Aluminum Welding Wire

Aluminum welding wire is precision-drawn for consistent diameter and smooth feeding, ensuring reliable arc stability. It provides excellent corrosion resistance and high tensile strength welds for welding aluminum alloys in various industries.

Overview

Comprehensive range of aluminum welding alloys available in various spool and box sizes for professional industrial use.

High-Performance Aluminum Welding Solutions

This premium aluminum welding wire is engineered for superior performance in both MIG and TIG welding processes. Featuring a shaved and lubricated surface, it ensures exceptional feedability and arc stability with minimal spatter. Available in over twenty different alloys, it provides excellent corrosion resistance and high tensile strength for demanding applications in automotive, aerospace, and general fabrication.

Key Features

Performance Highlights

20 +	1000 mm	15 kg
Available Alloys	Max TIG Length	Max Spool Weight

Technical Specifications

Common Alloy Types

- ER1100
- ER4043
- ER4047
- ER5183
- ER5356
- ER5554
- ER5556

Welding Processes	MIG, TIG
Surface Treatment	Shaved and lubricated for improved feedability

MIG Welding Data

Spool Standards

D100 • D200 • D300 • K300 • D355

MIG Wire Diameters

- 0.8
- 0.9
- 1
- 1.2
- 1.6
- 2

TIG Welding Data

TIG Wire Diameters

- 1.6
- 2
- 2.4
- 3.2
- 4
- 5

Available Rod Lengths	914mm, 1000mm

Chemical Composition

Chemical Composition by Type

Type	Si (%)	Mg (%)	Anodizing Color
ER1100	0.25	0.05	Gold
ER4043	4.7-5.3	0.05	Gray
ER5356	0.1	4.5-5.5	White
ER5556	0.25	4.7-5.5	White

Applications

Target Industries

- Automotive
- Aerospace
- General Fabrication