

Aluminium electrode with 5% silicium, designed for repair and assembly of aluminium or aluminium alloys workpieces. It is very resistant to corrosion, low porosity as well as good mechanical properties.

■ Classification

ISO 18273 : Al 4043A

AWS A 5.3 : E4043

DIN 1732 : EI-AlSi5

■ Applications

- Foundry alloys,
- Engine blocks,
- Cylinder heads,
- Tanks,
- Containers,
- Marine and chemical industry.

■ Benefits

- Good mechanical properties.
- Excellent resistance to corrosion.

■ Positions and polarity



- Ignition from 60V - Direct current.
- **Electrode polarity (+).**

■ Chemical properties

| Al % | Mn % | Si % | Fe % |
|------|-------|------|-------|
| base | <0.50 | 5.00 | <0.50 |

■ Mechanical properties

| Rm | Rp0,2 | A 5 d | Dureté |
|---------------|--------------|-------|--------|
| 110 ▶ 160 MPa | 70 ▶ 100 MPa | >15% | ~50 HB |

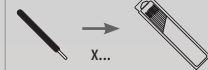
■ Recommendations

| | | |
|---------------------|-----|-------|
| Ø électrode (mm) | 2.5 | 3.2 |
| thickness (mm) | - | 3 ▶ + |
| welding current (A) | 60 | 90 |

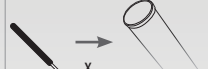
- Preheat the part to be welded if it is thick.

Packaging



| Ref. | Ø (mm) | length (mm) |  |
|--------|--------|-------------|---|
| 073708 | Ø 2.5 | 350 | 7 |
| 084803 | Ø 3.2 | 350 | 5 |



| Ref. | Ø (mm) | length (mm) |  |
|--------|--------|-------------|---|
| 081949 | Ø 3.2 | 350 | 142 |