

UGIFIL®
Wire for trellising



**Swiss
Steel**
Group

A wire that lasts, does not slacken, virtually eliminates maintenance.

The stainless steel trellis wire in the mass

UGIFIL®

	UGIFIL®	Galvanized wire
Breaking loads	More than 135 kg/mm ²	Approximately 45 kg/mm ²
Lengthening	Less than 3% of the total	Approximately 13% of the total

Equivalence of useful diameters

UGIFIL®

	UGIFIL®	Galvanized wire
Ø 1.20 mm		Gauge 14 (Ø 2.2 mm)
Ø 1.40 mm		Gauge 15 (Ø 2.4 mm)
Ø 1.60 mm		Gauge 16 (Ø 2.7 mm)
Ø 2.00 mm		Gauge 17 (Ø 3.0 mm)
		Gauge 18 (Ø 3.4 mm)
		Gauge 19 (Ø 3.9 mm)

UGIFIL® packaging

UGIFIL®

UGIFIL®	Length of the coils (m)	Weight (kg)
Ø 1.20 mm	1500	13.35
Ø 1.40 mm	1100	13.30
Ø 1.60 mm	800	12.65
Ø 2.00 mm	600	14.85



UGIFIL®/Galvanized wire comparisons

UGIFIL®

UGIFIL®	Diameter (mm)	Coil length (m)	Length (m/kg)	Total load (kg)	Gauge	Length (m/kg)	Total load (kg)
	1.20	1500	112	170	13	30	120/140
	1.40	1100	83	210	14	28	150/170
	1.60	800	63	230	15	22	180/200
	2.00	600	40	270	16	18	230/257
	2.50	650	26	300	17	14	280/320
	3.00	630	18	420	18	11	360/400
				470	19		475/540
				712	20	8.4	610/690
				1024	22	5.6	916/1030

Packaging of other UGIFIL® trellis wires

UGIFIL®

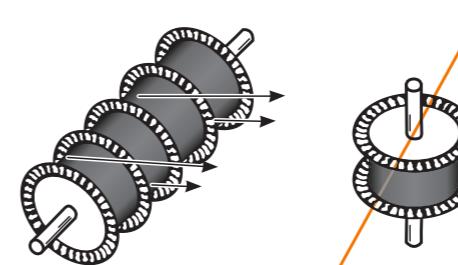
UGIFIL®	Diameter (mm)	Weight (kg)	Length (m)
Mooring wires	3 (annealed)	25	450
Arboriculture	2,5	25	650
Arboriculture	3	35	630
Agrifil (coils)	1.2 (annealed)	4,5	500

Some tips for installing UGIFIL® stainless steel wire.

Laying the wires

Unwinding the coils: this can be done without special equipment. The coil is simply slid onto a shaft of a size close to the central hole, but it will be slightly slowed down to avoid the windings from running away.

Several coils can be unwound at the same time (2, 3, 4 or 5 coils). The braking can be done very simply by joining the coils together; in this case, provide for an alternating upward and downward unwinding. In this way, each coil turns in the opposite direction.

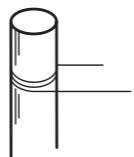


Mooring on stakes

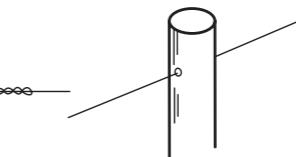
Wrap the wire around the stake 2 or 3 times, leaving an extra 50 to 60 mm. Twist the extra length several times around the taut wire (4 to 5 times), then twist back to the post 4 to 5 times.

Caution: do not make twists with contiguous turns, but on the contrary very wide.

Bristle of 50 to 60 cm



Prevailing winds



Shaving

When two wires need to be joined, make a loop at one end, taking care to twist in the same way as for the head stake. Pass the other wire through the loop and twist in the same way.

In the case of an inadvertently cut wire, it will certainly be necessary to add an extra length. Then, complete the retensioning of the wire with a tensioner.

The trellising of the vineyard... choosing the right material

Corrosion resistance table	Alu	Stainless steel with chrome	UGIFIL®
pure acetic acid			
review			
formic			
oxalic			
phosphoric			
picric			
tartaric			
chloride			
hydrofluoric			
nitric			
sulphuric <10			
sulphurous			
ammonium			
of copper			
iron			
of magnesium			
of sodium			
of zinc			
Pure water			
Salt water			
Sodium chloride			
Milk			
Sodium hypochlorite			
Trichloroethylene			
Alcohols			
Wines			
Excellent			
Good			
Poor			
Bad			

Only hydrochloric acid and hydrofluoric acid are not used in the composition of products used in vineyards, as they are harmful to UGIFIL®.

Trellising with a wire under the name stainless steel is not necessarily a guarantee of longevity and lack of maintenance. Only the quality UGIFIL® through a manufacturing process strictly determined and consistent ensures the safety of use.



Swiss Steel Group

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The information and data presented here in are typical or average values and are not a guarantee of maximum or minimum values. Only the information reported on our material certificates is to be considered as relevant.

Applications specifically suggested for material described herein are made for the purpose of illustration only to enable the reader to make its own evaluation and are not intended as warranties, either express or implied, of fitness for any purposes.