



PREMIUM QUALITY ALUMINUM WIRES

# Product Specification

## RD-5356

### Conformances

AWS A5.10      ER 5356  
 EN ISO 18273    S Al 5356 {AlMg<sub>5</sub>Cr(A)}  
 JIS Z3232      A 5356

### Shielding Gas

Argon (100%)  
 Mixed (Argon+Helium)

### Key Features

For Al-Mg or Al-Mg-Zn aluminium alloy.  
 For dissimilar aluminium alloys with maximum 5% of magnesium.  
 Non-heat treatable.  
 Excellent corrosion resistance and mechanical properties.

### Typical Application

Ship - Making  
 Bicycle & Truck  
 Storage Tank  
 Pressure Vessels  
 Railways  
 Automotive Industry

### Available

MIG wire (1.0 mm & 1.2 mm)  
 TIG wire (All sizes)

### Weldable Base Materials

Series 5XXX aluminium alloys Al-Mg & Al-Mg-Zn alloys such as Peraluman 3, 5 & 5 type or Anticorodal 11 (Illustrative, not-exhaustive list)

### Chemical Composition (%)

Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Be
Max	Max	Max	0.05	4.50	0.05	Max	0.06	Max
0.25	0.40	0.10	0.20	5.50	0.20	0.10	0.20	0.0003

### Mechanical Properties

Yield Strength (Rp <sub>0.2</sub> )	Tensile Strength (Rm)	Elongation	Charpy V Impact (R.T.)
≥ 126 N/mm <sup>2</sup>	≥ 275 N/mm <sup>2</sup>	≥ 18%	≥ 16J