

ITALIASCREEN® TF 51



Sunshade protection

TF 51 Shell

TF 51 Quadro

Galvanized stainless and painted covers



Galvanized stainless and painted covers



Extruded aluminum guide rails particularity



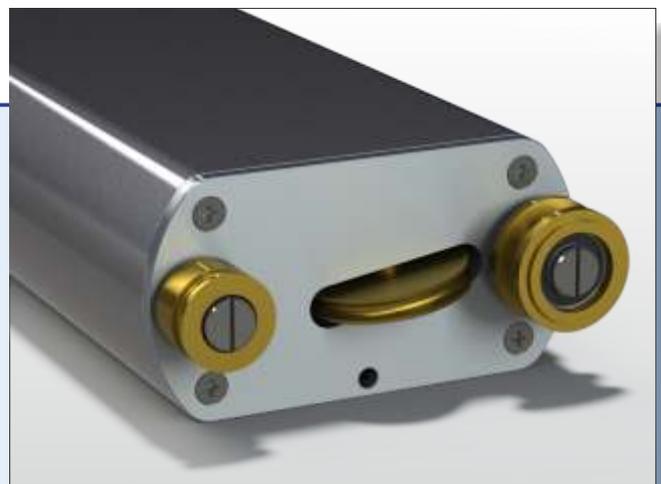
Roller support



Extruded aluminum fixing bracket



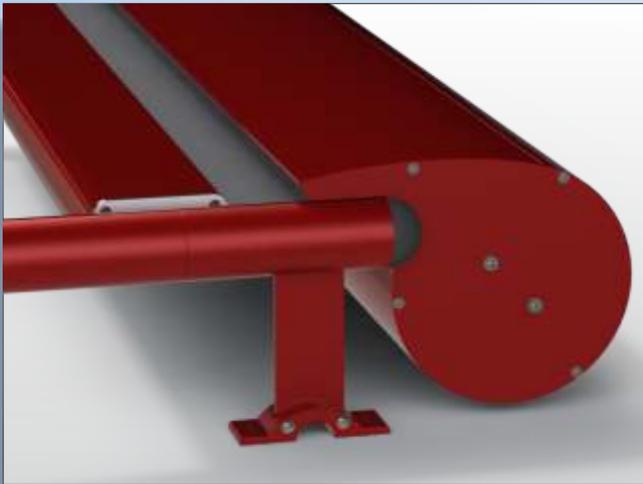
Terminal with back-pull force system



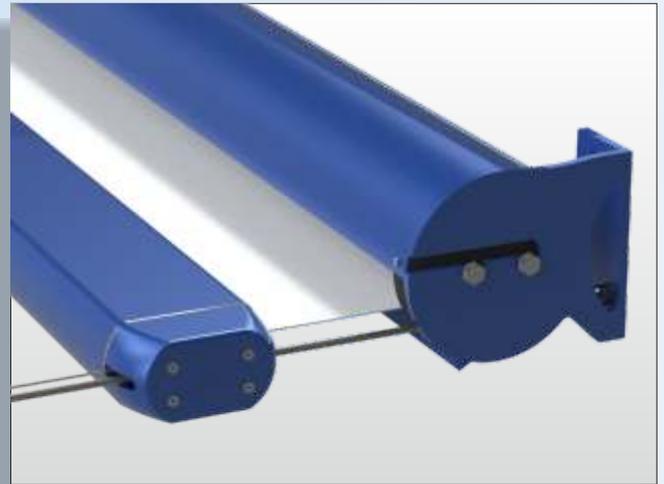
TF 51 Jumbo

TF 51 GT

Galvanized stainless and painted covers



Galvanized stainless and painted covers



Product's view

System Prerogatives

Suitable for every type of mounting and application including horizontal or inclined surfaces.

Elastic back-pull system integrated in the terminal of the blind.

System complies with the rules and in particular to the UNI EN 13561.

All aluminum parts are thermo-lacquered in RAL colors suitable for outdoor applications.

Comfort and Design

Extremely robust blind with long service life.

Easy accessibility for the components maintenance
Constant and continuous drive system of the fabric reducing folds of the rolling-up.

Release system of the terminal, which houses the elastic element of traction that makes maintenance easier.

Warranty on maintenance and spare parts.

Possibility of washing on the site for multiple tissue types.

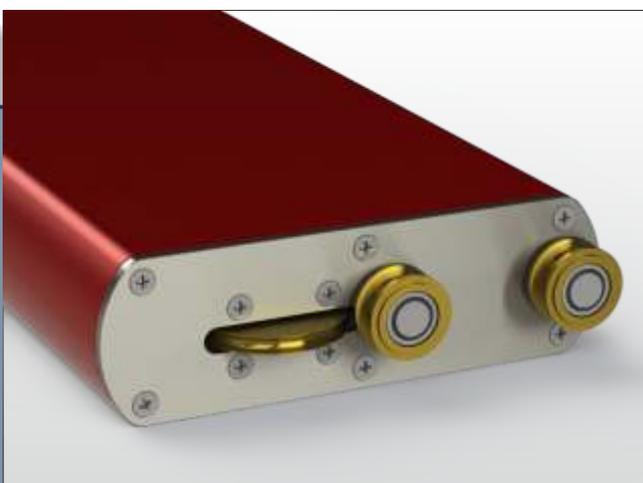
Versatility and simplicity

Internal visual protection to ensure the maximum of privacy for users.

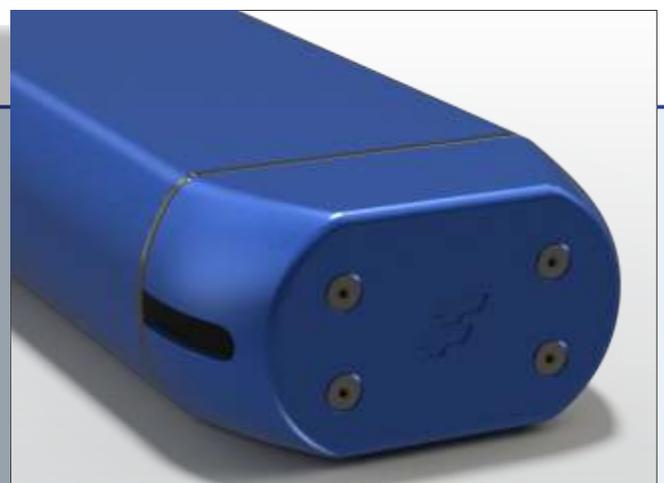
Simple and particle using without risks for users, all TF51 motorized models are associated with a protection in case of wind, so absolutely safe.

Possibility to bind the blinds with automatic devices making the blinds use independent and comfortable.

Terminal with double back-pull group



Cover for terminal's wheels with cable guiding



Technical sheet

Box and guide rails

Box of warping roll fabric protection made of various shapes and sizes in extruded aluminum, anodized or thermo-lacquered polyester. The box is made in a way to guarantee protection also for the fabric terminal when the blind is fully raised, except in the GT model and partially in the Jumbo model. With the use of the double terminal, it remains mainly on sight.

Blinds fasteners made with extruded aluminum brackets alloy 6060 T5 adequately profiled and elaborated.

Circular extruded aluminum blind guide rails alloy 6060 T5 with approximately diameter of 51mm, with seats for the sliding of the terminal and the wire of the traction of the blind. The guide rails are available for both single and coupled blinds.

Availability of guidance in stainless steel cable normally Ø5 mm. fixed in the extremity of the blind for the GT model.

Roller and terminal

Galvanized stainless or anodized aluminum fabric winding roller with opportune seats for the fastening of the fabric.

Terminal in extruded aluminum alloy 6060 T5 anodized or painted to match the fabric and equipped with trolleys for sliding inside guide rails or on the suspension cables.

Fixing bar in extruded anodized aluminum alloy 6060 T5, hooked to the terminal for easy maintenance of the elastic element, of the motor or of the blind fabric.

Fabric availability

- Filtering Fabric Modelscreen 525 ,composition 42% glass fiber 58% PVC, weight 525 gr/m², self-extinguishing in class 1 and suitable for the direct sun rays.

- Filtering Fabric Modelscreen 540, composition 27% polyester 73% PVC, weight 540 gr/m², self-extinguishing in class 1 and suitable for the direct sunrays.

- Micro-aerated fabric Soltis 92 compounded of PVC- coated matrix of polyester, weight 420 gr/m², self-extinguishing in class 1 and suitable for the direct sunrays.

- Shaded fabric Modeltest, composition 100% acrylic, weight 300 gr/m², waterproof and area permeable, self-extinguishing suitable for the direct sunrays.

Drive

Drive through an electric actuated tube operated in single-phase 120V/60Hz equipped with end internal end limits inside the engine. The electric motor is equipped with an electric wire, maximum length 2 m. also available with RTS technology.

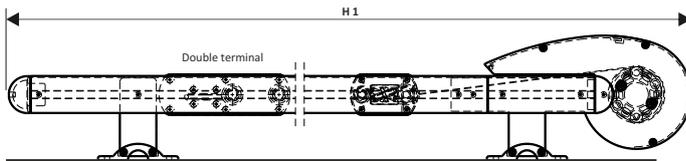
Traction system of the fabric and back-pull of the terminal able to develop a constant tension from the beginning to the end of the engine end limit. The elastic device is constructed so that, even in case of breakage, it remains inside the terminal and not risk the people's safety.

Possibility to centralize the motorized commands inserting solarimeters and anemometers making the blind operation completely autonomous.

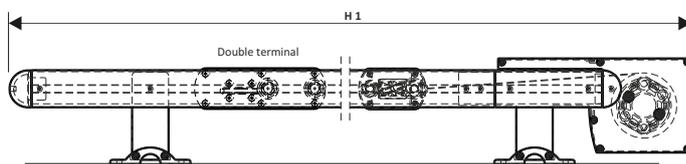
Legend: H1 = Total height

L1 = Internal brackets / wheelbase cables

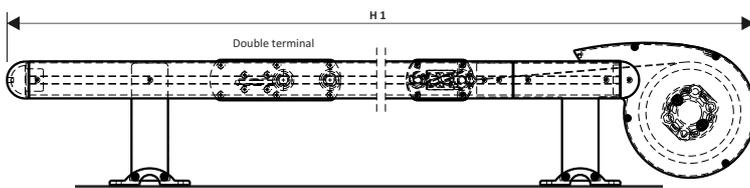
Shell



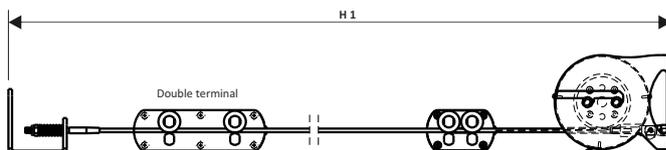
Quadro



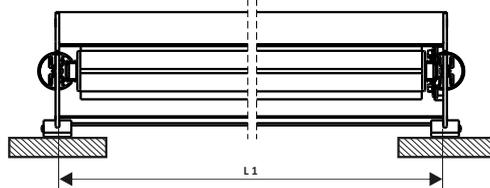
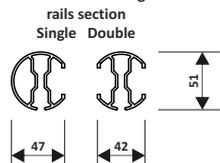
Jumbo



GT



Extruded aluminium guide rails section



	With traction		Without traction
	Vertical	Horizontal/Inclined	Vertical /Inclined

L1 max.	3500 mm.	3000 mm.	3500 mm.
L1 min.	1000 mm.*	1000 mm.*	800 mm.
H1 max.	7000 mm.	6000 mm. (roller support)	4000 mm.
Sup. Max.	12 m ²	9 m ²	8 m ²
Sup. Max.	15 m ²	12 m ² (roller support)	12 m ²

	With traction		Without traction
	Vertical	Horizontal/Inclined	Vertical /Inclined

L1 max.	3500 mm.	3000 mm.	3500 mm.
L1 min.	1000 mm.*	1000 mm.*	800 mm.
H1 max.	7000 mm.	6000 mm. (roller support)	4000 mm.
Sup. Max.	12 m ²	9 m ²	8 m ²
Sup. Max.	15 m ²	12 m ² (roller support)	12 m ²

	With traction		Without traction
	Vertical	Horizontal/Inclined	Vertical /Inclined

L1 max.	6000 mm.	6000 mm.	7200 mm.
L1 min.	1000 mm.*	1000 mm.*	1000 mm.
H1 max.	7200 mm.**	7200 mm.** (roller support)	9000 mm.***
Sup. Max.	15 m ²	12 m ² (roller support)	12 m ²

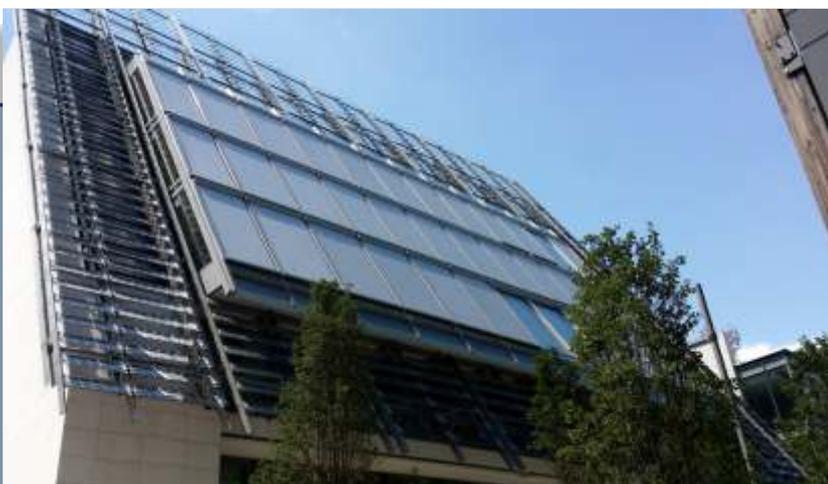
	With traction
	Horizontal

L1 max.	2500 mm.
L1 min.	1000 mm.*
H1 max.	5000 mm.
Sup. Max.	12,5 m ²

(*) L1 minimum variable in function of H1 see graphic in planning manual.

(**) The wheelbase of the roller support max 2000 mm.

(***) To provide an intermediate roller support beyond 5000 mm. N.B.: For TF 51 for vertical application from 90° at 45° max.



Sunshade protection Italiascreen TF 51

The family of sunscreens Italiascreen TF51 was created to deal and solve problems of sun protection, landscaping and respect of privacy, for most of the facades, roofings and buildings where you want to have the combined effect of maximum transparency (in wrapped blind) and of an effective sunscreen.

The elegant design of the blind and components, high quality materials and advanced technological solutions adopted, make blinds TF51 suitable for the most various and extreme situations.

The variants of realization of the Italiascreen TF51 provide for the application of sunscreens vertically, horizontally, vertically inverted (with the terminal that rises from the bottom upwards), with guides in aluminum or in cable, with or without intermediate supports. By virtue of the wide range of technical solutions it is therefore possible to respond to the diverse demands of the designer.

The technical solutions used in the construction of Italiascreen TF51 allow you to have a regular and safe operation of the blinds in any condition. All parts under stress are not accessible by the user (*) and therefore there is no risk of injury. Even in the case of obstruction to the normal blind sliding on the guides or breaking of the back-pull system, there is no risk of the safety of persons or of blind damaging.

(*) With the exception of Italiascreen TF51 GT.

Description of the specification

Italiascreen TF 51 Shell

Façade blind with back-pull system/ traction force applied on surfaces of different inclinations, with movements from the top down or as variant from the bottom upwards. Extruded aluminum box from 283x156 mm. oval elongated section complete with stainless steel side covers. Extruded aluminum guide rails of 47x51 mm. and double 42x51 mm. as variant for coupled blinds. Fixing brackets to the extruded aluminum structure inserted in the guide rails. Winding roller in extruded aluminum with anti-torsion ribs of different diameter according to the size of the blind, with groove for the fabric insertion. Intermediate rollers support in extruded aluminum, where required. Terminal in extruded aluminum with a seat for the housing of the fixing bar of the fabric that allows the unfastening of the tissue for the maintenance, 91x56 mm. section for the standard size or 179x56 mm. for special sizes. The terminal profile contains the constant back-pull elastic system of the fabric (except vertical blinds) and is provided with side covers with wheels for the guide rails sliding. All aluminum parts are thermo-lacquered of choice from the RAL range.

Drive motor 120V/60Hz with degree of protection IP 44 complete with limit switches and power cable quadripole 4x0,75 2 m. length, push button excluded. Electrical connections to be borne by the customer. Drive available with RTS technology. Fabric choice from our collection Model System Italy. The blind **Italiascreen TF 51 Shell** is supplied assembled and ready for installation.

Italiascreen TF 51 Quadro

Façade blind with back-pull system/ traction force applied on surfaces of different inclinations, with movements from the top down or as variant from the bottom upwards. Extruded aluminum box from 256x130 mm. in rectangle section complete with stainless steel side covers. Extruded aluminum guide rails of 47x51 mm. and double 42x51 mm. as variant for coupled blinds. Fixing brackets to the extruded aluminum structure inserted in the guide rails. Winding roller in extruded aluminum with anti-torsion ribs of different diameters according to the size of the blind, with groove for the fabric insertion. Intermediate rollers support in extruded aluminum, where required. Terminal in extruded aluminum with a seat for the housing of the fixing bar of the fabric that allows the unfastening of the tissue for the maintenance, 91x56 mm. section for the standard size or 179x56 mm. for special sizes. The terminal profile contains the constant back-pull elastic system of the fabric (except vertical blinds) and is provided with side covers with wheels for the guide rails sliding. All aluminum parts are thermo-lacquered of choice from the RAL range.

Drive motor 120V/60Hz with degree of protection IP 44 complete with limit switches and power cable quadripole 4x0,75 2 m. length, push button excluded. Electrical connections to be borne by the customer. Drive available with RTS technology. Fabric choice from our collection Model System Italy. The blind **Italiascreen TF 51 Quadro** is supplied assembled and ready for installation.

Italiascreen TF 51 Jumbo

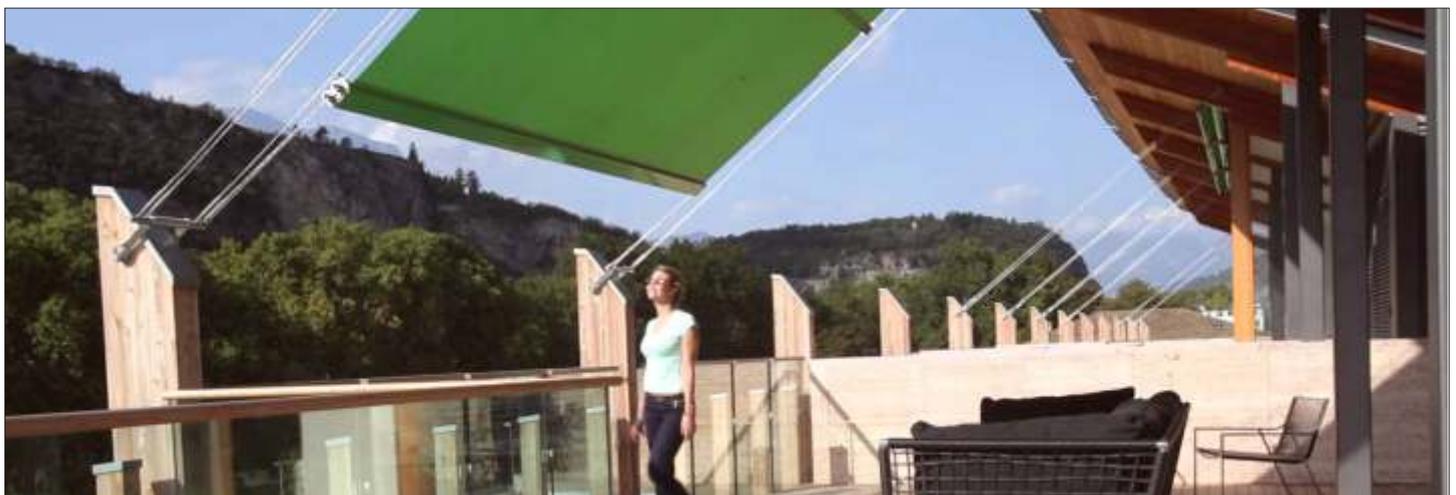
Façade blind with back-pull system/ traction force applied on surfaces of different inclinations, with movements from the top down or as variant from the bottom upwards. Extruded aluminum box from 283x156 mm. oval elongated section complete with stainless steel side covers. Extruded aluminum guide rails of 47x51 mm. and double 42x51 mm. as variant for coupled blinds. Fixing brackets to the extruded aluminum structure inserted in the guide rails. Winding roller in extruded aluminum with anti-torsion ribs of different diameter according to the size of the blind, with groove for the fabric insertion. Intermediate rollers support in extruded aluminum, where required. Terminal in extruded aluminum with a seat for the housing of the fixing bar of the fabric that allows the unfastening of the tissue for the maintenance, 91x56 mm. section for the standard size or 179x56 mm. for special sizes. The terminal profile contains the constant back-pull elastic system of the fabric (except vertical blinds) and is provided with side covers with wheels for the guide rails sliding. All aluminum parts are thermo-lacquered of choice from the RAL range.

Drive motor 120V/60Hz with degree of protection IP 44 complete with limit switches and power cable quadripole 4x0,75 2 m. length, push button excluded. Electrical connections to be borne by the customer. Drive available with RTS technology. Fabric choice from our collection Model System Italy. The blind **Italiascreen TF 51 Jumbo** is supplied assembled and ready for installation.

Italiascreen TF 51 GT

Façade blind with back-pull system/ traction force applied on surfaces of different inclinations, with movements from the top down or as variant from the bottom upwards. Extruded aluminium box from Ø130 mm. of circular section, complete with stainless steel side covers. Stainless steel cable guides Aisi 316 from 5 to 8mm various diameter, it depends of the blind dimensions. Stainless steel Brackets for blind and cable guides fixing on the structure. Winding roller in galvanized steel with anti-torsion ribs, Ø78 mm. with groove for the fabric insertion. Terminal in extruded aluminum with a seat for the housing of the fixing bar of the fabric that allows the unfastening of the tissue for the maintenance, 91x56 mm. section for the standard size or 179x56 mm. for special sizes. The terminal profile contains the constant back-pull elastic system of the fabric (except vertical blinds) and is provided with side covers with wheels for the guide rails sliding. All aluminum parts are thermo-lacquered of choice from the RAL range.

Drive motor 120V/60Hz with degree of protection IP 44 complete with limit switches and power cable quadripole 4x0,75 2 m. length, push button excluded. Electrical connections to be borne by the customer. Drive available with RTS technology. Fabric choice from our collection Model System Italy. The blind **Italiascreen TF 51 GT** is supplied assembled and ready for installation.



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