

Frangisole

Sistemi a filo / catena

Cord / Chain - External Venetian Blinds

Catalogo 2026

seraplastic

Catalogo Frangisole

*External Venetian Blinds
product catalogue*

Seraplastic | Citea

Via della Molinara, 49/C
24064 Grumello del Monte, BG
+39 035 830408
info@seraplastic.it

Via Druento, 286
10078 Venaria Reale, TO
+39 011 4246877
info@citea.it



@seraplastic



www.seraplastic.it

seraplastic



Da più di 60 anni, il comfort è di casa

*For over 60 years, comfort has
been living here*

Da oltre sessant'anni Seraplastic progetta e produce sistemi oscuranti e filtranti per il vano finestra: schermature al servizio del comfort abitativo e dell'efficienza energetica degli edifici.

Il patrimonio tecnico dell'azienda è cresciuto nel confronto quotidiano con serramentisti e progettisti, insieme all'evoluzione dei materiali e dei processi produttivi. Da questo lavoro derivano le scelte che ritrovate nelle soluzioni Seraplastic: materiali selezionati per resistere all'esposizione continua ad agenti atmosferici e radiazione solare, lavorazioni controllate in ogni fase, configurazioni personalizzabili nelle dimensioni e nelle finiture perché sia il sistema ad adattarsi al progetto.

Da questa cultura tecnica nasce la gamma di frangisole Seraplastic: un sistema configurabile per ogni facciata e per il comfort degli ambienti interni.

For over sixty years, Seraplastic has been designing and manufacturing shading and filtering systems for windows: solutions that enhance living comfort and improve the energy efficiency of buildings.

The company's technical expertise has grown through daily collaboration with window manufacturers and designers, alongside advancements in materials and production processes. This work informs the choices you'll find in Seraplastic's solutions: materials selected to withstand continuous exposure to the elements and solar radiation, manufacturing processes monitored at every stage, and configurations that can be customized in terms of dimensions and finishes so that the system adapts to the project.

This technical expertise has given rise to the Seraplastic range of sunshades: a configurable system designed for any facade and to ensure indoor comfort.

Your *comfort*. Our work.

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I frangisole Seraplastic

Seraplastic External Venetian Blinds

BOLD
RAL 8017



Dall'esperienza di oltre sessant'anni di attività nascono i frangisole Seraplastic: sistemi a lamelle orientabili in alluminio che permettono di regolare luce e ventilazione degli ambienti. Personalizzabili nella forma e nelle finiture, contribuiscono all'efficientamento energetico dell'edificio, proteggono dalle intemperie e valorizzano l'involucro esterno del progetto con il loro design minimale.

Over sixty years of experience have given rise to Seraplastic External Venetian Blinds (EVBs): aluminium systems with adjustable slats that regulate the light and ventilation of interior spaces. Customizable in shape and finish, they contribute to the building's energy efficiency, provide protection from the elements and enhance the project's external envelope with their minimal design.

Un'ampia gamma per ogni progetto

I frangisole Seraplastic sono concepiti come elementi integrati del progetto finestra, con una gamma di personalizzazioni che risponde insieme all'effetto estetico ricercato e alle necessità tecniche del sistema. La continua ricerca ha portato allo sviluppo di geometrie differenti del profilo, tra cui scegliere in base alle esigenze del progetto. Il frangisole si configura in ogni elemento: sistema a filo o a catena, forma delle lame, tipologia di movimentazione, colori e finiture.

A wide product range for every project

Seraplastic EVBs are conceived as integrated components of the window design, with a range of customization options that addresses both the desired aesthetic and the technical requirements of the system. Ongoing research has led to the development of different profile geometries, to be selected according to the needs of the project. EVBs can be configured element by element: Cord or Chain EVB, slat shape, manual or motorized operation, colours and finishes.



Hook Frangisole a filo, integrato nella geometria della lama.
Hook on the Cord EVB, integrated into the blade's design.



Dettaglio guida estrusa delle Frangisole a filo.

EVB with extruded guides, detail.



Colori e finiture

Seraplastic offre una vasta gamma di colori e finiture, studiate per adattarsi anche ai contesti più diversi: i colori Standard, disponibili di serie in una selezione di tonalità moderne ed eleganti; i colori Plus, dalle cromie più ricercate; i tre colori Touch: Beige, Marrone e Nero, con una finitura materica e una brillantezza unica. Per i progetti che richiedono una corrispondenza cromatica precisa è possibile richiedere qualsiasi colore fuori gamma. Guide e terminale sono sempre forniti nella stessa finitura della lamella, per garantire continuità visiva al sistema. Il rivestimento delle lame, antigraffio e resistente ai depositi di calcare, mantiene la finitura inalterata nel tempo e riduce le esigenze di pulizia.

Colours and finishes

Seraplastic offers an extensive range of colours and finishes, designed to suit even the most varied settings: the Standard colours, available from stock in a selection of contemporary, elegant shades; the Plus colours, with more sophisticated hues; and the three Touch colours — Beige, Brown and Black — with a textured finish and a distinctive sheen.

For projects requiring an exact colour match, any colour outside the range is available on request. Side guides and bottom rail are always supplied in the same finish as the slats, ensuring visual continuity across the system. The slat coating resists scratching and limescale deposits, keeping the finish unchanged over time and reducing cleaning requirements.

LIGHT

Nero Micaceo TOUCH



I sistemi a filo e a catena

Sono le priorità del progetto a orientare la scelta tra i due sistemi Seraplastic: la flessibilità di configurazione del filo e la solidità della catena. Il sistema a filo offre un'ampia scelta di forme e dimensioni delle lame e copre vani di grande larghezza senza dover affiancare due frangisole. Il sistema a catena è una struttura autoportante, con sollevamento e inclinazione integrati nelle guide laterali: ne derivano una resistenza superiore, una resa estetica pulita e un oscuramento più efficace a lamelle chiuse. La sicurezza è affidata a dispositivi dedicati, dallo sgancio di emergenza delle lame al meccanismo anticaduta.

Cord and Chain External Venetian Blinds

Project priorities determine the choice between the two Seraplastic families: the configuration flexibility of Cord External Venetian Blinds (Cord EVBs) and the robustness of Chain External Venetian Blinds (Chain EVBs). Cord EVBs offer a wide choice of slat shapes and sizes and cover wide openings without the need to install two units side by side. Chain EVBs are a self-supporting structure, with lifting and tilting integrated into the side guides: this results in greater strength, a cleaner appearance and higher darkening performance when the slats are closed. Safety is entrusted to dedicated devices, from the emergency slat release to the anti-drop mechanism.



In ordine, dall'alto: 90-Z, 90-S, 80-C, 70-Z, 65-C, Bold, Light, Esse

From the top: 90-Z, 90-S, 80-C, 70-Z, 65-C, Bold, Light, Esse

I frangisole Seraplastic / *Seraplastic External Venetian Blinds*

Frangisole a filo

I frangisole a filo Seraplastic sono disponibili in cinque modelli 90-Z, 70-Z, 90-S, 80-C e 65-C, con guide in alluminio estruso o a cavo e movimentazione manuale ad argano o motorizzata. È il sistema più versatile della gamma: combinando profili, guide e comandi si risponde ai vincoli di luce, di fissaggio e di resa estetica di ogni progetto. La lama, nelle forme a Z, a S e a C, mantiene su tutti i modelli uno spessore di 0,48 mm, con l'hook di orientamento integrato nella geometria del profilo e il piolo di scorrimento in zama. Texband, terilene, terminale e tappi laterali sono forniti in tinta coordinata. Completano il sistema il kit guide autoportanti, per l'installazione su solette non portanti, e il trattamento Seaside contro la corrosione da salsedine.

Cord External Venetian Blinds

Cord EVBs are available in five models — 90-Z, 70-Z, 90-S, 80-C and 65-C — with extruded aluminium or cable guides, and manual winch or motorized operation. It is the most versatile family in the range: combining profiles, guides and controls makes it possible to meet the light control, fixing and aesthetic requirements of any project. The slat, available in Z, S and C shapes, has a thickness of 0.48 mm across all models, with the orientation hook integrated into the profile geometry and a Zamak sliding pin. Texband, terylene, bottom rail and side caps are supplied in matching colours. The system is completed by the self-supporting guide kit, for installation on non-loadbearing slabs, and by the Seaside treatment against salt corrosion.



Frangisole a catena

Il frangisole a catena racchiude sollevamento e orientamento delle lame all'interno delle guide laterali: il fronte resta completamente libero da elementi secondari e l'oscuramento del vano finestra, a sistema chiuso, è quasi totale. La linea comprende tre modelli: Bold ed Esse, con lame in alluminio estruso da 1,30 mm, e Light, con lame in alluminio profilato da 0,75 mm. La movimentazione, motorizzata di serie, è rapida e sicura, con un dispositivo che blocca il sollevamento in presenza di ostacoli.

È il sistema più robusto della gamma, con resistenza al vento fino alla classe 6++. Per gli ambienti marittimi soggetti alla salsedine è disponibile una versione dedicata, con gli organi di movimentazione in acciaio inossidabile.

Chain External Venetian Blinds

Chain EVBs house slat lifting and tilting within the side guides: the front remains entirely free of secondary elements and, with the system closed, the window opening is almost completely darkened. The range comprises three models: Bold and Esse, with 1.30 mm extruded aluminium slats, and Light, with 0.75 mm roll-formed aluminium slats. Operation is motorized as standard, fast and safe, with a device that stops the lifting movement when an obstruction is detected. It is the most robust family in the range, with wind resistance up to class 6++. For coastal environments exposed to salt air, a dedicated version is available, with stainless steel operating components.







LIGHT
Nero Micaceo TOUCH

Frangisole a filo

Cord External Venetian Blinds

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90-Z

Frangisole a filo / *Cord External Venetian Blinds*

Tenda frangisole impacchettabile con lama preverniciata a "Z" da 93 mm, dotata di guarnizione antirumore e nervatura centrale per maggiore robustezza. Disponibile con azionamento manuale oppure motorizzato. Guide disponibili in alluminio estruso o a cavo. Il ridotto passaggio di luce tra lame e guide garantisce un oscuramento fino al 90%.

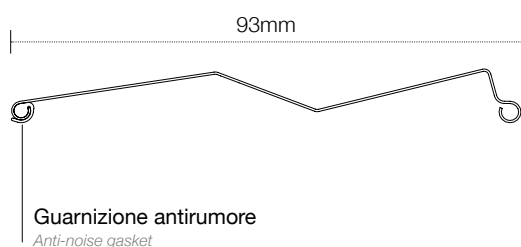
Retractable External Venetian Blind awning with 93 mm pre-painted 'Z'-shaped slats, fitted with a noise-reducing seal and a central rib for added strength. Available with manual or motorised operation. Guides available in extruded aluminium or cable-guided. The minimal light gap between the slats and the guides ensures up to 90% shading.

Specifiche tecniche / Technical specifications

Spessore lama <i>Slat thickness</i>	0,48 mm
Larghezza massima <i>Maximum length</i>	4500 mm
Altezza massima <i>Maximum height</i>	5500 mm

Guide <i>Guides</i>	In alluminio estruso A cavo <i>In extruded aluminium Cabled</i>
Movimentazione <i>Operation</i>	A motore Ad argano diretta Ad argano rinviata <i>Motorized Direct crank gear operations Indirect crank gear operations</i>

Sezione lama / Slat section



Optional

La frangisole 90-Z è disponibile con i seguenti optional:
90-Z External Venetian Blinds are compatible with the following optional:

Kit guide autoportanti <i>Self-supporting guides kit</i>	Trattamento seaside <i>Shore Kit</i>
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Velette
Front cover panels

Finiture / Finishes

RAL9010 <i>Bianco puro</i>	RAL9016 <i>Bianco traffico</i>	RAL1013 <i>Bianco perla</i>	RAL7016 <i>Grigio antracite</i>	RAL6009 <i>Verde abete</i>	RAL7035 <i>Grigio luce</i>
RAL9006 <i>Alluminio brillante</i>	RAL9007 <i>Alluminio giallastro</i>	RAL8017 <i>Marrone cioccolato</i>	RAL8019 <i>Marrone giallastro</i>	RAL7022 <i>Grigio ombra</i>	RAL9005 <i>Nero intenso</i>
RAL1019 TOUCH <i>Beige</i>	TOUCH <i>Marrone</i>	TOUCH <i>Nero</i>	Consulta la pagina 94 per la lista colori disponibili <i>See page 94 for the full colour range</i>		

Resistenza al carico del vento / Wind Load Resistance

Configurazione sistema <i>System configuration</i>	Norma di prova <i>Test Regulation</i>	Norma di classificazione <i>Regulatory classification</i>	Km/h	Classe <i>Class</i>
90-Z con guide estruse	UNI EN 1932	UNI EN 13659	92	6
90-Z con guide a cavo	UNI EN 1932	UNI EN 13659	60	4

Tenda sottoposta a prova con dimensioni 2000 mm. Il valore massimo assegnato alla resistenza al carico del vento è 6.

Note

Il trattamento Seaside è un rivestimento speciale per le lamelle, pensato per aumentare la resistenza del sistema negli ambienti esposti alla salsedine.
I modelli di velette sono consultabili a pagina 92.

Notes

The Seaside treatment is a special coating for the slats, designed to increase the system's durability in environments exposed to sea air.
On page 92, you can view the available front cover panels.

Il sistema / The system

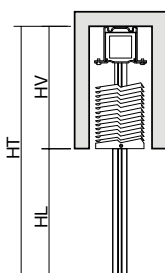
Ingombro

Dimensions



Disponibile solo con
sistema a guide estruse

Extruded guides system only

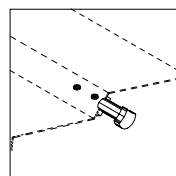


HV	HT (mm)		HL (mm)	
	min	max	min	max
245	600	2400	355	2150
250	2401	2480	2151	2225
255	2481	2640	2226	2380
260	2641	2720	2381	2455
265	2721	2800	2456	2530
270	2801	2880	2531	2605
275	2881	2960	2606	2680
280	2961	3040	2681	2755
285	3041	3120	2756	2830
290	3121	3200	2831	2905
295	3201	3280	2906	2980
300	3281	3440	2981	3135
305	3441	3520	3136	3210
310	3521	3600	3211	3285
315	3601	3680	3286	3360
320	3681	3760	3361	3435
325	3761	3840	3436	3510
330	3841	3920	3511	3585
335	3921	4000	3586	3660
340	4001	4080	3661	3735
345	4081	4240	3736	3890
350	4241	4320	3891	3965
355	4321	4400	3966	4040
360	4401	4480	4041	4115
365	4481	4560	4116	4190
370	4561	4640	4191	4265
375	4641	4720	4266	4340
380	4721	4800	4341	4415
385	4801	4880	4616	4490
390	4881	5040	4491	4645
395	5041	5120	4646	4720
400	5121	5200	4721	4795
405	5201	5280	4796	4870
410	5281	5500	4871	5090

*

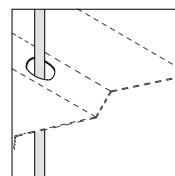
Sistema di aggancio

Attachment system



Lama con piolo in zama
per guida estrusa

Slat with zamak pin for extruded guide

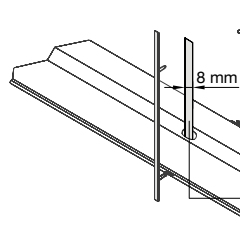


Lama con foro
per guida a cavo

Slat with hole for cable guide

Trazione

Tilting system

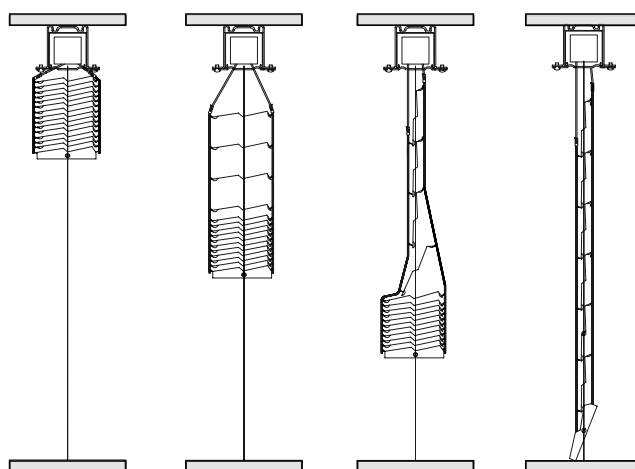


Terylene per
orientamento lame
Terylene for slats tilting

Texband per
trazione frangisole
Texband for packet tilting

Apertura e orientamento

Opening and orientation system



1. Posizione di fine corsa alto
2. Posizione lame in salita
3. Posizione lame in discesa
4. Posizione di fine corsa basso

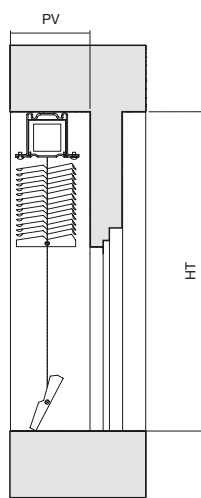
1. Upper end-of-stroke position
2. Slats up position
3. Slats down position
4. Lower end-of-stroke position

Configurazioni

System configurations

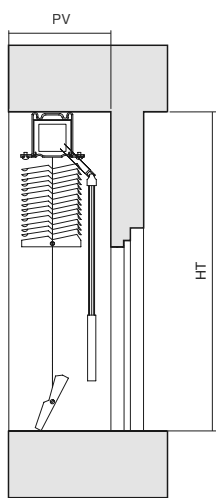
Configurazione a motore

Motorized version



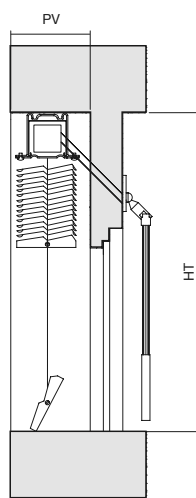
Configurazione ad argano diretta

Direct crank gear operations version



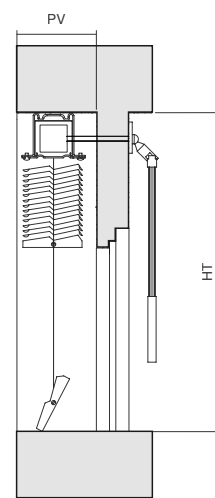
Configurazione ad argano rinviata a 45°

Indirect crank gear operations at 45°



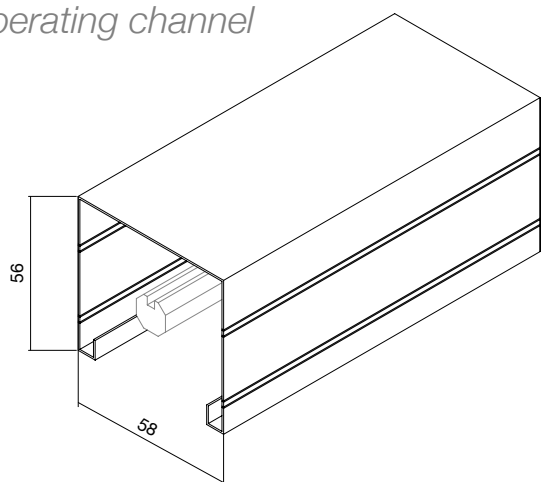
Configurazione ad argano rinviata a 90°

Indirect crank gear operations at 90°



Canale di manovra

Operating channel

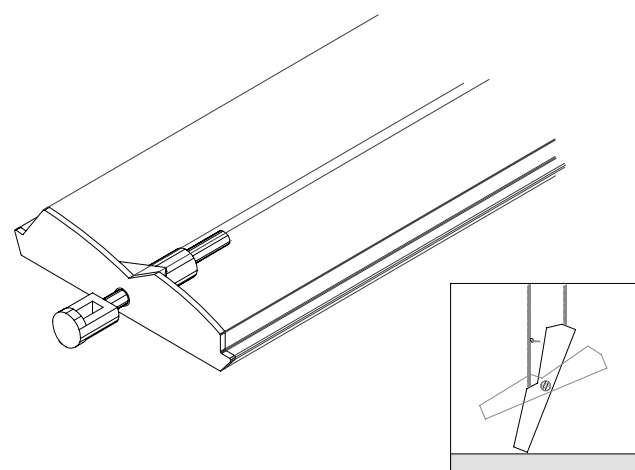


Canale di manovra 56x58mm in acciaio di spessore 0,6 mm. Disponibile con finitura zincata o verniciato.

Operating channel 56x58 mm made of 0.6 mm thick steel. Available in galvanized or painted finish.

Terminale

Bottom rail



Terminale in alluminio estruso di spessore 1,2 mm, verniciato in tinta. Tappi laterali telescopici disponibili in nero o grigio chiaro. La caduta del terminale rispetto alla banchina è variabile in funzione della dimensione del telo.

Extruded aluminum bottom rail, 1.2 mm thick, powder-coated to match the color of the sunshade surface. Telescopic side caps available in black or light grey. The drop of the bottom rail relative to the window sill varies depending on the size of the entire venetian blind.

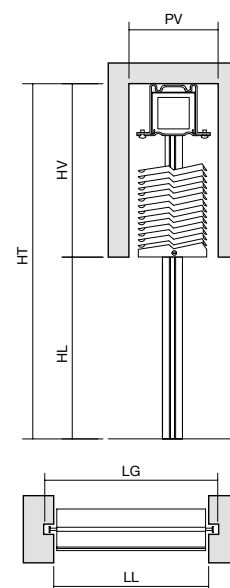
Il sistema con guide estruse

Extruded guides system

	LG min	LG max	HT min	HT max	Superficie max <i>Max surface</i>	PV
A motore <i>Motorized</i>	550mm	4500mm	600mm	5500mm	12,5m ²	130mm
Ad argano <i>Crank operated</i>	450mm*	4500mm	600mm	5500mm	12,5m ²	150mm

*Manovra obbligatoria a sinistra vista interna

*Mandatory left turn, internal view



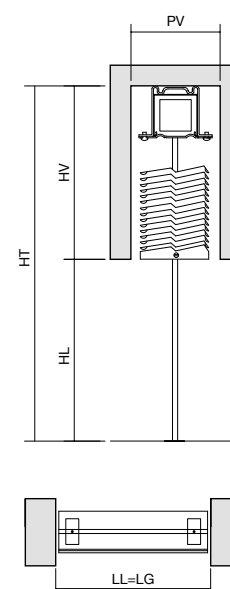
Il sistema con guide a cavo

Cabled guides system

	LG min	LG max	HT min	HT max	Superficie max <i>Max surface</i>	PV
A motore <i>Motorized</i>	600mm	4000mm	600mm	3000mm	9m ²	130mm
Ad argano <i>Crank operated</i>	550mm*	4000mm	600mm	3000mm	9m ²	150mm

*Manovra obbligatoria a sinistra vista interna

*Mandatory left turn, internal view



Calcolo posizione supporti canale di manovra

Positioning of head rail holders

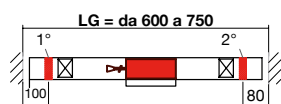
Legenda

Legend:



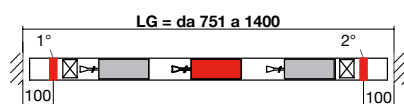
Movimentazione a motore*

Motorized movement version*



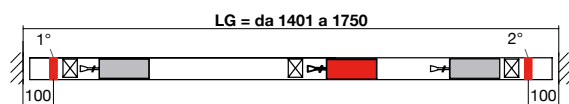
N°2 Supporti: 1° a 100mm da SX, 2° a 80mm da DX

N° 2 holders: 1st at 100 mm from left side, 2nd at 80 mm from right side



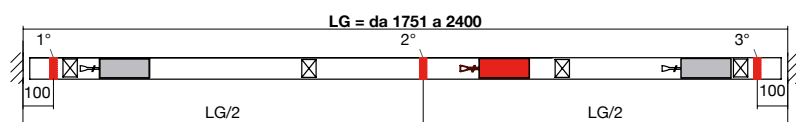
N°2 Supporti: 1° a 100mm da SX, 2° a 100mm da DX

N° 2 holders: 1st at 100 mm from left side, 2nd at 100 mm from right side



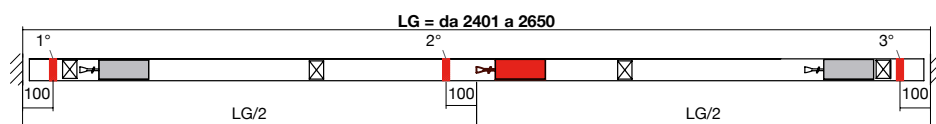
N°2 Supporti: 1° a 100mm da SX, 2° a 100mm da DX

N° 2 holders: 1st at 100 mm from left side, 2nd at 100 mm from right side



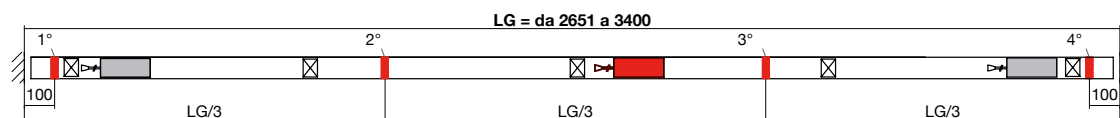
N°3 Supporti: 1° a 100mm da SX, 3° a 100mm da DX, il 2° al centro LG/2

N° 3 holders: 1st at 100 mm from left side, 3rd at 100 mm from right side, 2nd at the center LG/2



N°3 Supporti: 1° a 100mm da SX, 3° a 100mm da DX, il 2° 100mm a SX rispetto al centro LG/2

N° 3 holders: 1st at 100 mm from left side, 3rd at 100 mm from right side, 2nd 100 mm to the left of the center LG/2



N°4 Supporti: 1° a 100mm da SX, 4° a 100mm da DX, il 2° a un terzo della lunghezza LG/3 partendo da SX, il 3° a un terzo della lunghezza LG/3 partendo da DX

N° 4 holders: 1st at 100 mm from left side, 4th at 100 mm from right side, 2nd at 1/3 of the length (BK/3) starting from left, 3rd at 1/3 of the length (BK/3) starting from right



N°4 Supporti: 1° a 100mm da SX, 4° a 100mm da DX, il 2° a un terzo della lunghezza LG/3 da SX, il 3° a un terzo della lunghezza LG/3 da DX

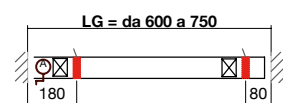
N° 4 holders: 1st at 100 mm from left side, 4th at 100 mm from right side, 2nd at 1/3 of the length (LG/3) from left, 3rd at 1/3 of the length (LG/3) from right

* Il motore può essere posizionato a SX, DC o a richiesta ma l'uscita del cavo motore è sempre a SX.
Si consiglia di predisporre l'uscita dei cavi a SX vista interna. Se non specificato il motore sarà posizionato al centro (indicato in rosso).

* The motor can be positioned on the left (L), right (R), or upon request, but the motor cable outlet is always on the left side.
It is recommended to arrange the cable exit on the left side when viewed from the inside. If not specified, the motor will be positioned in the center (shown in red).

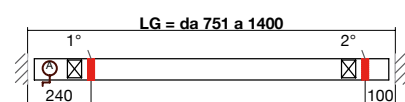
Movimentazione ad argano**

*Crank movement version***



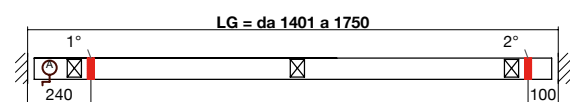
Con LG fino a 750mm manovra obbligatoria a SX. N°2 Supporti: 1° a 180mm da SX, 2° a 80mm da DX

With LG up to 750 mm, operation must be on the left side. N° 2 holders: 1st at 180 mm from left side, 2nd at 80 mm from right side



Con manovra a SX: N°2 Supporti: 1° a 240mm da SX, 2° a 100mm da DX

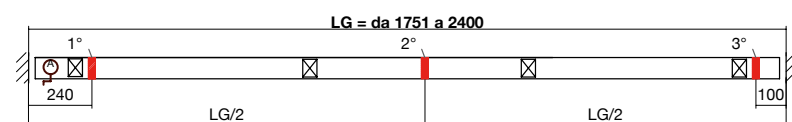
With operation on the left side: N° 2 holders: 1st at 240 mm from left side, 2nd at 100 mm from right side



Con manovra a SX:

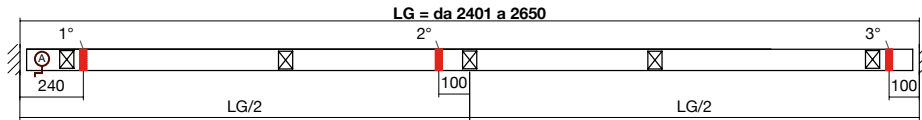
N°2 Supporti: 1° a 240mm da SX, 2° a 100mm da DX

With operation on the left side: N° 2 holders: 1st at 240 mm from left side, 2nd at 100 mm from right side



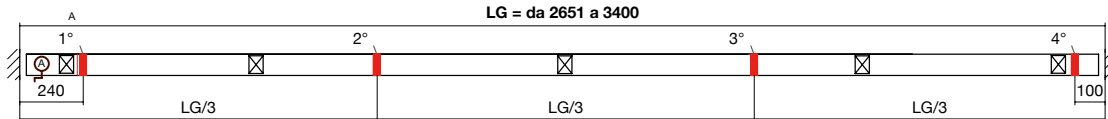
Con manovra a SX: N°3 Supporti: 1° a 240mm da SX, 3° a 100mm da DX, il 2° al centro LG/2

With operation on the left side: N° 3 holders: 1st at 240 mm from left side, 3rd at 100 mm from right side, 2nd in the center LG/2



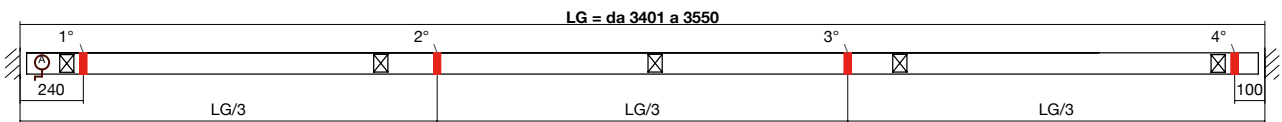
Con manovra a SX: N°3 Supporti: 1° a 240mm da SX, 3° a 100mm da DX, il 2° 100mm a SX rispetto al centro LG/2

With operation on the left side: N° 3 holders: 1st at 240 mm from left side, 3rd at 100 mm from right side, 2nd 100 mm to the left of the center LG/2



Con manovra a SX: N°4 supporti: 1° a 240mm da SX, 4° a 100mm da DX, il 2° a un terzo della lunghezza LG/3 partendo da SX, il 3° a un terzo della lunghezza LG/3 partendo da DX

With operation on the left side: N° 4 holders: 1st at 100 mm from left side, 4th at 100 mm from right side, 2nd at 1/3 of the length (LG/3) starting from left, 3rd at 1/3 of the length (LG/3) starting from right



Con manovra a SX: N°4 Supporti: 1° a 240mm da SX, 4° a 100mm da DX, il 2° a un terzo della lunghezza LG/3 da SX, il 3° a un terzo della lunghezza LG/3 da DX

With operation on the left: N° 4 holders: 1st at 240 mm from left side, 4th at 100 mm from right side, 2nd considering LG/3 to the left side, 3rd considering LG/3 to the right

**** In tutti gli esempi, la manovra è posizionata a sinistra, vista interna.**

Qualora la manovra venga collocata a destra, la posizione del primo e dell'ultimo supporto sarà invertita: il primo sarà a 100mm da SX e l'ultimo a 250mm da DX.

**** In all examples, the control mechanism is positioned on the left when viewed from the inside.**

If the control is placed on the right, the positions of the first and last bracket will be reversed: the first will be 100 mm from the left side and the last 240 mm from the right side.

70-Z

Frangisole a filo / *Cord external Venetian blinds*

Tenda frangisole impacchettabile con lama preverniciata a "Z" da 68 mm, dotata di guarnizione antirumore e bordatura laterale che, unita alla nervatura centrale, conferisce maggiore robustezza. Disponibile con azionamento manuale oppure motorizzato, con finecorsa meccanici superiore e inferiore preimpostati. Guide disponibili in alluminio estruso o a cavo. Il ridotto passaggio di luce tra lame e guide garantisce un oscuramento fino al 90%.

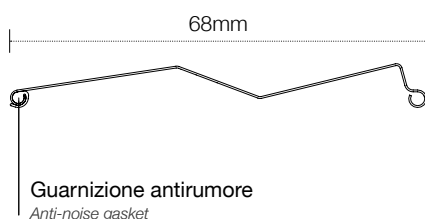
Retractable External Venetian Blind awning with a 68 mm pre-painted 'Z'-shaped slat, fitted with a noise-reducing seal and side edging which, together with the central rib, provides greater strength. Available with manual or motorised operation, with pre-set upper and lower mechanical limit switches. Guides are available in extruded aluminium or cable-guided versions. The minimal light gap between the slats and the guides ensures up to 90% light blackout.

Specifiche tecniche / Technical specifications

Spessore lama <i>Slat thickness</i>	0,48 mm
Larghezza massima <i>Maximum length</i>	4500 mm
Altezza massima <i>Maximum height</i>	4800 mm

Guide <i>Guides</i>	In alluminio estruso <i>In extruded aluminium</i>	A cavo <i>Cabled</i>
Movimentazione <i>Operation</i>	A motore <i>Motorized</i>	
	Ad argano diretta <i>Direct crank gear operations</i>	
	Ad argano rinviata <i>Indirect crank gear operations</i>	

Sezione lama / Slat section



Optional

La frangisole 70-Z è disponibile con i seguenti optional:
70-Z External Venetian Blinds are compatible with the following optional:

Kit guide autoportanti <i>Self-supporting guides kit</i>	Trattamento seaside <i>Shore Kit</i>
---	---

Vele
Front cover panels

Finiture / Finishes

RAL9010 <i>Bianco puro</i>	RAL9016 <i>Bianco traffico</i>	RAL1013 <i>Bianco perla</i>	RAL7016 <i>Grigio antracite</i>	RAL6005 <i>Verde muschio</i>	RAL6009 <i>Verde abete</i>
RAL7035 <i>Grigio luce</i>	RAL9006 <i>Alluminio brillante</i>	RAL9007 <i>Alluminio giallastro</i>	RAL8017 <i>Marrone cioccolato</i>	RAL8019 <i>Marrone giallastro</i>	RAL7022 <i>Grigio ombra</i>
RAL9005 <i>Nero intenso</i>	RAL1019 TOUCH <i>Beige</i>	TOUCH <i>Marrone</i>	TOUCH <i>Nero</i>	Consulta la pagina 94 per la lista colori disponibili <i>See page 94 for the full colour range</i>	

Resistenza al carico del vento / Wind Load Resistance

Configurazione sistema <i>System configuration</i>	Norma di prova <i>Test Regulation</i>	Norma di classificazione <i>Regulatory classification</i>	Km/h	Classe <i>Class</i>
70-Z con guide estruse	UNI EN 1932	UNI EN 13659	92	6
70-Z con guide a cavo	UNI EN 1932	UNI EN 13659	60	4

Tenda sottoposta a prova con dimensioni 2000 mm. Il valore massimo assegnato alla resistenza al carico del vento è 6.

Note

Il trattamento Seaside è un rivestimento speciale per le lamelle, pensato per aumentare la resistenza del sistema negli ambienti esposti alla salsedine.
I modelli di vele sono consultabili a pagina 92.

Notes

The Seaside treatment is a special coating for the slats, designed to increase the system's durability in environments exposed to sea air.
On page 92, you can view the available front cover panels.

Il sistema / The system

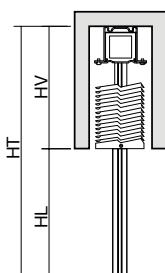
Ingombro

Dimensions



Disponibile solo con
sistema a guide estruse

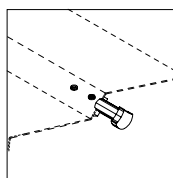
Extruded guides system only



HV	HT (mm)		HL (mm)	
	min	max	min	max
215	600	1518	385	1298
220	1519	1578	1299	1353
225	1579	1638	1354	1408
230	1639	1698	1409	1463
235	1699	1818	1464	1578
240	1819	1878	1579	1633
245	1879	1938	1634	1688
250	1939	1998	1689	1743
255	1999	2058	1744	1798
260	2059	2118	1799	1853
265	2119	2178	1854	1908
270	2179	2238	1909	1963
275	2239	2298	1964	2018
280	2299	2418	2019	2133
285	2419	2478	2134	2188
290	2479	2538	2189	2243
295	2539	2598	2244	2298
300	2599	2658	2299	2353
305	2659	2718	2354	2408
310	2719	2778	2409	2463
315	2779	2838	2464	2518
320	2839	2898	2519	2573
325	2839	3018	2574	2688
330	2899	3078	2689	2743
335	3019	3138	2744	2798
340	3079	3198	2799	2853
345	3139	3258	2854	2908
350	3199	3318	2909	2963
355	3259	3378	2964	3018
360	3319	3438	3019	3073
365	3379	3498	3074	3128
370	3439	3618	3129	3243
375	3499	3678	3244	3298
380	3619	3738	3299	3353
385	3679	3798	3354	3408
390	3739	3858	3409	3463
395	3799	3918	3464	3518
400	3859	3978	3519	3573
405	3919	4038	3574	3628
410	3979	4098	3629	3683
415	4039	4218	3684	3798
420	4099	4278	3799	3852
425	4219	4338	3854	3908
430	4279	4398	3909	3963
435	4339	4458	3964	4018
440	4459	4518	4019	4073
445	4519	4578	4074	4128
450	4579	4638	4129	4183
455	4639	4698	4184	4238
460	4699	4800	4239	4340

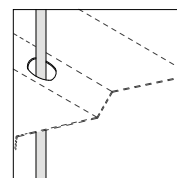
Sistema di aggancio

Attachment system



Lama con piolo in zama
per guida estrusa

Slat with zamak pin for extruded guide

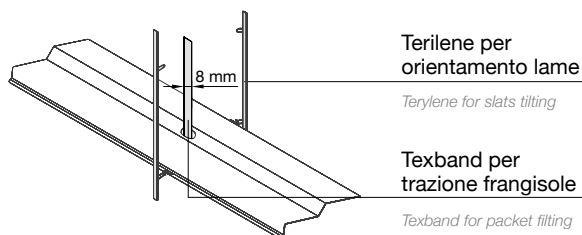


Lama con foro
per guida a cavo

Slat with hole for cable guide

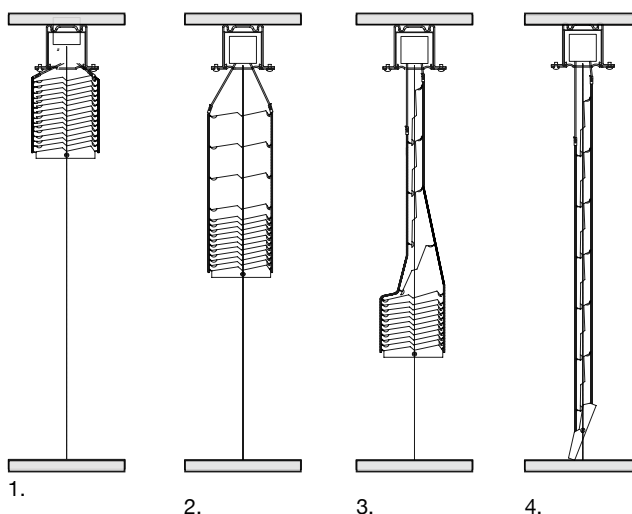
Trazione

Tilting system



Apertura e orientamento

Opening and orientation system



1. Posizione di fine corsa alto
2. Posizione lame in salita
3. Posizione lame in discesa
4. Posizione di fine corsa basso

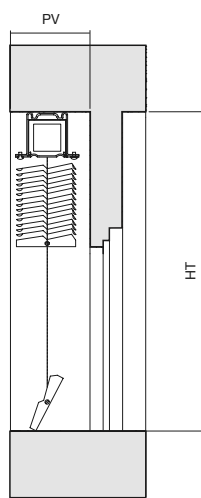
1. Upper end-of-stroke position
2. Slats up position
3. Slats down position
4. Lower end-of-stroke position

Configurazioni

System configurations

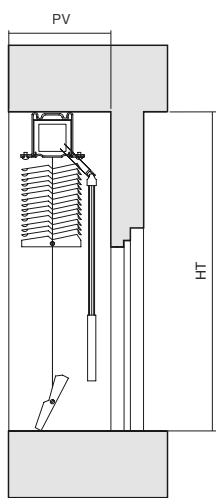
Configurazione a motore

Motorized version



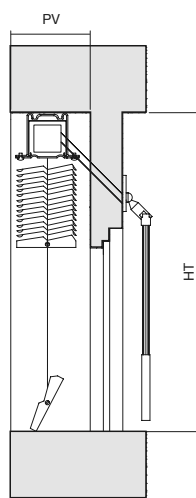
Configurazione ad argano diretta

Direct crank gear operations version



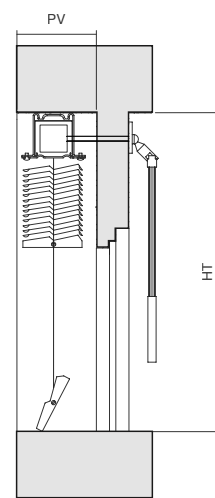
Configurazione ad argano rinviata a 45°

Indirect crank gear operations at 45°



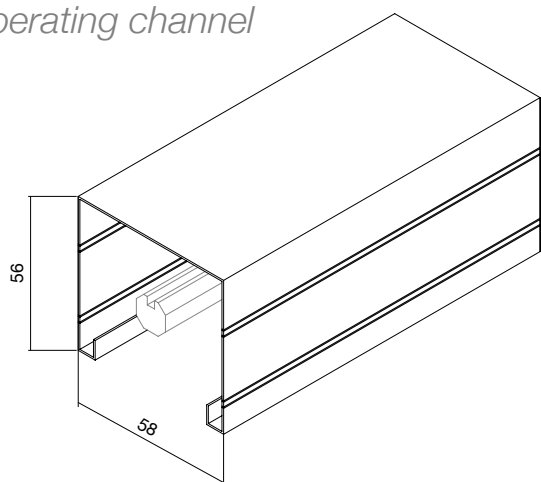
Configurazione ad argano rinviata a 90°

Indirect crank gear operations at 90°



Canale di manovra

Operating channel

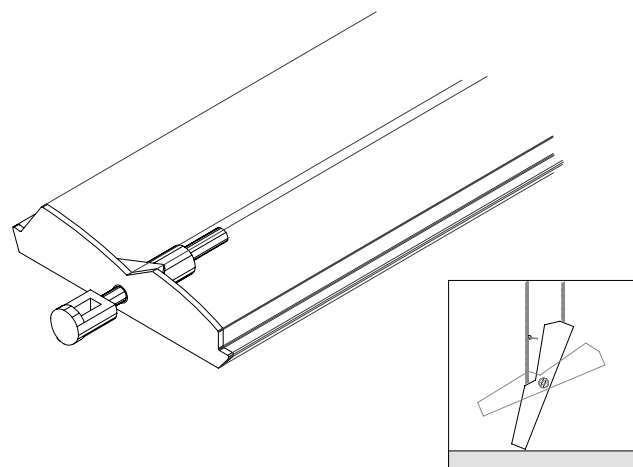


Canale di manovra 56x58mm in acciaio di spessore 0,6mm.
Disponibile con finitura zincata o verniciato.

*Operating channel 56x58 mm made of 0.6 mm thick steel.
Available in galvanized or painted finish.*

Terminale

Bottom rail



Terminale in alluminio estruso di spessore 1,2mm, verniciato in tinta. Tappi laterali telescopici disponibili in nero o grigio chiaro.

La caduta del terminale rispetto alla banchina è variabile in funzione della dimensione del telo.

Extruded aluminum bottom rail, 1.2 mm thick, powder-coated to match the color of the sunshade surface. Telescopic side caps available in black or light grey.

The drop of the bottom rail relative to the window sill varies depending on the size of the entire venetian blind.

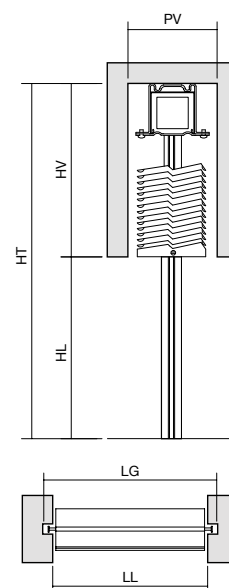
Il sistema con guide estruse

Extruded guides system

	LG min	LG max	HT min	HT max	Superficie max Max surface	PV
A motore <i>Motorized</i>	550mm	4500mm	600mm	4800mm	12,5m ²	110mm
Ad argano <i>Crank operated</i>	450mm*	4500mm	600mm	4800mm	12,5m ²	130mm

*Manovra obbligatoria a sinistra vista interna

*Mandatory left turn, internal view



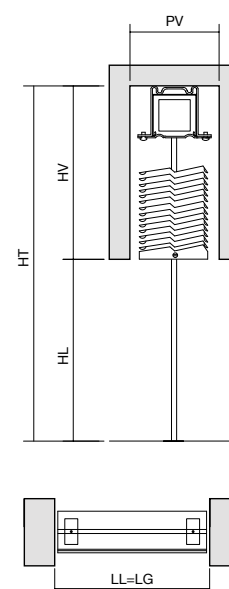
Il sistema con guide a cavo

Cabled guides system

	LG min	LG max	HT min	HT max	Superficie max Max surface	PV
A motore <i>Motorized</i>	600mm	4000mm	600mm	3000mm	9m ²	110mm
Ad argano <i>Crank operated</i>	550mm*	4000mm	600mm	3000mm	9m ²	130mm

*Manovra obbligatoria a sinistra vista interna

*Mandatory left turn, internal view



Calcolo posizione supporti canale di manovra

Positioning of head rail holders

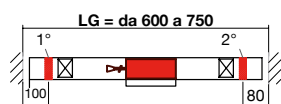
Legenda

Legend:



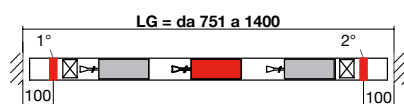
Movimentazione a motore*

Motorized movement version*



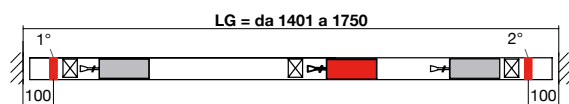
N°2 Supporti: 1° a 100mm da SX, 2° a 80mm da DX

N° 2 holders: 1st at 100 mm from left side, 2nd at 80 mm from right side



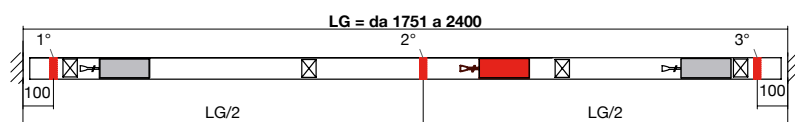
N°2 Supporti: 1° a 100mm da SX, 2° a 100mm da DX

N° 2 holders: 1st at 100 mm from left side, 2nd at 100 mm from right side



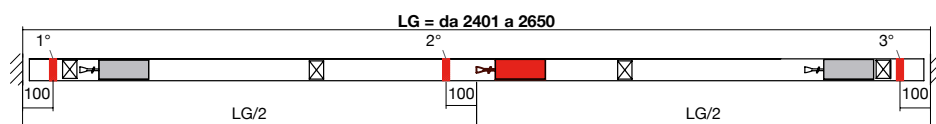
N°2 Supporti: 1° a 100mm da SX, 2° a 100mm da DX

N° 2 holders: 1st at 100 mm from left side, 2nd at 100 mm from right side



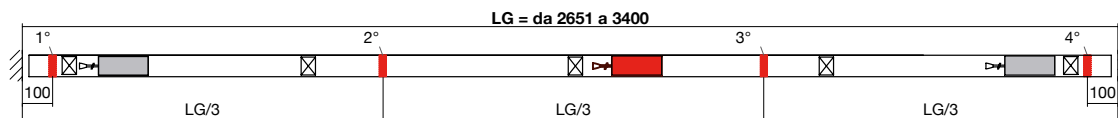
N°3 Supporti: 1° a 100mm da SX, 3° a 100mm da DX, il 2° al centro LG/2

N° 3 holders: 1st at 100 mm from left side, 3rd at 100 mm from right side, 2nd at the center LG/2



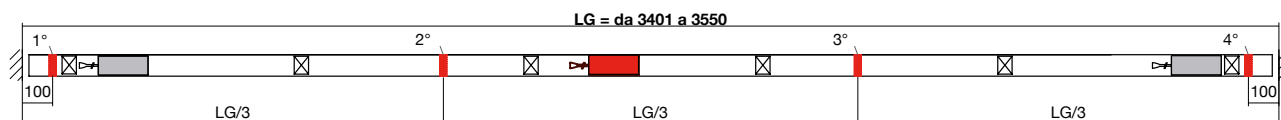
N°3 Supporti: 1° a 100mm da SX, 3° a 100mm da DX, il 2° 100mm a SX rispetto al centro LG/2

N° 3 holders: 1st at 100 mm from left side, 3rd at 100 mm from right side, 2nd 100 mm to the left of the center LG/2



N°4 Supporti: 1° a 100mm da SX, 4° a 100mm da DX,
il 2° a un terzo della lunghezza LG/3 partendo da SX, il 3° a un terzo della lunghezza LG/3 partendo da DX

N° 4 holders: 1st at 100 mm from left side, 4th at 100 mm from right side, 2nd at 1/3 of the length (BK/3) starting from left, 3rd at 1/3 of the length (BK/3) starting from right



N°4 Supporti: 1° a 100mm da SX, 4° a 100mm da DX, il 2° a un terzo della lunghezza LG/3 da SX, il 3° a un terzo della lunghezza LG/3 da DX

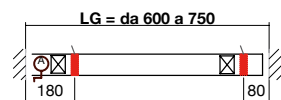
N° 4 holders: 1st at 100 mm from left side, 4th at 100 mm from right side, 2nd at 1/3 of the length (LG/3) from left, 3rd at 1/3 of the length (LG/3) from right

* Il motore può essere posizionato a SX, DC o a richiesta ma l'uscita del cavo motore è sempre a SX.
Si consiglia di predisporre l'uscita dei cavi a SX vista interna. Se non specificato il motore sarà posizionato al centro (indicato in rosso).

* The motor can be positioned on the left (L), right (R), or upon request, but the motor cable outlet is always on the left side.
It is recommended to arrange the cable exit on the left side when viewed from the inside. If not specified, the motor will be positioned in the center (shown in red).

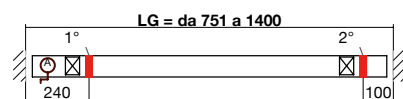
Movimentazione ad argano**

*Crank movement version***



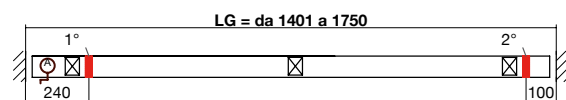
Con LG fino a 750mm manovra obbligatoria a SX. N°2 Supporti: 1° a 180mm da SX, 2° a 80mm da DX

With LG up to 750 mm, operation must be on the left side. N° 2 holders: 1st at 180 mm from left side, 2nd at 80 mm from right side



Con manovra a SX: N°2 Supporti: 1° a 240mm da SX, 2° a 100mm da DX

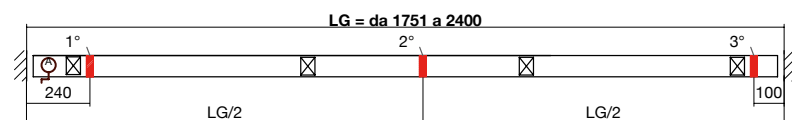
With operation on the left side: N° 2 holders: 1st at 240 mm from left side, 2nd at 100 mm from right side



Con manovra a SX:

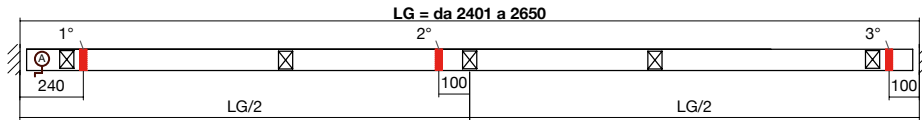
N°2 Supporti: 1° a 240mm da SX, 2° a 100mm da DX

With operation on the left side: N° 2 holders: 1st at 240 mm from left side, 2nd at 100 mm from right side



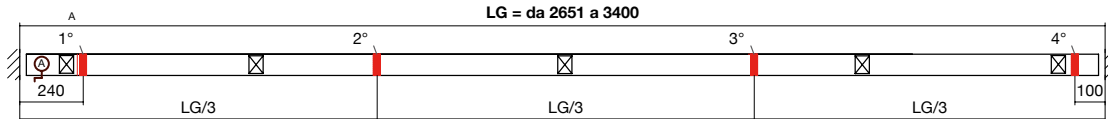
Con manovra a SX: N°3 Supporti: 1° a 240mm da SX, 3° a 100mm da DX, il 2° al centro LG/2

With operation on the left side: N° 3 holders: 1st at 240 mm from left side, 3rd at 100 mm from right side, 2nd in the center LG/2



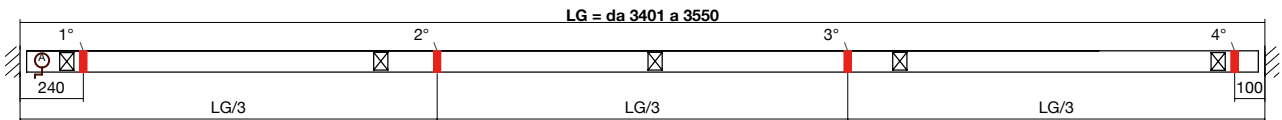
Con manovra a SX: N°3 Supporti: 1° a 240mm da SX, 3° a 100mm da DX, il 2° 100mm a SX rispetto al centro LG/2

With operation on the left side: N° 3 holders: 1st at 240 mm from left side, 3rd at 100 mm from right side, 2nd 100 mm to the left of the center LG/2



Con manovra a SX: N°4 supporti: 1° a 240mm da SX, 4° a 100mm da DX, il 2° a un terzo della lunghezza LG/3 partendo da SX, il 3° a un terzo della lunghezza LG/3 partendo da DX

With operation on the left side: N° 4 holders: 1st at 100 mm from left side, 4th at 100 mm from right side, 2nd at 1/3 of the length (LG/3) starting from left, 3rd at 1/3 of the length (LG/3) starting from right



Con manovra a SX: N°4 Supporti: 1° a 240mm da SX, 4° a 100mm da DX, il 2° a un terzo della lunghezza LG/3 da SX, il 3° a un terzo della lunghezza LG/3 da DX

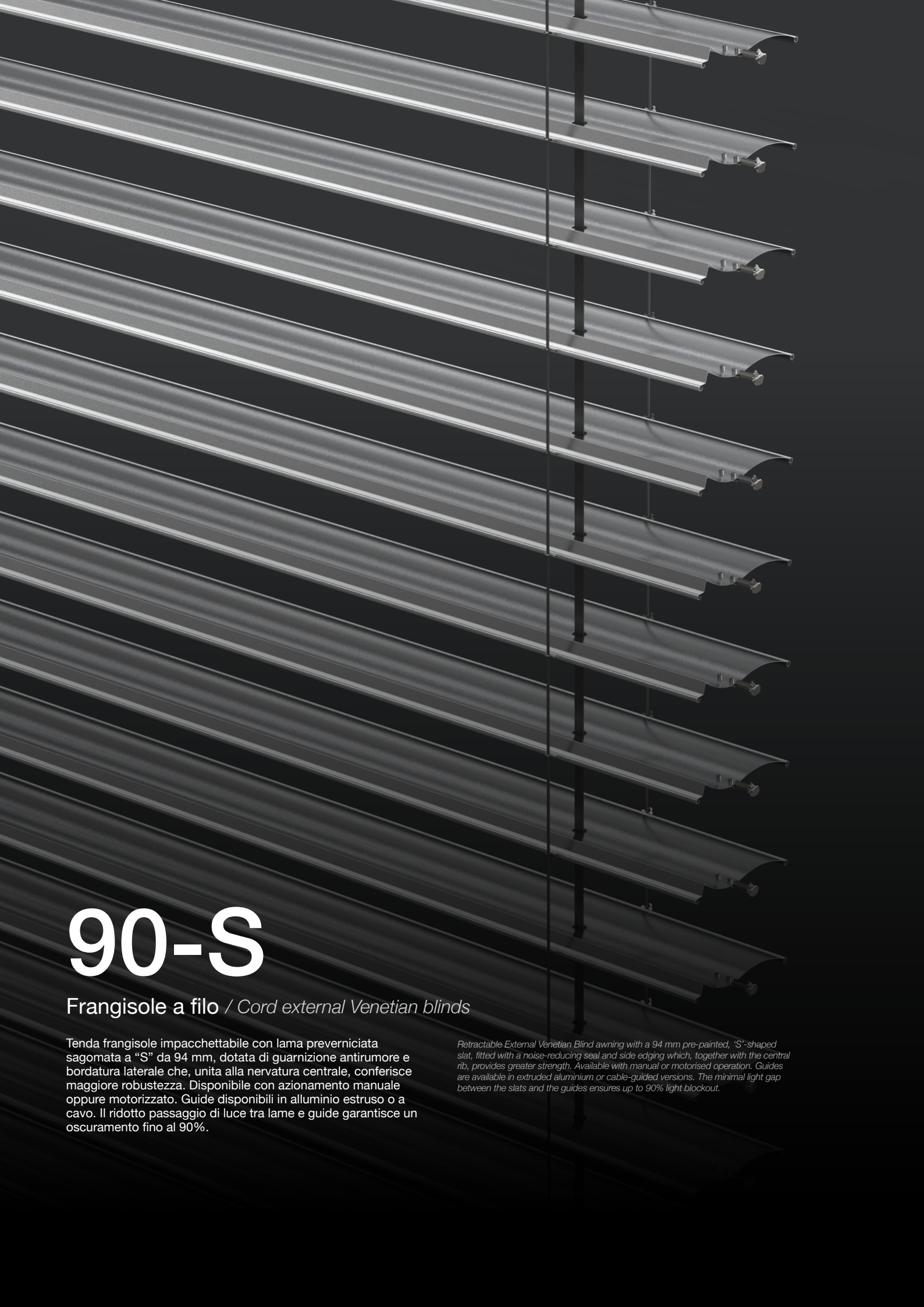
With operation on the left: N° 4 holders: 1st at 240 mm from left side, 4th at 100 mm from right side, 2nd considering LG/3 to the left side, 3rd considering LG/3 to the right

**** In tutti gli esempi, la manovra è posizionata a sinistra, vista interna.**

Qualora la manovra venga collocata a destra, la posizione del primo e dell'ultimo supporto sarà invertita: il primo sarà a 100mm da SX e l'ultimo a 250mm da DX.

**** In all examples, the control mechanism is positioned on the left when viewed from the inside.**

If the control is placed on the right, the positions of the first and last bracket will be reversed: the first will be 100 mm from the left side and the last 240 mm from the right side.



90-S

Frangisole a filo / *Cord external Venetian blinds*

Tenda frangisole impacchettabile con lama preverniciata sagomata a "S" da 94 mm, dotata di guarnizione antirumore e bordatura laterale che, unita alla nervatura centrale, conferisce maggiore robustezza. Disponibile con azionamento manuale oppure motorizzato. Guide disponibili in alluminio estruso o a cavo. Il ridotto passaggio di luce tra lame e guide garantisce un oscuramento fino al 90%.

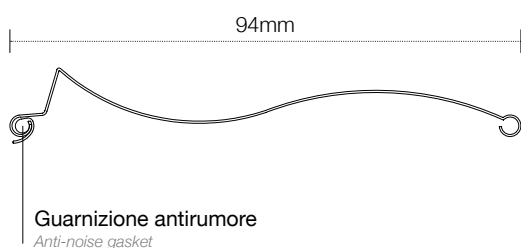
Retractable External Venetian Blind awning with a 94 mm pre-painted, 'S'-shaped slat, fitted with a noise-reducing seal and side edging which, together with the central rib, provides greater strength. Available with manual or motorised operation. Guides are available in extruded aluminium or cable-guided versions. The minimal light gap between the slats and the guides ensures up to 90% light blackout.

Specifiche tecniche / Technical specifications

Spessore lama <i>Slat thickness</i>	0,48 mm
Larghezza massima <i>Maximum length</i>	4500 mm
Altezza massima <i>Maximum height</i>	5500 mm

Guide <i>Guides</i>	In alluminio estruso <i>In extruded aluminium</i>	A cavo <i>Cabled</i>
Movimentazione <i>Operation</i>	A motore <i>Motorized</i>	
	Ad argano diretta <i>Direct crank gear operations</i>	
	Ad argano rinviata <i>Indirect crank gear operations</i>	

Sezione lama / Slat section



Optional

La frangisole 90-S è disponibile con i seguenti optional:
90-S External Venetian Blinds are compatible with the following optional:

Kit guide autoportanti <i>Self-supporting guides kit</i>	Trattamento seaside <i>Shore Kit</i>
---	---

Velette
Front cover panels

Finiture / Finiture

RAL9010 <i>Bianco puro</i>	RAL9016 <i>Bianco traffico</i>	RAL1013 <i>Bianco perla</i>	RAL7016 <i>Grigio antracite</i>	RAL6009 <i>Verde abete</i>	RAL8017 <i>Marrone cioccolato</i>
RAL7035 <i>Grigio luce</i>	RAL9006 <i>Alluminio brillante</i>	RAL9007 <i>Alluminio giallastro</i>	RAL8019 <i>Marrone giallastro</i>	RAL7022 <i>Grigio ombra</i>	RAL9005 <i>Nero intenso</i>
RAL1019 TOUCH <i>Beige</i>	TOUCH <i>Marrone</i>	TOUCH <i>Nero</i>	Consulta la pagina 94 per la lista colori disponibili <i>See page 94 for the full colour range</i>		

Resistenza al carico del vento / Wind Load Resistance

Configurazione sistema <i>System configuration</i>	Norma di prova <i>Test Regulation</i>	Norma di classificazione <i>Regulatory classification</i>	Km/h	Classe <i>Class</i>
90-S con guide estruse	UNI EN 1932	UNI EN 13659	76	5
90-S con guide a cavo	UNI EN 1932	UNI EN 13659	60	4

Tenda sottoposta a prova con dimensioni 2000 mm. Il valore massimo assegnato alla resistenza al carico del vento è 6.

Note

Il trattamento Seaside è un rivestimento speciale per le lamelle, pensato per aumentare la resistenza del sistema negli ambienti esposti alla salsedine.
I modelli di velette sono consultabili a pagina 92.

Notes

The Seaside treatment is a special coating for the slats, designed to increase the system's durability in environments exposed to sea air.
On page 92, you can view the available front cover panels.

Il sistema / The system

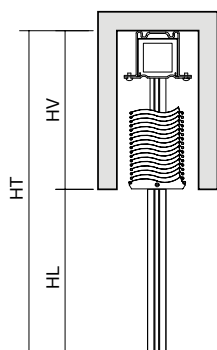
Ingombro

Dimensions

*

Disponibile solo con
sistema a guide estruse

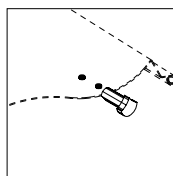
Extruded guides system only



HV	HT (mm)		HL (mm)	
	min	max	min	max
245	600	2400	355	2150
250	2401	2480	2151	2225
255	2481	2640	2226	2380
260	2641	2720	2381	2455
265	2721	2800	2456	2530
270	2801	2880	2531	2605
275	2881	2960	2606	2680
280	2961	3040	2681	2755
285	3041	3120	2756	2830
290	3121	3200	2831	2905
295	3201	3280	2906	2980
300	3281	3440	2981	3135
305	3441	3520	3136	3210
310	3521	3600	3211	3285
315	3601	3680	3286	3360
320	3681	3760	3361	3435
325	3761	3840	3436	3510
330	3841	3920	3511	3585
335	3921	4000	3586	3660
340	4001	4080	3661	3735
345	4081	4240	3736	3890
350	4241	4320	3891	3965
355	4321	4400	3966	4040
360	4401	4480	4041	4115
365	4481	4560	4116	4190
370	4561	4640	4191	4265
375	4641	4720	4266	4340
380	4721	4800	4341	4415
385	4801	4880	4616	4490
390	4881	5040	4491	4645
395	5041	5120	4646	4720
400	5121	5200	4721	4795
405	5201	5280	4796	4870
410	5281	5500	4871	5090

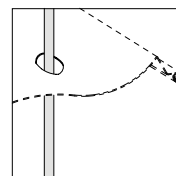
Sistema di aggancio

Attachment system



Lama con piolo in zama
per guida estrusa

Slat with zamak pin for extruded guide

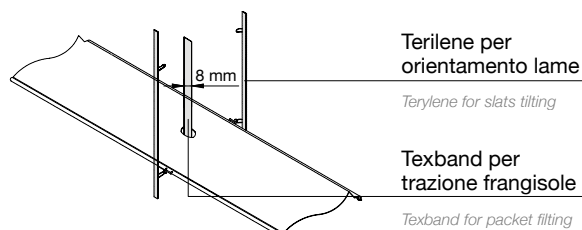


Lama con foro
per guida a cavo

Slat with hole for cable guide

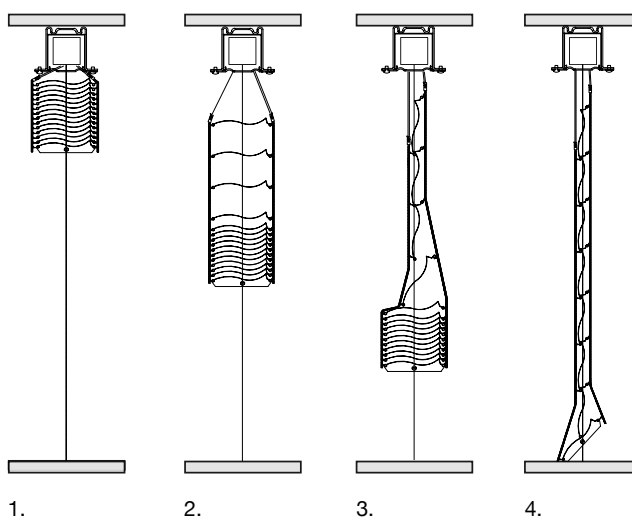
Trazione

Tilting system



Apertura e orientamento

Opening and orientation system



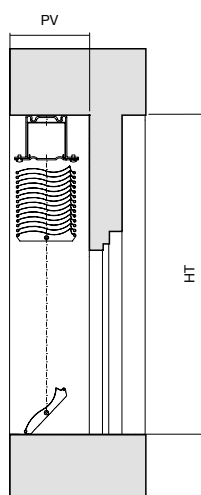
1. Posizione di fine corsa alto
2. Posizione lame in salita
3. Posizione lame in discesa
4. Posizione di fine corsa basso

1. Upper end-of-stroke position
2. Slats up position
3. Slats down position
4. Lower end-of-stroke position

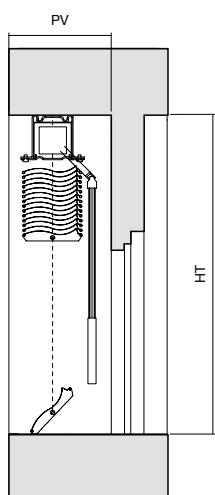
Configurazioni

System configurations

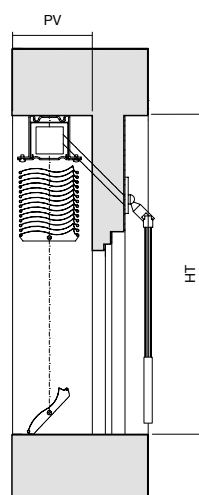
Configurazione a motore
Motorized version



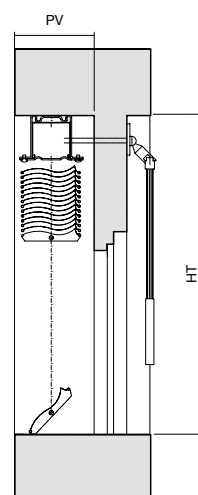
Configurazione ad argano diretta
Direct crank gear operations version



Configurazione ad argano rinvia a 45°
Indirect crank gear operations at 45°

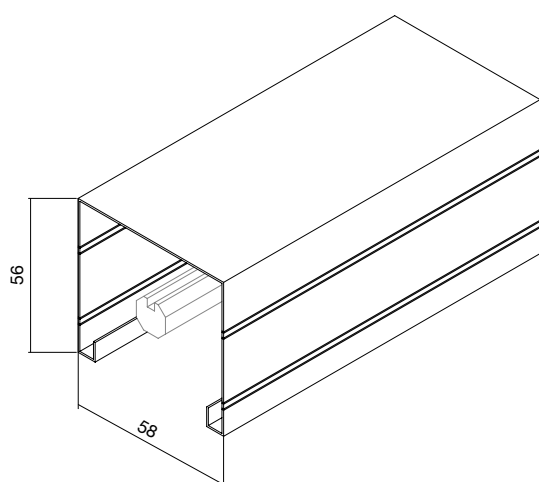


Configurazione ad argano rinvia a 90°
Indirect crank gear operations at 90°



Canale di manovra

Operating channel

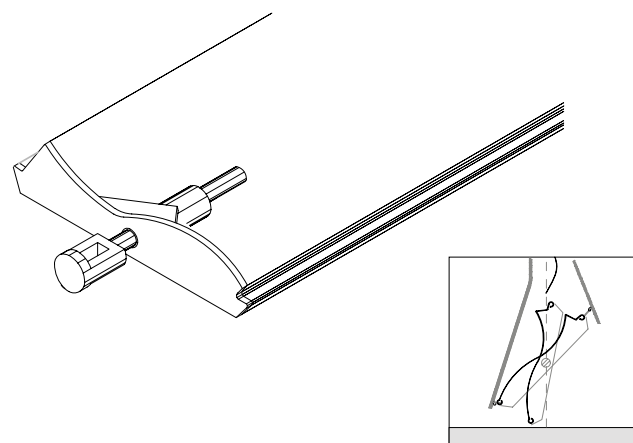


Canale di manovra 56x58 mm in acciaio di spessore 0,6 mm. Disponibile con finitura zincata o verniciato.

Operating channel 56x58 mm made of 0.6 mm thick steel. Available in galvanized or painted finish.

Terminale

Bottom rail



Terminale in alluminio estruso di spessore 1,2 mm, verniciato in tinta. Tappi laterali telescopici disponibili in nero o grigio chiaro.

La caduta del terminale rispetto alla banchina è variabile in funzione della dimensione del telo.

Extruded aluminum bottom rail, 1.2 mm thick, powder-coated to match the color of the sunshade surface. Telescopic side caps available in black or light grey. The drop of the bottom rail relative to the window sill varies depending on the size of the entire venetian blind.

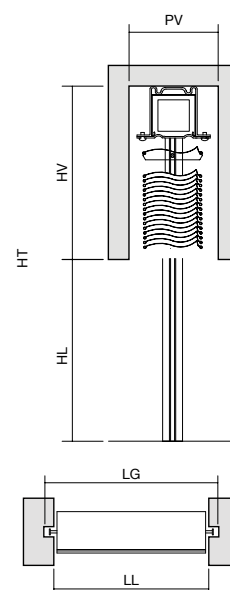
Il sistema con guide estruse

Extruded guides system

	LG min	LG max	HT min	HT max	Superficie max <i>Max surface</i>	PV
A motore <i>Motorized</i>	550mm	4500mm	600mm	5500mm	12,5m ²	120mm
Ad argano <i>Crank operated</i>	450mm*	4500mm	600mm	5500mm	12,5m ²	150mm

*Manovra obbligatoria a sinistra vista interna

*Mandatory left turn, internal view



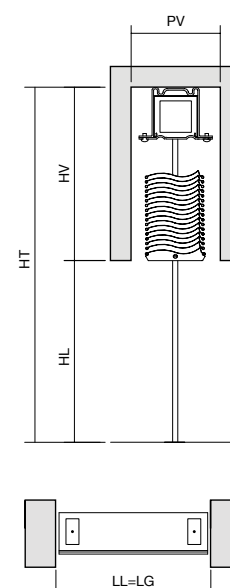
Il sistema con guide a cavo

Cabled guides system

	LG min	LG max	HT min	HT max	Superficie max <i>Max surface</i>	PV
A motore <i>Motorized</i>	600mm	4000mm	600mm	3000mm	9m ²	130mm
Ad argano <i>Crank operated</i>	550mm*	4000mm	600mm	3000mm	9m ²	150mm

*Manovra obbligatoria a sinistra vista interna

*Mandatory left turn, internal view



Calcolo posizione supporti canale di manovra

Positioning of head rail holders

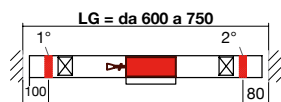
Legenda

Legend:



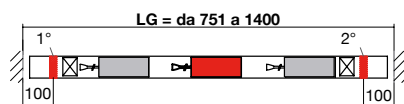
Movimentazione a motore*

Motorized movement version*



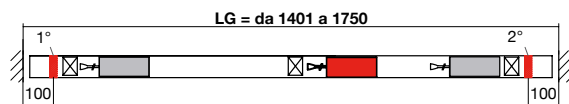
N°2 Supporti: 1° a 100mm da SX, 2° a 80mm da DX

N° 2 holders: 1st at 100 mm from left side, 2nd at 80 mm from right side



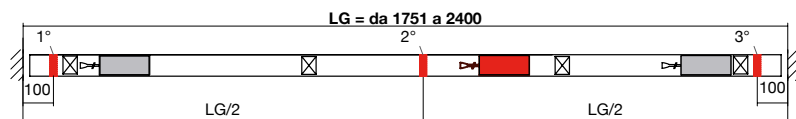
N°2 Supporti: 1° a 100mm da SX, 2° a 100mm da DX

N° 2 holders: 1st at 100 mm from left side, 2nd at 100 mm from right side



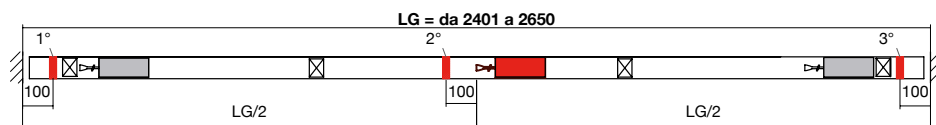
N°2 Supporti: 1° a 100mm da SX, 2° a 100mm da DX

N° 2 holders: 1st at 100 mm from left side, 2nd at 100 mm from right side



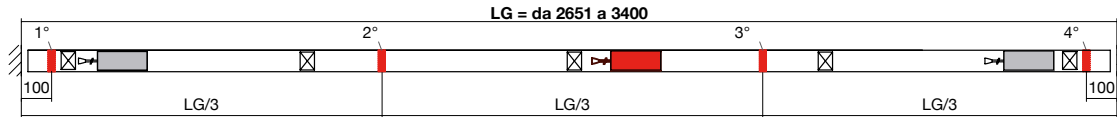
N°3 Supporti: 1° a 100mm da SX, 3° a 100mm da DX, il 2° al centro LG/2

N° 3 holders: 1st at 100 mm from left side, 3rd at 100 mm from right side, 2nd at the center LG/2



N°3 Supporti: 1° a 100mm da SX, 3° a 100mm da DX, il 2° 100mm a SX rispetto al centro LG/2

N° 3 holders: 1st at 100 mm from left side, 3rd at 100 mm from right side, 2nd 100 mm to the left of the center LG/2



N°4 Supporti: 1° a 100mm da SX, 4° a 100mm da DX, il 2° a un terzo della lunghezza LG/3 partendo da SX, il 3° a un terzo della lunghezza LG/3 partendo da DX

N° 4 holders: 1st at 100 mm from left side, 4th at 100 mm from right side, 2nd at 1/3 of the length (BK/3) starting from left, 3rd at 1/3 of the length (BK/3) starting from right



N°4 Supporti: 1° a 100mm da SX, 4° a 100mm da DX, il 2° a un terzo della lunghezza LG/3 da SX, il 3° a un terzo della lunghezza LG/3 da DX

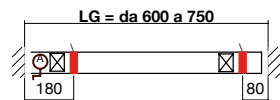
N° 4 holders: 1st at 100 mm from left side, 4th at 100 mm from right side, 2nd at 1/3 of the length (LG/3) from left, 3rd at 1/3 of the length (LG/3) from right

* Il motore può essere posizionato a SX, DC o a richiesta ma l'uscita del cavo motore è sempre a SX.
Si consiglia di predisporre l'uscita dei cavi a SX vista interna. Se non specificato il motore sarà posizionato al centro (indicato in rosso).

* The motor can be positioned on the left (L), right (R), or upon request, but the motor cable outlet is always on the left side.
It is recommended to arrange the cable exit on the left side when viewed from the inside. If not specified, the motor will be positioned in the center (shown in red).

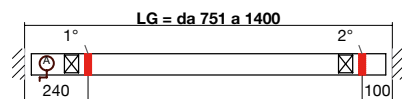
Movimentazione ad argano**

*Crank movement version***



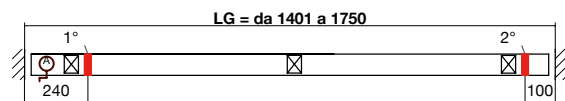
Con LG fino a 750mm manovra obbligatoria a SX. N°2 Supporti: 1° a 180mm da SX, 2° a 80mm da DX

With LG up to 750 mm, operation must be on the left side. N° 2 holders: 1st at 180 mm from left side, 2nd at 80 mm from right side



Con manovra a SX: N°2 Supporti: 1° a 240mm da SX, 2° a 100mm da DX

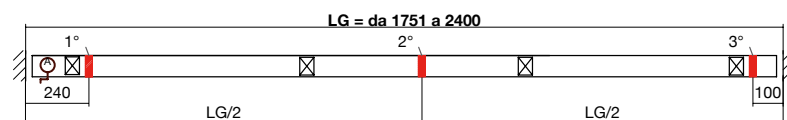
With operation on the left side: N° 2 holders: 1st at 240 mm from left side, 2nd at 100 mm from right side



Con manovra a SX:

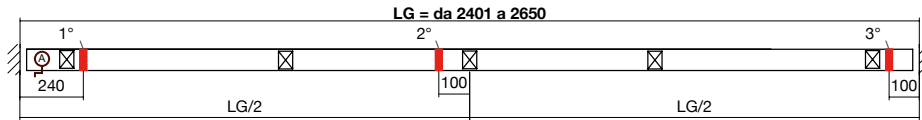
N°2 Supporti: 1° a 240mm da SX, 2° a 100mm da DX

With operation on the left side: N° 2 holders: 1st at 240 mm from left side, 2nd at 100 mm from right side



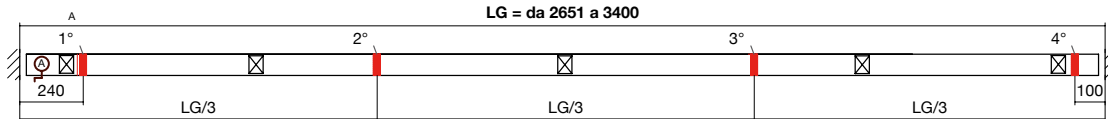
Con manovra a SX: N°3 Supporti: 1° a 240mm da SX, 3° a 100mm da DX, il 2° al centro LG/2

With operation on the left side: N° 3 holders: 1st at 240 mm from left side, 3rd at 100 mm from right side, 2nd in the center LG/2



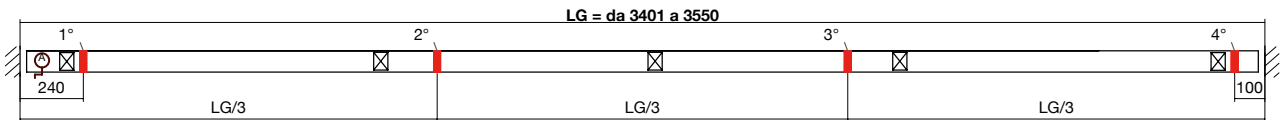
Con manovra a SX: N°3 Supporti: 1° a 240mm da SX, 3° a 100mm da DX, il 2° 100mm a SX rispetto al centro LG/2

With operation on the left side: N° 3 holders: 1st at 240 mm from left side, 3rd at 100 mm from right side, 2nd 100 mm to the left of the center LG/2



Con manovra a SX: N°4 supporti: 1° a 240mm da SX, 4° a 100mm da DX, il 2° a un terzo della lunghezza LG/3 partendo da SX, il 3° a un terzo della lunghezza LG/3 partendo da DX

With operation on the left side: N° 4 holders: 1st at 240 mm from left side, 4th at 100 mm from right side, 2nd at 1/3 of the length (LG/3) starting from left, 3rd at 1/3 of the length (LG/3) starting from right



Con manovra a SX: N°4 Supporti: 1° a 240mm da SX, 4° a 100mm da DX, il 2° a un terzo della lunghezza LG/3 da SX, il 3° a un terzo della lunghezza LG/3 da DX

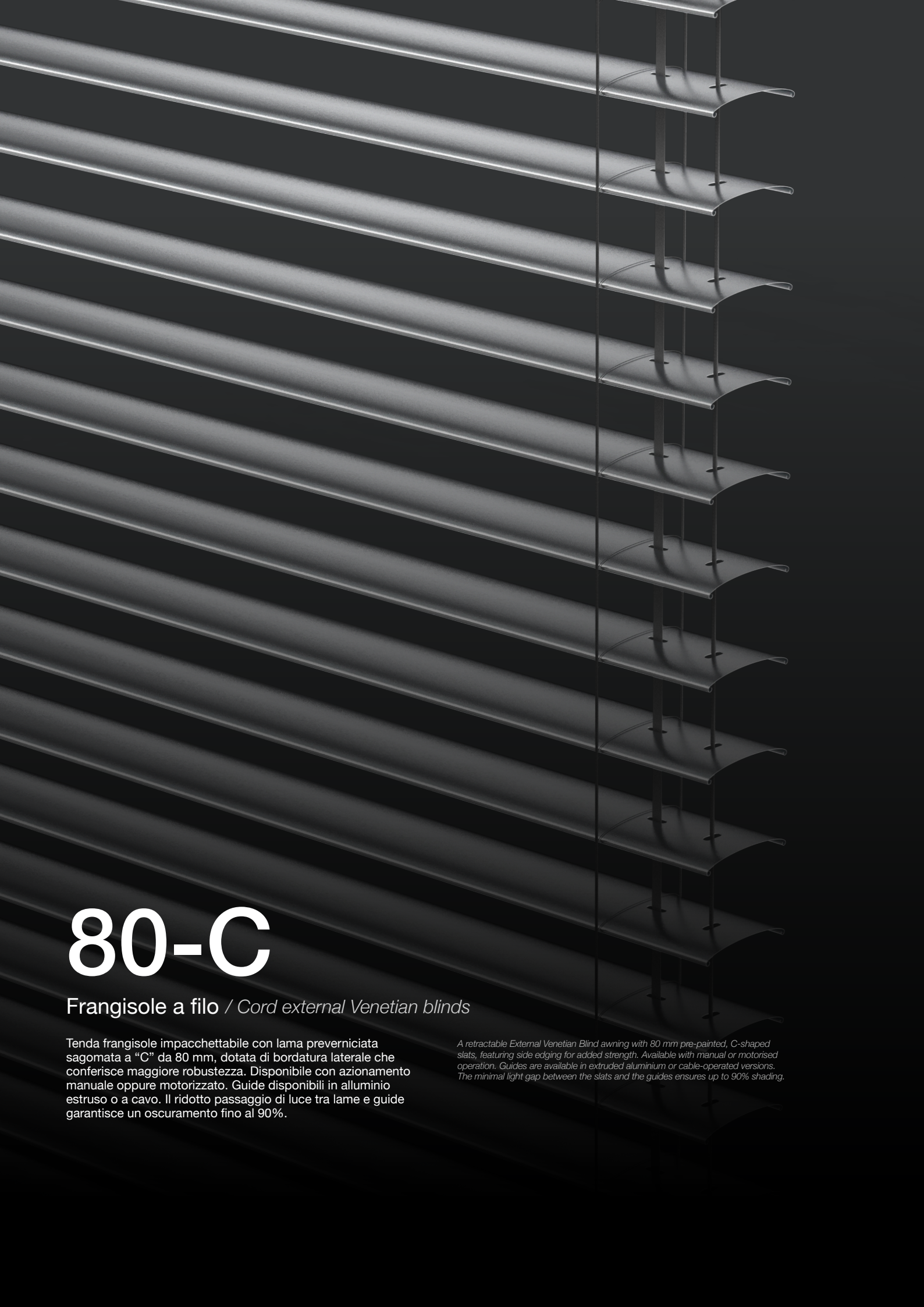
With operation on the left: N° 4 holders: 1st at 240 mm from left side, 4th at 100 mm from right side, 2nd considering LG/3 to the left side, 3rd considering LG/3 to the right

**** In tutti gli esempi, la manovra è posizionata a sinistra, vista interna.**

Qualora la manovra venga collocata a destra, la posizione del primo e dell'ultimo supporto sarà invertita: il primo sarà a 100mm da SX e l'ultimo a 250mm da DX.

**** In all examples, the control mechanism is positioned on the left when viewed from the inside.**

If the control is placed on the right, the positions of the first and last bracket will be reversed: the first will be 100 mm from the left side and the last 240 mm from the right side.



80-C

Frangisole a filo / *Cord external Venetian blinds*

Tenda frangisole impacchettabile con lama preverniciata sagomata a "C" da 80 mm, dotata di bordatura laterale che conferisce maggiore robustezza. Disponibile con azionamento manuale oppure motorizzato. Guide disponibili in alluminio estruso o a cavo. Il ridotto passaggio di luce tra lame e guide garantisce un oscuramento fino al 90%.

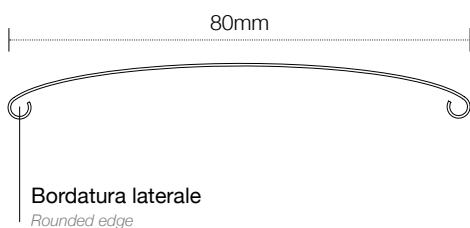
A retractable External Venetian Blind awning with 80 mm pre-painted, C-shaped slats, featuring side edging for added strength. Available with manual or motorised operation. Guides are available in extruded aluminium or cable-operated versions. The minimal light gap between the slats and the guides ensures up to 90% shading.

Specifiche tecniche / *Technical specifications*

Spessore lama <i>Slat thickness</i>	0,48 mm
Larghezza massima <i>Maximum length</i>	4500 mm
Altezza massima <i>Maximum height</i>	4800 mm

Guide <i>Guides</i>	In alluminio estruso <i>In extruded aluminium</i>	A cavo <i>Cabled</i>
Movimentazione <i>Operation</i>	A motore <i>Motorized</i>	
	Ad argano diretta <i>Direct crank gear operations</i>	
	Ad argano rinviata <i>Indirect crank gear operations</i>	

Sezione lama / *Slat section*



Optional

La frangisole 80-C è disponibile con i seguenti optional:
80-C External Venetian Blinds are compatible with the following optional:

Kit guide autoportanti <i>Self-supporting guides kit</i>	Trattamento seaside <i>Shore Kit</i>
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Velette
Front cover panels

Finiture / *Finishes*

RAL9010 <i>Bianco puro</i>	RAL1013 <i>Bianco perla</i>	RAL7016 <i>Grigio antracite</i>	RAL7035 <i>Grigio luce</i>	RAL6009 <i>Verde abete</i>	RAL6005 <i>Verde muschio</i>
RAL9006 <i>Alluminio brillante</i>	RAL9007 <i>Alluminio giallastro</i>	RAL8019 <i>Marrone giallastro</i>	RAL8017 <i>Marrone cioccolato</i>	RAL7022 <i>Grigio ombra</i>	

Consulta la pagina 94 per la lista colori disponibili
See page 94 for the full colour range

Resistenza al carico del vento / *Wind Load Resistance*

Configurazione sistema <i>System configuration</i>	Norma di prova <i>Test Regulation</i>	Norma di classificazione <i>Regulatory classification</i>	Km/h	Classe <i>Class</i>
80-C con guide estruse	UNI EN 1932	UNI EN 13659	60	4
80-C con guide a cavo	UNI EN 1932	UNI EN 13659	60	4

Tenda sottoposta a prova con dimensioni 2000 mm. Il valore massimo assegnato alla resistenza al carico del vento è 6.

Note

Il trattamento Seaside è un rivestimento speciale per le lamelle, pensato per aumentare la resistenza del sistema negli ambienti esposti alla salsedine.
I modelli di velette sono consultabili a pagina 92.

Notes

The Seaside treatment is a special coating for the slats, designed to increase the system's durability in environments exposed to sea air.
On page 92, you can view the available front cover panels.

Il sistema / The system

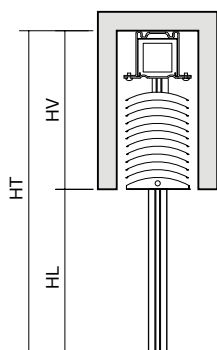
Ingombro

Dimensions



Disponibile solo con
sistema a guide estruse

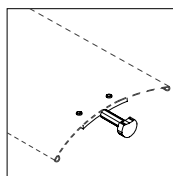
Extruded guides system only



HV	HT (mm)		HL (mm)	
	min	max	min	max
185	600	1227	415	1037
190	1228	1371	1038	1176
195	1372	1443	1177	1243
200	1444	1515	1244	1310
205	1516	1587	1311	1377
210	1588	1659	1378	1444
215	1660	1731	1445	1511
220	1732	1803	1512	1578
225	1804	1875	1579	1645
230	1876	1947	1646	1712
235	1948	2091	1713	1851
240	2092	2163	1852	1918
245	2164	2235	1919	1985
250	2236	2307	1986	2052
255	2308	2379	2053	2119
260	2380	2451	2120	2186
265	2452	2523	2187	2253
270	2524	2595	2254	2320
275	2596	2667	2321	2387
280	2668	2811	2388	2526
285	2812	2883	2527	2593
290	2884	2955	2594	2660
295	2956	3027	2661	2727
300	3028	3099	2728	2794
305	3100	3171	2795	2861
310	3172	3243	2862	2928
315	3244	3315	2929	2995
320	3316	3459	2996	3134
325	3460	3531	3135	3201
330	3532	3603	3202	3268
335	3604	3675	3269	3335
340	3676	3747	3336	3402
345	3748	3819	3403	3469
350	3820	3891	3470	3536
355	3892	3963	3537	3603
360	3964	4035	3604	3670
365	4036	4107	3671	3737
370	4108	4251	3738	3876
375	4252	4323	3877	3943
380	4324	4395	3944	4010
385	4396	4467	4011	4077
390	4468	4539	4078	4144
395	4540	4611	4145	4211
400	4612	4683	4212	4278
405	4684	4755	4279	4345
410	4756	4800	4346	4390

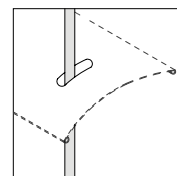
Sistema di aggancio

Attachment system



Lama con piolo in zama
per guida estrusa

Slat with zamak pin for extruded guide

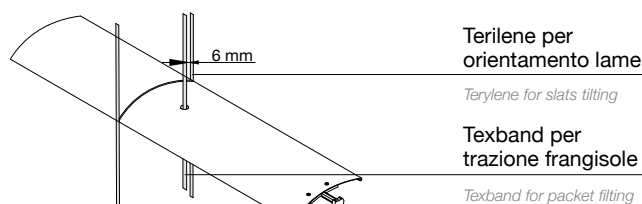


Lama con foro
per guida a cavo

Slat with hole for cable guide

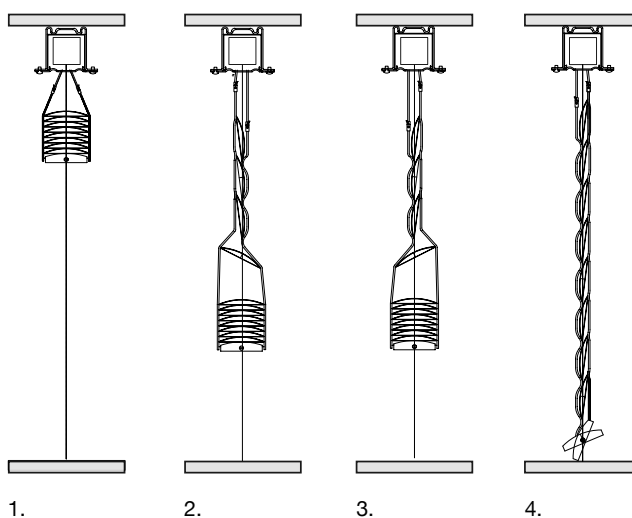
Trazione

Tilting system



Apertura e orientamento

Opening and orientation system



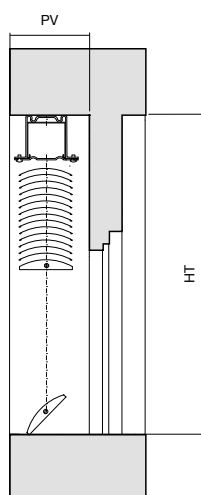
1. Posizione di fine corsa alto
2. Posizione lame in salita
3. Posizione lame in discesa
4. Posizione di fine corsa basso

1. Upper end-of-stroke position
2. Slats up position
3. Slats down position
4. Lower end-of-stroke position

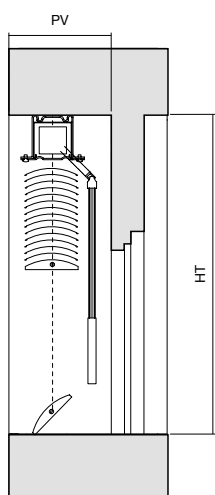
Configurazioni

System configurations

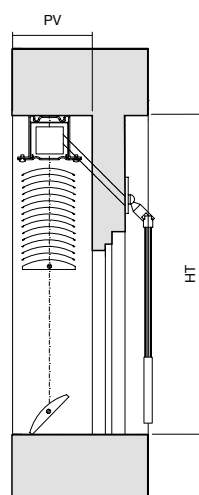
Configurazione a motore
Motorized version



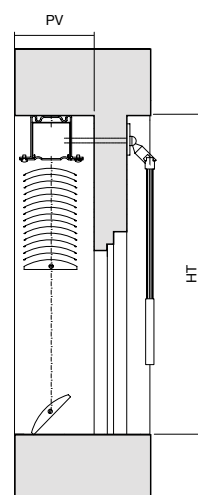
Configurazione ad argano diretta
Direct crank gear operations version



Configurazione ad argano rinvata a 45°
Indirect crank gear operations at 45°

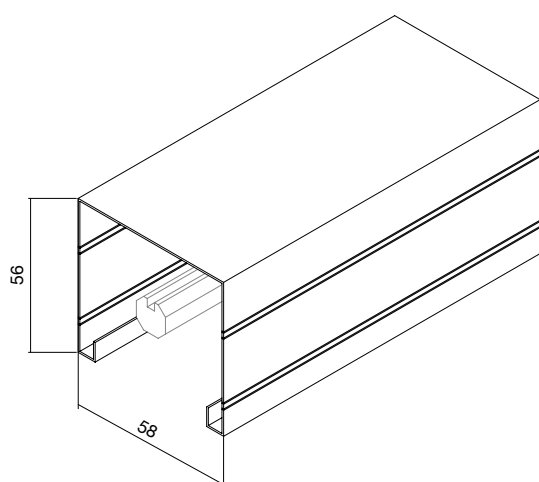


Configurazione ad argano rinvata a 90°
Indirect crank gear operations at 90°



Canale di manovra

Operating channel

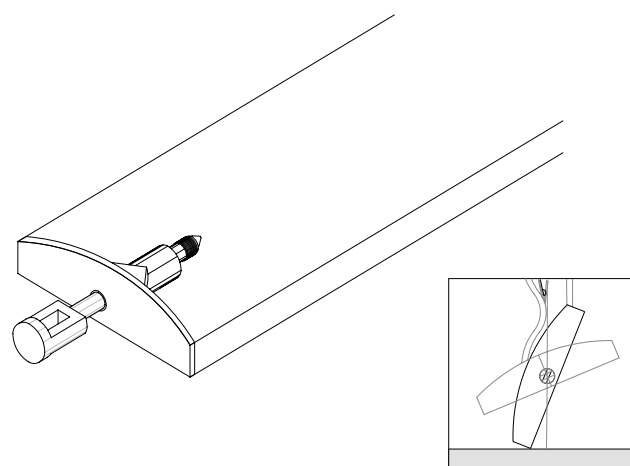


Canale di manovra 56x58 mm in acciaio di spessore 0,6 mm. Disponibile con finitura zincata o verniciato.

Operating channel 56x58 mm made of 0.6 mm thick steel. Available in galvanized or painted finish.

Terminale

Bottom rail



Terminale in alluminio estruso di spessore 1,2 mm, verniciato in tinta. Tappi laterali telescopici disponibili in nero o grigio chiaro.

La caduta del terminale rispetto alla banchina è variabile in funzione della dimensione del telo.

Extruded aluminum bottom rail, 1.3 mm thick, powder-coated to match the color of the sunshade surface. Telescopic side caps available in black or light grey. The drop of the bottom rail relative to the window sill varies depending on the size of the entire venetian blind.

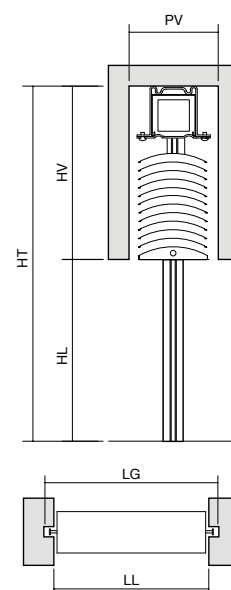
Il sistema con guide estruse

Extruded guides system

	LG min	LG max	HT min	HT max	Superficie max Max surface	PV
A motore <i>Motorized</i>	550mm	4500mm	600mm	4800mm	12,5m ²	120mm
Ad argano <i>Crank operated</i>	450mm*	4500mm	600mm	4800mm	12,5m ²	140mm

*Manovra obbligatoria a sinistra vista interna

*Mandatory left turn, internal view



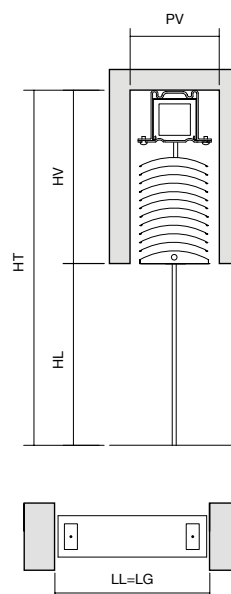
Il sistema con guide a cavo

Cabled guides system

	LG min	LG max	HT min	HT max	Superficie max Max surface	PV
A motore <i>Motorized</i>	600mm	4000mm	600mm	3000mm	9m ²	120mm
Ad argano <i>Crank operated</i>	550mm*	4000mm	600mm	3000mm	9m ²	140mm

*Manovra obbligatoria a sinistra vista interna

*Mandatory left turn, internal view



Calcolo posizione supporti canale di manovra

Positioning of head rail holders

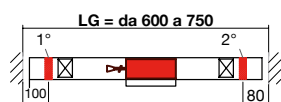
Legenda

Legend:



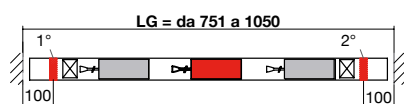
Movimentazione a motore*

Motorized movement version*



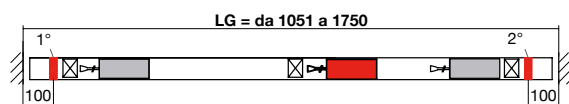
N°2 Supporti: 1° a 100mm da SX, 2° a 80mm da DX

N° 2 holders: 1st at 100 mm from left side, 2nd at 80 mm from right side



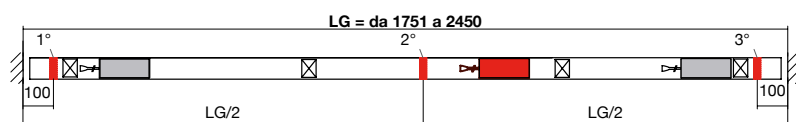
N°2 Supporti: 1° a 100mm da SX, 2° a 100mm da DX

N° 2 holders: 1st at 100 mm from left side, 2nd at 100 mm from right side



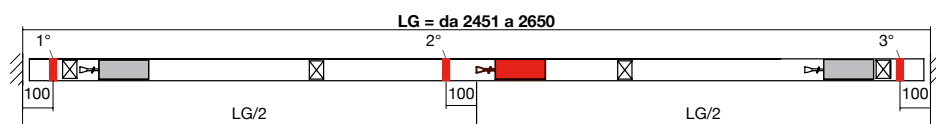
N°2 Supporti: 1° a 100mm da SX, 2° a 100mm da DX

N° 2 holders: 1st at 100 mm from left side, 2nd at 100 mm from right side



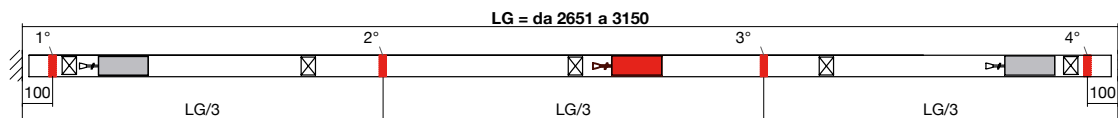
N°3 Supporti: 1° a 100mm da SX, 3° a 100mm da DX, il 2° al centro LG/2

N° 3 holders: 1st at 100 mm from left side, 3rd at 100 mm from right side, 2nd at the center LG/2



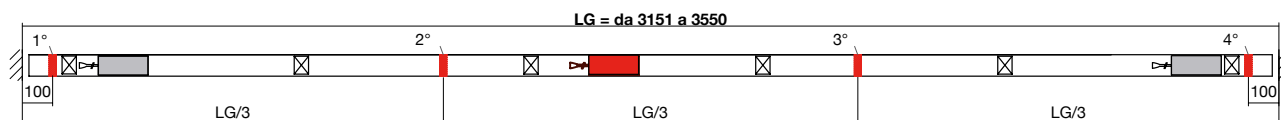
N°3 Supporti: 1° a 100mm da SX, 3° a 100mm da DX, il 2° 100mm a SX rispetto al centro LG/2

N° 3 holders: 1st at 100 mm from left side, 3rd at 100 mm from right side, 2nd 100 mm to the left of the center LG/2



N°4 Supporti: 1° a 100mm da SX, 4° a 100mm da DX,
il 2° a un terzo della lunghezza LG/3 partendo da SX, il 3° a un terzo della lunghezza LG/3 partendo da DX

N° 4 holders: 1st at 100 mm from left side, 4th at 100 mm from right side, 2nd at 1/3 of the length (BK/3) starting from left,
3rd at 1/3 of the length (BK/3) starting from right



N°4 Supporti: 1° a 100mm da SX, 4° a 100mm da DX, il 2° a un terzo della lunghezza LG/3 da SX, il 3° a un terzo della lunghezza LG/3 da DX

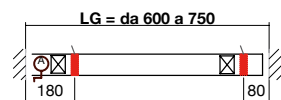
N° 4 holders: 1st at 100 mm from left side, 4th at 100 mm from right side, 2nd at 1/3 of the length (LG/3) from left, 3rd at 1/3 of the length (LG/3) from right

* Il motore può essere posizionato a SX, DC o a richiesta ma l'uscita del cavo motore è sempre a SX.
Si consiglia di predisporre l'uscita dei cavi a SX vista interna. Se non specificato il motore sarà posizionato al centro (indicato in rosso).

* The motor can be positioned on the left (L), right (R), or upon request, but the motor cable outlet is always on the left side.
It is recommended to arrange the cable exit on the left side when viewed from the inside. If not specified, the motor will be positioned in the center (shown in red).

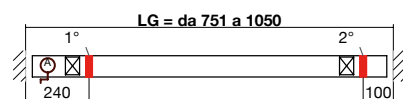
Movimentazione ad argano**

*Crank movement version***



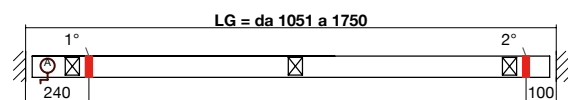
Con LG fino a 750mm manovra obbligatoria a SX. N°2 Supporti: 1° a 180mm da SX, 2° a 80mm da DX

With LG up to 750 mm, operation must be on the left side. N° 2 holders: 1st at 180 mm from left side, 2nd at 80 mm from right side



Con manovra a SX: N°2 Supporti: 1° a 240mm da SX, 2° a 100mm da DX

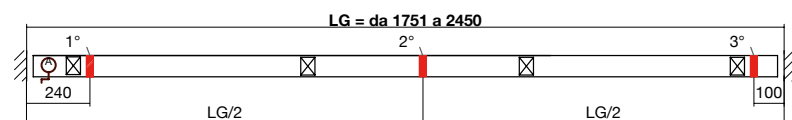
With operation on the left side: N° 2 holders: 1st at 240 mm from left side, 2nd at 100 mm from right side



Con manovra a SX:

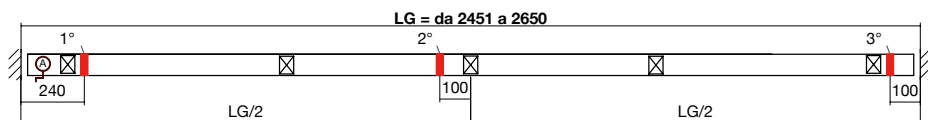
N°2 Supporti: 1° a 240mm da SX, 2° a 100mm da DX

With operation on the left side: N° 2 holders: 1st at 240 mm from left side, 2nd at 100 mm from right side



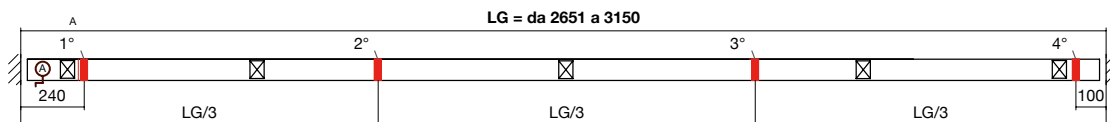
Con manovra a SX: N°3 Supporti: 1° a 240mm da SX, 3° a 100mm da DX, il 2° al centro LG/2

With operation on the left side: N° 3 holders: 1st at 240 mm from left side, 3rd at 100 mm from right side, 2nd in the center LG/2



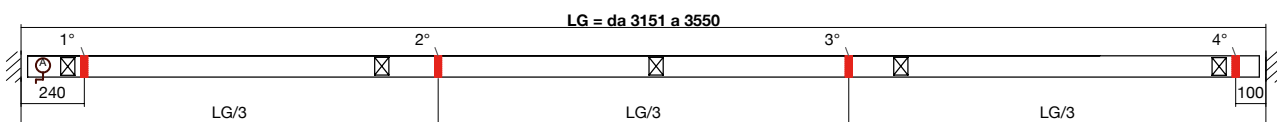
Con manovra a SX: N°3 Supporti: 1° a 240mm da SX, 3° a 100mm da DX, il 2° 100mm a SX rispetto al centro LG/2

With operation on the left side: N° 3 holders: 1st at 240 mm from left side, 3rd at 100 mm from right side, 2nd 100 mm to the left of the center LG/2



Con manovra a SX: N°4 supporti: 1° a 240mm da SX, 4° a 100mm da DX, il 2° a un terzo della lunghezza LG/3 partendo da SX, il 3° a un terzo della lunghezza LG/3 partendo da DX

With operation on the left side: N° 4 holders: 1st at 240 mm from left side, 4th at 100 mm from right side, 2nd at 1/3 of the length (LG/3) starting from left, 3rd at 1/3 of the length (LG/3) starting from right



Con manovra a SX: N°4 Supporti: 1° a 240mm da SX, 4° a 100mm da DX, il 2° a un terzo della lunghezza LG/3 da SX, il 3° a un terzo della lunghezza LG/3 da DX

With operation on the left: N° 4 holders: 1st at 240 mm from left side, 4th at 100 mm from right side, 2nd considering LG/3 to the left side, 3rd considering LG/3 to the right

**** In tutti gli esempi, la manovra è posizionata a sinistra, vista interna.**

Qualora la manovra venga collocata a destra, la posizione del primo e dell'ultimo supporto sarà invertita: il primo sarà a 100mm da SX e l'ultimo a 250mm da DX.

**** In all examples, the control mechanism is positioned on the left when viewed from the inside.**

If the control is placed on the right, the positions of the first and last bracket will be reversed: the first will be 100 mm from the left side and the last 240 mm from the right side.

65-C

Frangisole a filo / *Cord external Venetian blinds*

Tenda frangisole impacchettabile con lama preverniciata sagomata a "C" da 65 mm, dotata di bordatura laterale che conferisce maggiore robustezza. Disponibile con azionamento manuale oppure motorizzato. Guide disponibili in alluminio estruso o a cavo. Il ridotto passaggio di luce tra lame e guide garantisce un oscuramento fino al 90%.

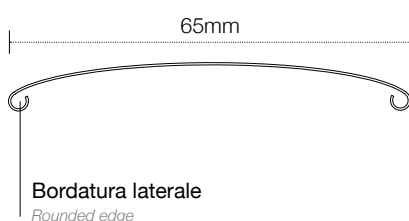
A retractable External Venetian Blind awning with 65 mm pre-painted, C-shaped slats, featuring side edging for added strength. Available with manual or motorised operation. Guides are available in extruded aluminium or cable-operated versions. The minimal light gap between the slats and the guides ensures up to 90% shading.

Specifiche tecniche / *Technical specifications*

Spessore lama <i>Slat thickness</i>	0,48 mm
Larghezza massima <i>Maximum length</i>	3500 mm
Altezza massima <i>Maximum height</i>	3000 mm

Guide <i>Guides</i>	In alluminio estruso <i>In extruded aluminium</i>	A cavo <i>Cabled</i>
Movimentazione <i>Operation</i>	A motore <i>Motorized</i>	
	Ad argano diretta <i>Direct crank gear operations</i>	
	Ad argano rinviata <i>Indirect crank gear operations</i>	

Sezione lama / *Slat section*



Optional

La frangisole 65-C è disponibile con i seguenti optional:
65-C External Venetian Blinds are compatible with the following optional:

Kit guide autoportanti <i>Self-supporting guides kit</i>	Trattamento seaside <i>Shore Kit</i>
---	---

Velette
Front cover panels

Finiture / *Finiture*

RAL9010 <i>Bianco puro</i>	RAL1013 <i>Bianco perla</i>	RAL7016 <i>Grigio antracite</i>	RAL6021 <i>Verde pallido</i>	RAL6005 <i>Verde muschio</i>	RAL8017 <i>Marrone cioccolato</i>
RAL7035 <i>Grigio luce</i>	RAL9006 <i>Alluminio brillante</i>	RAL9007 <i>Alluminio giallastro</i>	Consulta la pagina 94 per la lista colori disponibili <i>See page 94 for the full colour range</i>		

Resistenza al carico del vento / *Wind Load Resistance*

Configurazione sistema <i>System configuration</i>	Norma di prova <i>Test Regulation</i>	Norma di classificazione <i>Regulatory classification</i>	Km/h	Classe <i>Class</i>
65-C con guide estruse	UNI EN 1932	UNI EN 13659	76	5
65-C con guide a cavo	UNI EN 1932	UNI EN 13659	38	2

Tenda sottoposta a prova con dimensioni 2000 mm. Il valore massimo assegnato alla resistenza al carico del vento è 6.

Note

Il trattamento Seaside è un rivestimento speciale per le lamelle, pensato per aumentare la resistenza del sistema negli ambienti esposti alla salsedine.
I modelli di velette sono consultabili a pagina 92.

Notes

The Seaside treatment is a special coating for the slats, designed to increase the system's durability in environments exposed to sea air.
On page 92, you can view the available front cover panels.

Il sistema / The system

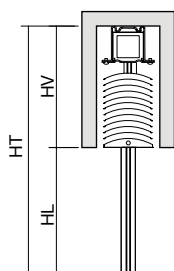
Ingombro

Dimensions

*

Disponibile solo con
sistema a guide estruse

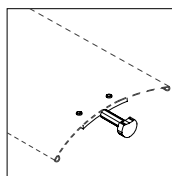
Extruded guides system only



HV	HT (mm)		HL (mm)	
	min	max	min	max
180	600	1203	420	1018
185	1204	1256	1019	1066
190	1257	1362	1067	1167
195	1363	1415	1168	1215
200	1416	1468	1216	1263
205	1469	1574	1264	1364
210	1575	1627	1365	1412
215	1628	1733	1413	1513
220	1734	1786	1514	1561
225	1787	1892	1562	1662
230	1893	1945	1663	1710
235	1946	1998	1711	1758
240	1999	2104	1759	1859
245	2105	2157	1860	1907
250	2158	2263	1908	2008
255	2264	2316	2009	2056
260	2317	2422	2057	2157
265	2423	2475	2158	2205
270	2476	2528	2206	2253
275	2529	2634	2254	2354
280	2635	2687	2355	2402
285	2688	2793	2403	2503
290	2794	2846	2504	2551
295	2847	2952	2552	2652
300	2953	3005	2653	2700
305	3006	3058	2701	2748
310	3059	3164	2749	2849
315	3165	3217	2850	2897
320	3218	3323	2898	2998
325	3324	3376	2999	3046
330	3377	3482	3047	3147
335	3483	3535	3148	3195
340	3536	3588	3196	3243
345	3589	3694	3244	3344
350	3695	3747	3345	3392
355	3748	3853	3393	3493
360	3854	3906	3494	3541
365	3907	4012	3542	3642
370	4013	4065	3643	3690
375	4066	4118	3691	3738
380	4119	4224	3739	3839
385	4225	4277	3840	3887
390	4278	4383	3888	3988
395	4384	4436	3989	4036
400	4437	4542	4037	4137
405	4543	4595	4138	4185
410	4596	4648	4186	4233
415	4649	4754	4234	4334
420	4755	4800	4335	4380

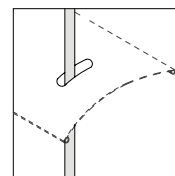
Sistema di aggancio

Attachment system



Lama con piolo in zama
per guida estrusa

Slat with zamak pin for extruded guide

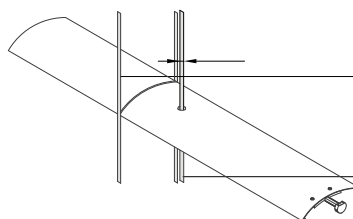


Lama con foro
per guida a cavo

Slat with hole for cable guide

Trazione

Tilting system



Terilene per
orientamento lame

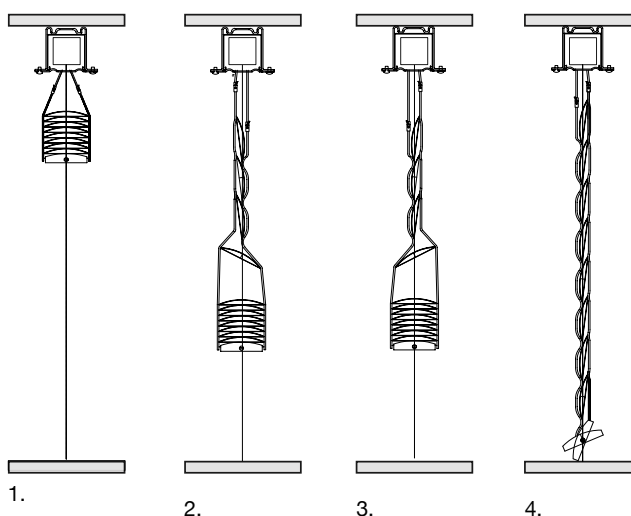
Terylene for slats tilting

Texband per
trazione frangisole

Texband for packet tilting

Apertura e orientamento

Opening and orientation system



1. Posizione di fine corsa alto
2. Posizione lame in salita
3. Posizione lame in discesa
4. Posizione di fine corsa basso

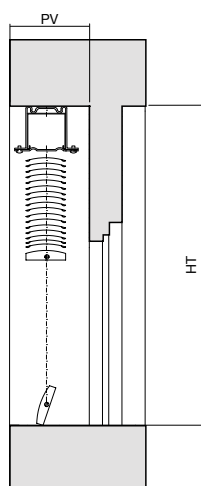
1. Upper end-of-stroke position
2. Slats up position
3. Slats down position
4. Lower end-of-stroke position

Configurazioni

System configurations

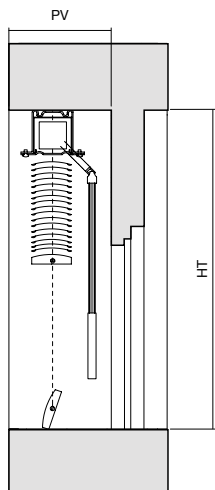
Configurazione a motore

Motorized version



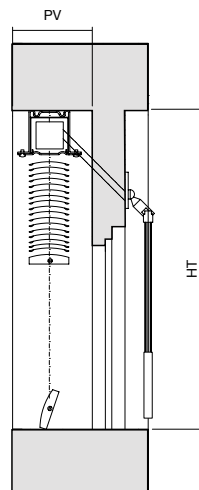
Configurazione ad argano diretta

Direct crank gear operations version



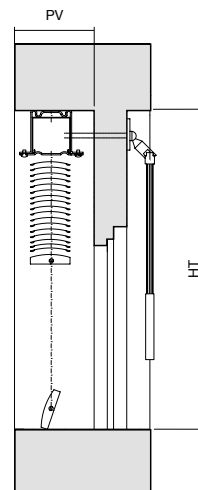
Configurazione ad argano rinvata a 45°

Indirect crank gear operations at 45°



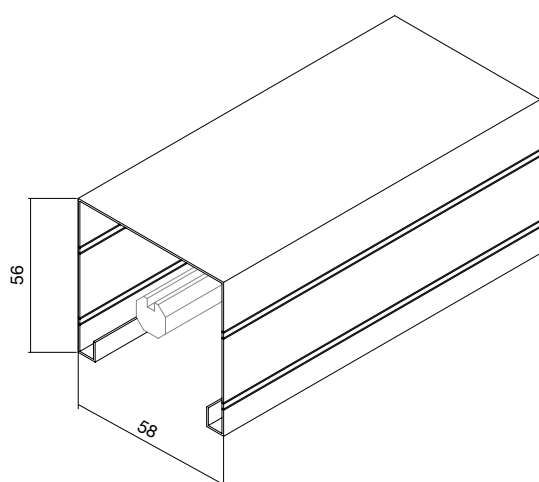
Configurazione ad argano rinvata a 90°

Indirect crank gear operations at 90°



Canale di manovra

Operating channel

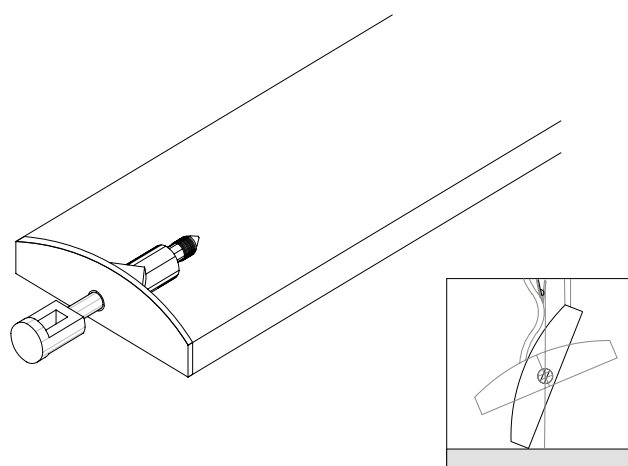


Canale di manovra 56x58mm in acciaio di spessore 0,6mm. Disponibile con finitura zincata o verniciato.

Operating channel 56x58 mm made of 0.6 mm thick steel. Available in galvanized or painted finish.

Terminale

Bottom rail



Terminale in alluminio estruso di spessore 1,2mm, verniciato in tinta. Tappi laterali telescopici disponibili in nero o grigio chiaro.

La caduta del terminale rispetto alla banchina è variabile in funzione della dimensione del telo.

Extruded aluminum bottom rail, 1.3 mm thick, powder-coated to match the color of the sunshade surface. Telescopic side caps available in black or light grey. The drop of the bottom rail relative to the window sill varies depending on the size of the entire venetian blind.

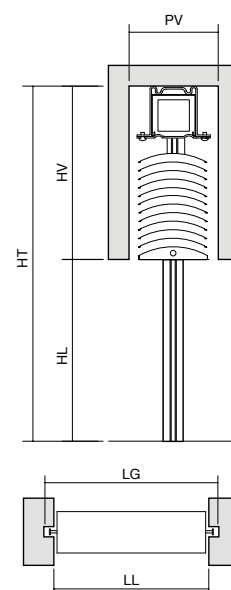
Il sistema con guide estruse

Extruded guides system

	LG min	LG max	HT min	HT max	Superficie max <i>Max surface</i>	PV
A motore <i>Motorized</i>	550mm	4500mm	600mm	4800mm	12,5m ²	105mm
Ad argano <i>Crank operated</i>	450mm*	4500mm	600mm	4800mm	12,5m ²	125mm

*Manovra obbligatoria a sinistra vista interna

*Mandatory left turn, internal view



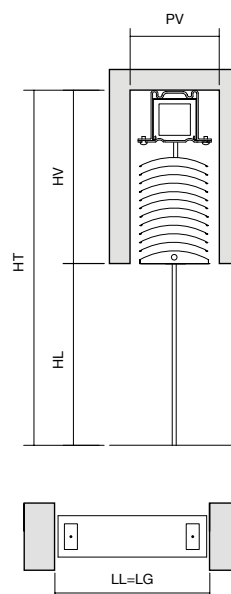
Il sistema con guide a cavo

Cabled guides system

	LG min	LG max	HT min	HT max	Superficie max <i>Max surface</i>	PV
A motore <i>Motorized</i>	600mm	3500mm	600mm	3000mm	9m ²	105mm
Ad argano <i>Crank operated</i>	550mm*	3500mm	600mm	3000mm	9m ²	125mm

*Manovra obbligatoria a sinistra vista interna

*Mandatory left turn, internal view



Calcolo posizione supporti canale di manovra

Positioning of head rail holders

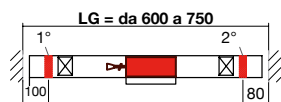
Legenda

Legend:



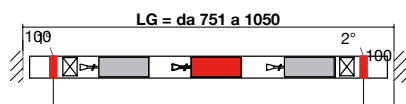
Movimentazione a motore*

Motorized movement version*



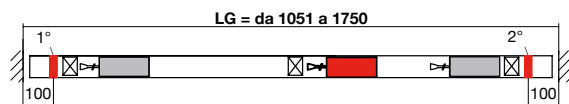
N°2 Supporti: 1° a 100mm da SX, 2° a 80mm da DX

N° 2 holders: 1st at 100 mm from left side, 2nd at 80 mm from right side



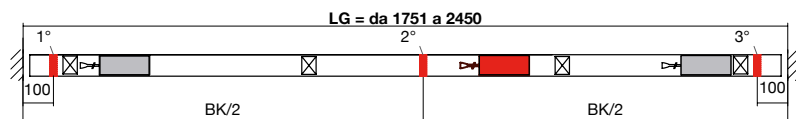
N°2 Supporti: 1° a 100mm da SX, 2° a 100mm da DX

N° 2 holders: 1st at 100 mm from left side, 2nd at 100 mm from right side



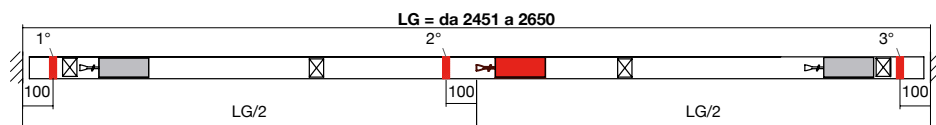
N°2 Supporti: 1° a 100mm da SX, 2° a 100mm da DX

N° 2 holders: 1st at 100 mm from left side, 2nd at 100 mm from right side



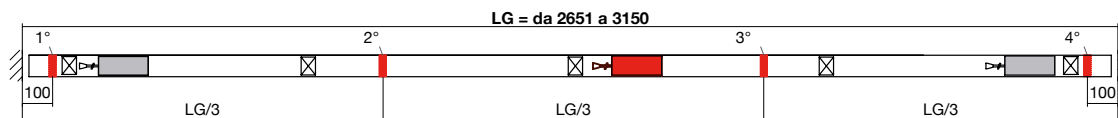
N°3 Supporti: 1° a 100mm da SX, 3° a 100mm da DX, il 2° al centro LG/2

N° 3 holders: 1st at 100 mm from left side, 3rd at 100 mm from right side, 2nd at the center LG/2



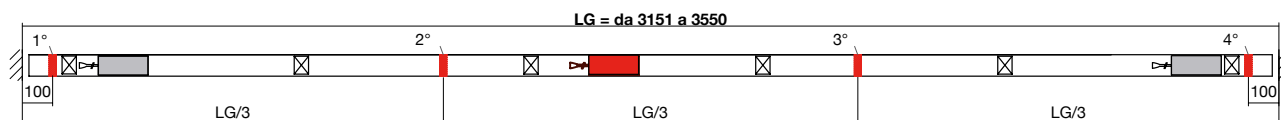
N°3 Supporti: 1° a 100mm da SX, 3° a 100mm da DX, il 2° 100mm a SX rispetto al centro LG/2

N° 3 holders: 1st at 100 mm from left side, 3rd at 100 mm from right side, 2nd 100 mm to the left of the center LG/2



N°4 Supporti: 1° a 100mm da SX, 4° a 100mm da DX, il 2° a un terzo della lunghezza LG/3 partendo da SX, il 3° a un terzo della lunghezza LG/3 partendo da DX

N° 4 holders: 1st at 100 mm from left side, 4th at 100 mm from right side, 2nd at 1/3 of the length (BK/3) starting from left, 3rd at 1/3 of the length (BK/3) starting from right



N°4 Supporti: 1° a 100mm da SX, 4° a 100mm da DX, il 2° a un terzo della lunghezza LG/3 da SX, il 3° a un terzo della lunghezza LG/3 da DX

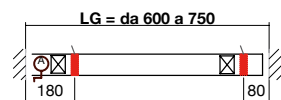
N° 4 holders: 1st at 100 mm from left side, 4th at 100 mm from right side, 2nd at 1/3 of the length (LG/3) from left, 3rd at 1/3 of the length (LG/3) from right

* Il motore può essere posizionato a SX, DC o a richiesta ma l'uscita del cavo motore è sempre a SX.
Si consiglia di predisporre l'uscita dei cavi a SX vista interna. Se non specificato il motore sarà posizionato al centro (indicato in rosso).

* The motor can be positioned on the left (L), right (R), or upon request, but the motor cable outlet is always on the left side.
It is recommended to arrange the cable exit on the left side when viewed from the inside. If not specified, the motor will be positioned in the center (shown in red).

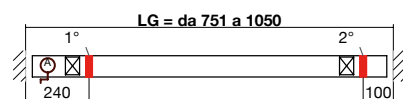
Movimentazione ad argano**

*Crank movement version***



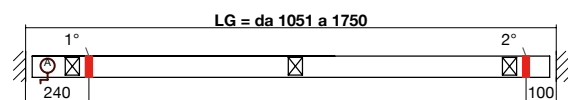
Con LG fino a 750mm manovra obbligatoria a SX. N°2 Supporti: 1° a 180mm da SX, 2° a 80mm da DX

With LG up to 750 mm, operation must be on the left side. N° 2 holders: 1st at 180 mm from left side, 2nd at 80 mm from right side



Con manovra a SX: N°2 Supporti: 1° a 240mm da SX, 2° a 100mm da DX

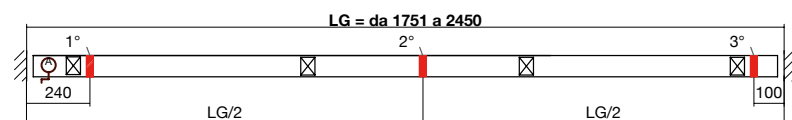
With operation on the left side: N° 2 holders: 1st at 240 mm from left side, 2nd at 100 mm from right side



Con manovra a SX:

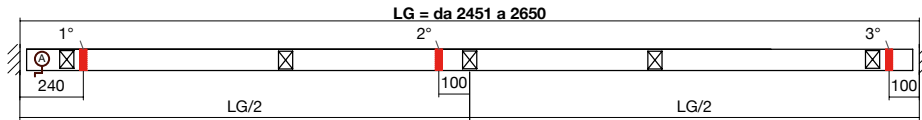
N°2 Supporti: 1° a 240mm da SX, 2° a 100mm da DX

With operation on the left side: N° 2 holders: 1st at 240 mm from left side, 2nd at 100 mm from right side



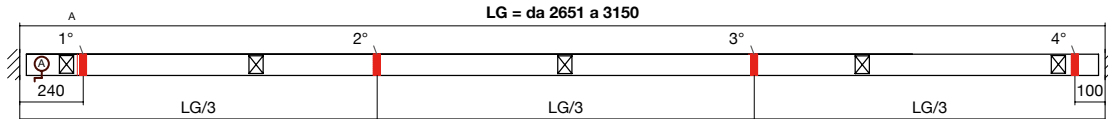
Con manovra a SX: N°3 Supporti: 1° a 240mm da SX, 3° a 100mm da DX, il 2° al centro LG/2

With operation on the left side: N° 3 holders: 1st at 240 mm from left side, 3rd at 100 mm from right side, 2nd in the center LG/2



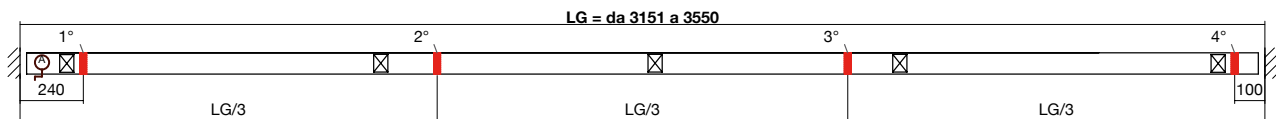
Con manovra a SX: N°3 Supporti: 1° a 240mm da SX, 3° a 100mm da DX, il 2° 100mm a SX rispetto al centro LG/2

With operation on the left side: N° 3 holders: 1st at 240 mm from left side, 3rd at 100 mm from right side, 2nd 100 mm to the left of the center LG/2



Con manovra a SX: N°4 supporti: 1° a 240mm da SX, 4° a 100mm da DX, il 2° a un terzo della lunghezza LG/3 partendo da SX, il 3° a un terzo della lunghezza LG/3 partendo da DX

With operation on the left side: N° 4 holders: 1st at 240 mm from left side, 4th at 100 mm from right side, 2nd at 1/3 of the length (LG/3) starting from left, 3rd at 1/3 of the length (LG/3) starting from right



Con manovra a SX: N°4 Supporti: 1° a 240mm da SX, 4° a 100mm da DX, il 2° a un terzo della lunghezza LG/3 da SX, il 3° a un terzo della lunghezza LG/3 da DX

With operation on the left: N° 4 holders: 1st at 240 mm from left side, 4th at 100 mm from right side, 2nd considering LG/3 to the left side, 3rd considering LG/3 to the right

**** In tutti gli esempi, la manovra è posizionata a sinistra, vista interna.**

Qualora la manovra venga collocata a destra, la posizione del primo e dell'ultimo supporto sarà invertita: il primo sarà a 100mm da SX e l'ultimo a 250mm da DX.

**** In all examples, the control mechanism is positioned on the left when viewed from the inside.**

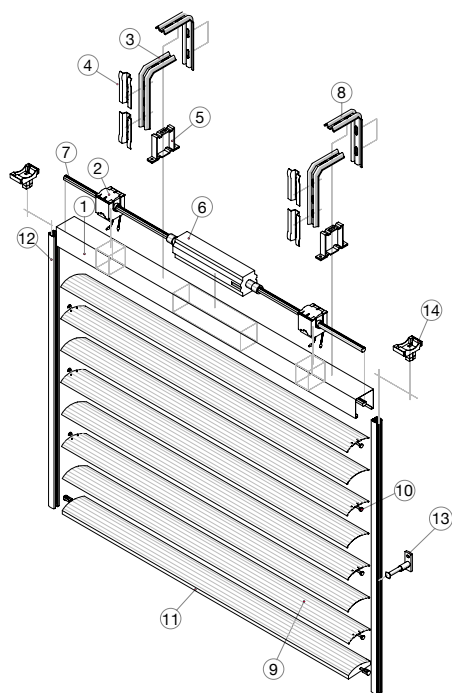
If the control is placed on the right, the positions of the first and last bracket will be reversed: the first will be 100 mm from the left side and the last 240 mm from the right side.

Componenti frangisole a filo

Cable External Venetian Blinds Components

Viste in esploso

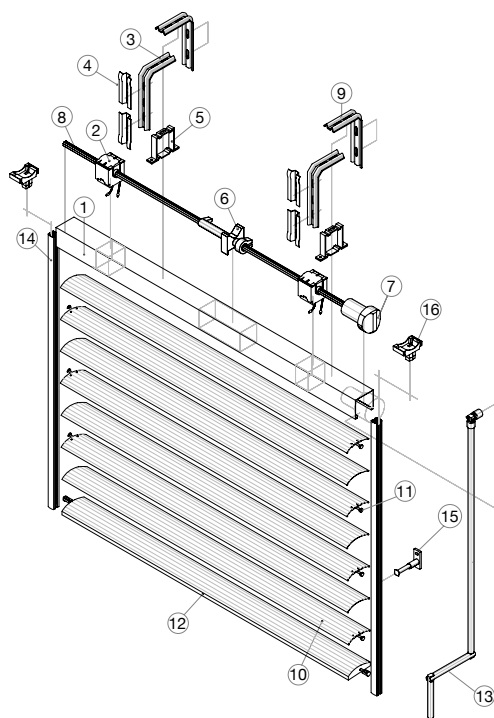
Exploded views



Modelli con guide estruse - a motore

65-C extruded side guides - motor version

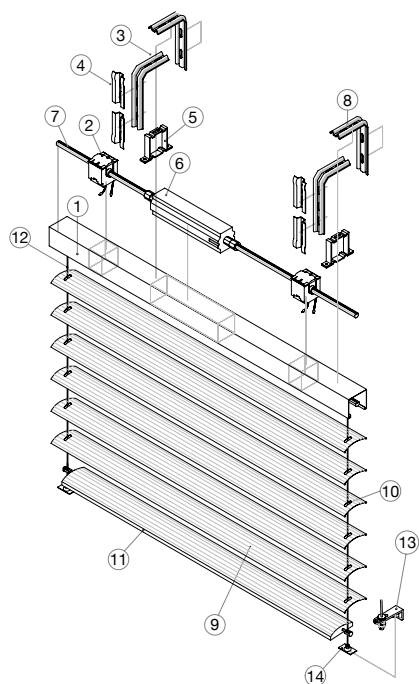
- | | |
|--|---|
| 1. Canale di manovra
<i>Head rail</i> | 8. Mensole per fissaggio frontale
<i>Brackets for frontal installation</i> |
| 2. Variatore
<i>Tilter</i> | 9. Lama frangisole
<i>Slat</i> |
| 3. Mensola veletta
<i>Bracket for front cover panel</i> | 10. Piolo lama
<i>Hook for slat fastening</i> |
| 4. Alette registrabili
<i>Adjustable sliders</i> | 11. Terminale
<i>Bottom rail</i> |
| 5. Supporto canale di manovra
<i>Head rail holder</i> | 12. Guida laterale
<i>Side rail guide</i> |
| 6. Motore
<i>Motor</i> | 13. Distanziale telescopico
<i>Telescopic holder</i> |
| 7. Albero Ø14 mm
<i>Drive shaft Ø14 mm</i> | 14. Supporto in nylon
<i>Nylon holder</i> |



Modelli con guide estruse - ad argano

65-C extruded side guides - crank operated version

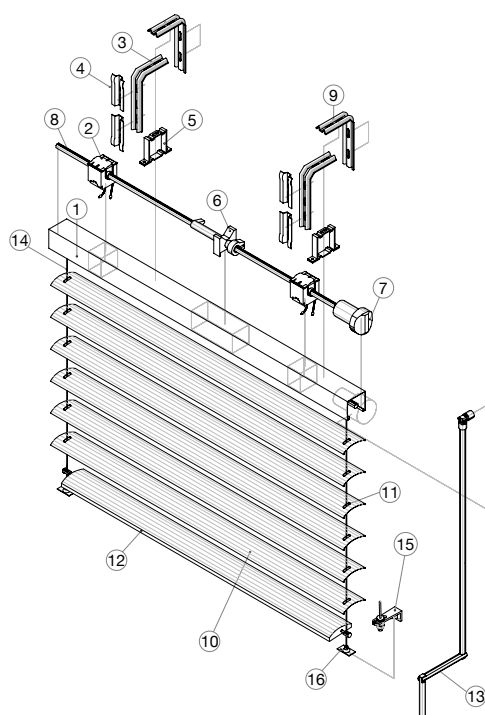
- | | |
|--|---|
| 1. Canale di manovra
<i>Head rail</i> | 9. Mensole per fissaggio frontale
<i>Brackets for frontal installation</i> |
| 2. Variatore
<i>Tilter</i> | 10. Lama frangisole
<i>Slat</i> |
| 3. Mensola veletta
<i>Bracket for front cover panel</i> | 11. Piolo lama
<i>Hook for slat fastening</i> |
| 4. Alette registrabili
<i>Adjustable sliders</i> | 12. Terminale
<i>Bottom rail</i> |
| 5. Supporto canale di manovra
<i>Head rail holder</i> | 13. Asta di manovra
<i>Crank handle</i> |
| 6. Fine corsa
<i>Limit stop</i> | 14. Guida laterale
<i>Side rail guide</i> |
| 7. Argano
<i>Crank operated awning</i> | 15. Distanziale telescopico
<i>Telescopic holder</i> |
| 8. Albero Ø14 mm
<i>Drive shaft Ø14 mm</i> | 16. Supporto in nylon
<i>Nylon holder</i> |



Modelli con guide a cavo - a motore

Modelli cable guides - motor version

- | | |
|--|--|
| 1. Canale di manovra
<i>Head rail</i> | 8. Mensole per fissaggio frontale
<i>Brackets for frontal insallation</i> |
| 2. Variatore
<i>Tilter</i> | 9. Lama frangisole
<i>Slat</i> |
| 3. Mensola veletta
<i>Bracket for front cover panel</i> | 10. Foro ribattutto passaggio cavo
<i>Cable guide hole with rounded edges</i> |
| 4. Alette registrabili
<i>Adjustable sliders</i> | 11. Terminale
<i>Bottom rail</i> |
| 5. Supporto canale di manovra
<i>Head rail holder</i> | 12. Cavo laterale in acciaio
<i>Side steel cable</i> |
| 6. Motore
<i>Motor</i> | 13. Tensionatore fissaggio frontale
<i>Suspension bracket for frontal insallation</i> |
| 7. Albero Ø14 mm
<i>Drive shaft Ø14 mm</i> | 14. Piastrina di fissaggio a terra
<i>Bracket for floor mounting</i> |



Modelli guide a cavo - ad argano

Modelli cable guides - crank operated version

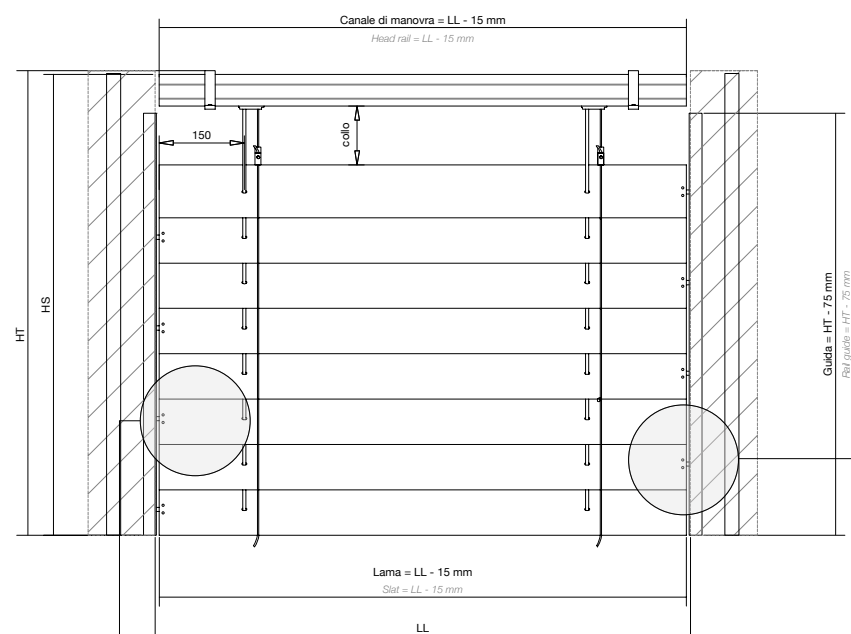
- | | |
|--|--|
| 1. Canale di manovra
<i>Head rail</i> | 9. Mensole per fissaggio frontale
<i>Brackets for frontal insallation</i> |
| 2. Variatore
<i>Tilter</i> | 10. Lama frangisole
<i>65-C slat</i> |
| 3. Mensola veletta
<i>Bracket for front cover panel</i> | 11. Foro ribattutto passaggio cavo
<i>Cable guide hole with rounded edges</i> |
| 4. Alette registrabili
<i>Adjustable sliders</i> | 12. Terminale
<i>Bottom rail</i> |
| 5. Supporto canale di manovra
<i>Head rail holder</i> | 13. Asta di manovra
<i>Crank handle</i> |
| 6. Fine corsa
<i>Limit stop</i> | 14. Cavo laterale in acciaio
<i>Side steel cable</i> |
| 7. Argano
<i>Crank operated awning</i> | 15. Tensionatore fissaggio frontale
<i>Suspension bracket for frontal insallation</i> |
| 8. Albero Ø14 mm
<i>Drive shaft Ø14 mm</i> | 16. Piastrina di fissaggio a terra
<i>Bracket for floor mounting</i> |

Indicazione per calcolo misure

Guidelines for calculating dimensions

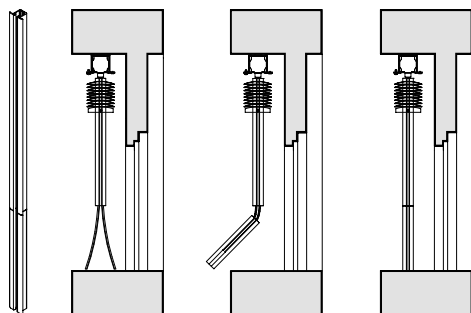
65-C guide estruse - guide incassate

65-C extruded guides - recessed side guides



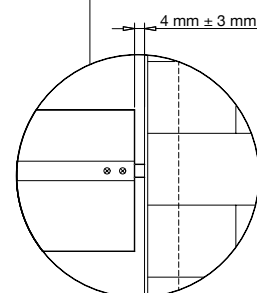
Le guide estruse incassate sono fornite divise in due parti e vanno montate iniziando dalla più lunga, concludendo con quella più corta e facendo particolare attenzione alle guarnizioni

The recessed extruded guides are supplied in two sections and must be installed starting with the longer one, finishing with the shorter one, paying particular attention to the seals



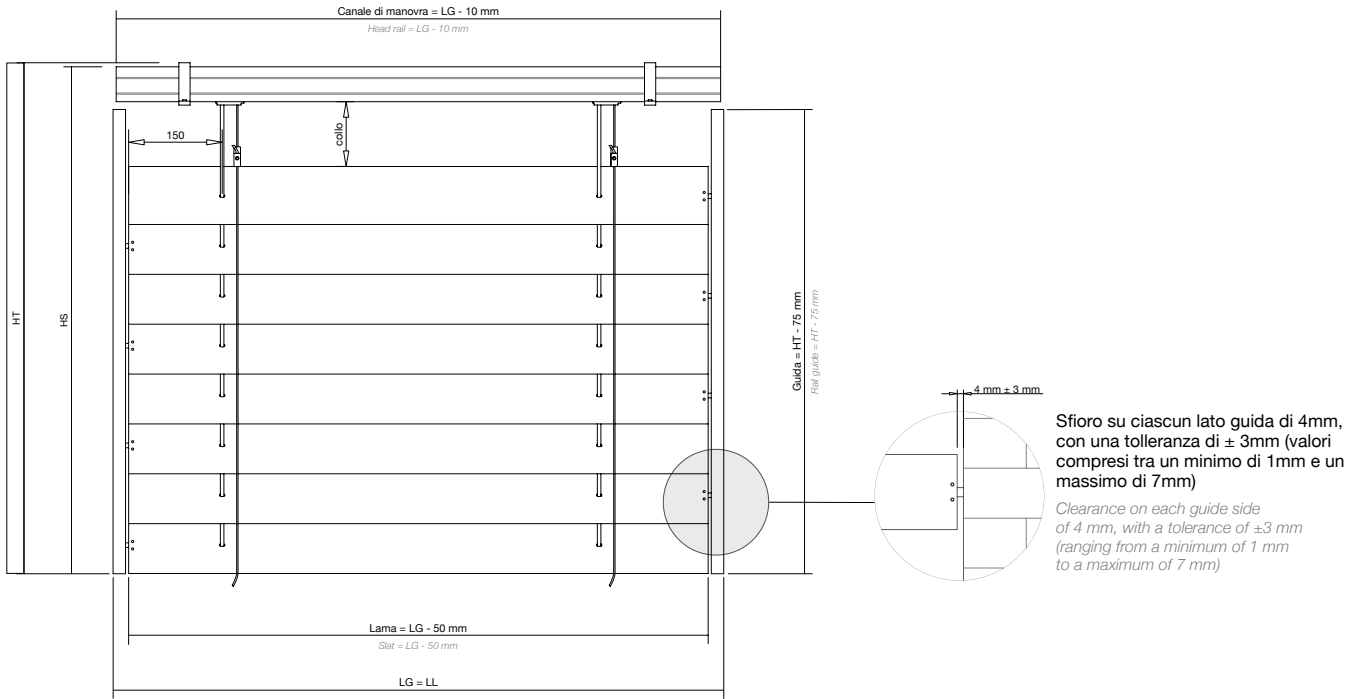
Sfioro su ciascun lato guida di 4mm, con una tolleranza di ± 3 mm (valori compresi tra un minimo di 1mm e un massimo di 7mm)

Clearance on each guide side of 4 mm, with a tolerance of ± 3 mm (ranging from a minimum of 1 mm to a maximum of 7 mm)



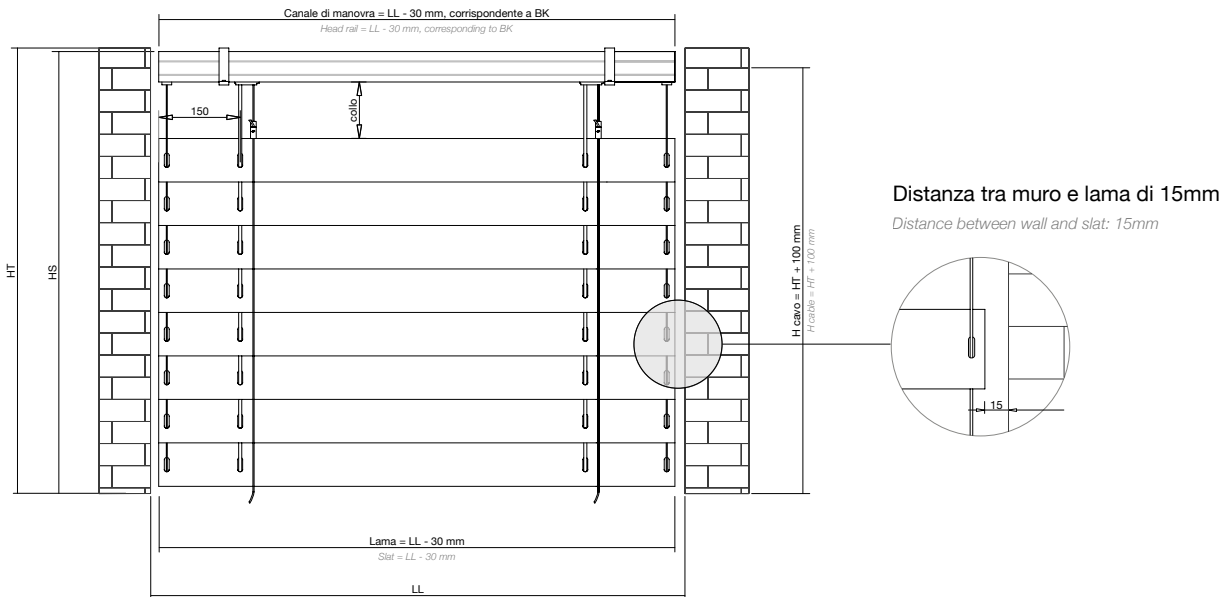
65-C guide estruse - guide in luce

65-C extruded guides - non-recessed side guides



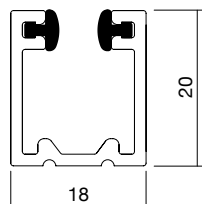
65-C guide a cavo

65-C cable guides

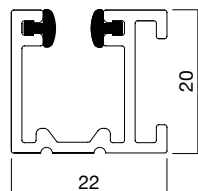


Guide estraprese compatibili

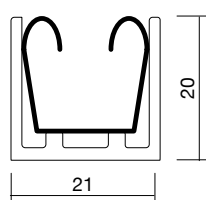
Compatible extruded guides



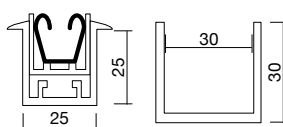
Guida singola
Single guide



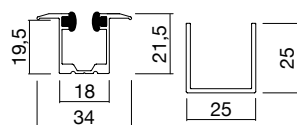
Guida singola per distanziale
Single guide for spacers



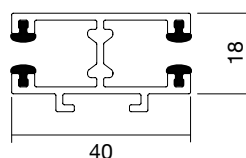
Guida singola 21x20
Single guide for spacers



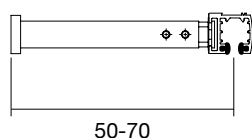
Guida telescopica ad incasso
Embedded telescopic guide



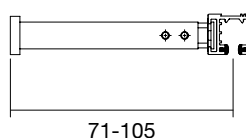
Guida ad incasso con canalina
Embedded guide with mounting profile



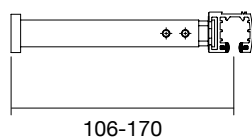
Guida doppia
Double guide



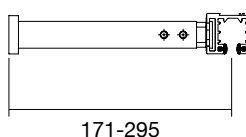
**Distanziali regolabili
x da 50 a 70**
Adjustable spacers from 50 to 70



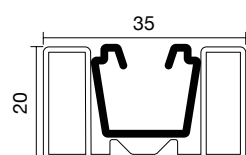
**Distanziali regolabili
x da 71 a 105**
Adjustable spacers x from 71 to 105



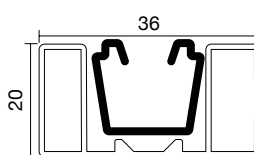
**Distanziali regolabili
x da 106 a 170**
Adjustable spacers x from 106 to 170



**Distanziali regolabili
x da 171 a 295**
Adjustable spacers x from 171 to 295



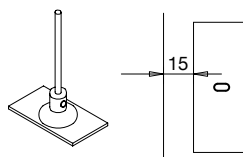
Guide autoportanti da 35 a 20
Self-supporting guides from 35 to 20



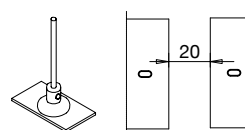
Guide autoportanti da 36 a 20
Self-supporting guides from 36 to 20

Guide a cavo compatibili

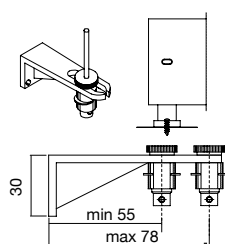
Compatible cable guides



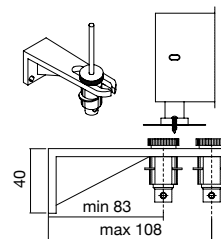
Guida in luce
Guide with light-gap



**Nodo centrale
per frangisole affiancate**
Central joints coupling



**Supporti Guida frontale
- piccoli**
Cantilever brackets - small



**Supporti Guida frontale
- grandi**
Cantilever brackets - large

Note

Notes

Colorazioni Guide estruse:
RAL in tinta: 9010, 9016, 1013, 7035, 9006, 9007, 7016, 6009, 8019, 7022, 9005
Fuori standard: Colori RAL a scelta

Colorazioni Guide a cavo
Standard: alluminio anodizzato
Fuori standard: Colori RAL a scelta

Extruded Guides colour:

Standard: anodized aluminum

Matching RAL colors: 9010, 9016, 1013, 7035, 9006, 9007, 7016, 6009, 8019, 7022, 9005

Non-standard: custom RAL colours available

Cable Guides colour note

Standard: anodized aluminum

Non-standard: custom RAL colours available

Frangisole a catena

Chain External Venetian Blinds

Bold	68
Esse	74
Light	80
Installazione frangisole a catena / <i>External Venetian Blinds installation</i>	86



Bold

Frangisole a catena / *Chain external Venetian blinds*

Tenda frangisole autoportante, impacchettabile e orientabile, con movimentazione a catena. Lame a Z da 96,7 mm in alluminio estruso, con aggancio non visibile dall'esterno e guarnizione antirumore, orientabili tra 0° e 87° grazie al variatore a frizione attiva in acciaio inox. Sistema di livellamento delle guide laterali con compensazione fino a 2 mm per lato. Dotata di sgancio di emergenza delle lame dal sistema a catena e di dispositivo anticaduta a salvaguardia del meccanismo interno. Disponibile con movimentazione motorizzata di serie.

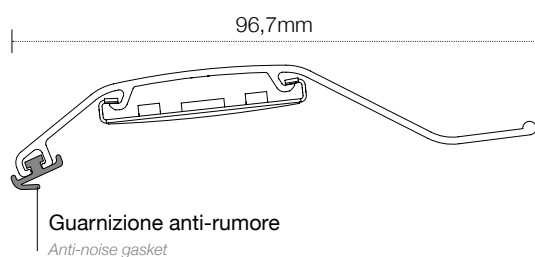
Free-standing, retractable and adjustable sunshade awning with chain operation. 96.7 mm Z-shaped slats in extruded aluminium, with fastenings not visible from the outside and a noise-reducing seal; adjustable between 0° and 87° thanks to the stainless steel active friction variator. Side-guide levelling system with compensation of up to 2 mm per side. Fitted with an emergency release mechanism to disconnect the slats from the chain system and a fall-arrest device to protect the internal mechanism. Available with motorised operation as standard.

Specifiche tecniche / Technical specifications

Spessore lama <i>Slat thickness</i>	1,30 mm
Larghezza massima <i>Maximum length</i>	3000 mm
Altezza massima <i>Maximum height</i>	4020 mm

Guide <i>Guides</i>	In alluminio estruso <i>In extruded aluminium</i>
Movimentazione <i>Operation</i>	A motore <i>Motorized</i>

Sezione lama / Slat section



Optional

La frangisole Bold è disponibile con i seguenti optional:
70-Z External Venetian Blinds are compatible with the following optional:

Versione Premium <i>Premium Version</i>	Kit Mare <i>Shore Kit</i>
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Finiture / Finishes

RAL9010 <i>Bianco puro</i>	RAL9016 <i>Bianco traffico</i>	RAL1013 <i>Bianco perla</i>	RAL7035 <i>Grigio luce</i>	RAL6009 <i>Verde abete</i>	RAL8017 <i>Marrone cioccolata</i>
RAL9006 <i>Alluminio brillante</i>	RAL9007 <i>Alluminio giallastro</i>	RAL8019 <i>Marrone giallastro</i>	RAL7022 <i>Grigio ombra</i>	RAL1019 TOUCH <i>Beige</i>	TOUCH <i>Marrone</i>
TOUCH <i>Nero</i>	Consulta la pagina 94 per la lista colori disponibili <i>See page 94 for the full colour range</i>				

Resistenza al carico del vento / Wind Load Resistance

Norma di prova <i>Test Regulation</i>	Norma di classificazione <i>Regulatory classification</i>	Km/h	Classe <i>Class</i>
UNI EN 1332	UNI EN 13659	130	6 ++

Tenda sottoposta a prova con dimensioni 2000 mm. Il valore massimo assegnato alla resistenza al carico del vento è 6.

Note

A pagina 92 è possibile visionare le vele disponibili.

Notes

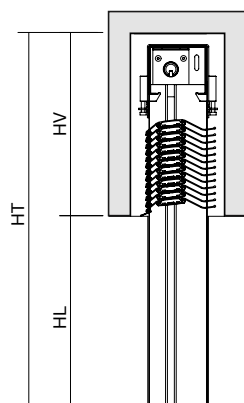
On page 92, you can view the available front cover panels.

Il sistema

The system

Ingombro

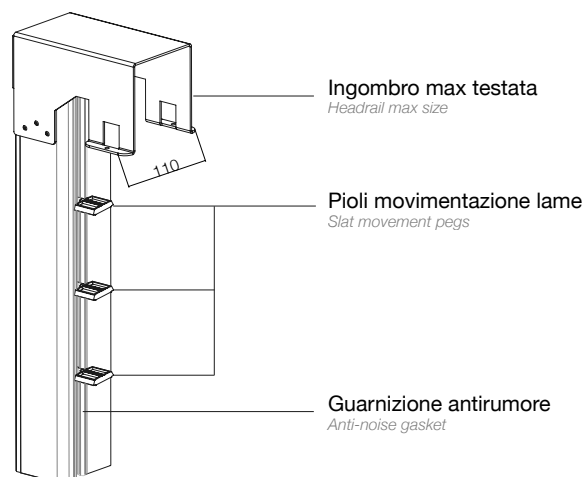
Dimensions



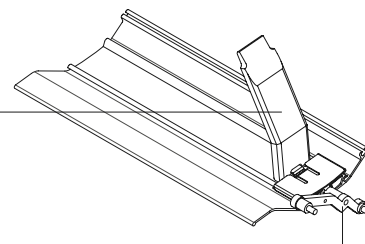
HV	HT (mm)		HL (mm)	
	min	max	min	max
275	670	1429	395	1144
285	1430	1517	1145	1222
295	1518	1605	1223	1300
305	1606	1693	1301	1383
310	1694	1773	1384	1453
320	1774	1861	1454	1531
330	1862	1949	1532	1609
340	1950	2029	1610	1679
350	2030	2117	1680	1762
355	2118	2205	1763	1840
365	2206	2285	1841	1910
375	2286	2374	1911	1989
386	2375	2462	1990	2072
390	2463	2550	2073	2150
400	2551	2630	2151	2220
410	2631	2718	2221	2298
420	2719	2806	2299	2376
430	2807	2894	2377	2459
435	2895	2974	2460	2529
445	2975	3062	2530	2607
455	3063	3150	2608	2685
465	3151	3238	2686	2763
475	3239	3318	2764	2838
480	3319	3406	2839	2916
490	3407	3494	2917	2994
500	3495	3574	2995	3064
510	3575	3662	3065	3147
515	3663	3750	3148	3225
525	3751	3838	3226	3303
535	3839	3918	3304	3373
545	3919	4006	3374	3451
555	4007	4020	3452	3465

Elementi del sistema

System elements



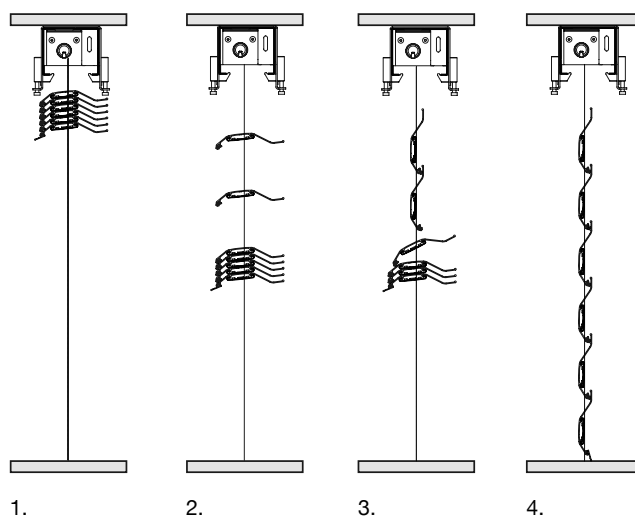
Chiave per innesto clip
Insertion tool for clip



Braccio snodato
per orientamento lame
Slat orienting arm

Apertura e orientamento

Opening and orientation system



1. Posizione di fine corsa alto
2. Posizione lame in salita
3. Posizione lame in discesa
4. Posizione di fine corsa basso

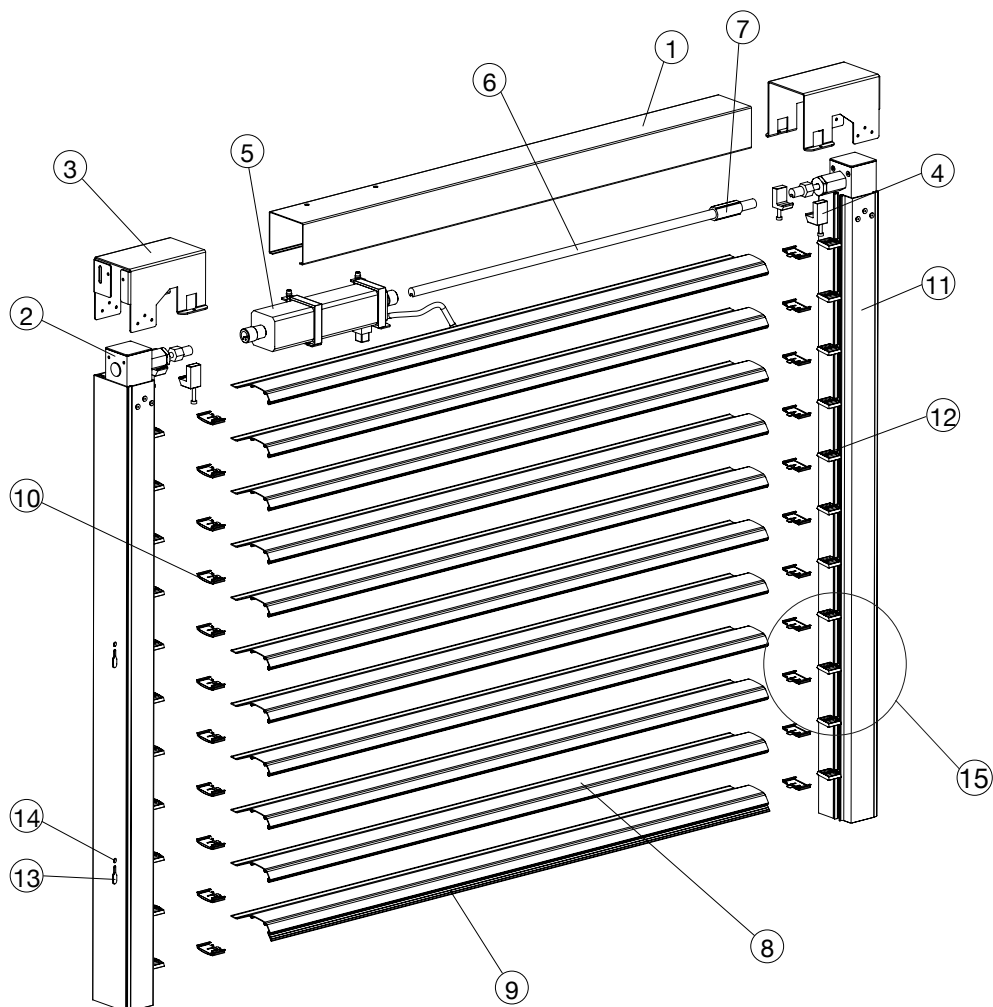
1. Upper end-of-stroke position
2. Slats up position
3. Slats down position
4. Lower end-of-stroke position

Componenti

Components

Vista in esploso

Exploded view



1. Canale di manovra zincato
Galvanized steel had rail

2. Variatore
Tilter

3. Cuffia zincata
Galvanized steel angle bracket

4. Bloccaggio canale manovra
Fixation brackets

5. Motore
Motor

6. Albero Ø14 mm
Drive shaft Ø14 mm

7. Giunto albero telescopico
Telescopic shaft joint

8. Lame in alluminio estruso
Extruded aluminum slats

9. Guarnizione ultima lama
Adjustable rubber on last slat

10. Clip aggancio lama
Fastening clip

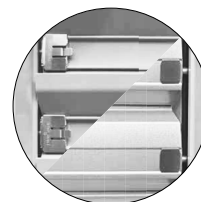
11. Guida laterale con meccanica
Continuous chain structure

12. Pioli porta lama
Hooks for slat fastening

13. Asola pre-montaggio
Hole for pre-assembly

14. Inserto per regolazione guida
Hole for rail guide adjustments

15. KIT MARE opzionale
SEA KIT Optional



Sistema a catena e clip di aggancio in acciaio inox per maggiore resistenza alla ruggine in ambienti con presenza di salsedine.

Stainless steel chain and fastening clips for greater resistance to rust in salty air environments.

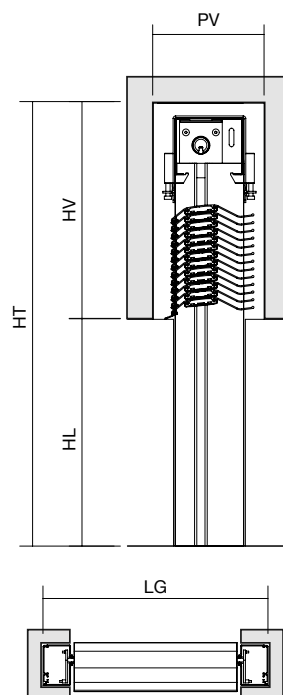
Ingombri del sistema

System dimensions

Dimensioni sistema

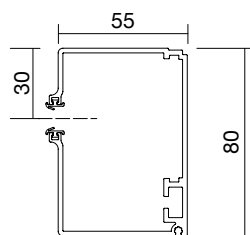
Extruded guides dimensions

	LG min	LG max	HT min	HT max	Superficie max <i>Max surface</i>	PV
A motore <i>Motorized</i>	675mm	3000mm	750mm	4020mm	9m ²	130mm



Guide

Guides



Descrizione

Guida singola
per applicazione in luce

Single guide for inside-mount application

Colorazione

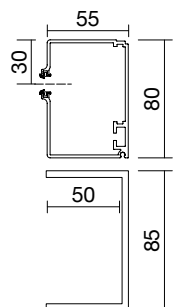
RAL in tinta: 9010 - 9016 - 1013 - 7035 - 9006
9007 - 7016 - 6009 - 8019 - 7022 - 9005

Fuori standard: Colori RAL a scelta

Standard: anodized aluminum

*Matching RAL colors: 9010 - 9016 - 1013 - 7035 - 9006 - 9007
7016 - 6009 - 8019 - 7022 - 9005*

Non-standard: custom RAL colors available



Descrizione

Guida singola con canalina
per installazione ad incasso

Single guide with recessed installation channel

Colorazione

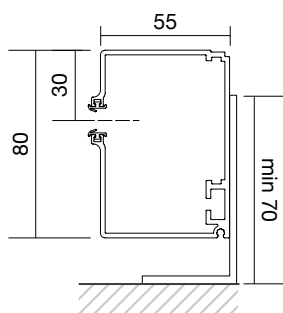
RAL in tinta: 9010 - 9016 - 1013 - 7035 - 9006
9007 - 7016 - 6009 - 8019 - 7022 - 9005

Fuori standard: Colori RAL a scelta

Standard: anodized aluminum

*Matching RAL colors: 9010 - 9016 - 1013 - 7035 - 9006 - 9007
7016 - 6009 - 8019 - 7022 - 9005*

Non-standard: custom RAL colors available



Descrizione

Guida singola con staffa per installazione frontale

Single guide with bracket for frontal installation

Colorazione

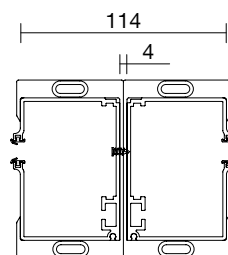
RAL in tinta: 9010 - 9016 - 1013 - 7035 - 9006
9007 - 7016 - 6009 - 8019 - 7022 - 9005

Fuori standard: Colori RAL a scelta

Standard: anodized aluminum

*Matching RAL colors: 9010 - 9016 - 1013 - 7035 - 9006 - 9007
7016 - 6009 - 8019 - 7022 - 9005*

Non-standard: custom RAL colors available



Descrizione

Abbinata terra-soffitto

Floor-to-ceiling configuration with bracket

Colorazione

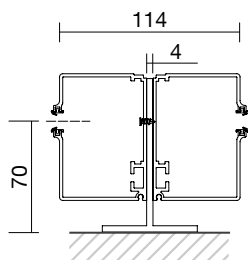
RAL in tinta: 9010 - 9016 - 1013 - 7035 - 9006
9007 - 7016 - 6009 - 8019 - 7022 - 9005

Fuori standard: Colori RAL a scelta

Standard: anodized aluminum

*Matching RAL colors: 9010 - 9016 - 1013 - 7035 - 9006 - 9007
7016 - 6009 - 8019 - 7022 - 9005*

Non-standard: custom RAL colors available



Descrizione

Abbinata terra-soffitto con staffa

Floor-to-ceiling configuration with bracket

Colorazione

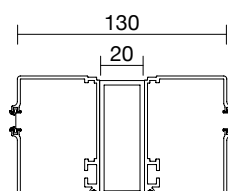
RAL in tinta: 9010 - 9016 - 1013 - 7035 - 9006
9007 - 7016 - 6009 - 8019 - 7022 - 9005

Fuori standard: Colori RAL a scelta

Standard: anodized aluminum

*Matching RAL colors: 9010 - 9016 - 1013 - 7035 - 9006 - 9007
7016 - 6009 - 8019 - 7022 - 9005*

Non-standard: custom RAL colors available



Descrizione

Abbinata tubolare 20x80

Paired tubular section 20x80

Colorazione

RAL in tinta: 9010 - 9016 - 1013 - 7035 - 9006
9007 - 7016 - 6009 - 8019 - 7022 - 9005

Fuori standard: Colori RAL a scelta

Standard: anodized aluminum

*Matching RAL colors: 9010 - 9016 - 1013 - 7035 - 9006 - 9007
7016 - 6009 - 8019 - 7022 - 9005*

Non-standard: custom RAL colors available

Esse

Frangisole a catena / *Chain external Venetian blinds*

Tenda frangisole autoportante, impacchettabile e orientabile, con movimentazione a catena. Lame a S da 97,8 mm in alluminio estruso, con aggancio non visibile dall'esterno e guarnizione antirumore, orientabili tra 0° e 87° grazie al variatore a frizione attiva in acciaio inox. Sistema di livellamento delle guide laterali con compensazione fino a 2 mm per lato. Dotata di sgancio di emergenza delle lame dal sistema a catena e di dispositivo anticaduta a salvaguardia del meccanismo interno. Disponibile con movimentazione motorizzata di serie.

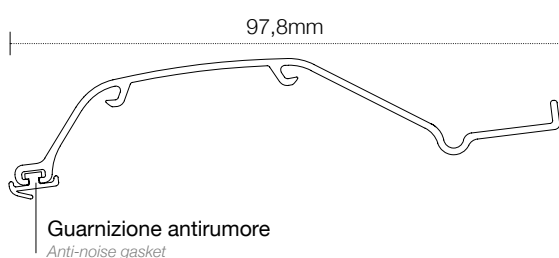
Free-standing, retractable and adjustable sunshade awning with chain operation. 97.8 mm S-shaped slats in extruded aluminium, with fastenings concealed from view from the outside and a noise-reducing seal; adjustable between 0° and 87° thanks to the stainless steel active friction variator. Side-guide levelling system with compensation of up to 2 mm per side. Fitted with an emergency release mechanism to disconnect the slats from the chain system and a fall-arrest device to protect the internal mechanism. Available with motorised operation as standard.

Specifiche tecniche / Technical specifications

Spessore lama <i>Slat thickness</i>	1,2 mm
Larghezza massima <i>Maximum length</i>	3000 mm
Altezza massima <i>Maximum height</i>	4200 mm

Guide <i>Guides</i>	In alluminio estruso <i>In extruded aluminium</i>
Movimentazione <i>Operation</i>	A motore <i>Motorized</i>

Sezione lama / Slat section



Optional

La frangisole Bold è disponibile con i seguenti optional:
70-Z External Venetian Blinds are compatible with the following optional:

Versione Premium
Premium Version

Kit Mare
Shore Kit

Finiture / Finishes

RAL9010 <i>Bianco puro</i>	RAL9016 <i>Bianco traffico</i>	RAL1013 <i>Bianco perla</i>	RAL7016 <i>Grigio antracite</i>	RAL6009 <i>Verde abete</i>	RAL9005 <i>Nero intenso</i>
RAL7035 <i>Grigio luce</i>	RAL9006 <i>Alluminio brillante</i>	RAL9007 <i>Alluminio giallastro</i>	RAL8019 <i>Marrone giallastro</i>	RAL7022 <i>Grigio ombra</i>	RAL1019 TOUCH <i>Beige</i>
TOUCH <i>Marrone</i>	TOUCH <i>Nero</i>	Consulta la pagina 94 per la lista colori disponibili <i>See page 94 for the full colour range</i>			

Resistenza al carico del vento / Wind Load Resistance

Norma di prova <i>Test Regulation</i>	Norma di classificazione <i>Regulatory classification</i>	Km/h	Classe <i>Class</i>
UNI EN 1932	UNI EN 13659	130	6 ++

Tenda sottoposta a prova con dimensioni 2000 mm. Il valore massimo assegnato alla resistenza al carico del vento è 6.

Note

A pagina 92 è possibile visionare le vele disponibili.

Notes

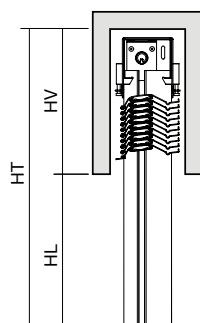
On page 92, you can view the available front cover panels.

Il sistema

The system

Ingombro

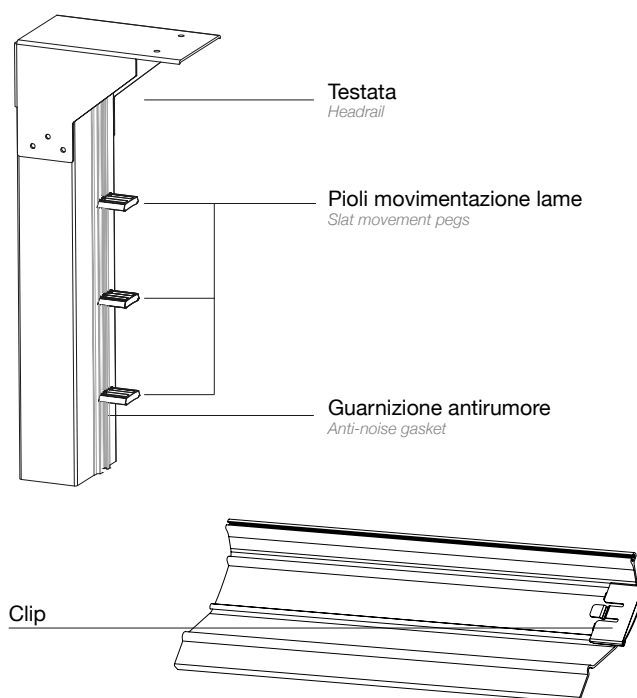
Dimensions



HV	HT (mm)		HL (mm)	
	min	max	min	max
275	670	1429	395	1144
285	1430	1517	1145	1222
295	1518	1605	1223	1300
305	1606	1693	1301	1383
310	1694	1773	1384	1453
320	1774	1861	1454	1531
330	1862	1949	1532	1609
340	1950	2029	1610	1679
350	2030	2117	1680	1761
355	2118	2205	1763	1840
365	2206	2285	1841	1910
375	2286	2374	1911	1989
385	2375	2462	1990	2072
390	2463	2550	2073	2150
400	2551	2630	2151	2220
410	2631	2718	2221	2298
420	2719	2806	2299	2376
430	2807	2894	2377	2459
435	2895	2974	2460	2529
445	2975	3062	2530	2607
455	3063	3150	2608	2685
465	3151	3238	2686	2763
475	3239	3318	2764	2838
480	3319	3406	2839	2916
490	3407	3494	2917	2994
500	3495	3574	2995	3064
510	3575	3662	3065	3147
515	3663	3750	3148	3225
525	3751	3838	3226	3303
535	3839	3918	3304	3373
545	3919	4006	3374	3451
555	4007	4020	3452	3465

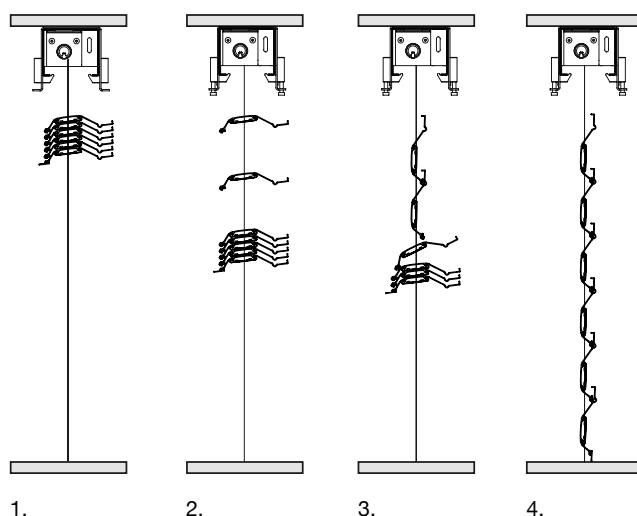
Elementi del sistema

System elements



Apertura e orientamento

Opening and orientation system



1. Posizione di fine corsa alto
2. Posizione lame in salita
3. Posizione lame in discesa
4. Posizione di fine corsa basso

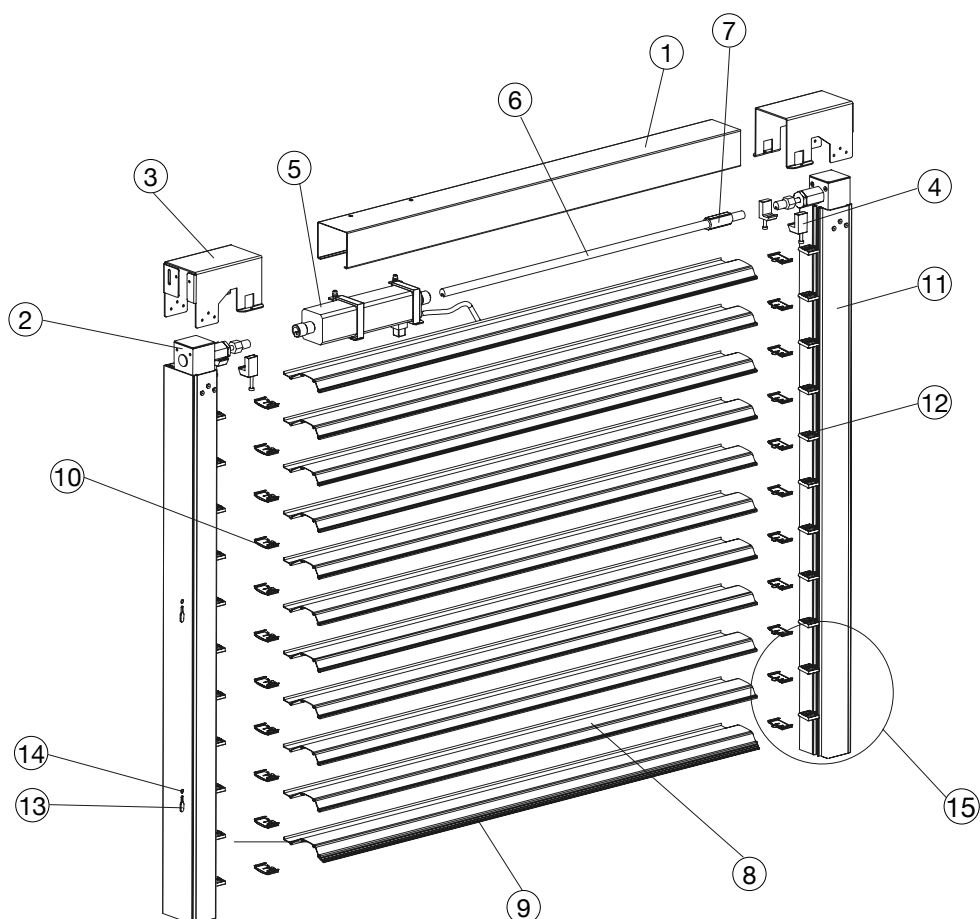
1. Upper end-of-stroke position
2. Slats up position
3. Slats down position
4. Lower end-of-stroke position

Componenti

Components

Vista in esploso

Exploded view



1. Canale di manovra zincato
Galvanized steel had rail

2. Variatore
Tilter

3. Cuffia zincata
Galvanized steel angle bracket

4. Bloccaggio canale manovra
Fixation brackets

5. Motore
Motor

6. Albero Ø14 mm
Drive shaft Ø14 mm

7. Giunto alberino telescopico
Telescopic shaft joint

8. Lame in alluminio estruso
Extruded aluminum slats

9. Guarnizione ultima lama
Bottom slat djustable rubber

10. Clip aggancio lama
Fastening clip

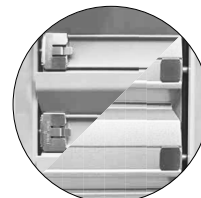
11. Guida laterale con meccanica
Continuous chain structure

12. Pioli porta lama
Hooks for slat fastening

13. Asola pre-montaggio
Hole for pre-assembly

14. Inserto per regolazione guida
Hole for rail guide adjustments

15. KIT MARE opzionale
SEA KIT Optional



Sistema a catena e clip di aggancio in acciaio inox per maggiore resistenza alla ruggine in ambienti con presenza di salsedine.

Stainless steel chain and fastening clips for greater resistance to rust in salty air environments.

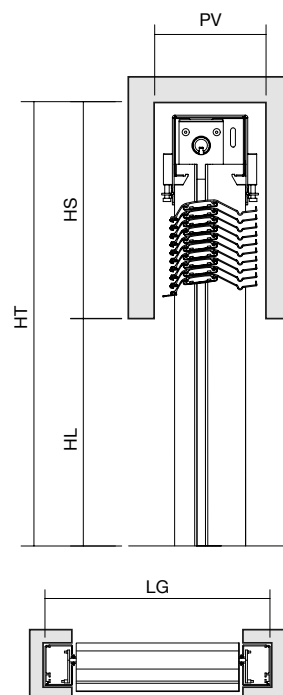
Ingombri del sistema

System dimensions

Dimensioni sistema

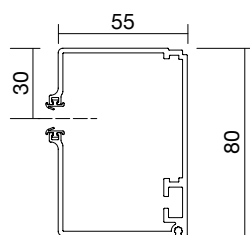
Extruded guides dimensions

	LG min	LG max	HT min	HT max	Superficie max <i>Max surface</i>	PV
A motore <i>Motorized</i>	675mm	3000mm	750mm	4020mm	9m ²	130mm



Guide estruse

Extruded guides



Descrizione

Guida singola
per applicazione in luce

Single guide for inside-mount application

Colorazione

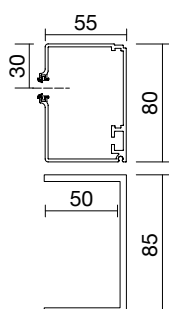
RAL in tinta: 9010 - 9016 - 1013 - 7035 - 9006
9007 - 7016 - 6009 - 8019 - 7022 - 9005

Fuori standard: Colori RAL a scelta

Standard: anodized aluminum

*Matching RAL colors: 9010 - 9016 - 1013 - 7035 - 9006 - 9007
7016 - 6009 - 8019 - 7022 - 9005*

Non-standard: custom RAL colors available



Descrizione

Guida singola con canalina
per installazione ad incasso

Single guide with recessed installation channel

Colorazione

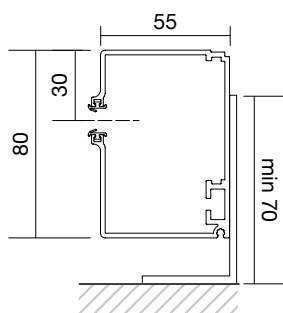
RAL in tinta: 9010 - 9016 - 1013 - 7035 - 9006
9007 - 7016 - 6009 - 8019 - 7022 - 9005

Fuori standard: Colori RAL a scelta

Standard: anodized aluminum

*Matching RAL colors: 9010 - 9016 - 1013 - 7035 - 9006 - 9007
7016 - 6009 - 8019 - 7022 - 9005*

Non-standard: custom RAL colors available



Descrizione

Guida singola con staffa per installazione frontale

Single guide with bracket for frontal installation

Colorazione

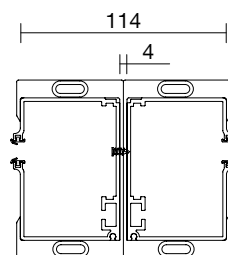
RAL in tinta: 9010 - 9016 - 1013 - 7035 - 9006
9007 - 7016 - 6009 - 8019 - 7022 - 9005

Fuori standard: Colori RAL a scelta

Standard: anodized aluminum

*Matching RAL colors: 9010 - 9016 - 1013 - 7035 - 9006 - 9007
7016 - 6009 - 8019 - 7022 - 9005*

Non-standard: custom RAL colors available



Descrizione

Abbinata terra-soffitto

Floor-to-ceiling configuration with bracket

Colorazione

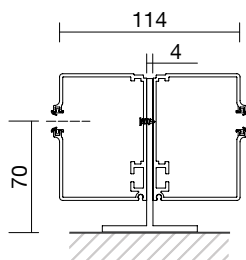
RAL in tinta: 9010 - 9016 - 1013 - 7035 - 9006
9007 - 7016 - 6009 - 8019 - 7022 - 9005

Fuori standard: Colori RAL a scelta

Standard: anodized aluminum

*Matching RAL colors: 9010 - 9016 - 1013 - 7035 - 9006 - 9007
7016 - 6009 - 8019 - 7022 - 9005*

Non-standard: custom RAL colors available



Descrizione

Abbinata terra-soffitto con staffa

Floor-to-ceiling configuration with bracket

Colorazione

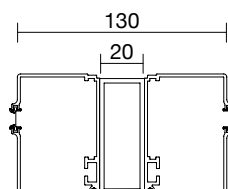
RAL in tinta: 9010 - 9016 - 1013 - 7035 - 9006
9007 - 7016 - 6009 - 8019 - 7022 - 9005

Fuori standard: Colori RAL a scelta

Standard: anodized aluminum

*Matching RAL colors: 9010 - 9016 - 1013 - 7035 - 9006 - 9007
7016 - 6009 - 8019 - 7022 - 9005*

Non-standard: custom RAL colors available



Descrizione

Abbinata tubolare 20x80

Paired tubular section 20x80

Colorazione

RAL in tinta: 9010 - 9016 - 1013 - 7035 - 9006
9007 - 7016 - 6009 - 8019 - 7022 - 9005

Fuori standard: Colori RAL a scelta

Standard: anodized aluminum

*Matching RAL colors: 9010 - 9016 - 1013 - 7035 - 9006 - 9007
7016 - 6009 - 8019 - 7022 - 9005*

Non-standard: custom RAL colors available



Light

Frangisole a catena / *Chain external Venetian blinds*

Tenda frangisole autoportante, impacchettabile e orientabile, con movimentazione a catena aperta. Lame a Z da 97,3 mm in alluminio profilato, con aggancio non visibile dall'esterno e guarnizione antirumore: orientabili in qualsiasi posizione intermedia tra 35° e 80° durante la salita e la discesa, e tra 0° e 80° a tenda completamente abbassata. Sistema di livellamento delle guide laterali con compensazione fino a 2 mm per lato. Dotata di sgancio di emergenza delle lame dal sistema a catena e di dispositivo anticaduta a salvaguardia del meccanismo interno. Disponibile con movimentazione motorizzata di serie.

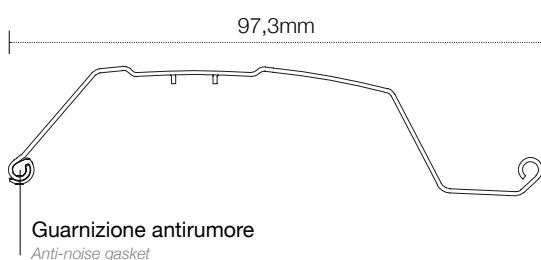
Free-standing, retractable and adjustable sunshade awning, with an open-chain operating mechanism. 97.3 mm Z-shaped slats made from extruded aluminium, with fastenings concealed from view from the outside and a noise-reducing seal: adjustable to any intermediate position between 35° and 80° whilst raising or lowering, and between 0° and 80° when the awning is fully lowered. Side-guide levelling system with compensation of up to 2 mm per side. Fitted with an emergency release mechanism to disconnect the slats from the chain system and a fall-arrest device to protect the internal mechanism. Available with motorised operation as standard.

Specifiche tecniche / Technical specifications

Spessore lama <i>Slat thickness</i>	0,75 mm
Larghezza massima <i>Maximum length</i>	2850 mm
Altezza massima <i>Maximum height</i>	4500 mm

Guide <i>Guides</i>	In alluminio estruso <i>In extruded aluminium</i>
Movimentazione <i>Operation</i>	A motore <i>Motorized</i>

Sezione lama / Slat section



Optional

La frangisole Bold è disponibile con i seguenti optional:
70-Z External Venetian Blinds are compatible with the following optional:

Versione Premium
Premium Version

Kit Mare
Shore Kit

Finiture / Finiture

RAL9010 <i>Bianco puro</i>	RAL9016 <i>Bianco traffico</i>	RAL1013 <i>Bianco perla</i>	RAL7016 <i>Grigio antracite</i>	RAL6009 <i>Verde abete</i>	RAL6005 <i>Verde muschio</i>
RAL7035 <i>Grigio luce</i>	RAL9006 <i>Alluminio brillante</i>	RAL9007 <i>Alluminio giallastro</i>	RAL8019 <i>Marrone giallastro</i>	RAL7022 <i>Grigio ombra</i>	RAL9005 <i>Nero intenso</i>

Consulta la pagina 94 per la lista colori disponibili
See page 94 for the full colour range

Resistenza al carico del vento / Wind Load Resistance

Norma di prova <i>Test Regulation</i>	Norma di classificazione <i>Regulatory classification</i>	Km/h	Classe <i>Class</i>
UNI EN 1932	UNI EN 13659	117	6 +

Tenda sottoposta a prova con dimensioni 2000 mm. Il valore massimo assegnato alla resistenza al carico del vento è 6.

Note

A pagina 92 è possibile visionare le vele disponibili.

Notes

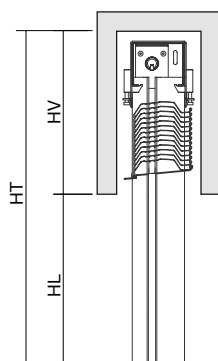
On page 92, you can view the available front cover panels.

Il sistema

The system

Ingombro

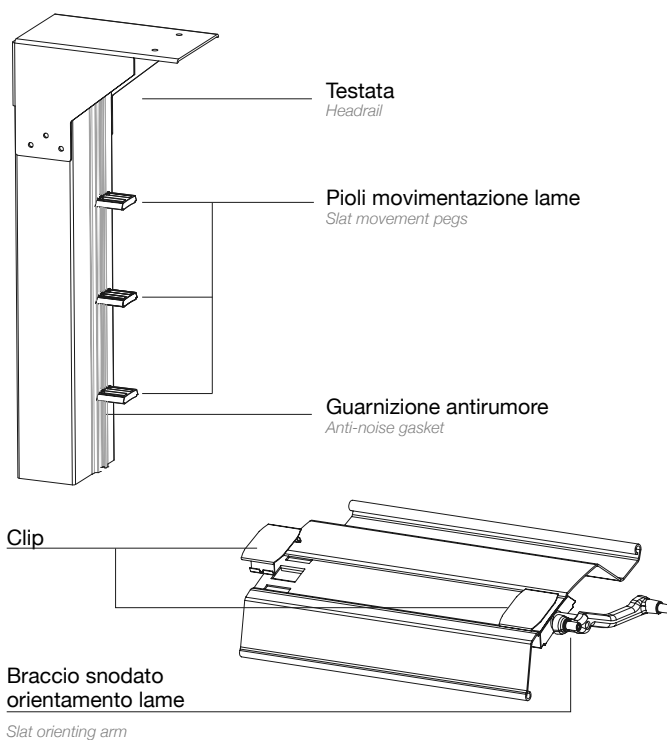
Dimensions



HV	HT (mm)		HL (mm)	
	min	max	min	max
280	670	1427	390	1142
285	1428	1513	1143	1218
295	1514	1598	1219	1293
305	1599	1683	1294	1373
310	1684	1769	1374	1449
320	1770	1854	1450	1529
325	1855	1939	1530	1604
335	1940	2025	1605	1680
345	2026	2110	1681	1760
350	2111	2195	1761	1835
360	2196	2280	1836	1910
370	2281	2366	1911	1991
375	2367	2451	1992	2066
385	2452	2536	2067	2141
395	2537	2622	2142	2222
400	2623	2707	2223	2297
410	2708	2792	2298	2377
415	2793	2878	2378	2453
425	2879	2963	2454	2528
435	2964	3048	2529	2608
440	3049	3133	2609	2683
450	3134	3219	2684	2759
460	3220	3304	2760	2839
465	3305	3389	2840	2914
475	3390	3475	2915	2990
485	3476	3560	2991	3070
490	3561	3645	3071	3145
500	3646	3731	3146	3221
510	3732	3816	3222	3301
515	3817	3901	3302	3376
525	3902	3986	3377	3456
530	3987	4072	3457	3532
540	4073	4157	3533	3607
550	4158	4242	3608	3687
555	4243	4328	3688	3763
565	4329	4413	3764	3838
575	4414	4498	3839	3918
580	4499	4590	3919	4000

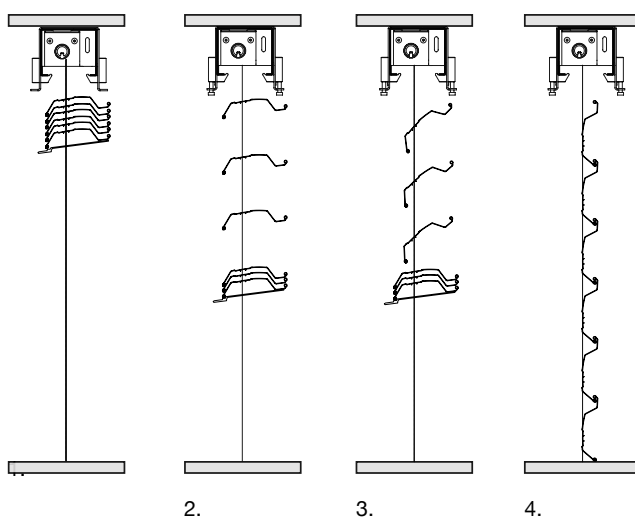
Elementi del sistema

System elements



Apertura e orientamento

Opening and orientation system



1. Posizione di fine corsa alto
2. Posizione lame in salita
3. Posizione lame in discesa
4. Posizione di fine corsa basso

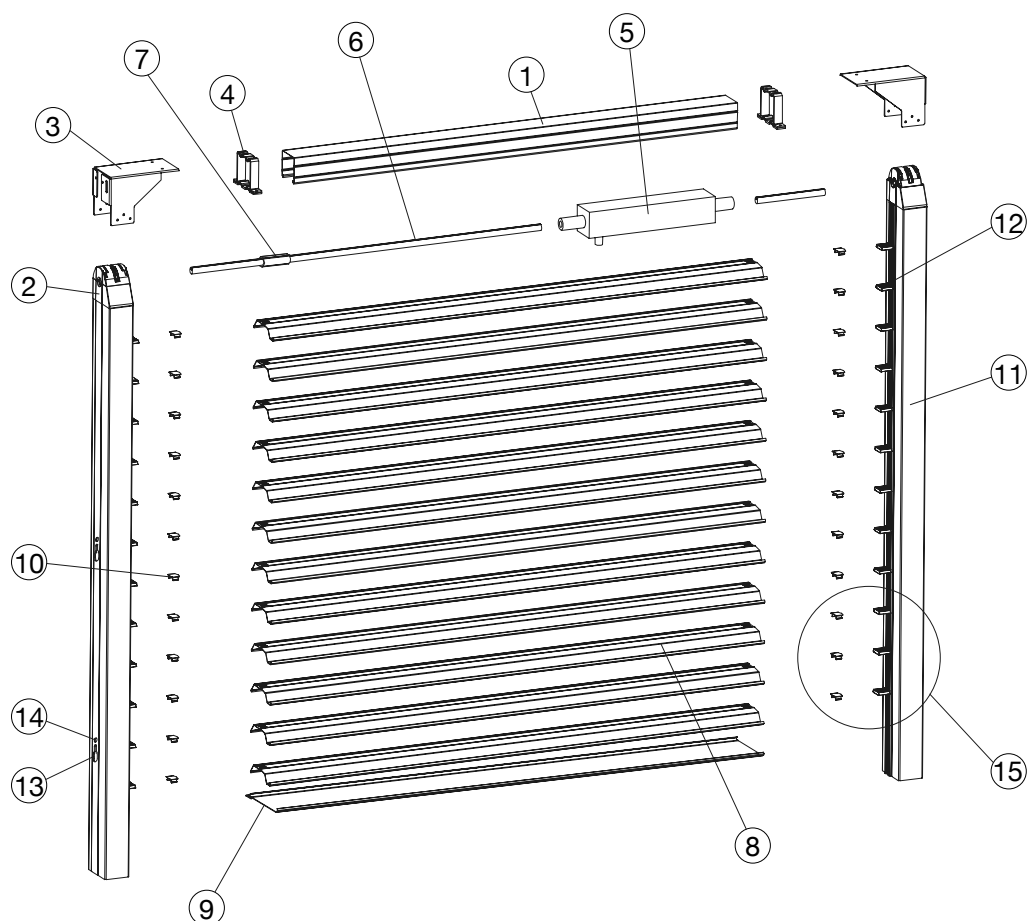
1. Upper end-of-stroke position
2. Slats up position
3. Slats down position
4. Lower end-of-stroke position

Componenti

Components

Vista in esploso

Exploded view



1. Canale di manovra zincato
Galvanized steel had rail

2. Variatore
Tilter

3. Cuffia zincata
Galvanized steel angle bracket

4. Bloccaggio canale manovra
Fixation brackets

5. Motore
Motor

6. Albero Ø14 mm
Drive shaft Ø14 mm

7. Giunto albero telescopico
Telescopic shaft joint

8. Lame in alluminio profilato
Roll-formed aluminum slats

9. Terminale con guarnizione
Bottom rail with adjustable rubber

10. Clip aggancio lama
Fastening clip

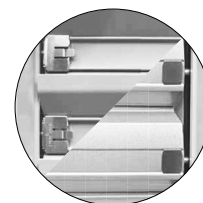
11. Guida laterale con meccanica
Continuous chain structure

12. Pioli porta lama
Hooks for slat fastening

13. Asola pre-montaggio
Hole for pre-assembly

14. Inserto per regolazione guida
Hole for rail guide adjustments

15. KIT MARE opzionale
SEA KIT Optional



Sistema a catena e clip di aggancio in acciaio inox per maggiore resistenza alla ruggine in ambienti con presenza di salsedine.

Stainless steel chain and fastening clips for greater resistance to rust in salty air environments.

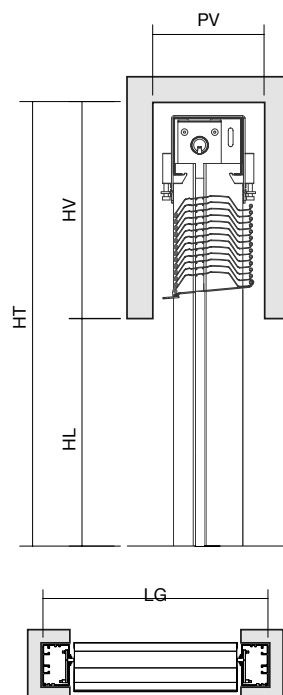
Ingombri del sistema

System dimensions

Dimensioni sistema

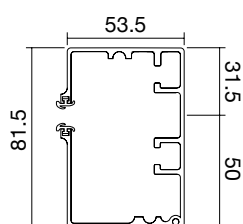
Extruded guides dimensions

	LG min	LG max	HT min	HT max	Superficie max <i>Max surface</i>	PV
A motore <i>Motorized</i>	675mm	2850mm	670mm	4500mm	8m ²	130mm



Guide

Guides



Descrizione

Guida singola
per applicazione in luce
Single guide for inside-mount application

Colorazione

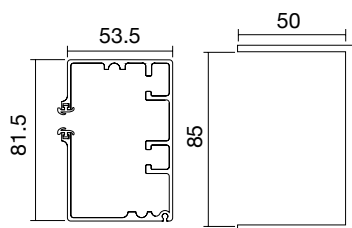
RAL in tinta: 9010 - 9016 - 1013 - 7035 - 9006
9007 - 7016 - 6009 - 8019 - 7022 - 9005

Fuori standard: Colori RAL a scelta

Standard: anodized aluminum

*Matching RAL colors: 9010 - 9016 - 1013 - 7035 - 9006 - 9007
7016 - 6009 - 8019 - 7022 - 9005*

Non-standard: custom RAL colors available



Descrizione

Guida singola con canalina
per installazione ad incasso
Single guide with recessed installation channel

Colorazione

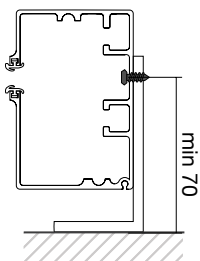
RAL in tinta: 9010 - 9016 - 1013 - 7035 - 9006
9007 - 7016 - 6009 - 8019 - 7022 - 9005

Fuori standard: Colori RAL a scelta

Standard: anodized aluminum

*Matching RAL colors: 9010 - 9016 - 1013 - 7035 - 9006 - 9007
7016 - 6009 - 8019 - 7022 - 9005*

Non-standard: custom RAL colors available



Descrizione

Guida singola con staffa
per installazione frontale

Single guide with bracket for frontal installation

Colorazione

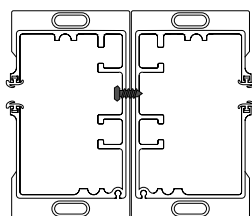
RAL in tinta: 9010 - 9016 - 1013 - 7035 - 9006
9007 - 7016 - 6009 - 8019 - 7022 - 9005

Fuori standard: Colori RAL a scelta

Standard: anodized aluminum

*Matching RAL colors: 9010 - 9016 - 1013 - 7035 - 9006 - 9007
7016 - 6009 - 8019 - 7022 - 9005*

Non-standard: custom RAL colors available



Descrizione

Abbinata terra-soffitto

Floor-to-ceiling configuration with bracket

Colorazione

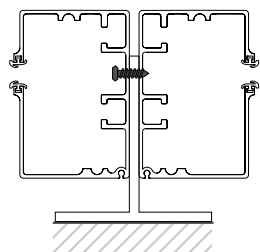
RAL in tinta: 9010 - 9016 - 1013 - 7035 - 9006
9007 - 7016 - 6009 - 8019 - 7022 - 9005

Fuori standard: Colori RAL a scelta

Standard: anodized aluminum

*Matching RAL colors: 9010 - 9016 - 1013 - 7035 - 9006 - 9007
7016 - 6009 - 8019 - 7022 - 9005*

Non-standard: custom RAL colors available



Descrizione

Abbinata terra-soffitto
con staffa

Floor-to-ceiling configuration with bracket

Colorazione

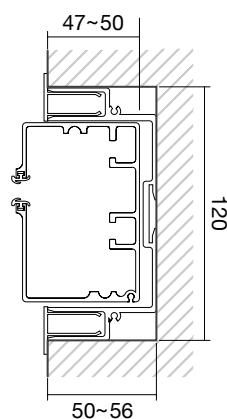
RAL in tinta: 9010 - 9016 - 1013 - 7035 - 9006
9007 - 7016 - 6009 - 8019 - 7022 - 9005

Fuori standard: Colori RAL a scelta

Standard: anodized aluminum

*Matching RAL colors: 9010 - 9016 - 1013 - 7035 - 9006 - 9007
7016 - 6009 - 8019 - 7022 - 9005*

Non-standard: custom RAL colors available



Descrizione

Applicazione Lupafix IC120

Lupafix IC 120 configuration

Colorazione

RAL in tinta: 9010 - 9016 - 1013 - 7035 - 9006
9007 - 7016 - 6009 - 8019 - 7022 - 9005

Fuori standard: Colori RAL a scelta

Standard: anodized aluminum

*Matching RAL colors: 9010 - 9016 - 1013 - 7035 - 9006 - 9007
7016 - 6009 - 8019 - 7022 - 9005*

Non-standard: custom RAL colors available

Installazione frangisole a catena

Chain External Venetian Blinds Installation

Installazione frangisole singolo

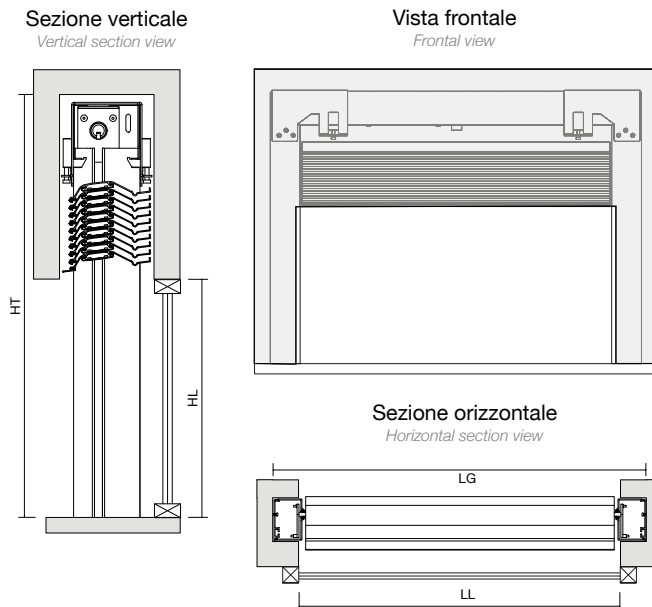
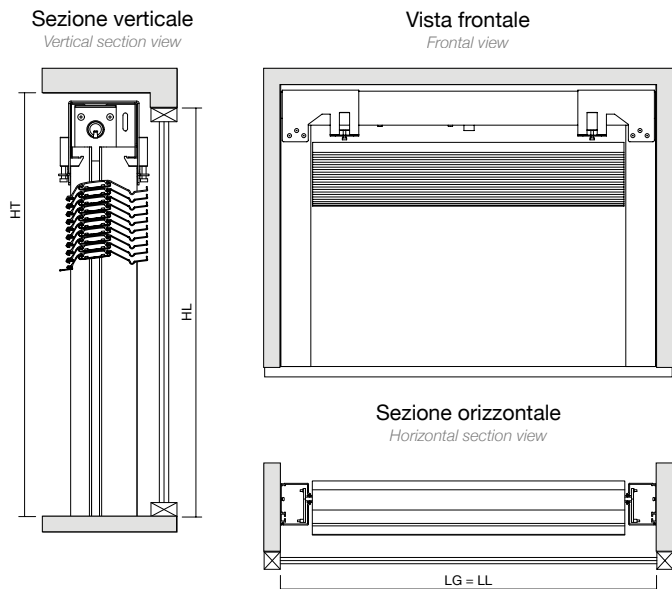
Single External Venetian Blind installation

Installazione in luce standard con guide in luce

Standard non-recessed installation with non-recessed side guides

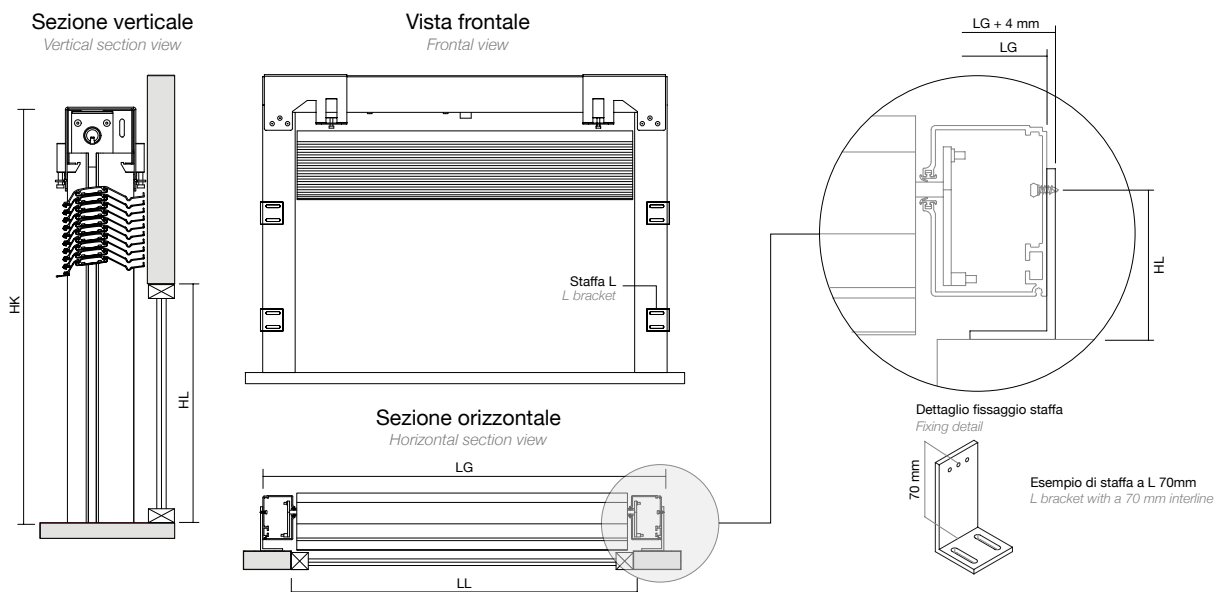
Installazione a scomparsa con guide incassate

Recessed installation with recessed side guides



Installazione Frontale¹

Frontal installation¹



Note

¹Fare attenzione alla misura massima disponibile sia in altezza (HT) che in larghezza. Le guide devono poggiare a terra oppure con staffe in grado di sostenere il peso della tenda.

Notes

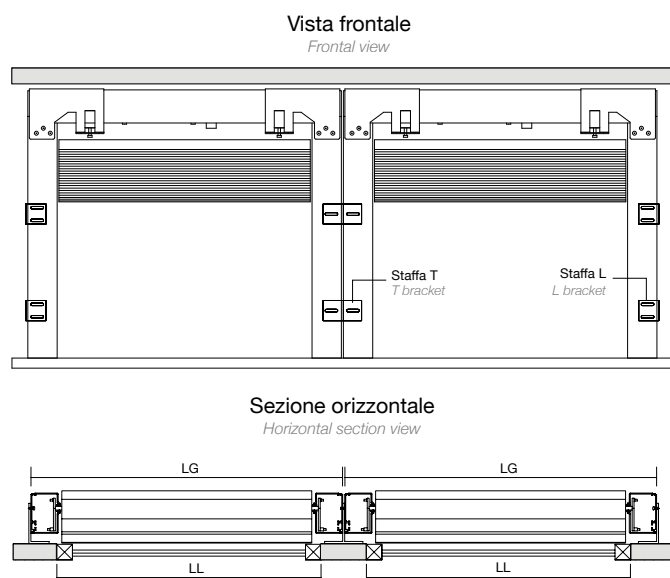
¹ Be sure to check the maximum available dimensions for both height (HT) and width. The guides must rest on the ground or be secured with brackets capable of supporting the weight of the tent.

Installazione frangisole doppio

Double External Venetian Blind installation

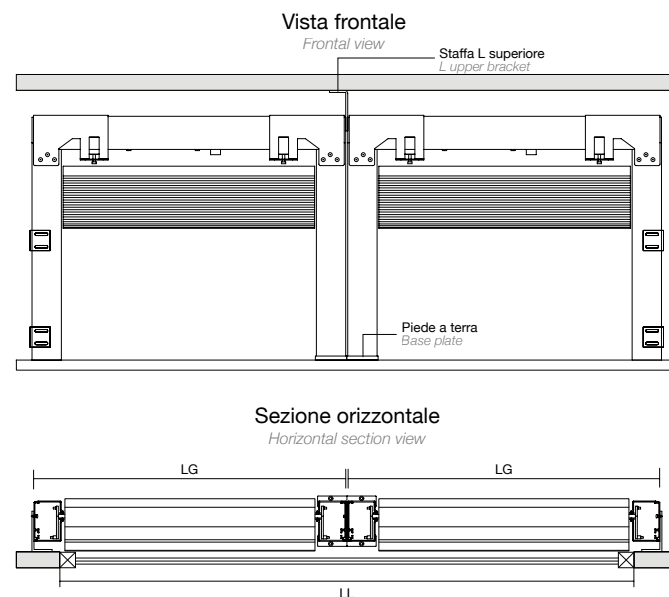
Installazione frontale con fissaggio frontale²

Frontal installation with frontal fixation²



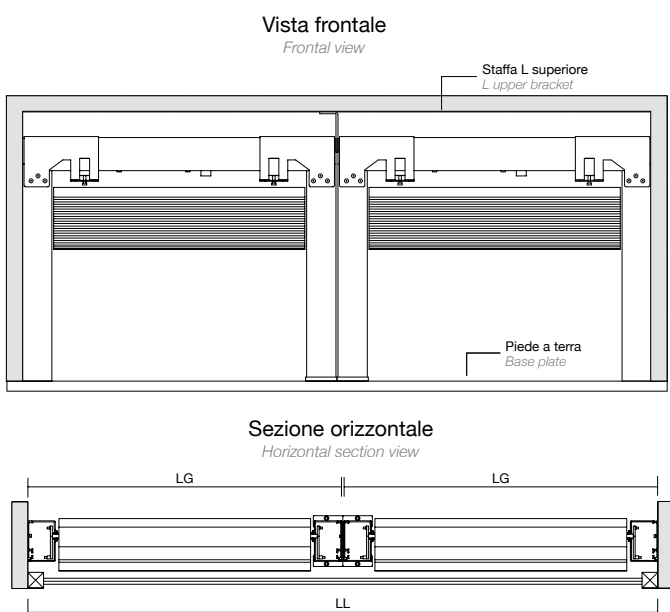
Installazione frontale con fissaggio terra-soffitto³

Frontal installation with ground-topside fixation³



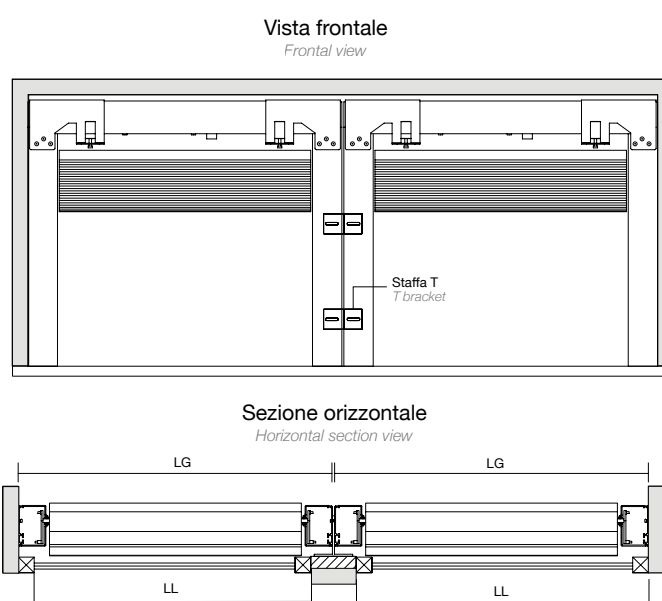
Installazione in luce con fissaggio terra-soffitto con guide in luce²

Standard non-recessed installation with ground-topside fixation with non-recessed side guides²



Installazione in luce con fissaggio frontale con guide in luce²

Standard non-recessed installation with frontal fixation with non-recessed side guides²



Note

² Le guide devono poggiare a terra oppure con staffe in grado di sostenere il peso della tenda.

³ È indispensabile fornire la distanza tra la banchina e l'architrave (HT) per poter fornire la staffa superiore idonea.

Notes

² The guides must rest on the ground or be secured with brackets capable of supporting the weight of the tent.

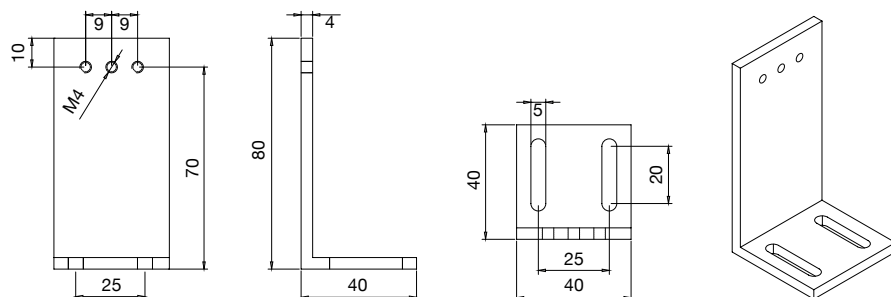
³ It is essential to provide the distance between the curb and the lintel (HT) in order to supply the appropriate top bracket.

Accessori di fissaggio

Fixing accessories

Staffa ad L

L bracket

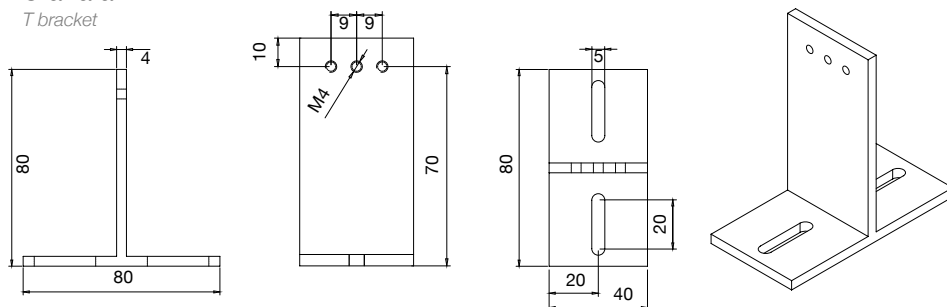


Usata per fissare le guide frontalmente nel caso di montaggio oltre luce. Dimensioni standard con interasse di 70 mm.

It is used to install the rail guides over the side walls. standard dimension with 70 mm centreline

Staffa a T

T bracket

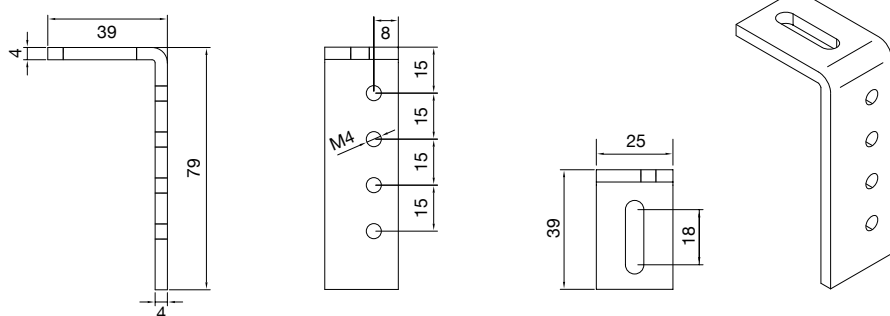


Usata per fissare le guide centrali accoppiate quando si ha la possibilità di ancorarsi nella parte dietro guida. Dimensioni standard con interasse di 70 mm.

It is used to install the central coupled rail guides when the fixing in the rear part of the guide is possible. With standard dimensions, the centreline is 70 mm.

Staffa ad L per fissaggio a soffitto

L bracket for fixation on lintel

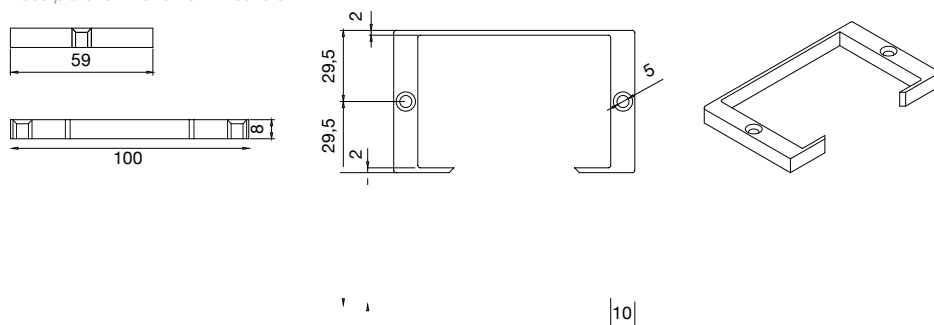


Da abbinare al piedino per il fissaggio a terra, necessaria per fissare le guide centrali accoppiate a soffitto/architrave.

It is necessary to fix the central coupled rail guides onto the topside/lintel, it is combined with base plate to confer more stability.

Piede per fissaggio a banchina

Base plate for fixation on threshold



Da abbinare con la staffa ad "L" per il fissaggio a soffitto, necessaria per fissare le guide centrali accoppiate a terra su banchina.

It is necessary to fix the central coupled rail guides on threshold. It is combined with the "L" bracket to confer more stability.

Grano di giunzione

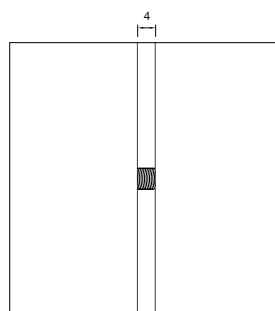
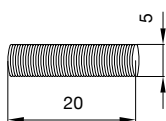
Threaded screw for coupled rail guides fixation

Fornito quando le guide centrali sono accoppiate con fissaggio terra/soffitto. Il grano 5x20 andrà inserito nell'inserto filettato.

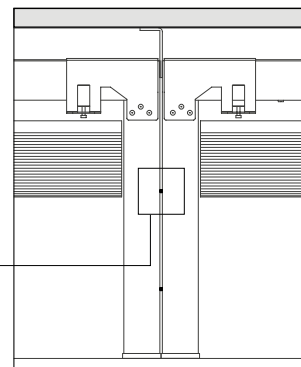
NB: Tra le guide rimarranno 4 mm equivalente allo spessore delle staffe

It is provided when the central rail guides are coupled and installed with ground/topside fixation. the screw m5x20 goes into the designated threaded insert.

NB: there will be 4 mm of distance in between the two rail guides because of the brackets' thickness.



Particolare grano tra le guide
Detail of threaded screw between guides



Vista frontale
Frontal view

Motori

Motors

ELERO JA06 Soft



Motore cablato con finecorsa meccanici e freno soft, adatto per testa motore a partire da H51mm x L57mm.

Motor wired with mechanical limit switches and soft brake, suitable for motor heads starting from H51 mm x W57 mm.

Coppia <i>Torque</i>	6Nm
Velocità <i>Speed</i>	26rpm
Tensione (min/max) <i>Tension min/max</i>	1-230V
Frequenza <i>Frequency</i>	50Hz
Freno soft silenzioso <i>Power consumption during operation</i>	Sì
Corrente nominale <i>Rated current</i>	0,5A
Consumo in funzionamento <i>Power consumption during operation</i>	115W
Lunghezza <i>Length</i>	228mm
Peso <i>Weight</i>	1,77kg
Temperatura di utilizzo <i>Operating temperature</i>	-20/60°C

ELERO JA09 Soft



Motore cablato con finecorsa meccanici e freno soft, adatto per testa motore a partire da H51mm x L57mm.

Motor wired with mechanical limit switches and soft brake, suitable for motor heads starting from H51 mm x W57 mm.

Coppia <i>Torque</i>	9Nm
Velocità <i>Speed</i>	26rpm
Tensione (min/max) <i>Tension min/max</i>	1-230V
Frequenza <i>Frequency</i>	50Hz
Freno soft silenzioso <i>Power consumption during operation</i>	Sì
Corrente nominale <i>Rated current</i>	0,68A
Consumo in funzionamento <i>Power consumption during operation</i>	156W
Lunghezza <i>Length</i>	260mm
Peso <i>Weight</i>	1,89kg
Temperatura di utilizzo <i>Operating temperature</i>	-20/60°C

Accessori

Optional



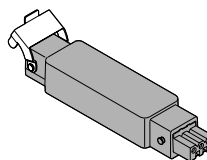
Telecomando
a 1 canale
DOMI P1 SV

*1-channel remote controller
DOMI P1 SV*



Telecomando
a 6 canali
DOMI P6 SV

*6-channels remote controller
DOMI P6 SV*



Ricevente TT1VR

Receiver TT1VR

SOMFY J406 6/24 Io Protect



Motore quadro radio 230 V per frangisole esterni a 3 canali. Regolazione a distanza tramite trasmettitore io-homecontrol.

Motor wired with mechanical limit switches and soft brake, suitable for motor heads starting from H51 mm x W57 mm.

Coppia <i>Torque</i>	6 Nm
Velocità <i>Speed</i>	24 rpm
Tensione (min/max) <i>Tension min/max</i>	195.5V / 255V
Frequenza <i>Frequency</i>	50 Hz
Numero canali <i>Number of channels</i>	3
Corrente nominale <i>Rated current</i>	0,5A
Consumo in funzionamento <i>Power consumption during operation</i>	95W
Lunghezza <i>Length</i>	380 mm
Peso <i>Weight</i>	1,5 kg
Temperatura di utilizzo <i>Operating temperature</i>	-20/70°C

SOMFY J410 10/24 Io Protect



Motore quadro radio 230 V per frangisole esterni a 3 canali. Regolazione a distanza tramite trasmettitore io-homecontrol.

Motor wired with mechanical limit switches and soft brake, suitable for motor heads starting from H51 mm x W57 mm.

Coppia <i>Torque</i>	10 Nm
Velocità <i>Speed</i>	24 rpm
Tensione (min/max) <i>Tension min/max</i>	195.5V / 255V
Frequenza <i>Frequency</i>	50 Hz
Numero canali <i>Number of channels</i>	3
Corrente nominale <i>Rated current</i>	0,5A
Consumo in funzionamento <i>Power consumption during operation</i>	110W
Lunghezza <i>Length</i>	380 mm
Peso <i>Weight</i>	1,7 kg
Temperatura di utilizzo <i>Operating temperature</i>	-20/70°C

Accessori *Optional*



**Telecomando
a 1 canale
SITUO 1 IO**

*1-channel remote controller
SITUO 1 IO*



**Telecomando
a 5 canali
SITUO 5 IO**

*5-channels remote controller
SITUO 5 IO*

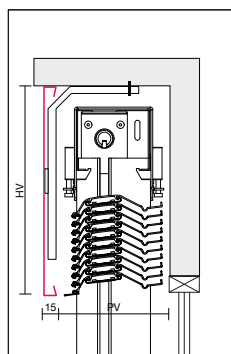


**Ricevente
EVB SLIM IO**

Receiver EVB SLIM IO

Velette

Front cover panels

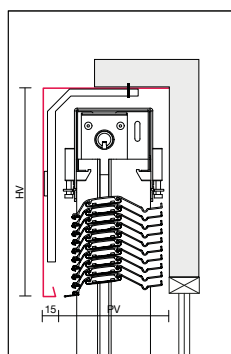
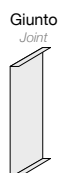
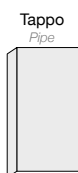
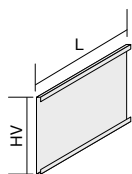


MOD. A

MOD. A Front cover panel

Per applicazione in luce rispetto al muro.

For flush-with-wall applications.

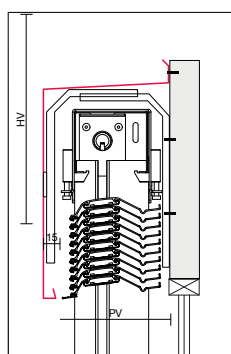
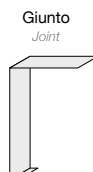
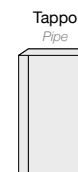
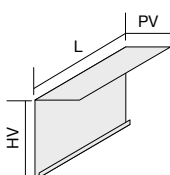


MOD. B

MOD. B Front cover panel

Per applicazione in luce rispetto al muro.

For flush-with-wall applications.

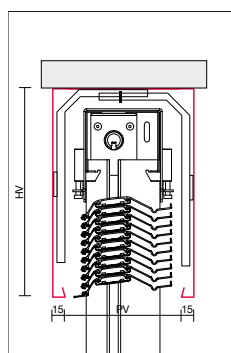
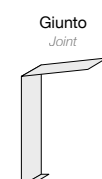
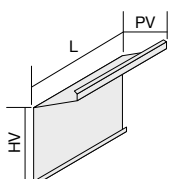


MOD. C

MOD. C Front cover panel

Per applicazione frontali rispetto al muro.

For front-mounted wall applications.

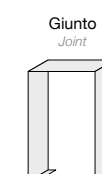
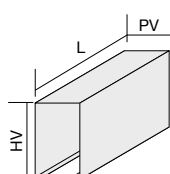


MOD. D

MOD. D Front cover panel

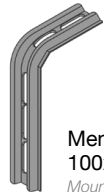
Per applicazione in luce rispetto al muro.

For flush-with-wall applications.

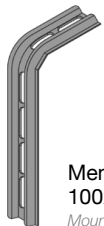


Accessori velette

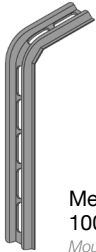
Front cover panels optionals



Mensola per fissaggio
100x145mm
Mounting Bracket 100x145mm



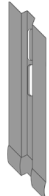
Mensola per fissaggio
100x190mm
Mounting Bracket 100x195mm



Mensola per fissaggio
100x235mm
Mounting Bracket 100x235mm



Giunto per mensole
Shelf Connector



Aletta grande
per fissaggio mensola
Large bracket for mounting a shelf



Aletta piccola
per fissaggio mensola
Small bracket for mounting a shelf

Dimensioni velette e componenti

Dimensions of the veils and required components

Altezza min/max	Componenti
180-210mm	Mensola 100x145 2 alette piccole
220-230mm	Mensola 100x190 2 alette piccole
240-269mm	Mensola 100x145 1 aletta piccola 1 aletta grande
270-300mm	Mensola 100x190 1 aletta piccola 1 aletta grande
310-350mm	Mensola 100x235 2 alette grandi
360-550mm	Mensola 100x235 2 alette grandi 1 giunto

Colori frangisole

External Venetian Blinds colours

Standard

Standard colours

RAL9010 <i>Bianco puro</i>	RAL9016 <i>Bianco traffico</i>	RAL1013 <i>Bianco perla</i>	RAL7035 <i>Grigio luce</i>	RAL9006 <i>Alluminio brillante</i>	RAL9007 <i>Alluminio giallastro</i>
RAL7016 <i>Grigio antracite</i>	RAL6021 <i>Verde pallido</i>	RAL6005 <i>Verde muschio</i>	RAL6009 <i>Verde abete</i>	RAL8017 <i>Marrone cioccolato</i>	RAL8019 <i>Marrone giallastro</i>
RAL7022 <i>Grigio ombra</i>	RAL9005 <i>Nero intenso</i>				

Touch

Touch colours

RAL1019 TOUCH	TOUCH	TOUCH
Beige	Marrone	Nero

Colori compatibili solo con modelli 90-Z, 90-S, 70-Z, Bold e Esse. Non compatibili con modelli 80-C, 65-C e Light. Disponibili con supplemento. Superficie della lamella gofrata e con maggiore resistenza alla corrosione grazie al doppio strato in poliestere.

Available only for models 90-Z, 90-S, 70-Z, 97, and 97 Esse. Not available for models 80-C and 65-C. Available at an additional cost. The slat surface features an embossed finish and enhanced corrosion resistance thanks to a double polyester coating.

Plus

Plus colours

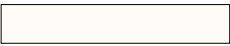
RAL9003 <i>Bianco segnale</i>	RAL9001 <i>Bianco crema</i>	RAL1015 <i>Avorio chiaro</i>	RAL8003 <i>Marrone fango</i>	RAL3005 <i>Rosso vino</i>	RAL5010 <i>Blu genziana</i>
RAL7004 <i>Grigio segnale</i>	RAL7036 <i>Grigio platino</i>	RAL7038 <i>Grigio agata</i>	RAL7021 <i>Grigio nerastro</i>		

Colori compatibili solo con modelli 90-Z, 90-S, 70-Z, Bold, Esse e Light. Non compatibili con modelli 80-C e 65-C. Disponibili con supplemento.

Available only with models 90-Z, 90-S, 70-Z, 97, 97 Esse, and 97 Light. They are not compatible with models 80-C and 65-C. Available at an additional cost.

Gtot colori standard

Colours Gtot

		Frangisole chiuso ermeticamente <i>Hermetically closed EVB</i>			Frangisole a 45° <i>EVB at 45° angle</i>			Vetrata + frangisole <i>Glazing + EVB</i>	
Codici RAL <i>RAL codes</i>		teB	reB	aeB	teB, corr	reB, corr	aeB, corr	Gtot	Gtot 45°
	9010	0,1	0,7	0,2	0,17	0,574	0,256	0,084	0,135
	9016	0,1	0,7	0,2	0,17	0,574	0,256	0,084	0,135
	1013	0,1	0,7	0,2	0,17	0,574	0,256	0,084	0,135
	7035	0,1	0,7	0,2	0,17	0,574	0,256	0,084	0,135
	9006	0,1	0,7	0,2	0,17	0,574	0,256	0,084	0,135
	9007	0,1	0,7	0,2	0,17	0,574	0,256	0,084	0,135
	7016	0,1	0,3	0,6	0,11	0,246	0,644	0,119	0,130
	6005	0,1	0,5	0,4	0,14	0,410	0,450	0,102	0,132
	6021	0,1	0,5	0,4	0,14	0,410	0,450	0,102	0,132
	6009	0,1	0,5	0,4	0,14	0,410	0,450	0,102	0,132
	8017	0,1	0,5	0,4	0,14	0,410	0,450	0,102	0,132
	7022	0,1	0,3	0,6	0,11	0,246	0,644	0,119	0,130
	8019	0,1	0,3	0,6	0,11	0,246	0,644	0,119	0,130
	9005	0,1	0,3	0,6	0,11	0,246	0,644	0,119	0,130

Coefficiente di trasmissione energetica totale per protezioni solari esterne
 “chiuse” con vetrate. Vetrate di riferimento C secondo EN 14501 - $g=0.59$ -
 $U=1.20$ [W/m²K]

*Total solar energy transmittance coefficient for external sun protection devices in the “closed” position with glazing.
 Reference glazing type C according to EN 14501 - $g=0.59$ - $U=1.20$ [W/m²k]*

Note

Notes

This image shows a full page of a document template designed for handwritten notes or essays. It features a series of evenly spaced, light gray horizontal lines across the entire width of the page. The lines are thin and consistent in color and thickness, providing a guide for writing without being distracting. There are no margins, headers, footers, or other markings present on the page.

Seraplastic | Citea

Via della Molinara, 49/C
24064 Grumello del Monte, BG
+39 035 830408
info@seraplastic.it

Via Druento, 286
10078 Venaria Reale, TO
+39 011 4246877
info@citea.it



[@seraplastic](#)



www.seraplastic.it

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