

XCEL-ARC

ALUMINIUM TIG WIRE

- High Quality
- Triple Shaved
- X-Ray Quality
- Low Fume Factor
- Cleaner Welds



Approvals

AWS • ABS • CWB • Lloyds Register • DNV • TUV • DB

Xcel-Arc premium quality aluminium TIG wires are engineered for use in TIG welding applications where clean, oxide and porosity free welds are required. We source from the world's only fully integrated aluminium wire and rod mill. That means there is control in the quality and consistency of our products from start to finish, including melting raw material, continuous casting rod, to drawing, shaving, spooling, cleaning, testing and cutting of TIG wires. Xcel-Arc TIG wire is available in a variety of alloys and diameters to meet various aluminium welding fabrication requirements. Xcel-Arc aluminium TIG wires are stamped/embossed with the alloy for identification purposes.

XA4043 Tig Filler Wire

Part-No	Description	Weight
XA4016	XA4043 x 1.6mm Tig Wire	5.0kg
XA4024	XA4043 x 2.4mm Tig Wire	5.0kg
XA4032	XA4043 x 3.2mm Tig Wire	5.0kg

Chemical Analysis

Al: 94.00%	Si: 5.0%	Fe: 0.40%
Mg: 0.05%	Mn: 0.05%	Ti: 0.15%

Typical Mechanical Properties of Weld Metal

Yield Stress	Tensile Strength	Elongation	Heat Treatment
≥40Nmm ²	≥120N/mm ²	A5 (%) ≥8	AW

XA4047 Tig Filler Wire

Part-No	Description	Weight
XA404724	XA4047 x 2.4mm Tig Wire	5.0kg
XA404732	XA4047 x 3.2mm Tig Wire	5.0kg

Chemical Analysis

Al: 88.00%	Si: 12.0%	Fe: 0.60%
Cu: 0.20%	Mn: 0.15%	

Typical Mechanical Properties of Weld Metal

Yield Stress	Tensile Strength	Elongation	Heat Treatment
≥60Nmm ²	≥130N/mm ²	A5 (%) ≥5	AW

XA5356 Tig Filler Wire

Part-No	Description	Weight
XA5316	XA5356 x 1.6mm Tig Wire	5.0kg
XA5324	XA5356 x 2.4mm Tig Wire	5.0kg
XA5332	XA5356 x 3.2mm Tig Wire	5.0kg

Chemical Analysis

Al: Rest	Mg: 4.50-5.50%	Mn: 0.05-0.20%
Cr: 0.05-0.20%	Ti: 0.06-0.20%	

Typical Mechanical Properties of Weld Metal

Yield Stress	Tensile Strength	Elongation	Heat Treatment
≥110Nmm ²	≥235N/mm ²	A5 (%) ≥17	AW

XA5183 Tig Filler Wire

Part-No	Description	Weight
XA518324	XA5183 x 2.4mm Tig Wire	5.0kg
XA518332	XA5183 x 3.2mm Tig Wire	5.0kg

Chemical Analysis

Al: Rest	Mg: 4.30-5.20%	Mn: 0.05%
Cr: 0.05%	Ti: 10%	Si: 0.15%

Typical Mechanical Properties of Weld Metal

Yield Stress	Tensile Strength	Elongation	Heat Treatment
≥120Nmm ²	≥250N/mm ²	A5 (%) ≥16	AW