

WELDING APPLICATIONS PROGRAMME FOR THE AERONAUTICAL AND AEROSPACE INDUSTRIES

- Historical know-how
- Approved supplier
- Wide choice of alloys and special wires
- Clear identification of the products
- Technical advice
- Responsiveness
- Research and Development
- ISO 9001 : 2008 certification and EN 9100 approach

A partner committed to aeronautical and aerospace programmes



SELECTARC WELDING

Over 40 years, the manufacturing company belonging to the FSH Welding Group has built up recognised expertise which enables it to be one of the major players in cutting-edge aeronautical and aerospace programmes. The impeccable quality of its offer in terms of special wires, and its process (which is subjected to quality control), enable it to guarantee the aerial safety of the programmes to which it contributes. Our objective is both straightforward and ambitious: to improve ourselves on an ongoing basis in order to ensure the full satisfaction of every one of our customers.

Range



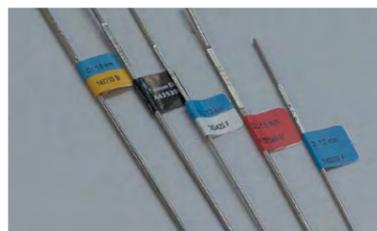
In order to respond to customers' needs in terms of foundry work, assembly and maintenance, SELECTARC WELDING offers a wide choice of nickel, cobalt, titanium, aluminium, and stainless steel alloys, low alloyed steels, lockwires in various types and diameters and tie wires. The cleanliness of the wires is guaranteed using electrochemical and mechanical pickling processes. The products, which are used by the largest manufacturers and sub-contractors in the aeronautical and aerospace sectors, are available in standard packaging (rods, coils weighing 15 kg, 5kg, and 1 kg, among other weights) or in any type of packaging made according to customer specifications. Due to the flexibility of its production, SELECTARC WELDING can adapt to any special requests.

Applications



- Engine housings
- Exhaust casings
- Intermediate casings
- Rectification of faults in foundry parts
- Manufacture of pods
- Boilerworks
- Mechanically welded parts
- Air conditioning
- Lockwires for locking nuts

Personalised identification



In order to reduce the risk of mix-ups in products used in production, and to better identify its alloys and diameters, SELECTARC WELDING offers you the possibility of personalisation.

- **Stamping**
- **Your choice of paint**
- **Flagging:** grade, diameter, standard, batch number
- **Packaging:** availability of a wide range of crystal cases, made under vacuum or controlled atmosphere conditions.

Technical support



Certification

SELECTARC WELDING has obtained numerous authorisations, including special forms of certification from AIRBUS GROUP and the SAFRAN GROUP.

Advice and support

A team of engineers and experienced welders help customers with selecting the materials that are best suited for each application.

Research and Development (R&D)

Our R&D Department carries out product tests (mechanical and non-destructive tests) in accordance with customers' requests.

Quality

ISO 9001 : 2008 certification, with a commitment to an EN 9100 approach.



ALLOY	FSHWG PRODUCTS WIRES	CLASSIFICATION						COMMENTS
		AFNOR	AMS	AWS	W°	DMR	EN / GE	
ALUMINIUM	ALC6	AU6	4191	ER 2319				Welding for various forms of construction - weaponry, the space sector, and the nuclear sector.
	AG4Z2	AG4Z2					34.545	
	ALS7	AS7G06	4246	ER 357			34.562	
	ALS5	AS5	4190	ER 4043				
	ALS12	AS12	4185	ER 4047				
STAINLESS STEELS	17.4 CU	Z5CNU 17 4	5825	ER 630			34	Manufacturing & repair of turbine assemblies.
	20/10 Nb	Z6CNNb 20 10	5680	ER 347	1.4551		34.276	
	20/10 T	Z6CNT 18 10					34	
	M13/0	Z8C 13	5776	ER 410	1.4009		34	
	22/21 CO	Z12CNKDW20	5794				34.237	
	11/3 M	Z12CNDV12						
NICKEL	NIX	NC22FeD	5798	ER NiCrMo2			34	Used for engine repair and maintenance.
	NIW	ND24FeC	5786	ER NiMo3			34	
	NI263	NCK20KTA	5966				34.442	
	NiCr80	NC20	5676		2.4639		34	
	NI625	NC22DNb	5837	ER NiCrMo3	2.4831		34	
	NI718	NC19FeNb	5832	ER NiFeCr2	2.4667		34	
TITANIUM	T40		4951	ER Ti2	3.7035		34	Aeronautical construction.
	TA6V4		4954	ER Ti5	3.7165		34	
COBALT	FICO 188	KCN22W	5801				34	Recharging jet engine and turbine combustion chamber parts.
	FICO 25	KC20WN	5796				34	
	FICO 694	KC28W					34	
	FICO T800	KD28C					34	
	FICO 414	KC29NW						
	FICO 918	KC20NTa						
LOW ALLOY LEVELS	BMS	8CD12					34	EN 4332 / AIR 9117
	SCVS	15CDV6					34	

	CLASSIFICATION	NFL 23-320	WERKSTOFF	DMD-DMR	EN	COMMENTS
LOCKWIRES	NC15Fe	NC15Fe		422-44		Lockwires for maintenance/ repair work.
	Z2CN18.10	Z2 CN 18-10	1.4314.9	200-44		
	Z6CNT18.10	Z6 CNT 18-10			EN 3628 / EN 2573	
TIE WIRES	A5 annealed	99.5				Used mainly for tying parts in pickling baths.
	A5 not annealed	99.5				



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