



Our welding solutions for the defence industry



- ✓ Designer, manufacturer, supplier and distributor of filler metals
- ✓ A comprehensive range of high-quality welding and brazing filler metals
- ✓ Specialist in technical markets

ISO 9001
ISO 19 443
BUREAU VERITAS
Certification



EDITION 1



OUR EXPERTISE

French industrial expertise at the service of defence programmes

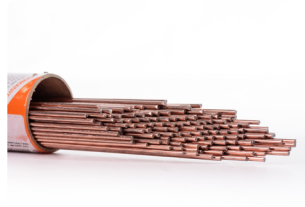
In the defence sector, **industrial sovereignty** is a major strategic challenge. As the French manufacturer of filler metals for welding and brazing, Selectarc leverages its **metallurgical expertise**, its strong industrial presence in France and its production capacity to meet the most demanding applications.

We contribute to the performance, **reliability** and **durability** of equipment **operating in critical environments**. Our solutions **support land, naval** and **air defence** organisations for assembly, maintenance and repair operations. Armored vehicles, mission-critical onboard systems, military vessels, aircraft and sensitive infrastructure: every program depends on high-performance materials, consistent quality and a secure, reliable supply chain.

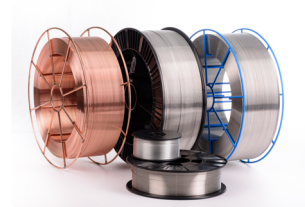
Thanks to our expertise in manufacturing processes and our recognised technical standards, Selectarc has established itself as a **trusted partner** for securing supplies and preserving national industrial capabilities.



Coated electrodes



TIG rods



MIG wire spools



Locking wires

Technical support tailored to your requirements

Every defense program faces specific technical, regulatory and operational challenges. To address them, Selectarc offers **customized support** through its **engineering teams** and **integrated R&D laboratory**. In close collaboration with your experts, we help qualify processes, validate solutions and accelerate project development while ensuring performance, reliability and compliance.



Support, advice & assistance

Partnering with Selectarc means benefiting from a cutting-edge service that combines expertise with responsiveness. Our engineers support you at every stage of your projects: product selection, inspection, testing, documentation and delivery.



Research & Development

To address your specific application challenges, we develop, test, and qualify customized solutions engineered to meet the required operational, mechanical and performance criteria.

OUR PRODUCT RANGE

Selectarc offers a wide range of high-performance filler metals designed to meet the demands of critical defence applications.

Range	Selectarc designation	Type	AWS classification	EN/ISO classification
Unalloyed and low-alloy steels	■ 51	Coated electrode	• AWS A5.1 : E6013	• ISO 2560-A : E 42 0 RC 11
	■ B7016SP VAC	Coated electrode	• AWS A5.1 : E7016	• ISO 2560-A : E 38 3 B 12 H10
	■ B56S VAC	Coated electrode	• AWS A5.1 : E7018-1	• ISO 2560-A : E 42 4 B 4 2 H5
	■ FCW 710M	Flux-cored wire	• AWS A5.18 : E70C-6M H4	• ISO 17632-A : T 46 6 M M211 H5
	■ B77	Coated electrode	• AWS A5.5 : E11018-M H4R	• ISO 18275-A : E 69 6 Mn2NiCrMo B 4 2 H5
	■ F77G	TIG/MIG solid wire	• AWS A5.28 : ER100S-G	• ISO 16834-A : G 69 4 M21 Mn3Ni1CrMo • ISO 16834-A : W 69 4 I1 Mn3Ni1CrMo
	■ FCW 77-M	Flux-cored wire	• AWS A5.28 : E110C-K4-H4	• ISO 18276-A : T 69 4 Mn2NiCrMo M M211 H5
	■ 8CD12	TIG/MIG solid wire	• AIR 9117 : 8 CD 12	• EN 4332 : 8CrMnMo12-4-9
	■ 15CDV6	TIG/MIG solid wire	• AIR 9117 : 15 CDV 6	• EN 4334 : 15 CrMnMoV5-4-9-3
Stainless steels	■ 24/12Mo	Coated electrode	• AWS A5.4 : E309LMo-17	• ISO 3581-A : E 23 12 2 L R 3 2
	■ 307R	Coated electrode	• AWS A5.4 : ~E307-16	• ISO 3581-A : E 18 8 Mn R 3 2
	■ Inox 308Mo	Coated electrode	• AWS A5.4 : ~E308Mo-17	• ISO 3581-A : E 20 10 3 R 3 2
	■ 18/8Mn	MIG solid wire	• AWS A5.9 : ~ER307	• ISO 14343-A : G 18 8 Mn
	■ 24/12S	TIG/MIG solid wire	• AWS A5.9 : ER309LSi	• ISO 14343-A : W 23 12 L Si • ISO 14343-A : G 23 12 L Si
	■ 17/4MO	TIG/MIG solid wire	• AIR 9117 : Z8CND17-04	• ISO 14343-A : W Z 17 4 Mo • ISO 14343-A : G Z 17 4 Mo
Aluminium alloys	■ ALG5	TIG/MIG solid wire	• AWS A5.10 : ER5356	• ISO 18273 : S Al 5356 (AlMg5Cr)
	■ ALG4M	TIG/MIG solid wire	• AWS A5.10 : ER5183	• ISO 18273 : S Al 5183 (AlMg4.5Mn0.7(A))
Cobalt alloys	■ FIC0188	TIG/MIG solid wire	• AMS : 5801	• EN 3888 : CoCr22Ni22W15
	■ FIC0694	TIG/MIG solid wire	• -	• EN 4326 : CoCr28W20Ni5V1
Titanium alloys	■ T40	TIG/MIG solid wire	• AWS A5.16 : ERTi-2	• ISO 24034 : S Ti 0120 (Ti99.6)
	■ TA6V4	TIG/MIG solid wire	• AWS A5.16 : ERTi-5	• ISO 24034 : S Ti 6402 (TiAl6V4B)
M&R	■ MARVAL 18S*	TIG/MIG solid wire	• AIR 9117 : Z2NKD18	• EN 14700 : S Z Fe5 <i>*Registered trademark Aubert&Duval</i>
Locking wires	■ Z 2 CN 18-10	Locking wire	• NFL 23.320 : Z2CN18-10	• LN 9424 : 1.4314.9
	■ Z 6 CNT 18-10	Locking wire	• NFL 23.320 : Z6CNT18-10	• EN 3628

OUR SERVICES

Quality

In critical industries, quality leaves no room for compromise. Selectarc relies on a rigorous quality management system, **ISO 9001 certified**, ensuring process reliability, consistent performance and continuous improvement.

ISO 9001
ISO 19 443
BUREAU VERITAS
Certification



ISO 19443 certification reinforces this approach by incorporating specific requirements relating to nuclear safety, particularly in terms of risk management, traceability, skills and quality culture. This standard demonstrates our ability to meet the expectations of the most demanding sectors and enables defence stakeholders to rely on a partner that is reliable, well-structured and committed to the long term.

Custom work

Tailor-made services under quality control

- Wire drawing, straightening and cutting services of all alloy types
- Winding on all types of support
- Electrochemical pickling and mechanical cleaning
- Individual product identification: marking, stamping and flagging

Packaging

- **Coated electrodes:** cardboard/plastic cases or vacuum-sealed packaging
- **TIG rods:** cardboard/plastic tubes (argon protection available)
- **MIG/MAG spools:** cardboard boxes
- **Other packaging options:** available upon request



SELECTARC®

The French manufacturer of welding and brazing filler metals

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CATALOGUE



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