



# CEWELD AlMg 5 Tig

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                       |                                |                 |                       |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|--------------------------------|-----------------|-----------------------|
| TYPE                                              | Tig filler metal for welding Aluminium Magnesium alloys.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                       |                                |                 |                       |
| TOEPASSINGEN                                      | Filler metal for welding Aluminium alloys with maximum 5% Magnesium. This Magnesium alloyed Aluminium wire, thanks to its excellent corrosion resistance and its high mechanical properties is mainly used in ship yards, car and railway industry.                                                                                                                                                                                                                                                                                                                                                  |                                                       |                                |                 |                       |
| EIGENSCHAPPEN                                     | Excellent weldability and good mechanical strength combined with good corrosion resistance are typical for this alloy. The weld deposit is free from porosity due to the special shaving process and cleaning method during production. AlMg5 is one of the most popular types within the range of aluminum alloys and covers a weight range of alloys. Thicker sections should be preheated (150°C) prior to welding.                                                                                                                                                                               |                                                       |                                |                 |                       |
| CLASSIFICATIE                                     | AWS<br>EN ISO<br>F-nr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | A 5.10: ER5356<br>18273: S Al 5356 (AlMg5Cr(A))<br>22 |                                |                 |                       |
| GESCHIKT VOOR                                     | Aluminium alloys: AlMg3, AlMg4, AlMg5,AlMgSi0.5, AlMgSi1; AlMgMn, AlZnMg1, G-AlMg3Si, G-AlMg5Si, G-AlMg10, AlMg1SiCu, AlMgSi0,7, AlZn4,5Mg1, AlZnMg4,5Mn ,AlZn5,5Mg1, AlSi1MgMn, AlSiMg(A), 3.3545, 3.3206, 3.3210, 3.2315, 3.3211, 3.4335, EN AW 5086, EN AW 6060, EN AW 6005A, EN AW , EN AW 6061, EN AW 7020,EN AW 7021 EN AC 51400, EN AC 51300, EN AC 51100, EN AW 5454                                                                                                                                                                                                                         |                                                       |                                |                 |                       |
| GOEDKEURINGEN                                     | CE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                       |                                |                 |                       |
| LASPOSITIES                                       |        |                                                       |                                |                 |                       |
| TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%) | Si<br>0.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Mn<br>0.1                                             | Cr<br>0.1                      | Ti<br>0.1       | Al<br>Rem.<br>Mg<br>5 |
| MECHANISCHE WAARDEN                               | Heat Treatment<br>As Welded                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | R <sub>P0,2</sub><br>(MPa)<br>127                     | R <sub>m</sub><br>(MPa)<br>285 | A5<br>(%)<br>27 | Hardness<br>HRc       |
| HERDROGEN                                         | Not required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                       |                                |                 |                       |
| GAS ACC. EN ISO 14175                             | I1, I3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                       |                                |                 |                       |



# CEWELD ALMg 5 Tig

|                         |           |         |               |
|-------------------------|-----------|---------|---------------|
| ALMG 5 TIG 1,2 X 1000MM | Packaging | KG/unit | EanCode       |
|                         | Tube      | 5       | 8720663407382 |
| ALMG 5 TIG 1,6 X 1000MM | Packaging | KG/unit | EanCode       |
|                         | Tube      | 5       | 8720663407399 |
| ALMG 5 TIG 2,0 X 1000MM | Packaging | KG/unit | EanCode       |
|                         | Tube      | 5       | 8720663407405 |
| ALMG 5 TIG 2,4 X 1000MM | Packaging | KG/unit | EanCode       |
|                         | Tube      | 5       | 8720663407412 |
| ALMG 5 TIG 3,2 X 1000MM | Packaging | KG/unit | EanCode       |
|                         | Tube      | 5       | 8720663407429 |
| ALMG 5 TIG 4,0 X 1000MM | Packaging | KG/unit | EanCode       |
|                         | Tube      | 5       | 8720663407436 |
| ALMG 5 TIG 5,0 X 1000MM | Packaging | KG/unit | EanCode       |
|                         | Tube      | 5       | 8720663407443 |