

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®	Galvanized wire
Breaking loads	More than 135 kg/mm²	Approximately 45 kg/mm²
Lengthening	Less than 3% of the total	Approximately 13% of the total

Equivalence of useful diameters

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)
	Gauge 17 (Ø 3.0 mm)
Ø 2.00 mm	Gauge 18 (Ø 3.4 mm)
	Gauge 19 (Ø 3.9 mm)

UGIFIL® packaging

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

Packaging of other UGIFIL® trellis wires

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

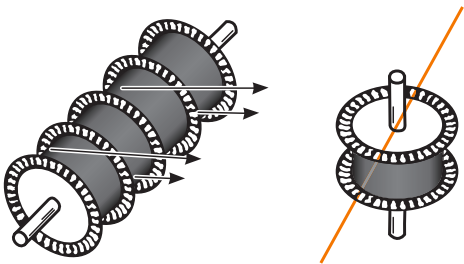


Some tips for installing UGIFIL® stainless steel wire.

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.

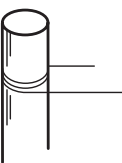


Mooring on stakes

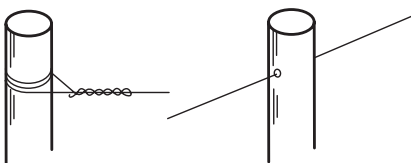
Wrap the wire around the stake 2 or 3 times, leaving an extra 50 to 60 mm. Twist the extra length several times around the taut wire (4 to 5 times), then twist back to the post 4 to 5 times.

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 re-tensioning of the wire with a tensioner.

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

Corrosion resistance table		Alu	Stainless steel with chrome	UGIFIL®
Acids	pure acetic acid			
	review			
	formic			
	oxalic			
	phosphoric			
	picric			
	tartaric			
	chloride			
	hydrofluoric			
	nitric			
Sulphates	sulphuric <10			
	sulphurous			
	ammonium			
	of copper			
	iron			
	of magnesium			
	of sodium			
	of zinc			
	Pure water			
	Salt water			
Wines	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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