

# ULTRAFIL<sup>®</sup>

FOR THOSE TO WHOM CONSISTENCY MATTERS



[www.lincolnelectric.eu](http://www.lincolnelectric.eu)

  
OERLIKON

# QUALITY MIG WIRE STARTS WITH QUALITY GREEN ROD

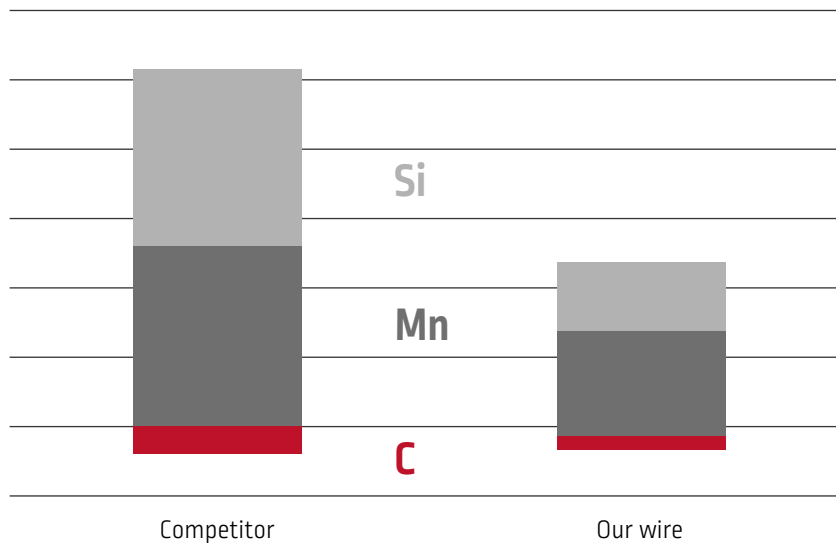


**RAW MATERIAL IS REGULARLY TESTED:  
CHEMICAL AND MECHANICAL ANALYSIS**

---

## RAW MATERIAL CHEMICAL COMPOSITION

Strict product specifications combined with the industries most extensive production and quality control guarantees the unparalleled consistency of our solid wires.



Chemical composition has to meet a tighter range, as per our specification



Production parameters are continuously monitored to guarantee consistency and homogeneity of the wire.



**COPPER COATING  
THICKNESS MEASUREMENT**

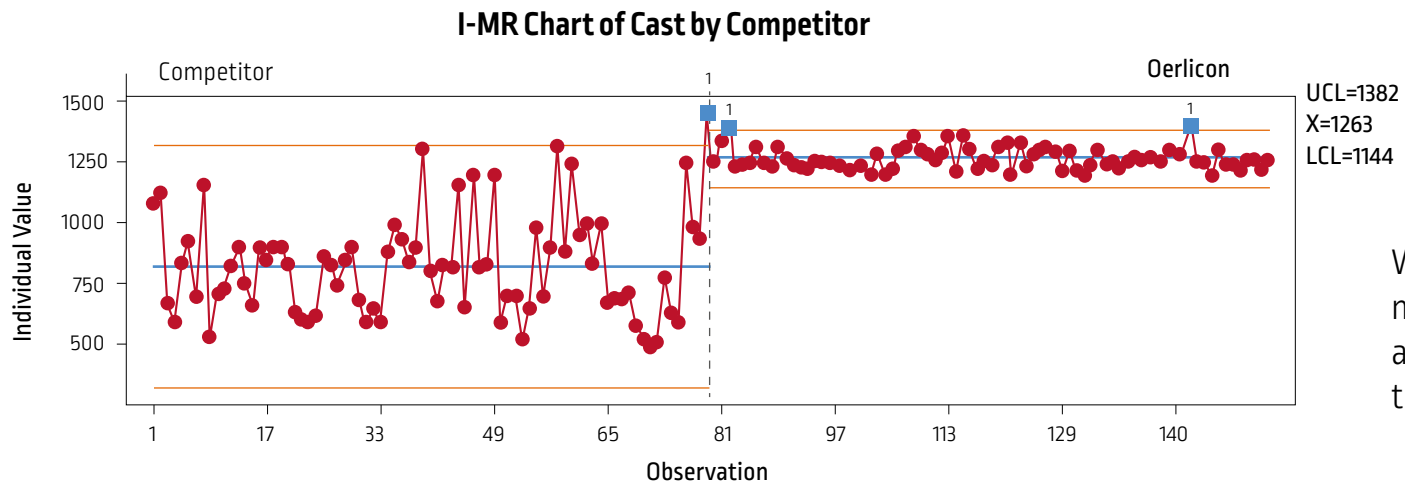
---



**KEY PRODUCTION PARAMETERS MONITORED  
THROUGH STATISTICAL PROCESS CONTROL**

---

# GEOMETRY CHECKS



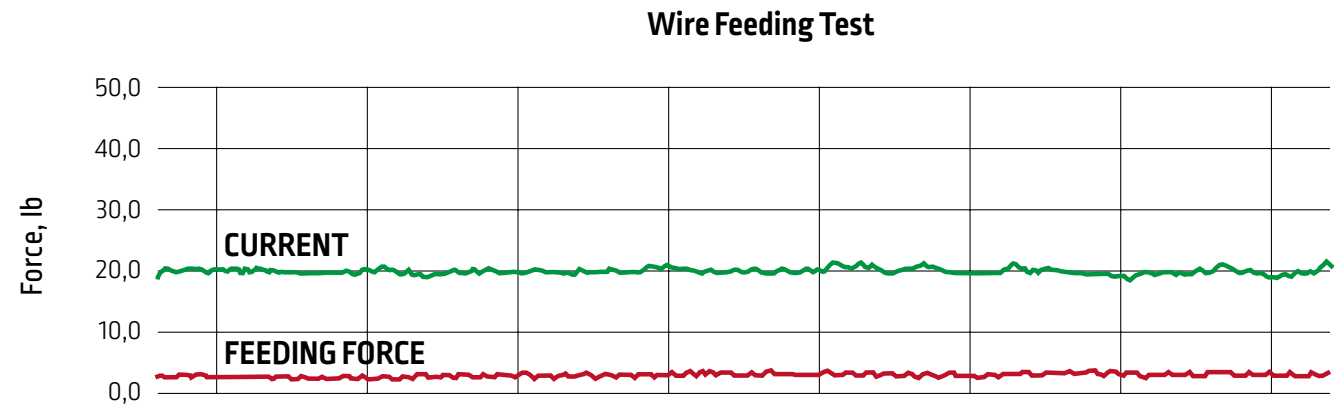
Wire features are regularly and constantly monitored: numerous checks of cast and helix values and specific attention to torsion and amplitude for drums.



Diameter and ovality are also regularly checked to guarantee arc stability.

## WELDING TESTS

Feedability and weldability tests are performed to guarantee maximum consistency over time.



FULL TRACEABILITY FROM THE COILS TO THE FINISHED PRODUCT THROUGHOUT THE PRODUCTION PROCESS.



With more than 40 years of experience in solid wire production from raw material to finished products, we provide a wide range of products, available in different diameters and packagings – from spools to drums with the most consistent product quality that you should expect.

| Product name | Classification |                                | Diameter (mm) | Item number  | Packaging          | Approvals         |
|--------------|----------------|--------------------------------|---------------|--------------|--------------------|-------------------|
|              | AWS A5.18      | EN ISO 14341-A                 |               |              |                    |                   |
| ULTRAFIL® 1  | ER70S-6        | G 42 3 C1 3Si1 G 42 4 M21 3Si1 | 0.8 mm        | E08L016P6E11 | 16KG SPOOL (BS300) | TÜV,<br>DB,<br>CE |
|              |                |                                | 1.0 mm        | E10L016P6E11 |                    |                   |
|              |                |                                | 1.2 mm        | E10D300E6E11 | 300KG DRUM         |                   |
| ULTRAFIL® 1A | ER70S-6        | G 46 3 C1 4Si1 G 46 4 M21 4Si1 | 1.0 mm        | E12L016P6E11 | 16KG SPOOL (BS300) |                   |
|              |                |                                |               | E12D300E6E11 | 300KG DRUM         |                   |
|              |                |                                | 1.2 mm        | E10L016P3E11 | 16KG SPOOL (BS300) |                   |
|              |                |                                |               | E10D300E3E11 | 300KG DRUM         |                   |
|              |                |                                |               | E12L016P3E11 | 16KG SPOOL (BS300) |                   |
|              |                |                                |               | E12D300E3E11 | 300KG DRUM         |                   |



See  
ULTRAFIL®  
range



16 kg Spools  
BS300



300 kg  
drums

- Test results were obtained from a weld produced and tested in a lab according to prescribed standards, and should not be assumed to be the expected results in a particular application or weldment.
- Actual results will vary depending on many factors, including, but not limited to, weld procedure, plate chemistry and temperature, weldment design and fabrication methods.

#### CUSTOMER ASSISTANCE POLICY

The business of The Lincoln Electric Company® is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to enquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

Lincoln Electric is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.

Subject to Change – This information is accurate to the best of our knowledge at the time of printing. Please refer to [www.lincolnelectric.eu](http://www.lincolnelectric.eu) for any updated information.



[www.lincolnelectric.eu](http://www.lincolnelectric.eu)

