



Our Welding Solutions for the Nuclear Industry



- ✓ Designer, producer, adviser and distributor of filler metals
- ✓ Complete range of high-quality welding and brazing filler metals
- ✓ Specialist in technical markets



EDITION 3



OUR EXPERTISE

Our know-how

Selectarc is the French manufacturer of welding and brazing filler metals with over 200 years of metallurgical expertise and is ISO 9001 as well as ISO 19443 certified. Selectarc designs, develops and delivers high-performance solutions dedicated to the nuclear energy sector.

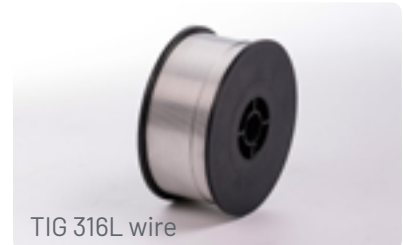
Our expertise in the production of coated electrodes and solid wires, along with related service offerings that meet the most stringent standards, enables us to support the nuclear industry both in France and internationally. Selectarc also stands out for its responsiveness, flexibility and the agility of its integrated organization.



316L electrodes



TIG F56N rods



TIG 316L wire

Tailor-made support

Custom solutions designed to meet the demanding requirements of the nuclear applications.



Support, recommendations, and assistance

Collaborating with Selectarc means benefiting from cutting-edge service that combines expertise and responsiveness.

Our engineers support you at every stage of your projects: product selection, inspection and testing, analysis and qualification, documentation and delivery.



Research and Development (R&D)

To meet your specific applications, we can :

- design
- test
- qualify

custom products that ensure the required operational and mechanical performance.

OUR PRODUCT RANGE

Selectarc offers a wide range of high-performance welding filler metals for the nuclear energy sector.

Alloy	Selectarc designation	ASME II Part C classification	EN / ISO classification
Unalloyed Steels	■ B7018SN (SMAW)	• AWS A5.1 : E7018-1	• ISO 2560-A : E 42 4 B 3 2 H5
	■ TIG F56N (GTAW)	• AWS A5.18 : ER70S-3	• ISO 636-A : W46 5 2Si
	■ TIG F57HP (GTAW)	• AWS A5.18 : ER70S-6	• ISO 636-A : W46 4 3Si1
Stainless Steels	■ INOX 308B (SMAW)	• AWS A5.4 : E308L-15	• ISO 3581-A : E 19 9 L B 4 2
	■ 20/10BC (SMAW)	• AWS A5.4 : E308L-16	• ISO 3581-A : E 19 9 L R 3 2
	■ TIG 20/10 (GTAW)	• AWS A5.9 : ER308L	• ISO 14343-A : W 19 9 L
	■ UP 308L + WP380 (SAW)	• AWS A5.9 : ER308L	• ISO 14343-A : S 19 9 L • ISO 14174 : S F CS 2 5742
	■ INOX 316NG (SMAW)	• AWS A5.4 : E316L-15	• ISO 3581-A : E 19 12 3 L B 4 2
	■ INOX 316L (SMAW)	• AWS A5.4 : E316L-17	• ISO 3581-A : E 19 12 3 L R 3 2
	■ TIG 20/10M (GTAW)	• AWS A5.9 : ER316L	• ISO 14343-A : W 19 12 3L
	■ UP 316L + WP380M (SAW)	• AWS A5.9 : ER316L	• ISO 14343-A : S 19 12 3 L • ISO 14174 : S F CS 2 5742
	■ INOX 13/4 (SMAW)	• AWS A5.4 : E410NiMo-15	• ISO 3581-A : E 13 4 B 4 2
	■ 309LB (SMAW)	• AWS A5.4 : E309L-15	• ISO 3581-A : E 23 12 L B 4 2
	■ TIG 24/12 (GTAW)	• AWS A5.9 : ER309L	• ISO 14343-A : W 23 12 L
Nickel-based alloys	■ Ni182 (SMAW)	• AWS A5.11 : ENiCrFe-3	• ISO 14172 : E-Ni 6182 (NiCr15Fe6Mn)
	■ TIG NI82 (GTAW)	• AWS A5.14 : ERNiCr-3	• ISO 18274 : S-Ni 6082 (NiCr20Mn3Nb)
	■ NI690 (SMAW)	• AWS A5.11 : ENiCrFe-7	• ISO 14172 : E-Ni6152 (NiCr30Fe9Nb)
	■ TIG NI690 (GTAW)	• AWS A5.14 : ERNiCrFe-7A	• ISO 18274 : S-Ni 6054 (NiCr29Fe9)

Quality

The importance of Nuclear safety is at the heart of Selectarc's commitment. We follow through rigorous and demanding standards in terms of traceability and transparency - essential elements for maintaining our customers' trust. Our goal is to continuously improve our performance and strengthen the quality of our products and services.



OUR SERVICES

Expertise dedicated to the nuclear industry:

- Products meeting the highest requirements for new constructions, maintenance or prototyping of nuclear facilities, in compliance with ASME and RCC-M codes. Selectarc is also KTA 1408 certified
- Rigorous quality management system, aligned with the sector's demanding standards and validated by ISO 19443 certification

Custom work | Tailor-made services under quality control

- Wire drawing, straightening, cutting of all types of alloys
- Winding on all types of supports
- Electrochemical stripping and mechanical cleaning
- Individual product identification (marking, stamping and flagging)

Packaging

- **Coated electrodes:** cardboard boxes, plastic boxes or vacuum packaging
- **TIG rods:** cardboard or plastic tubes (argon protection possible)
- **Orbital TIG wire:** D300, D200, D100 reels
- **Other packaging options:** on request



SELECTARC®, The french manufacturer of welding and brazing filler metals

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CATALOGUE



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