

Filler metals
for welding



**Swiss
Steel**
Group





Stainless steel and alloy drawn wires for welding

Our strengths

With its two production sites, Bourg-en-Bresse (France) and San Vendemiano (Italy), Ugitech has the resources and technical expertise of a large group that is a leading supplier of stainless steels and alloys for the welding market.

Ugitech's organisation guarantees total process control, from steelmaking to final wire drawing and packaging.

R&D-Innovation

Let's work together to create solutions to meet your needs!

An integrated research centre strives to develop new products such as EXHAUST®F1, EXHAUST®F1 Evo, EXHAUST® Bi Stab and other austenitic, martensitic and duplex stainless steel grades and a wide variety of nickel- and cobalt-based grades, type 625, 686, 617, 825, etc.

They are the result of close collaboration with our customers.

Quality

- Ugitech is ISO 9001/2008, ISO 14001 certified (Bourg-en-Bresse).
- Our products meet VdTÜV Merkblatt Schweißtechnik 1153:2012 and KTA 1408.2 standards.
- Some of our products are CE marked in accordance with the requirements of EN 13479.
- Some grades are also DB (Deutsche Bahn) certified.

Our products

Grades: austenitic, ferritic, martensitic or duplex stainless steels ; nickel-copper or cobalt-based alloys.

Ugitech has a wide range of products to meet everyone’s welding needs.

Dimensions

MIG welding wire

- 5 kg to 27 kg plastic spools diameter from 0.8 mm to 1.6 mm
- 5 kg to 18 kg basket spools diameter from 0.8 mm to 1.6 mm
- 250 kg drums diameter from 0.8 mm to 1.6 mm
- 250 kg to 400 kg reels diameter from 0.8 mm to 1.6 mm

SAW sub arc welding wire

- 25 kg basket rims diameter from 1.6 mm to 4.0 mm
- 250 kg to 400 kg reels diameter from 1.6 mm to 4.0 mm

TIG welding wire

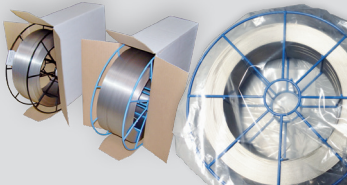
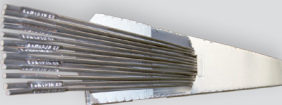
- Cut to lengths of 500 or 1000 mm, stamped diameter from 1.0 mm to 4.0 mm

Electrode core wire

- Cut to length diameter from 1.6 mm to 4.0 mm
- 250 kg to 400 kg reels diameter from 2.0 mm to 4.0 mm



Our packagings

		Bourg-en-Bresse	San Vendemiano (Ugitech TFA)
	MIG welding wire spools Basket or plastic spools in individual cardboard boxes	☐	☐
	Drums for automated MIG welding On wooden pallets	☐	☐
	TIG welding wire Packaged in 1-5 or 10 kg boxes		☐
	SAW welding wire 25 kg rims in individual cardboard boxes	☐	☐
	Electrode core wire Packaged in 500 kg or 1000 kg wooden cases		☐

All of our packagings can be customized, neutral or Ugitech designed.

Our Stainless steel and alloy grades for welding

Grades	Chemical composition								Standards	
	C	Si	Mn	Ni	Cr	Mo	Cu	Other elements	AWS A5.9	ISO 14343-A
Austenitic										
UGIWELD™ 308LT	≤ 0.03	≤ 0.65	1.0 - 2.5	9.0 - 11.0	19.5 - 21.0	≤ 0.5	≤ 0.5		ER308L	19 9 L
UGIWELD™ 308LM	≤ 0.03	0.65 - 1.0	1.0 - 2.5	9.0 - 11.0	19.5 - 21.0	≤ 0.5	≤ 0.5		ER308LSi	19 9 L Si
UGIWELD™ 4370M	≤ 0.20	≤ 1.2	5.0 - 8.0	7.0 - 10.0	17.0 - 20.0	≤ 0.5	≤ 0.5		* (307Si)	18 8 Mn
UGIWELD™ 309L	≤ 0.03	≤ 0.65	1.0 - 2.5	12.0 - 14.0	23.0 - 25.0	≤ 0.5	≤ 0.5		ER309L	23 12 L
UGIWELD™ 309LM	≤ 0.03	0.65 - 1.0	1.0 - 2.5	12.0 - 14.0	23.0 - 25.0	≤ 0.5	≤ 0.5		ER309LSi	23 12 L Si
UGIWELD™ 4829	0.08 - 0.12	0.65 - 1.2	1.0 - 2.5	12.0 - 14.0	22.0 - 24.0	≤ 0.5	≤ 0.5		(ER309Si)	22 12 H
UGIWELD™ 310	0.08 - 0.15	≤ 0.65	1.0 - 2.5	20.0 - 22.0	25.0 - 27.0	≤ 0.5	≤ 0.5		ER310	25 20
UGIWELD™ 316LT	≤ 0.03	≤ 0.65	1.0 - 2.5	11.0 - 14.0	18.0 - 20.0	2.5 - 3.0	≤ 0.5		ER316L	19 12 3 L
UGIWELD™ 316LM	≤ 0.03	0.65 - 1.0	1.0 - 2.5	11.0 - 14.0	18.0 - 20.0	2.5 - 3.0	≤ 0.5		ER316LSi	19 12 3 L Si
UGIWELD™ 318M	≤ 0.08	0.65 - 1.0	1.0 - 2.5	11.0 - 14.0	18.0 - 20.0	2.5 - 3.0	≤ 0.5	Nb: 10xC - 1.0	(ER318)	19 12 3 Nb Si
UGIWELD™ 347	≤ 0.08	≤ 0.65	1.0 - 2.5	9.0 - 11.0	19.0 - 21.0	≤ 0.5	≤ 0.5	Nb: 10xC - 1.0	ER347	19 9 Nb
UGIWELD™ 347M	≤ 0.08	0.65 - 1.0	1.0 - 2.5	9.0 - 11.0	19.0 - 21.0	≤ 0.5	≤ 0.5	Nb: 10xC - 1.0	ER347Si	19 9 Nb Si
UGIWELD™ 4455	≤ 0.03	0.30 - 0.65	5.0 - 9.0	15.0 - 18.0	19.0 - 22.0	2.5 - 3.0	≤ 0.5	N: 0.1 - 0.2	ER316LMn	20 16 3 Mn N L
UGIWELD™ 385	≤ 0.025	≤ 0.5	1.0 - 2.5	24.0 - 26.0	19.5 - 21.5	4.2 - 5.2	1.2 - 2.0		ER385	20 25 5 Cu L
UGIWELD™ B6N	≤ 0.025	≤ 1.0	1.0 - 2.5	24.0 - 26.0	19.5 - 21.5	4.2 - 5.2	1.2 - 2.0	N: 0.1 - 0.2	(ER385)	20 25 5 Cu N L
Ferritic Martensitic										
UGIWELD™ 409Nb	≤ 0.08	≤ 1.0	≤ 0.8	≤ 0.6	10.5 - 13.5	≤ 0.5	≤ 0.75	Nb: 10xC - 0.75	ER409Nb	Z 13 Nb
EXHAUST® F1	≤ 0.02	≤ 0.5	≤ 0.8	≤ 0.5	17.8 - 18.8	≤ 0.5	≤ 0.5	Nb: 0.05 + 7x(C+N) - 0.5	*(430LNb)	18 L Nb
EXHAUST® F1 Evo	≤ 0.03	0.5 - 1.5	≤ 0.8	≤ 0.5	17.8 - 18.8	≤ 0.5	≤ 0.5	Nb: 0.05 + 7x(C+N) - 0.6	*(430LNbSi)	18 L Nb Si
EXHAUST® Bi Stab	≤ 0.03	≤ 1.5	≤ 1.0	≤ 0.5	17.5 - 19.5	≤ 0.5	≤ 0.5	Nb: 8xC - 0.8 / Ti: 10xC - 0.5	*(430LNbTi)	18 L Nb Ti
UGIWELD™ 439	≤ 0.03	≤ 0.8	≤ 0.8	≤ 0.5	17.0 - 18.0	≤ 0.5	≤ 0.5	Ti: 10xC - 1.1	ER439	Z 18 L Ti
UGIWELD™ 439M	≤ 0.03	0.8 - 1.0	≤ 0.8	≤ 0.5	17.0 - 19.0	≤ 0.5	≤ 0.5	Ti: 10xC - 1.1	(ER439)	Z 18 L Ti Si
UGIWELD™ 444	≤ 0.03	0.6 - 1.2	≤ 1.0	≤ 0.5	18.5 - 20.5	1.75 - 2.25	≤ 0.5	Nb: 8xC - 0.5 / Ti: 6xC - 0.5		Z 19 L Mo Nb Si Ti
UGIWELD™ 410L	≤ 0.05	≤ 0.5	≤ 0.6	≤ 0.5	12.0 - 13.5	≤ 0.5	≤ 0.5		ER410	13 L
UGIWELD™ 410NiMo	≤ 0.05	≤ 0.5	≤ 0.6	4.0 - 5.0	11.0 - 12.5	0.4 - 0.7	≤ 0.5		ER410NiMo	13 4
Duplex										
UGIWELD™ 25.9.4	≤ 0.03	≤ 1	≤ 2.5	8.0 - 10.5	24.0 - 27.0	2.5 - 4.5	≤ 1.5	N: 0.2 - 0.3 / W ≤ 1	ER2594	Z 25 9 4 N L
UGIWELD™ 312	≤ 0.15	0.30 - 0.65	1.0 - 2.5	8.0 - 10.5	28.0 - 32.0	≤ 0.75	≤ 0.75		ER312	29 9
UGIWELD™ 45N	≤ 0.03	≤ 0.9	0.5 - 2.0	7.5 - 9.5	21.5 - 23.5	2.5 - 3.5	≤ 0.5	N: 0.1 - 0.2	ER2209	22 9 3 N L
UGIWELD™ 52N	≤ 0.03	≤ 1.0	≤ 1.5	4.5 - 6.5	24.0 - 27.0	2.9 - 3.9	1.5 - 2.5	N: 0.1 - 0.25	ER2553	Z 25 5 3 Cu N L

* Usual designation not referenced in the AWS A5.9 standard



Grades	Chemical composition									Standards		
	C	Si	Mn	Ni	Cr	Mo	Cu	Fe	Other elements	AWS A5.14	ISO 18274	WNr.
Nickel-based and cobalt-based												
UGIALLOY® 22	≤ 0.01	≤ 0.08	≤ 0.5	≥ 49.0	21.0 - 22.5	12.5 - 14.5	≤ 0.5	2.0 - 5.0	W: 2.5 - 3.5 / Co ≤ 2.5 / V ≤ 0.3	ERNiCrMo-10	Ni 6022	2.4635
UGIALLOY® 55	≤ 0.05	≤ 0.3	≤ 1.0	54.0 - 56.0			≤ 0.5	Bal.		* ERNiFeCr		2.4472 & 2.4560
UGIALLOY® 59	≤ 0.01	≤ 0.1	≤ 0.5	≥ 56.0	22.0 - 24.0	15.0 - 16.5	≤ 0.5	≤ 1.0	Ti ≤ 0.5 / Al: 0.1 - 0.4 / V ≤ 0.3	ERNiCrMo-13	Ni 6059	2.4607
UGIALLOY® 61	≤ 0.05	≤ 0.7	≤ 0.7	≥ 94.0			≤ 0.25	≤ 1.0	Ti: 2.5 - 3.5 / Al ≤ 0.1	ERNi-1	Ni 2061	2.4155
UGIALLOY® 82	≤ 0.05	≤ 0.1	2.5 - 3.5	≥ 67.0	18.0 - 22.0		≤ 0.5	≤ 3.0	(Nb+Ta): 2.0 - 3.0 / Ti ≤ 0.7	ERNiCr-3	Ni 6082	2.4806
UGIALLOY® 182	≤ 0.02	≤ 0.5	2.5 - 3.5	≥ 61.0	15.0 - 18.0		≤ 0.3	5.0 - 6.0	(Nb+Ta): 1.5 - 2.5 / Ti ≤ 0.5	** ENiCrFe-3		2.4620
UGIALLOY® 200	≤ 0.10	≤ 0.25	≤ 0.35	≥ 99.2			≤ 0.25					2.4066
UGIALLOY® 276	≤ 0.02	≤ 0.08	≤ 1.0	≥ 50.0	15.0 - 16.5	15.0 - 17.0	≤ 0.5	4.0 - 7.0	W: 3.2 - 4.2 / Co ≤ 1.0 / V ≤ 0.35	ERNiCrMo-4	Ni 6276	2.4886
UGIALLOY® 413	≤ 0.05	≤ 0.2	≤ 1.0	29.0 - 32.0			Bal.	0.4 - 0.75	Ti: 0.2 - 0.5 / Pb ≤ 0.01	*** ERCuNi		2.0837
UGIALLOY® 418	≤ 0.10	≤ 0.5	3.0 - 4.0	64.0 - 67.0			28.0 - 32.0	≤ 0.6	Ti: 1.6 - 2.5 / Al ≤ 0.5	ERNiCu-7	Ni 4060	2.4377
UGIALLOY® 617	≤ 0.01	≤ 0.5	≤ 0.5	≥ 44.0	21.0 - 24.0	8.5 - 9.5	≤ 0.5	≤ 1.0	Co: 11.0 - 13.0 / Al: 1.0 - 1.5 / Ti ≤ 0.6	ERNiCrCoMo-1	Ni 6617	2.4627
UGIALLOY® 625	≤ 0.03	≤ 0.5	≤ 1.0	≥ 60.0	21.0 - 23.0	8.5 - 9.5	≤ 0.5	≤ 1.0	(Nb+Ta): 3.2 - 4.0	ERNiCrMo-3	Ni 6625	2.4831
UGIALLOY® 686	≤ 0.01	≤ 0.1	≤ 0.1	≥ 49.0	19.0 - 23.0	15.0 - 17.0	≤ 0.5	≤ 2.0	W: 3.0 - 4.4 / Al ≤ 0.5 / Ti ≤ 0.25	ERNiCrMo-14	Ni 6686	2.4606
UGIALLOY® 718	≤ 0.08	≤ 0.03	≤ 0.03	50.0 - 55.0	17.0 - 21.0	2.8 - 3.3	≤ 0.3	≤ 24.0	(Nb+Ta): 4.8 - 5.5 / Ti: 0.7 - 1.1 / Al: 0.2 - 0.8	ERNiFeCr-2	Ni 7718	2.4667
UGIALLOY® 825	≤ 0.01	≤ 0.5	≤ 1.0	38.0 - 46.0	19.5 - 23.5	2.5 - 3.5	1.5 / 3.0	≥ 22.0	Ti: 0.6 - 1.2 / Al ≤ 0.2	ERNiFeCr-1	Ni 8065	2.4858
UGIALLOY® NCW	≤ 0.01	≤ 0.5	≤ 1.0	≥ 58.0	21.5 - 22.5	9.5 - 10.5	≤ 0.3	≤ 1.0	W: 2.5 - 3.5 / Al ≤ 0.4 / Ti ≤ 0.4	ERNiCrMo-20	Ni 6660	

Grade referenced in the standard:

* AWS A5.15

** AWS A5.11

*** AWS A5.7

For any other requirements, please contact us.



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