloy offers excelent weldabillity when properly cleaned prior to welding. Heavy parts and thicker plates should be preheated (150°C), prior to welding The alloy shows good corrosion-resistance and an excellent colour-uniformity after anodizing. CEWELD® AlMg3 Tig offers also good resistance against seawater.

CLASSIFICATION

AWS	A 5.10: ER5754
EN ISO	18273: S Al 5754 (AlMg3)
F-nr	22

SUITABLE FOR

Aluminium alloys: AlMg Mn, AlMg 3Mn, AlMg1, AlMg2, AlMg2,7Mn, AlMg3, AlMg3,5, AlMgSi0,5, AlMgSi0,8, G-AlMg3Si, 3.3315, 3.3535, 3.3206, 3.3541, EN AW 5005A, EN AW 5754, EN AW 6060, EN AC 51100, EN AW 5454, EN AW 5251

APPROVALS

CE

WELDING POSITIONS



TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

Al	Mg
Rem.	3.2

MECHANICAL PROPERTIES

Heat Treatment	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Hardness
As Welded	80	190	20	HRc

REDRYING

Not required

GAS ACC. EN ISO 14175

I1, I3



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ALMG 3 TIG 1,6 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663407313

ALMG 3 TIG 2,0 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663407320
Tube	5	8720663407337

ALMG 3 TIG 2,4 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663407344

ALMG 3 TIG 3,2 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663407351

ALMG 3 TIG 4,0 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663407368

ALMG 3 TIG 5,0 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663407375