





TECHNICAL SHEET



PERGOSTAR CLASSIC

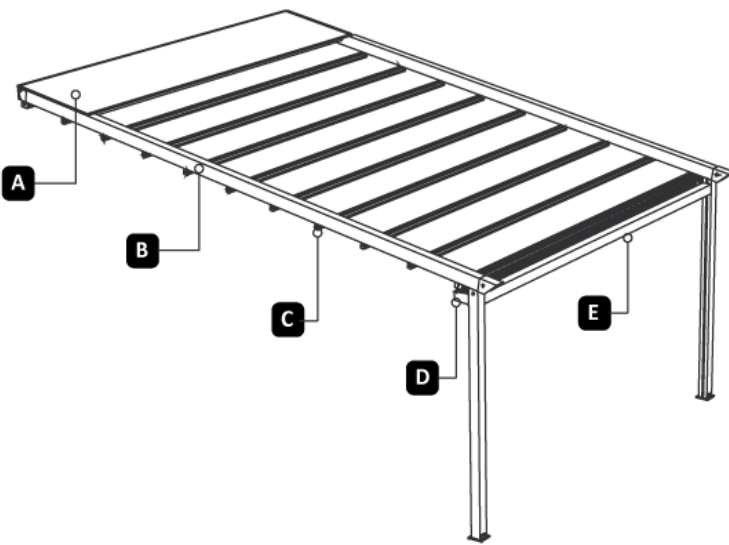
It is a straight, retractable pergola with taut canvas. The canvas is attached to a system of aluminum profiles called "palillas" (sticks), which move along straight rails to open them, thanks to specially designed trolleys. Its mechanism is powered by an electric motor specifically designed for this product; it can withstand strong weather changes and winds of up to 80 km/h (not guaranteed due to snow overload).



TECHNICAL CHARACTERISTICS

– Structure made of 6063-T5 or 6063-T6 aluminum profiles.

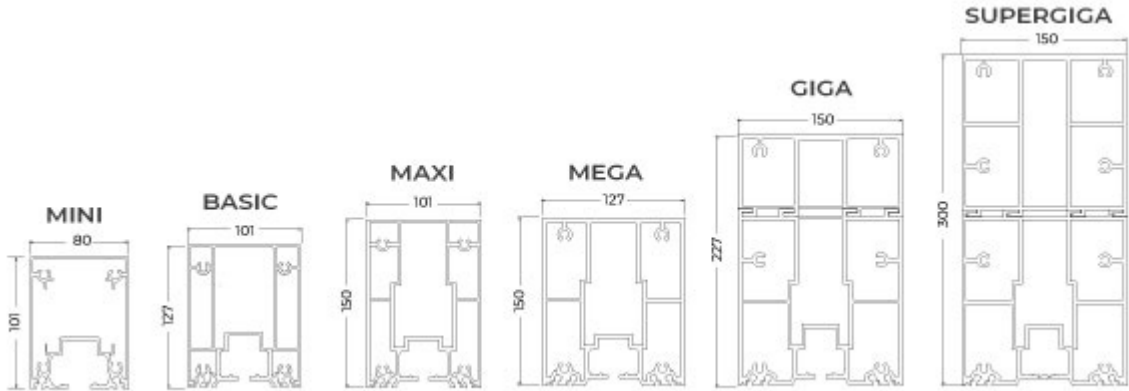
- Lacquered finish with electrostatic powder coating or anodized.
- Stainless steel screws and fasteners.
- 15% slope by default, 10% minimum slope and 25% maximum slope.
- It can cover up to 162 m² in the triple module configuration.
- Resistant to winds up to 9° on the Beaufort scale at 80 km/h with 6063 T5 alloy and 95 km/h with 6063 T6 alloy.
- Torque engine with dual Tuscan transmission.
- RTS remote control for motor and lighting, option via cell phone.
- All our products are "ALL SEASONS".
- If local installation regulations require a stronger post, our system allows you to double the post thickness over its entire length, increasing its mechanical strength by up to 45%.



TO	COVER
B	RAIL
C	Toothpicks
D	POST
AND	CHANNEL

RAIL PROFILES

These are the profiles whose function is to serve as a rail for the carriages that deploy the blades to move through.



MINI	76 x 100
BASIC	101 X 127
MAXI	101 X 150
MEGA	127 X 150
JIG	150 X 227
SUPERGIGA	150 X 300

ILLUMINATED SMOOTH PROFILES

These are the profiles that function as beams and posts, which are responsible for the structure of the pergola. Along with them come the web profiles, which fulfill the function of assembling the different parts of the pergola.

Each profile is compatible with a specific type of rail:

- A) Profile 76 x 76 mm – compatible with Mini rail
- B) Profile 101 x 101 mm – compatible with Basic and Maxi rail
- C) Profile 127 x 127 mm – compatible with Mega rail

A	B	C	D
			

PALILLERIA AND CHANNEL

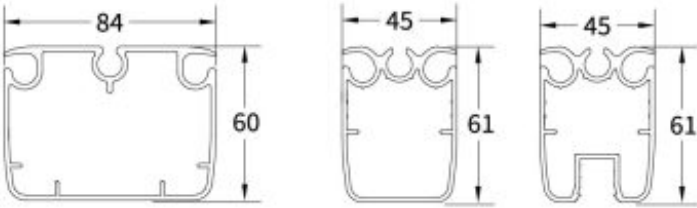
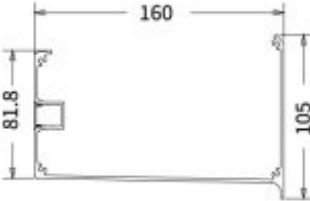
E) Toothpick holder (compatible with all guides)

-Large stick 84 x 60 mm

-Small LED Spot stick 45 x 61 mm

-Small LED Strip Stick 45 x 61 mm

F) Channel 131 x 181 x 187 mm (compatible with Mini, Basic, Maxi, Mega, Giga)

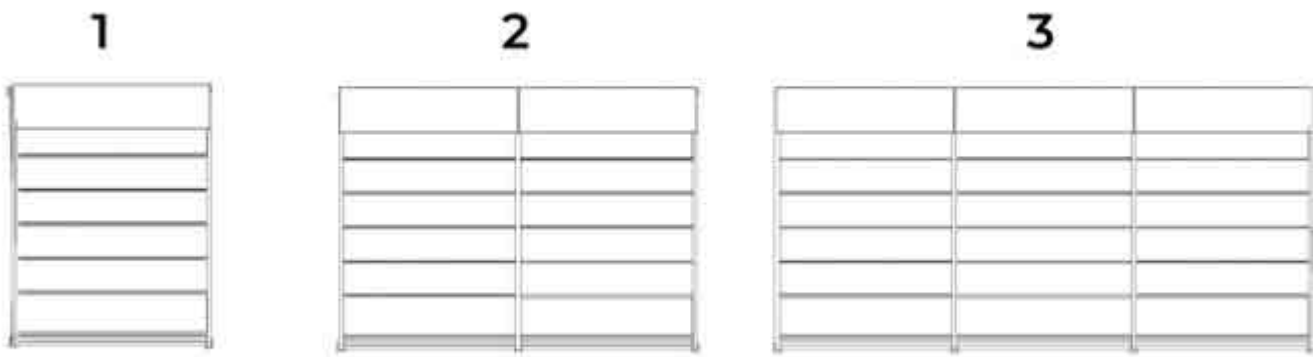
E	F
	



GENERAL MEASURES

RAILS	A) PROJECTION			B) LENGTH		
	1 MODULE	2 MODULES	3 MODULES	1 MODULE	2 MODULES	3 MODULES
MINI	2,5 to 5,8	2,5 to 5	2,5 to 5	2,5 to 5	5 to 9	9 to 13,5
BASIC	2,5 to 7	2,5 to 7	2,5 to 7	2,5 to 5	5 to 9	9 to 13,5
MAXI	7 to 8	7 to 8	7 to 8	2,5 to 5	5 to 9	9 to 13,5
MEGA	8 to 9,5	8 to 9,5	8 to 9,5	2,5 to 5	5 to 9	9 to 13,5
JIG	9,5 to 12	9,5 to 12	9,5 to 12	2,5 to 5	5 to 9	9 to 13,5
SUPERGIGA	12 to 15	12 to 15	12 to 15	2,5 to 5	5 to 9	9 to 13,5

Our standard product withstands up to 80 km/hour at its largest length (15 m x 5 m single), (15 m x 9 m for double) or (15 m x 13.5 m for triple).

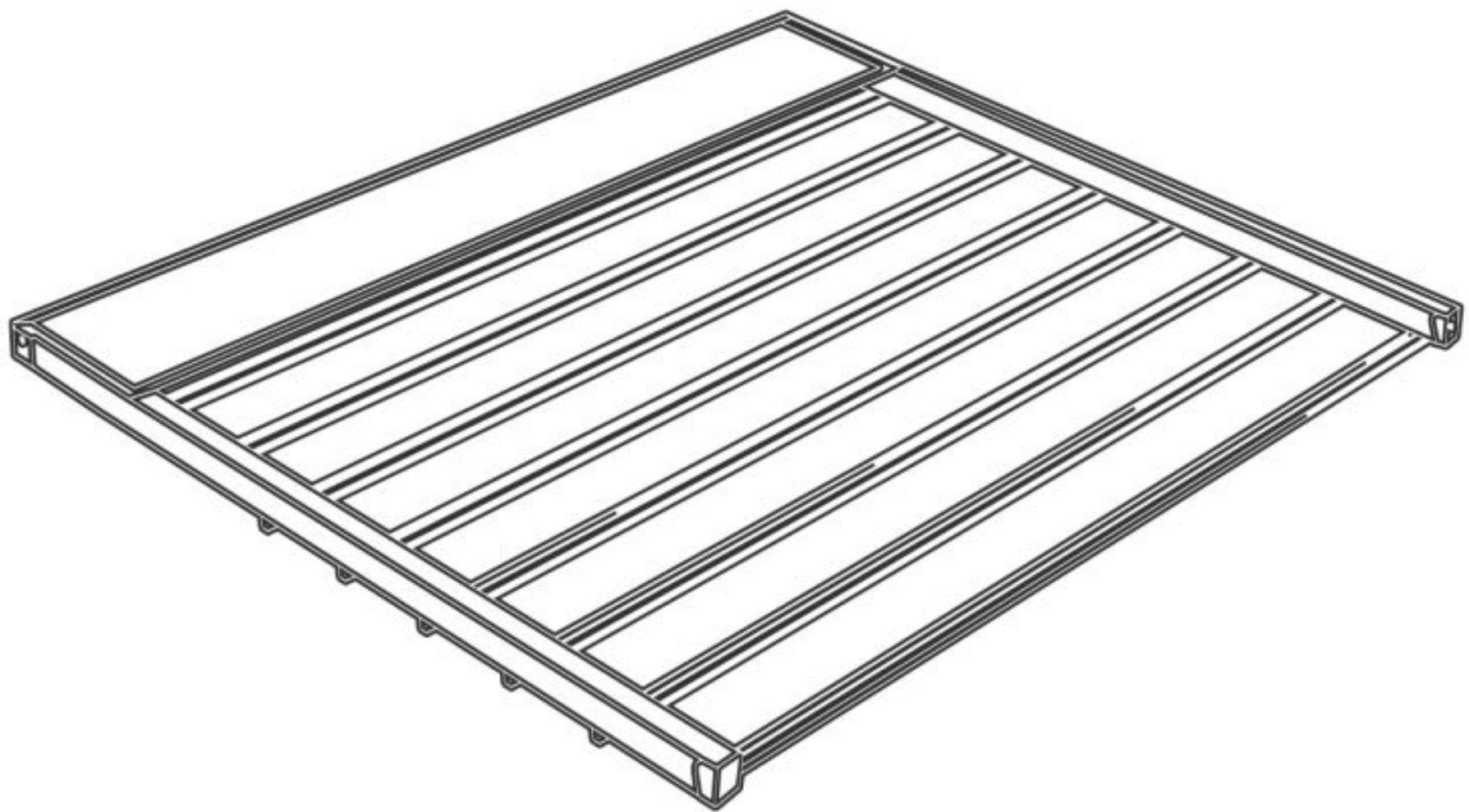


1) Single module 2) Double module 3) Triple module

INSTALLATION TYPES

BETWEEN WALLS

This type of configuration allows the pergola to be installed on two facades, one rear and one front, avoiding the use of any support structure, whether posts or tensioners, achieving a clean covered area, without any elements that affect the view.

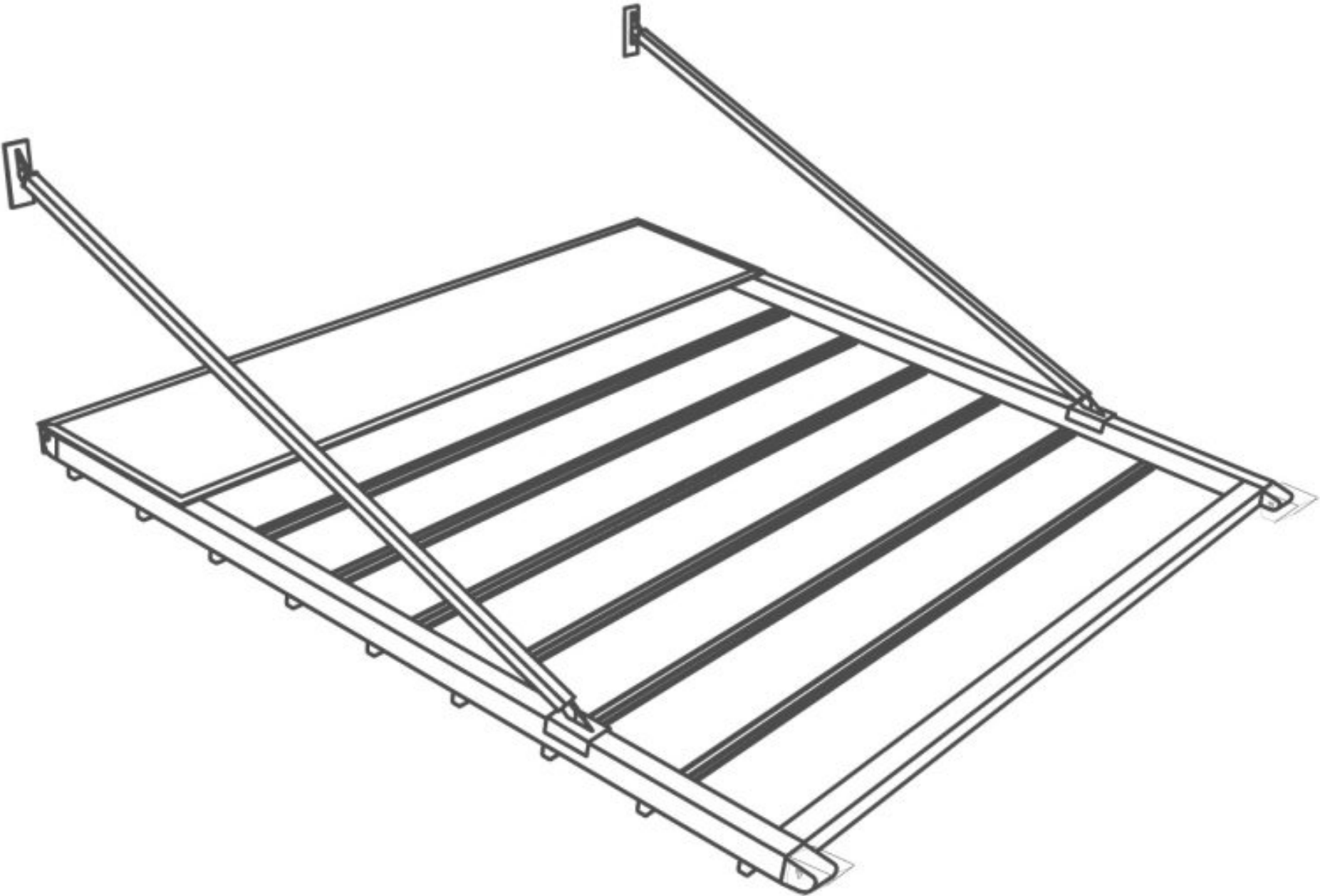
**WITH POSTS**

This type of configuration allows the pergola to be mounted directly to the facade from the rails; the front, depending on the length, is supported by two or more posts.



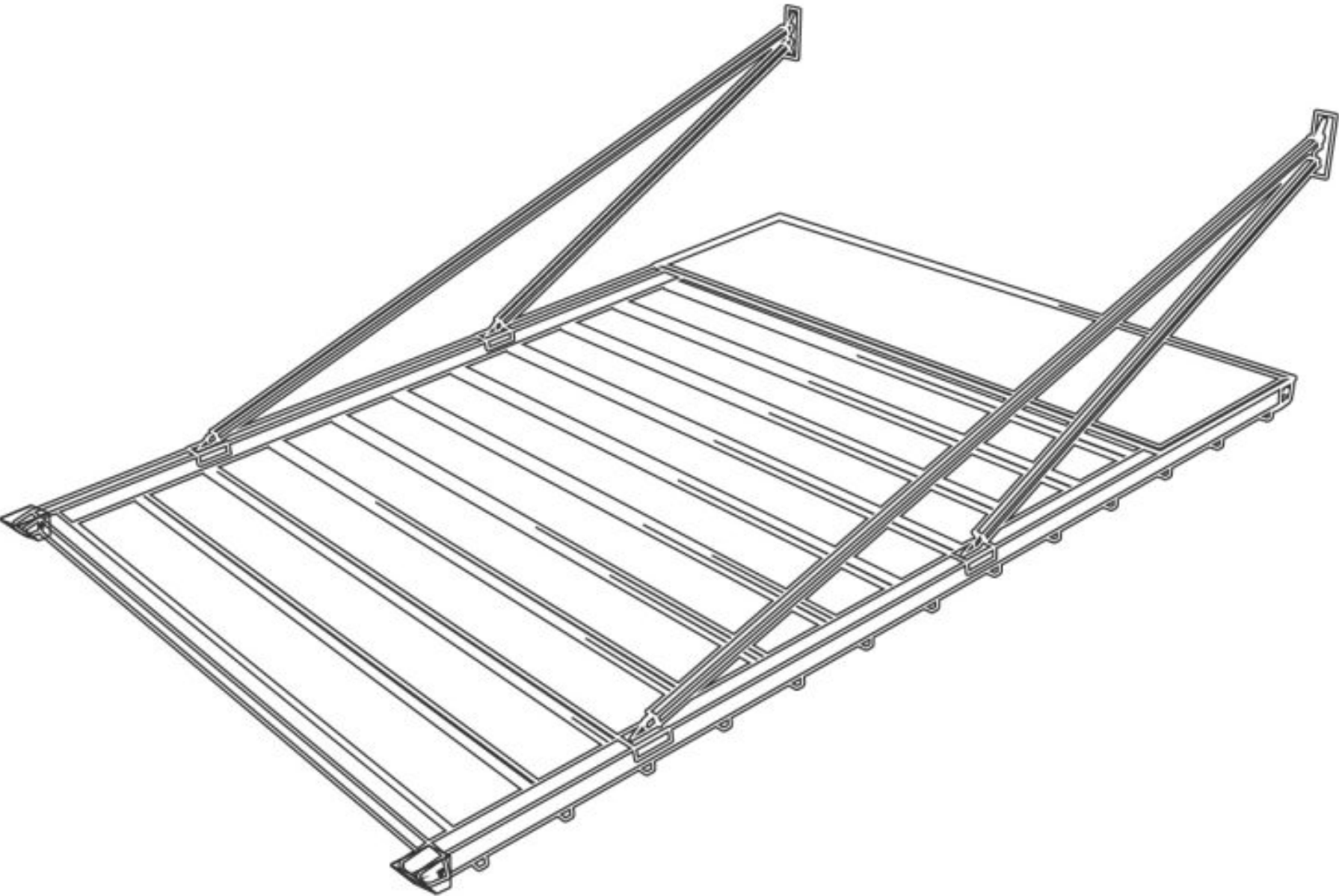
SINGLE TENSIONER

This type of configuration allows the pergola to be attached to the facade using tensioners, leaving the panoramic view free of any posts. For projections less than 4.5 m, a single tensioner per rail is required.



DOUBLE TENSIONER

This type of configuration allows the pergola to be attached to the facade using tensioners, leaving the panoramic view clear of any posts. For projections greater than 4,5 m, a double tensioner per rail is required.



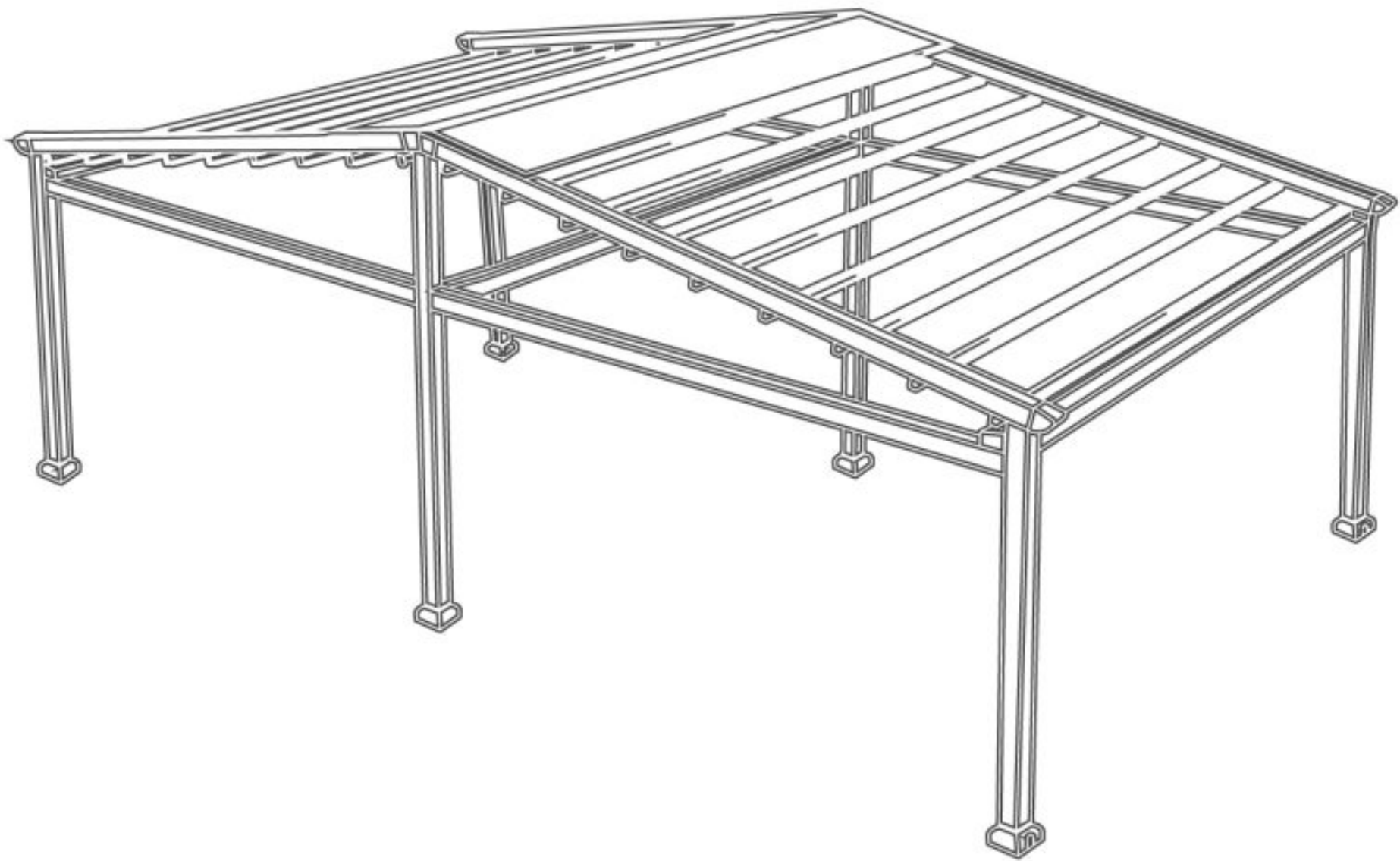
Gazebo

This type of configuration allows the pergola to be installed self-supportingly, i.e., without the need for a façade, using posts that support the rails at each end.

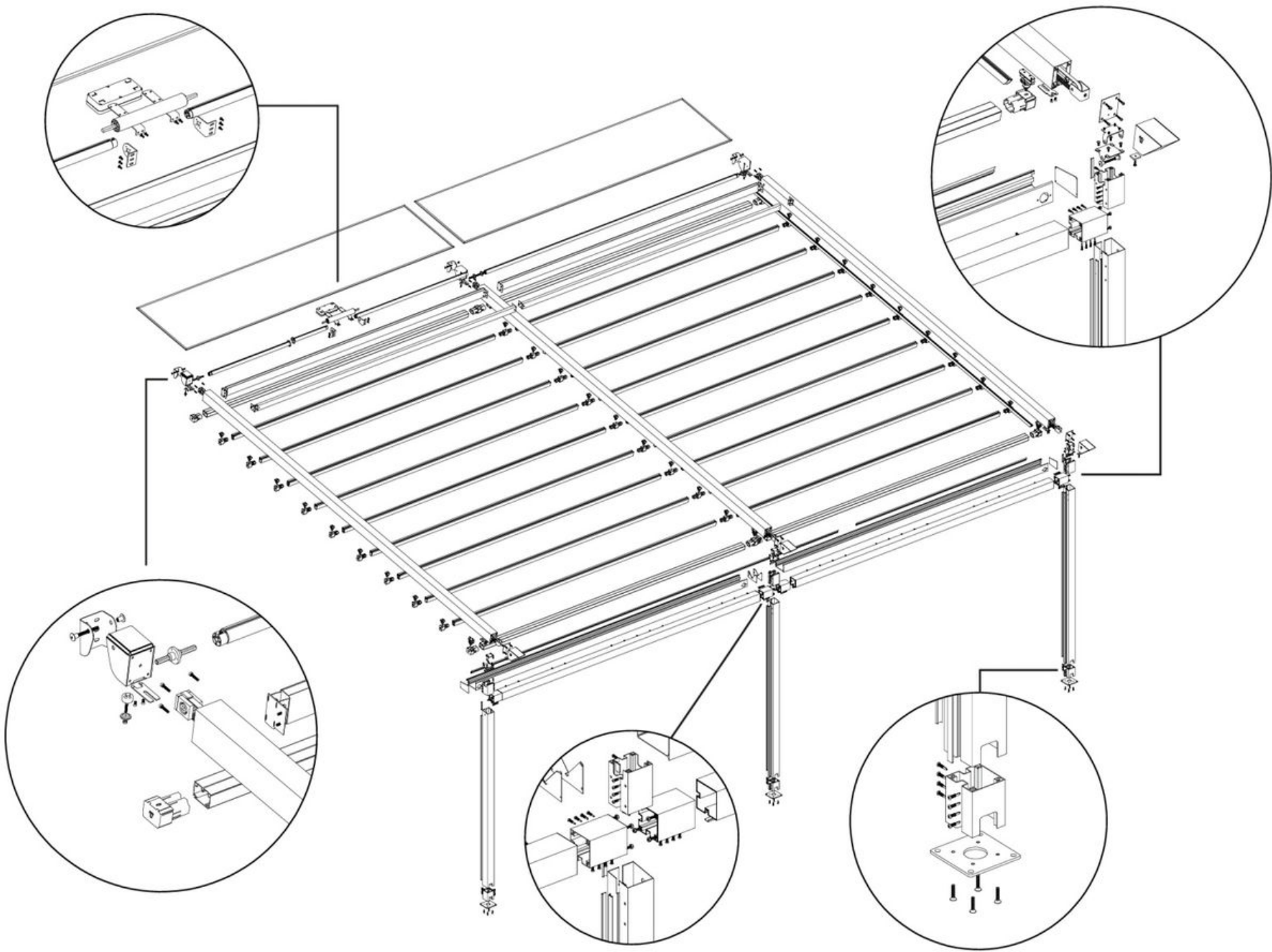


DOUBLE GAZEBO

This type of configuration allows the pergola to be installed in the same way as a conventional gazebo, however, it allows for a larger area to be covered because the two pergolas share the same rear posts.

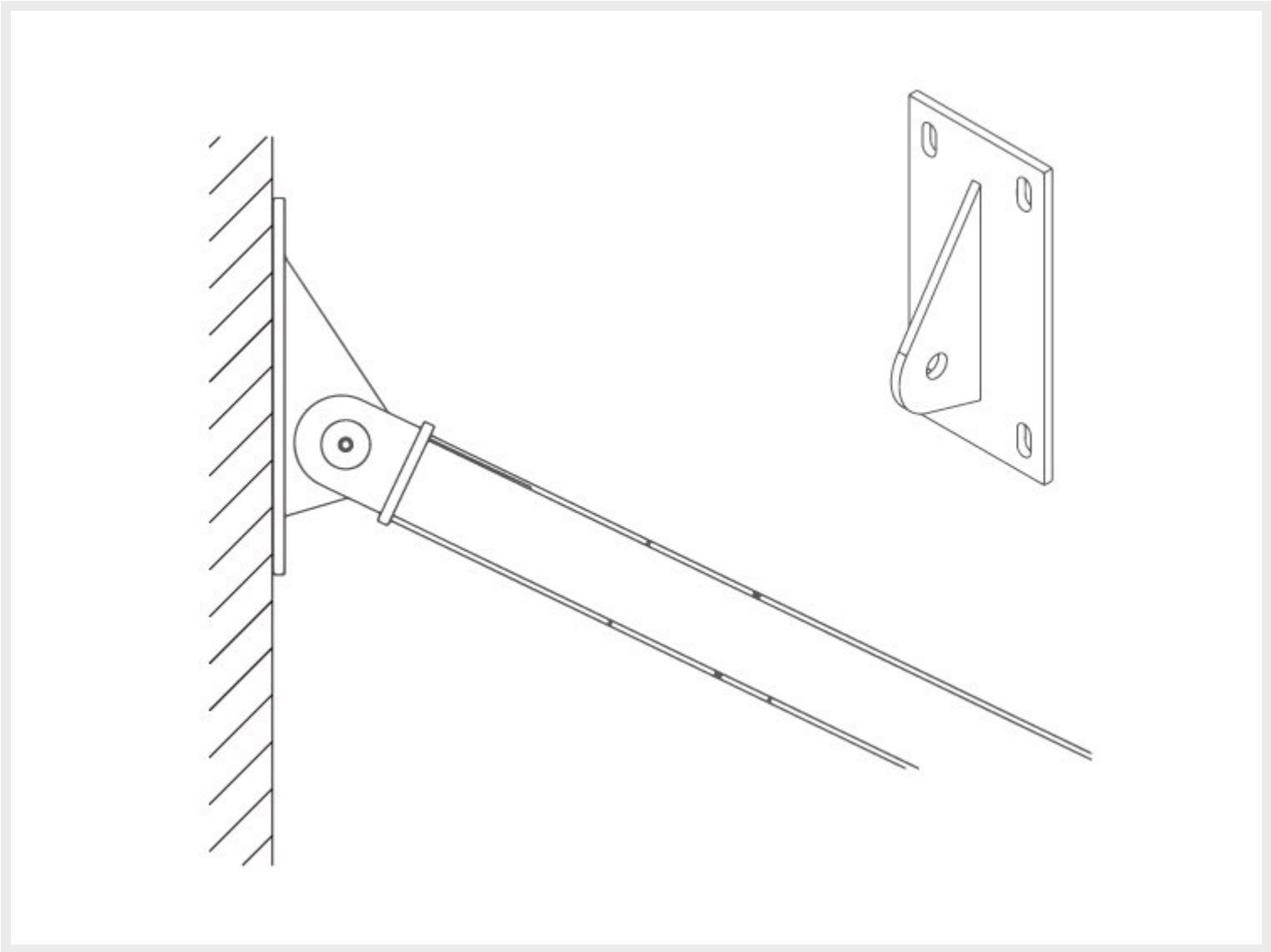


PERGOSTAR CLASSIC EXPLOSION

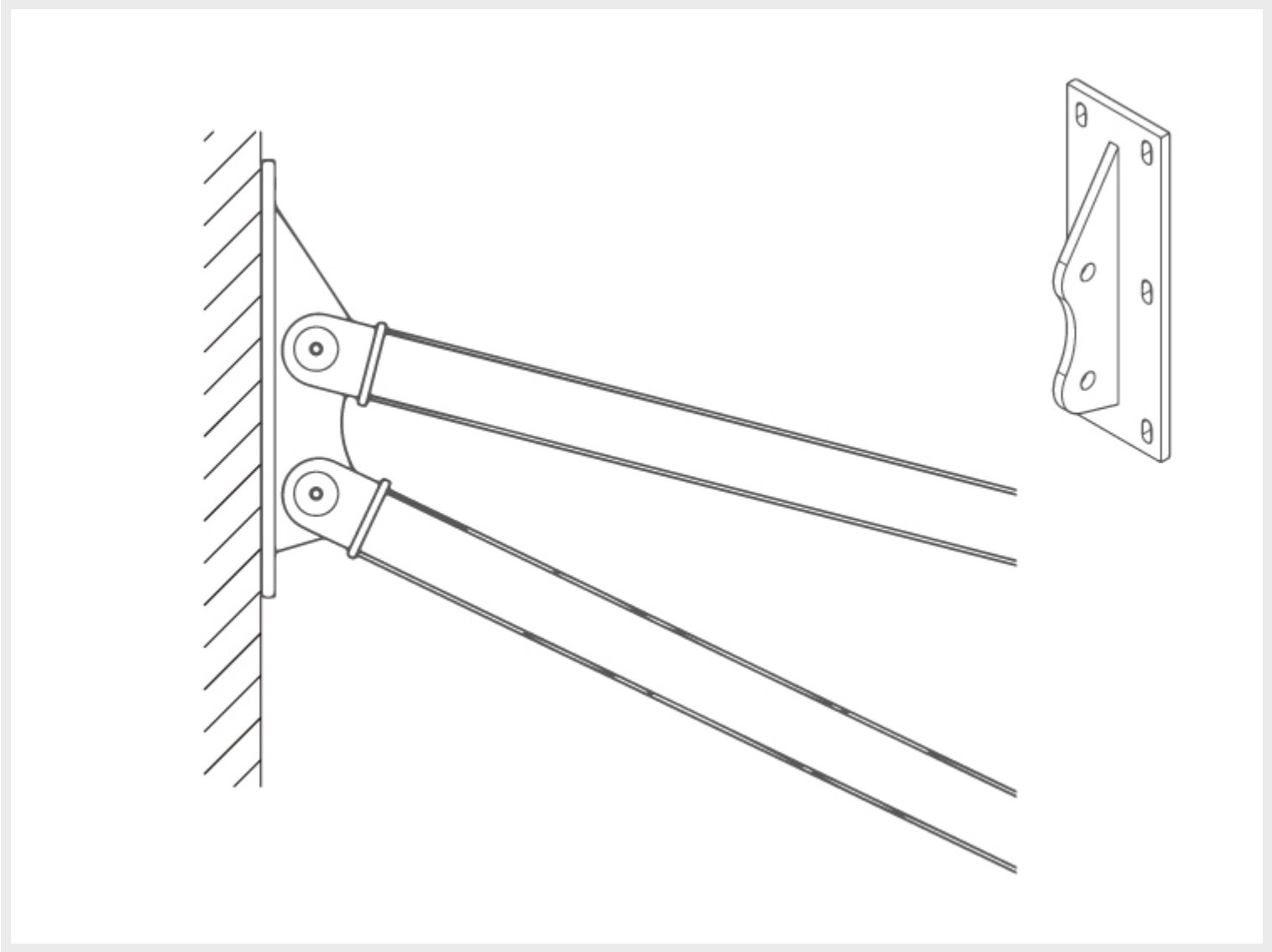


TYPES OF ANCHORING

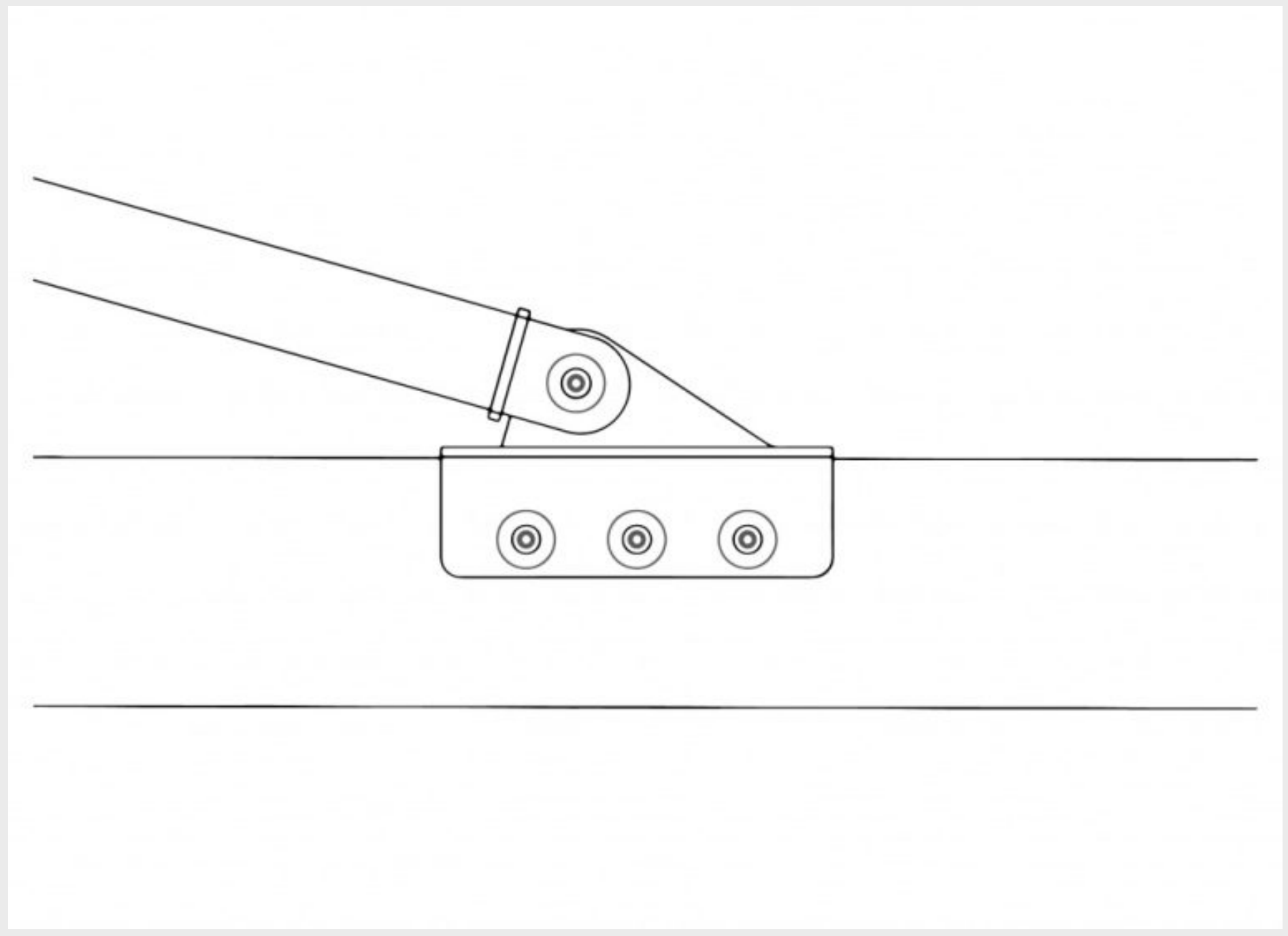
SINGLE TENSIONER ANCHOR TO WALL



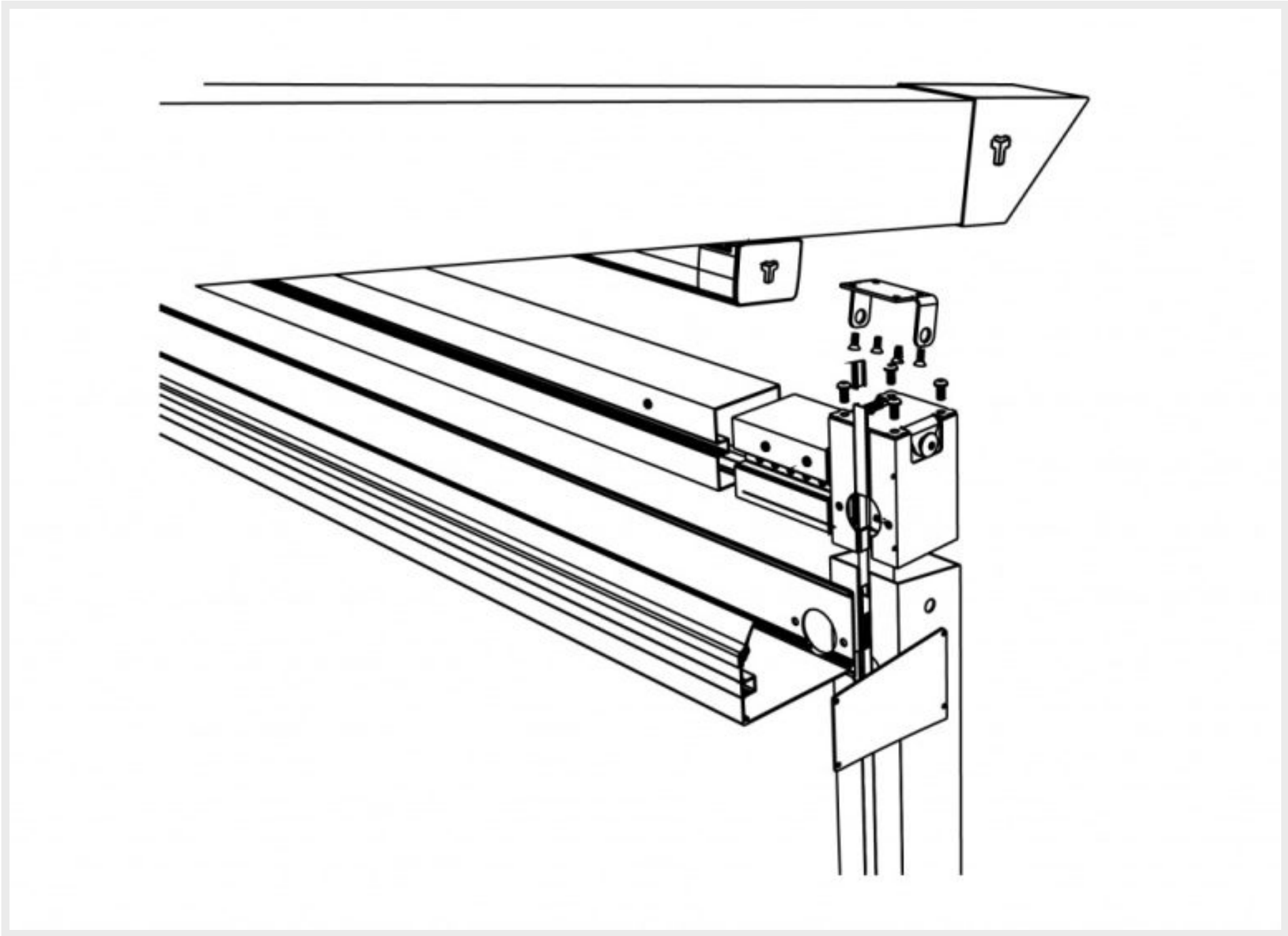
DOUBLE TENSIONER ANCHOR TO WALL



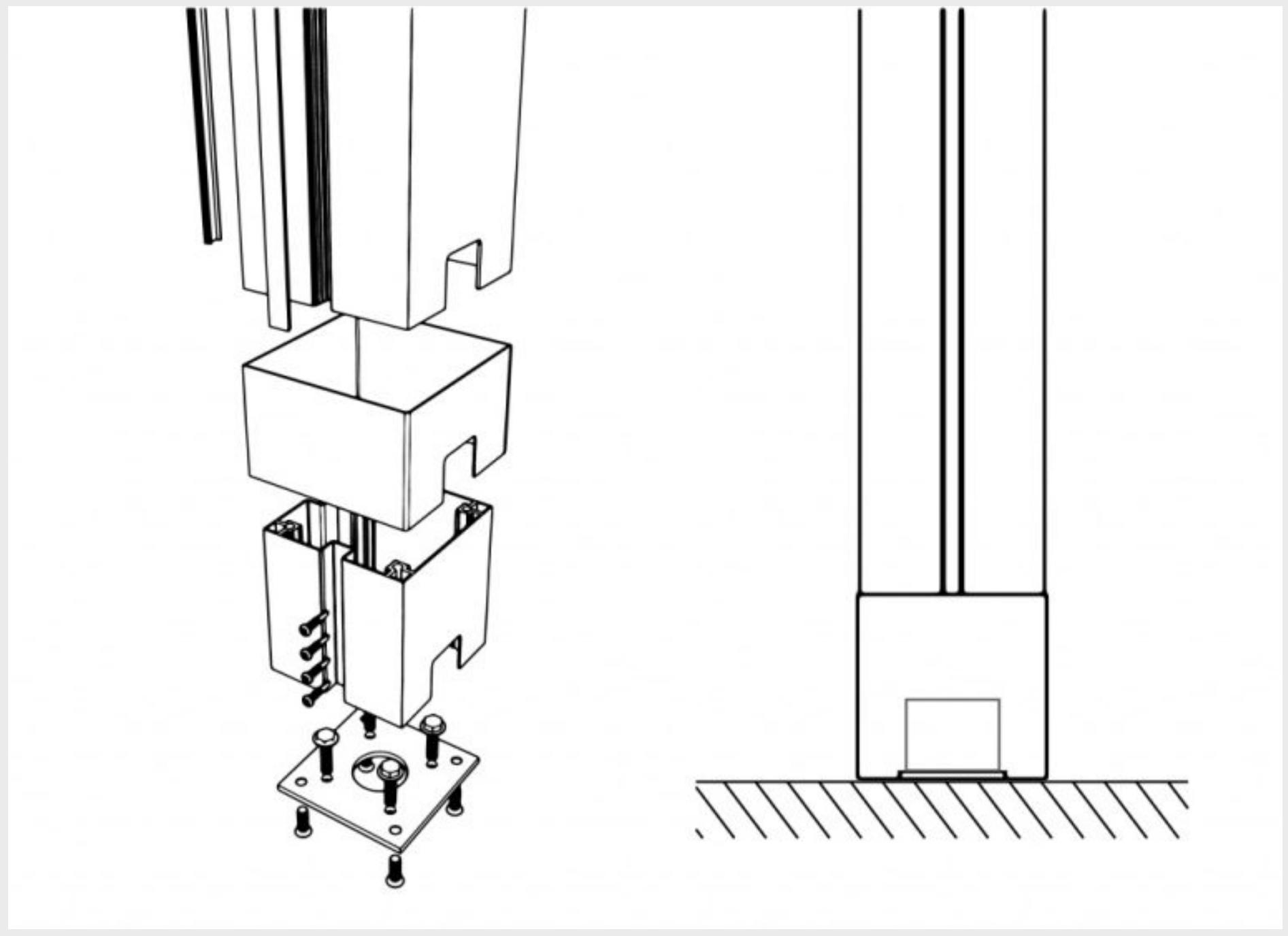
TENSIONER FIXING TO RAIL



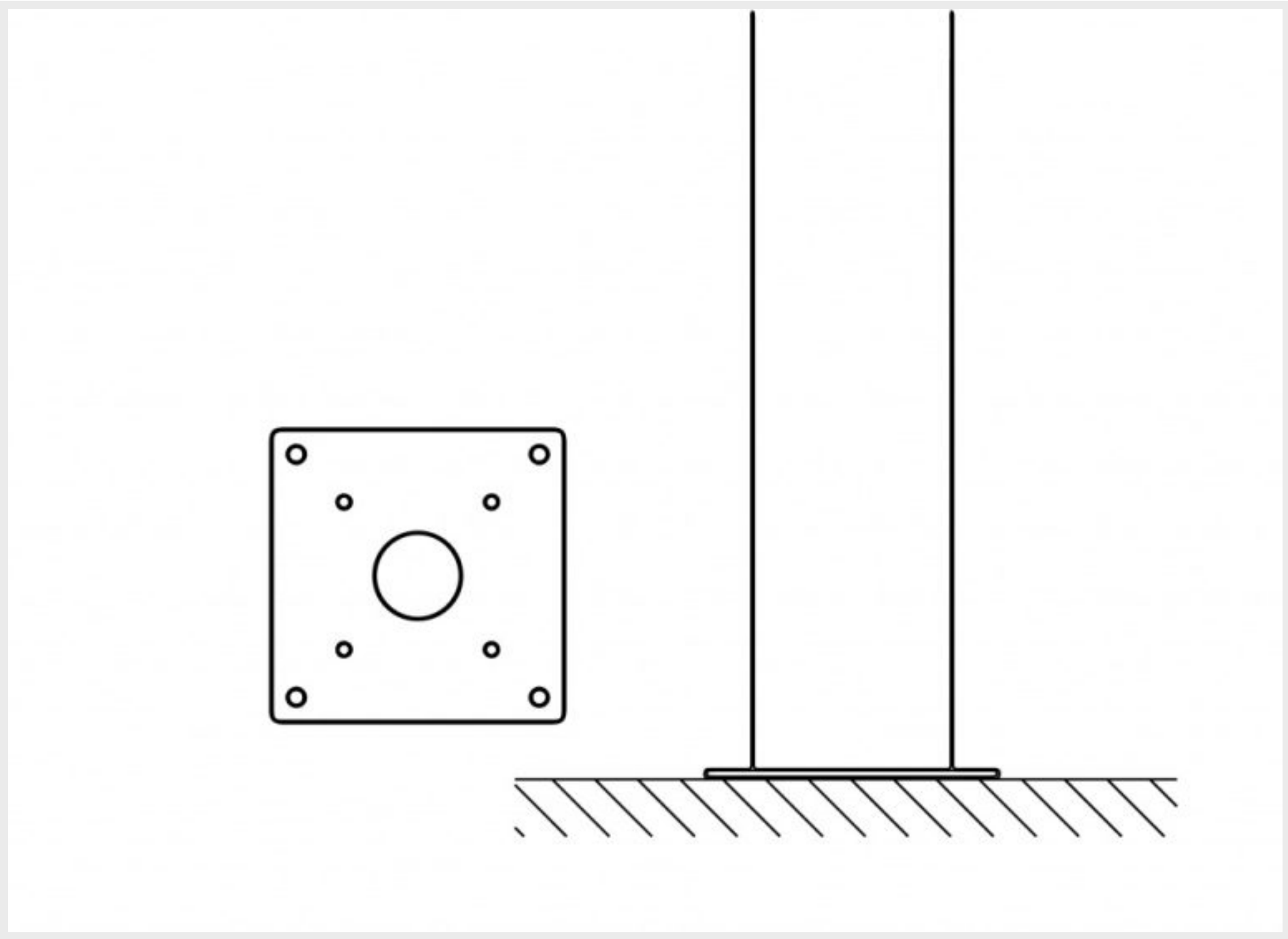
FASTENING A POST TO A CHANNEL BEAM



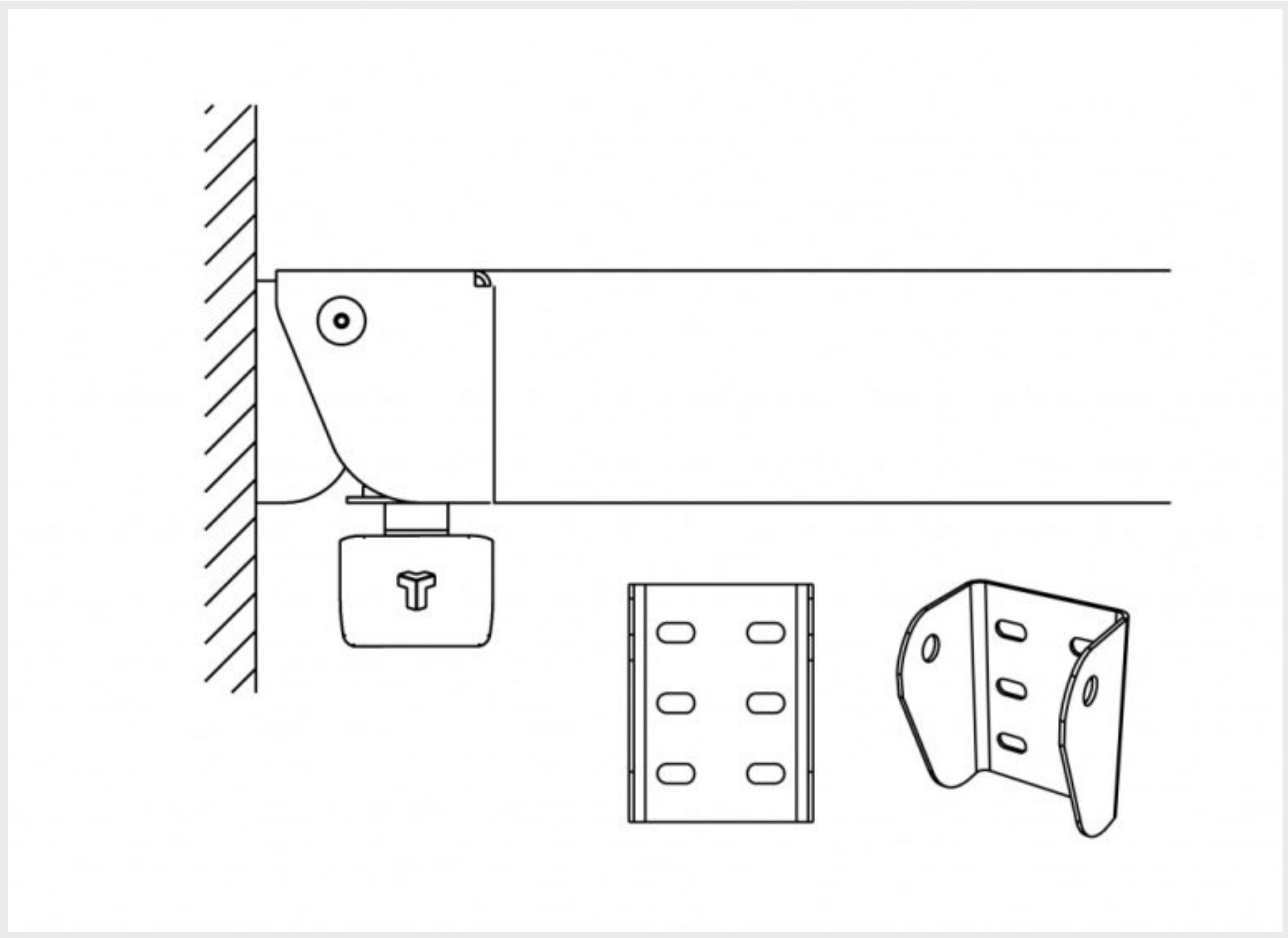
LEVELING FLOOR ANCHOR



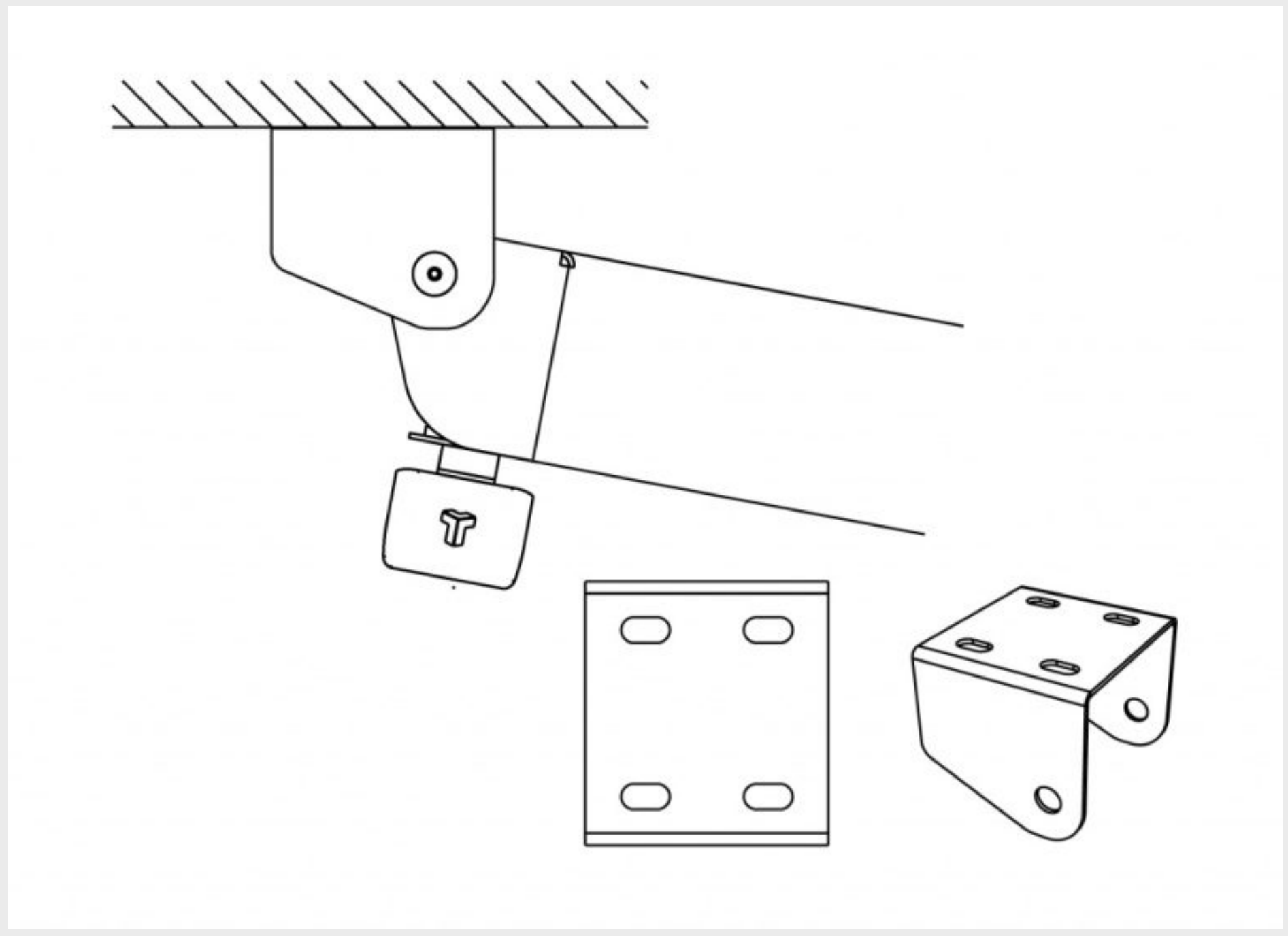
POST TO FLOOR ANCHORING



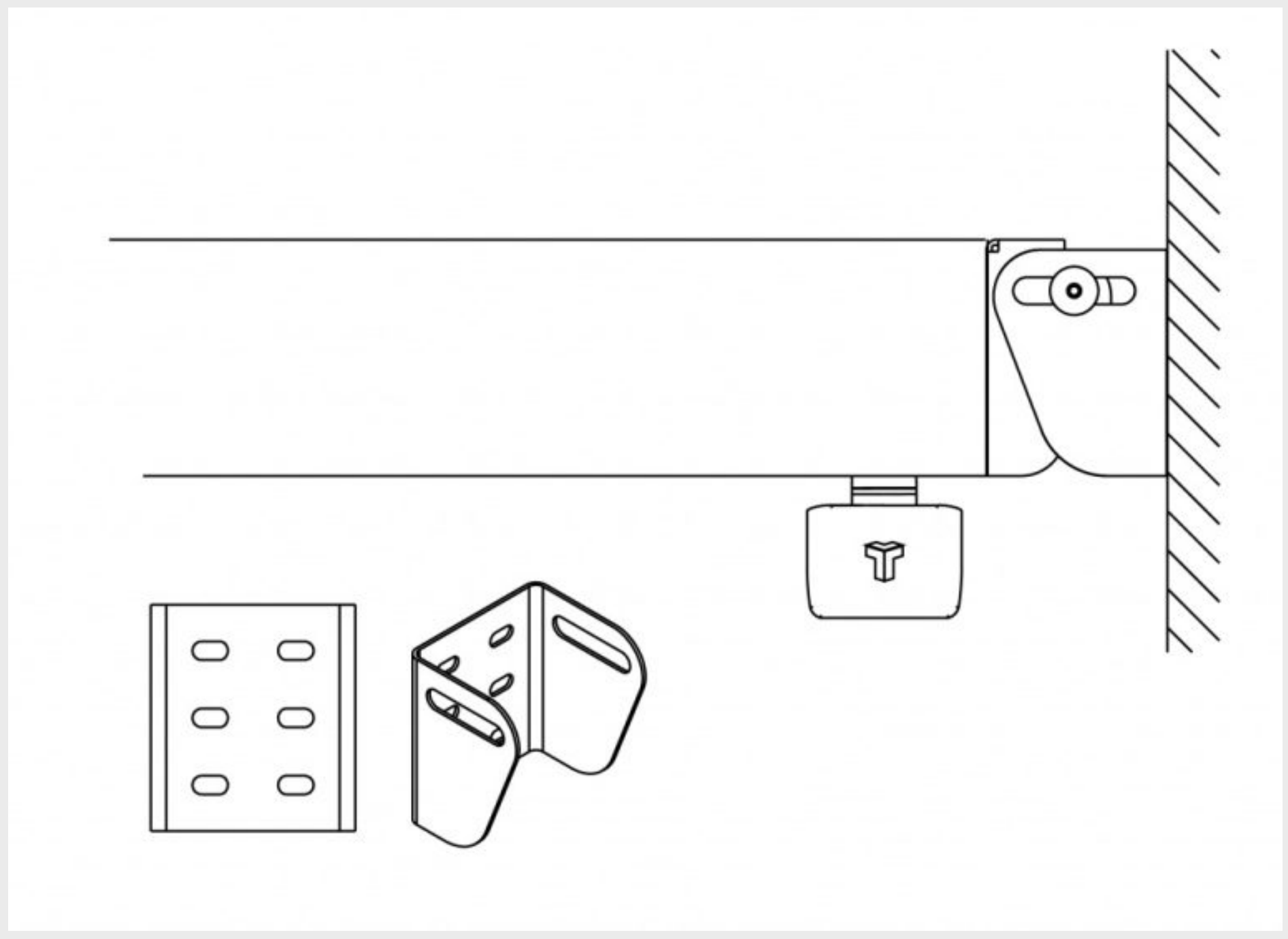
ANCHORING RAIL TO REAR WALL



ROOF RAIL ANCHOR

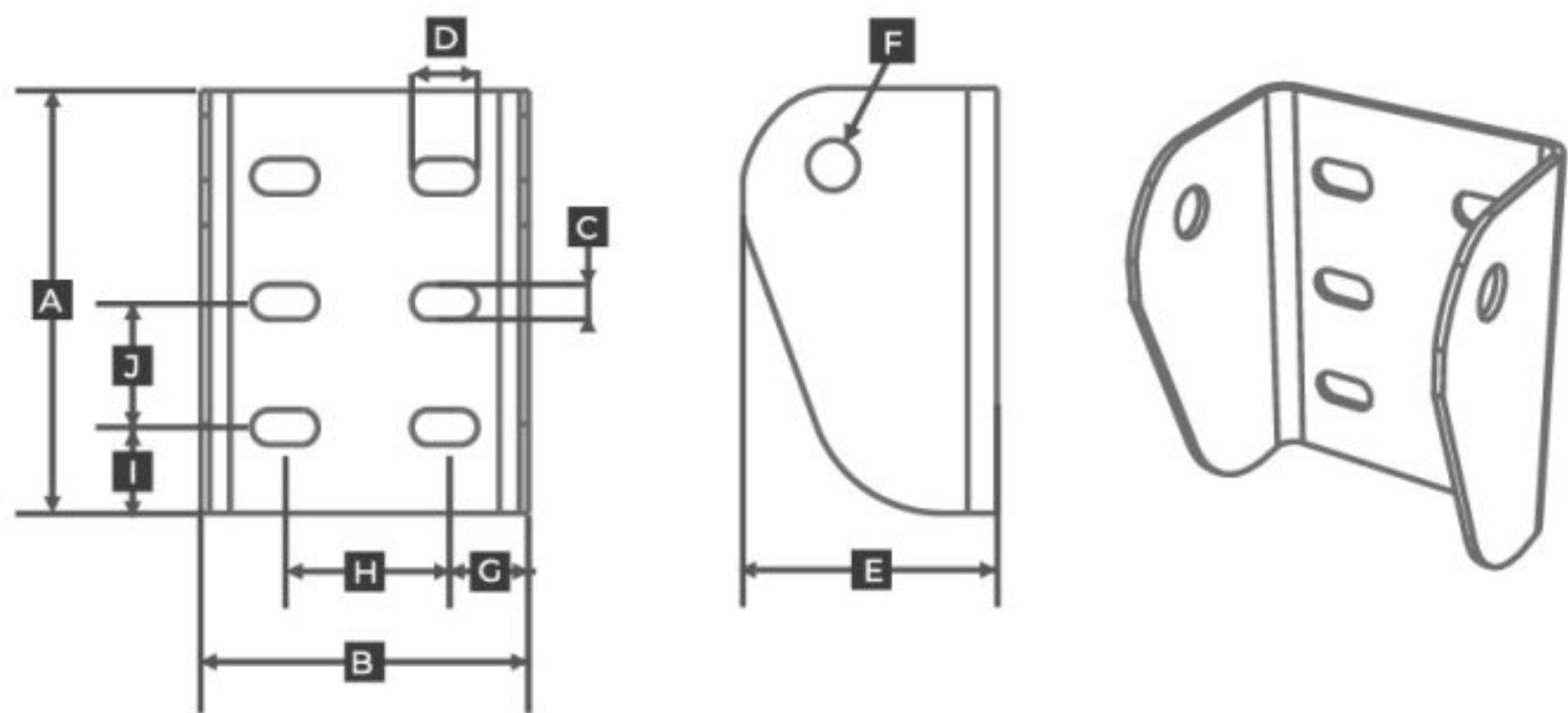


ANCHORING RAIL TO FRONT WALL



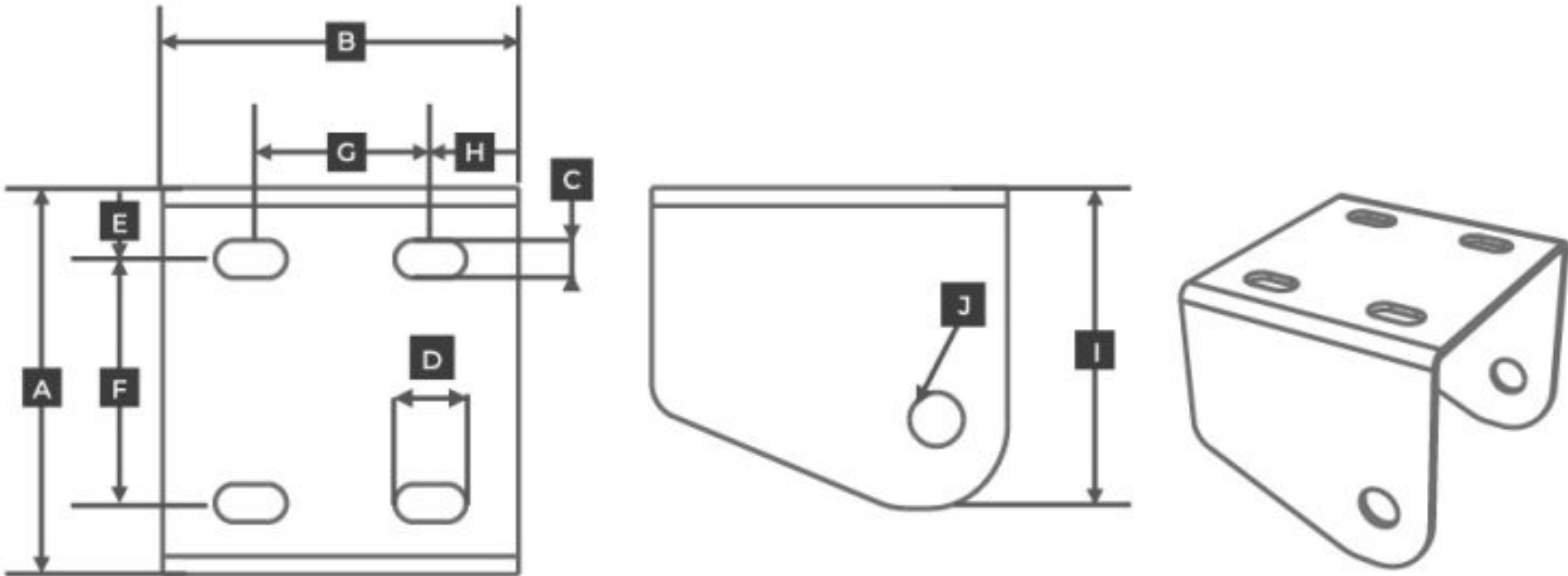
Note: The Mini guide anchor has 4 holes, the Basic, Maxi and Mega guide anchor has 6 holes and the Giga anchor has 8 holes.

ANCHORING TO FRONT WALL



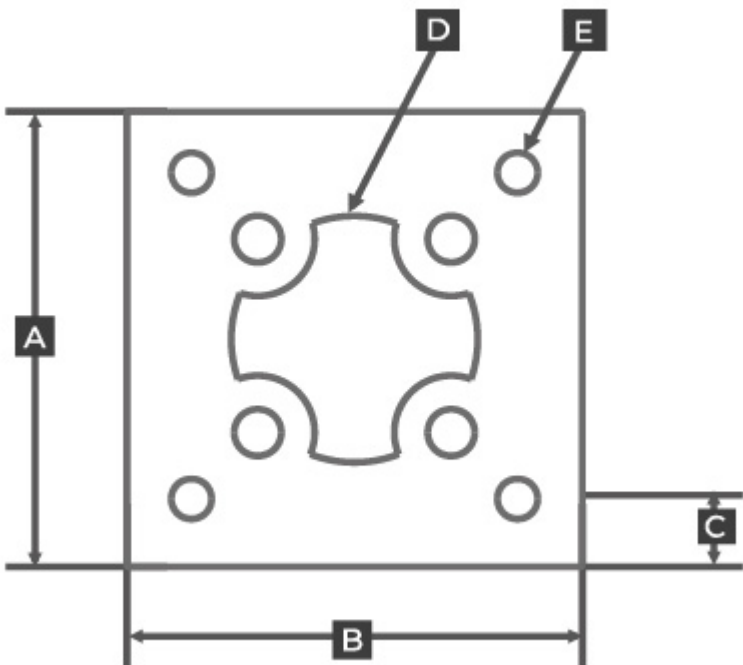
GUÍA	MINI	BASIC	MAXI	MEGA	GIGA
A	100	121,5	144	144	215
B	68	94	92,5	118	138
C	10,5	10	10,5	10,5	10,5
D	20	19	21	21	21
E	51	73	102	102	142
F	15	15	15	15	15
G	15	25	25	33	35
H	32	50	41	52	69
I	24	25	25	25	25
J	52	36	47	47	55

CEILING SUPPORT



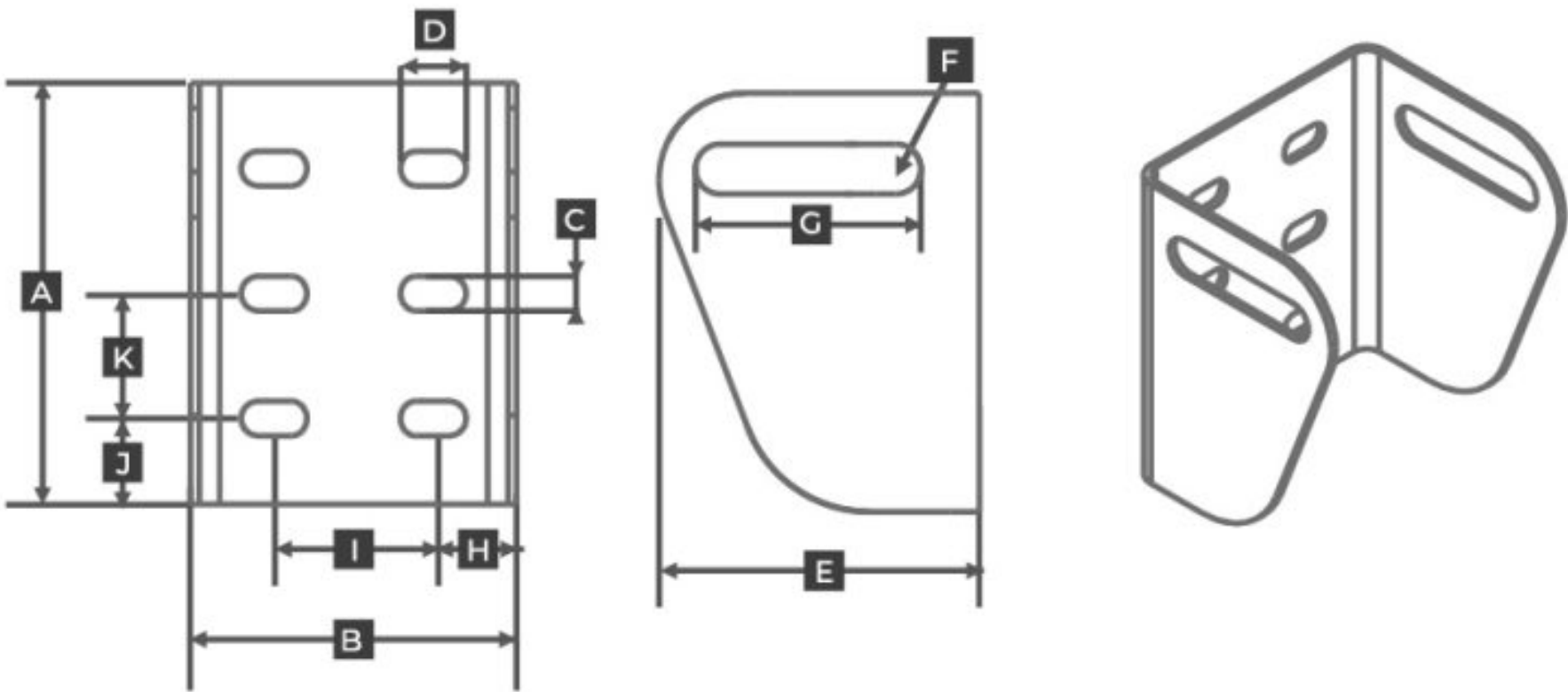
GUÍA	MINI	BASIC	MAXI	MEGA	GIGA
A	83	83	83	135	160
B	100	109	109	109	120
C	11	11	11	11	11
D	20	20	20	20	20
E	20	20	20	20	20
F	43	69	69	48	60
G	51	51	51	51	71
H	25	25	25	25	25
I	60	80	90	120	130
J	Ø15	Ø15	Ø15	Ø15	Ø15

LEVELING FLOOR ANCHOR



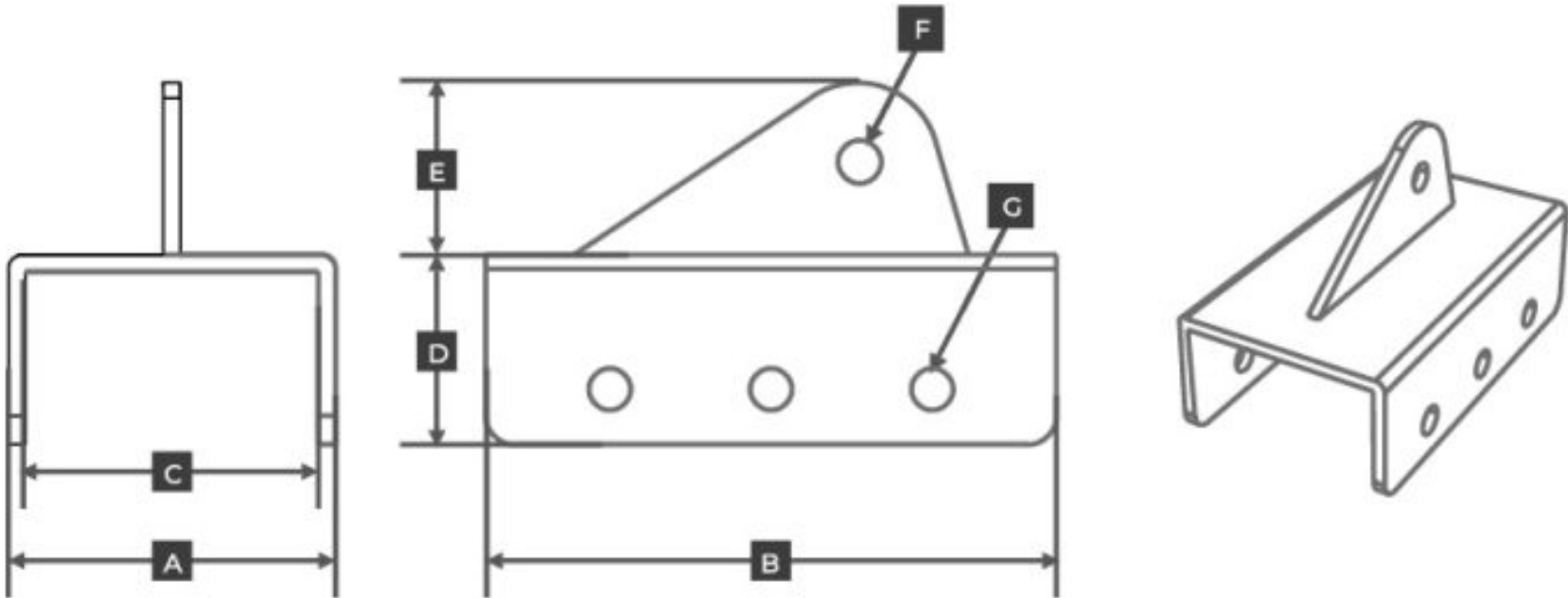
POSTES	MINI	BASIC	MAXI	MEGA	GIGA
A	80	101,6	101,6	121	143
B	80	101,6	101,6	121	143
C	12,65	14,3	14,3	16,5	16
D	40	55	55	55	55
E	6,5	8,5	8,5	12,5	12,5

ANCHORING TO REAR WALL



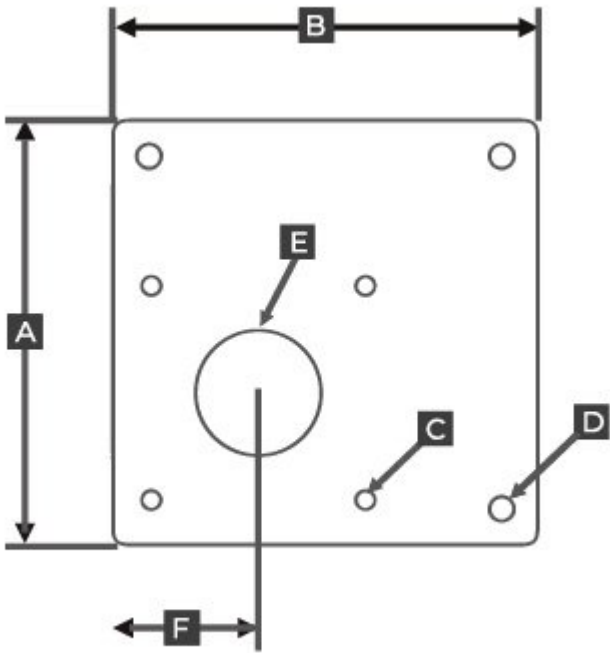
GUÍA	MINI	BASIC	MAXI	MEGA	GIGA
A	97	121,5	144	144	221
B	86,5	109	112	135	168
C	10,5	10,2	10,5	10,5	10,5
D	21,5	20	21	21	21
E	72,5	93	100	92	120
F	14,5	14,5	15	15	15
G	47,5	65,5	65,5	66	66
H	25	32	32	30	35
I	38	46	49	73	98
J	21	25	25	25	28
k	55	36	74	47	55

FIXING RAIL TO TENSIONER



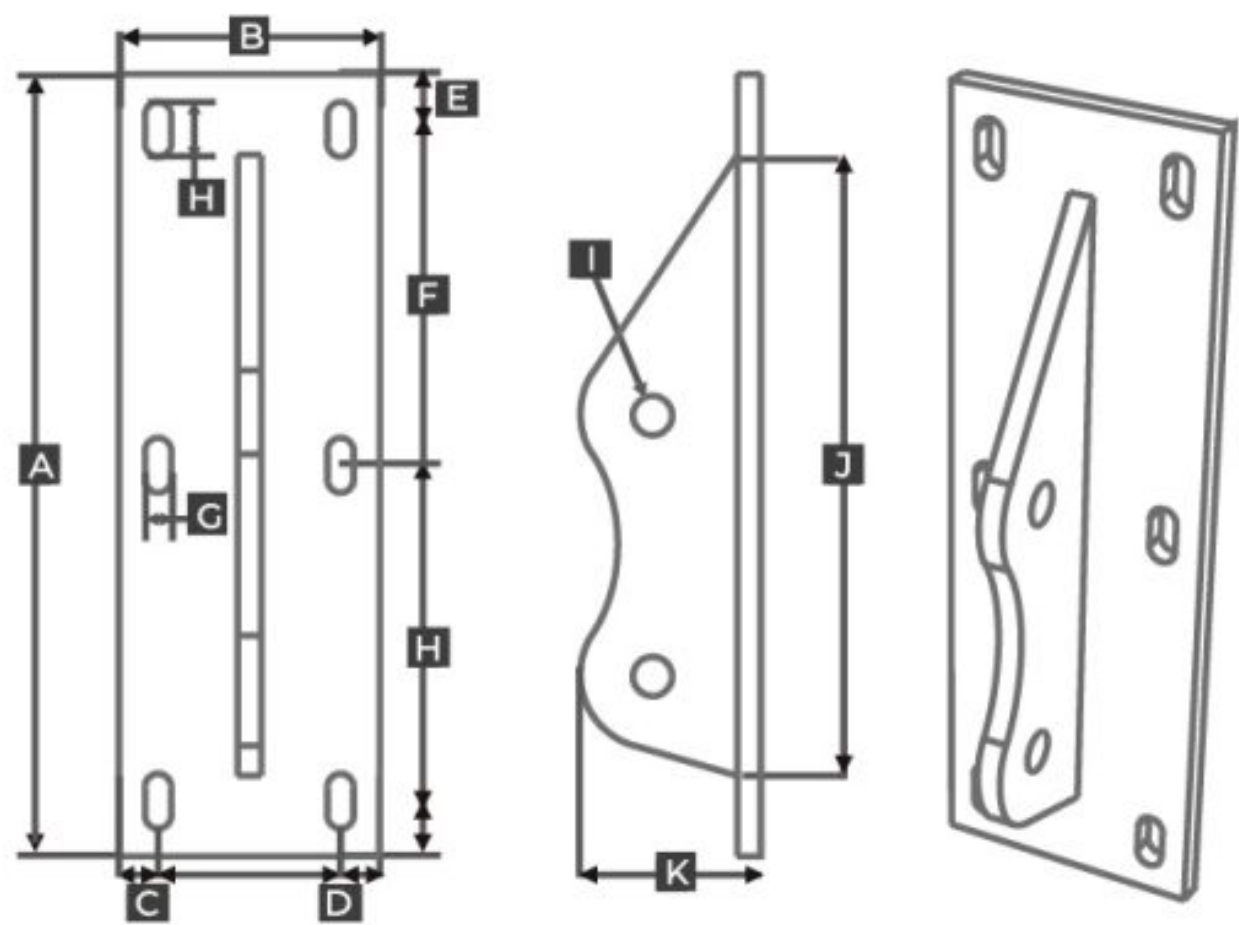
GUÍA	MINI	BASIC	MAXI	MEGA	GIGA
A	94	115	N/A	N/A	N/A
B	150	200	N/A	N/A	N/A
C	82	103	N/A	N/A	N/A
D	67	67	N/A	N/A	N/A
E	60	60	N/A	N/A	N/A
F	43	69	N/A	N/A	N/A
G	15	15	N/A	N/A	N/A
H	15	15	N/A	N/A	N/A

CORNER FLOOR ANCHOR (LEFT OR RIGHT)



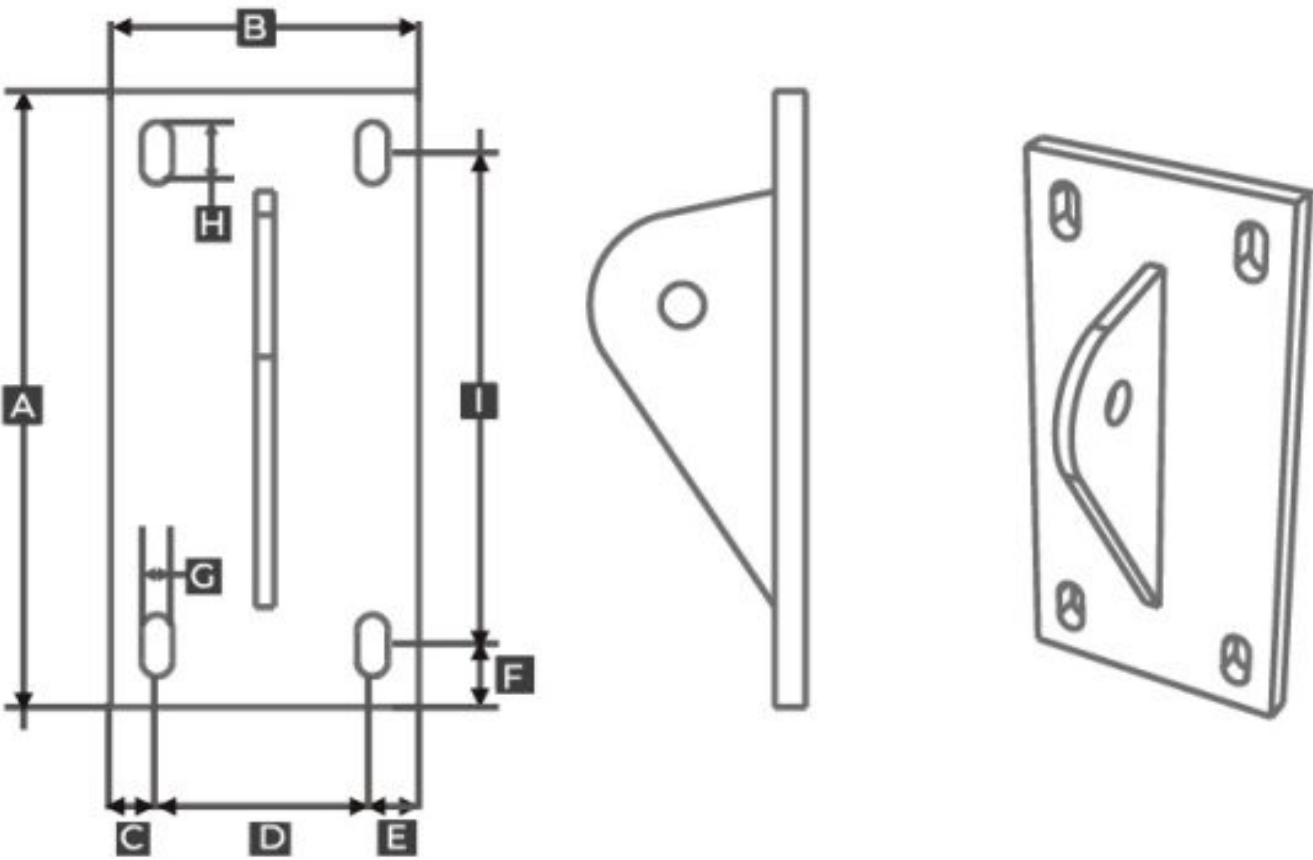
POSTES	MINI	BASIC	MAXI	MEGA	GIGA
A	120	150	150	200	220
B	120	150	150	200	220
C	6,5	8,5	8,5	10,5	10,5
D	13	13	13	13	13
E	52	65	65	76,4	76,4
F	41,3	53	53	65,5	80,5

DOUBLE TENSIONER WALL ANCHOR



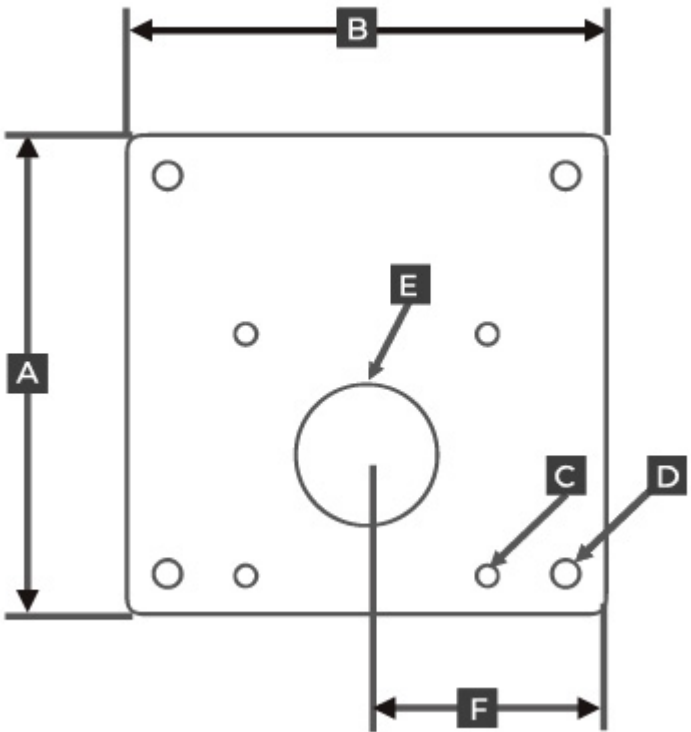
GUÍA	MINI	BASIC	MAXI	MEGA	GIGA
A	300	100	N/A	N/A	N/A
B	100	100	N/A	N/A	N/A
C	15	15	N/A	N/A	N/A
D	70	20	N/A	N/A	N/A
E	19,75	19,75	N/A	N/A	N/A
F	130	130	N/A	N/A	N/A
G	10,5	10,5	N/A	N/A	N/A
H	20	20	N/A	N/A	N/A
I	15	15	N/A	N/A	N/A
J	240	240	N/A	N/A	N/A
k	68,5	68,5	N/A	N/A	N/A

SINGLE TENSION WALL ANCHOR



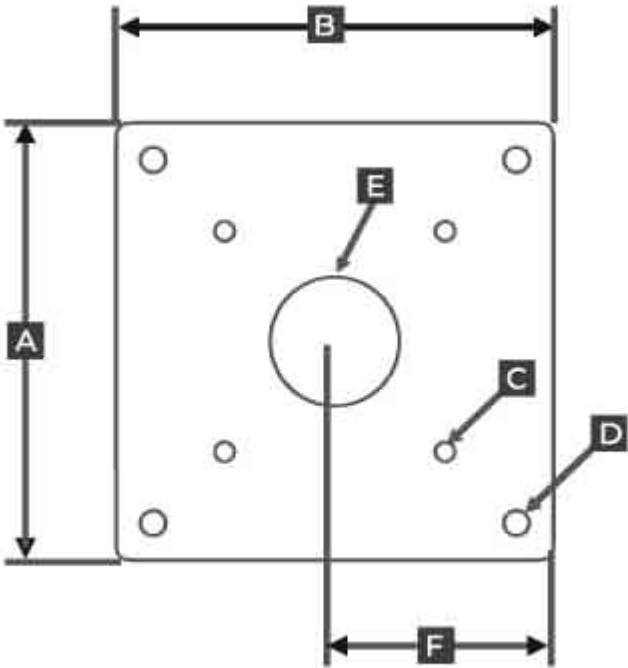
GUÍA	MINI	BASIC	MAXI	MEGA	GIGA
A	200	200	N/A	N/A	N/A
B	100	100	N/A	N/A	N/A
C	15	15	N/A	N/A	N/A
D	70	20	N/A	N/A	N/A
E	15	15	N/A	N/A	N/A
F	160,5	160,5	N/A	N/A	N/A
G	10,5	10,5	N/A	N/A	N/A
H	20	20	N/A	N/A	N/A
I	15	15	N/A	N/A	N/A
J	140	140	N/A	N/A	N/A
k	66	66	N/A	N/A	N/A

FLOOR TO WALL ANCHOR



POSTES	MINI	BASIC	MAXI	MEGA	GIGA
A	120	150	150	200	220
B	160	200	200	230	250
C	6,5	8,5	8,5	10,5	10,5
D	13	13	13	13	13
E	52	65	65	76,4	12,5
F	80	100	100	115	125

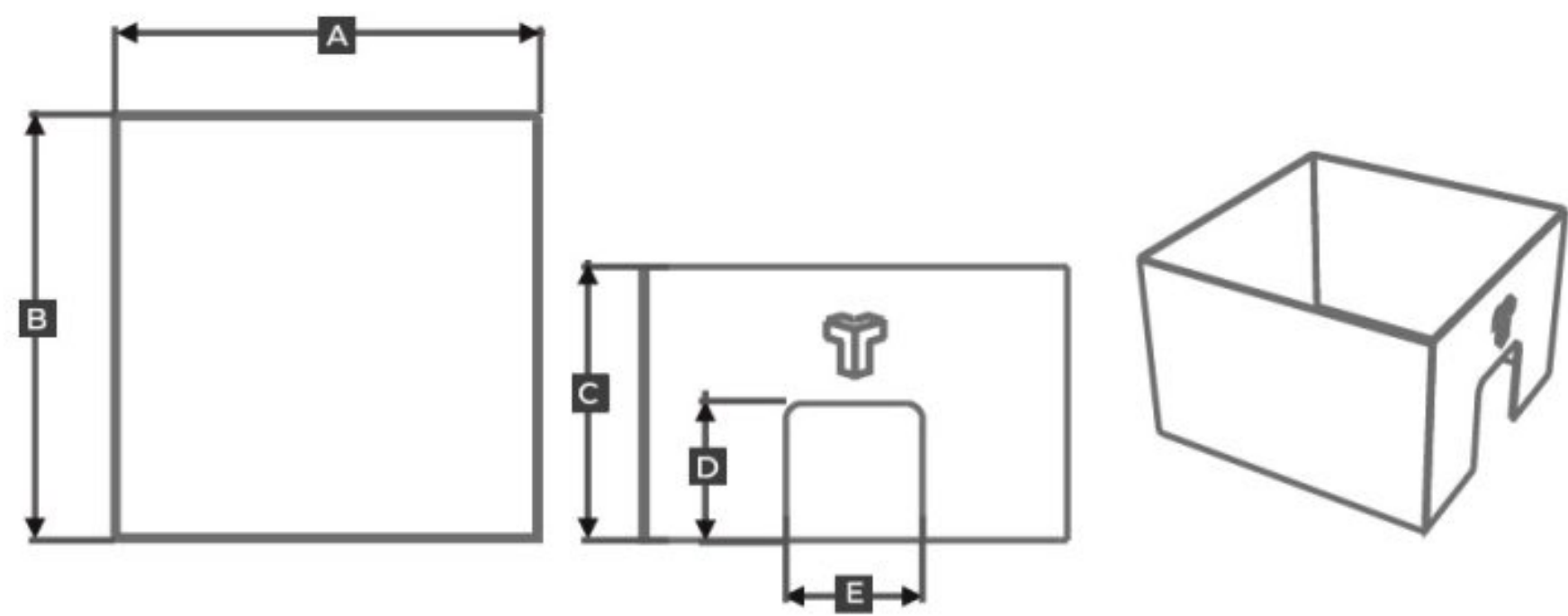
CENTRED FLOOR ANCHOR



POSTES	MINI	BASIC	MAXI	MEGA	GIGA
A	120	150	150	200	220
B	120	150	150	200	220
C	6,5	8,5	8,5	10,5	10,5
D	10,5	13	13	13	13
E	52	65	65	76,4	76,4
F	60	75	75	100	110

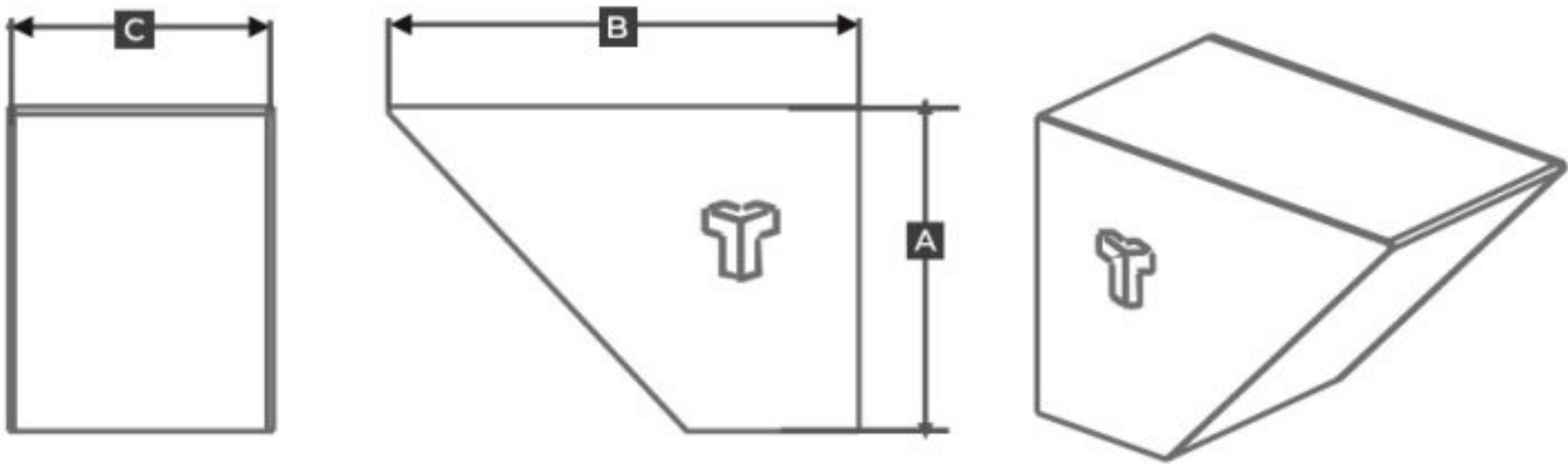
PERGODECO

DECO POST



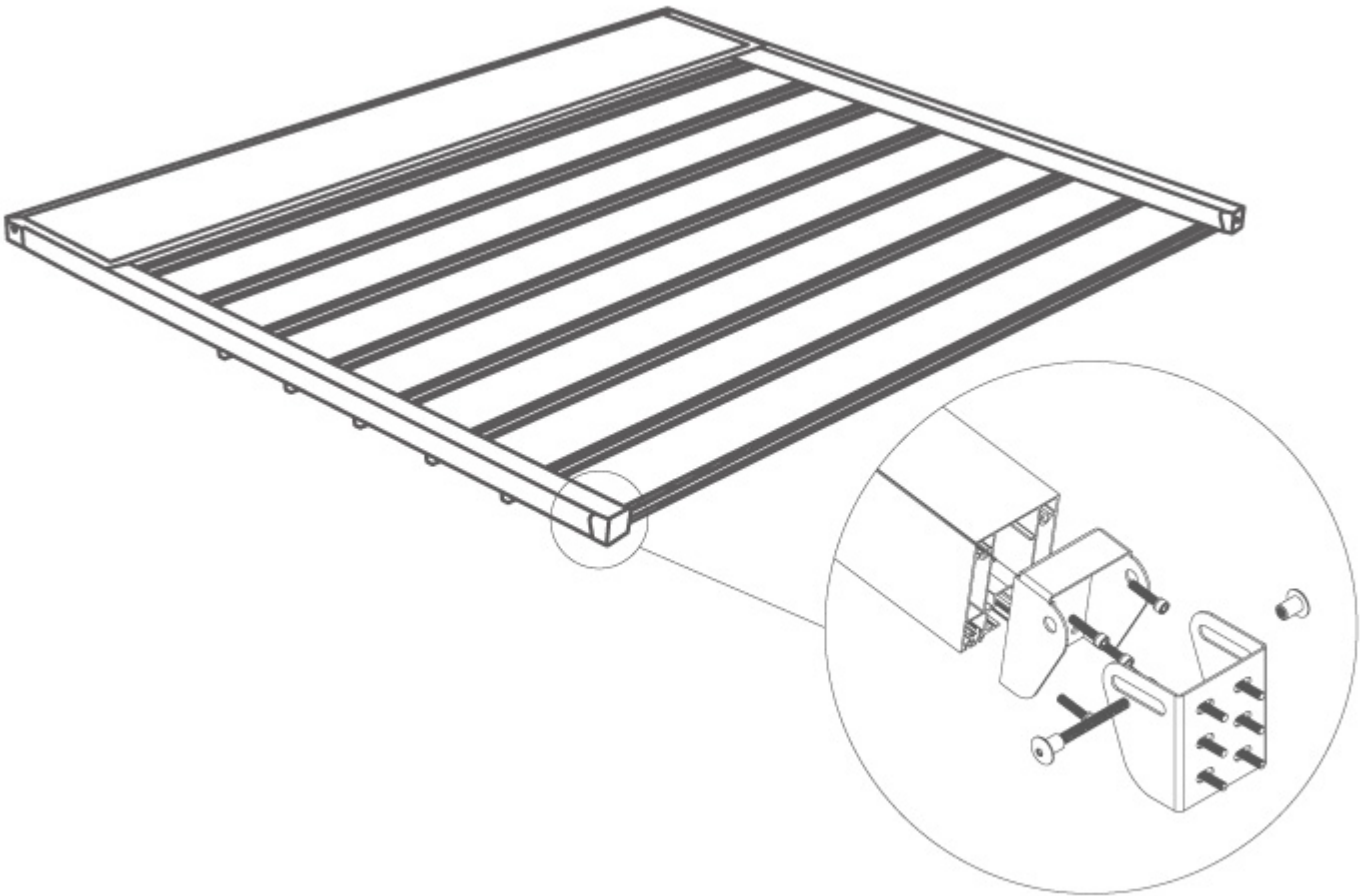
POSTES	MINI	BASIC	MAXI	MEGA	GIGA
A	120	150	150	200	220
B	120	150	150	200	220
C	6,5	8,5	8,5	10,5	10,5
D	10,5	13	13	13	13
E	52	65	65	76,4	76,4

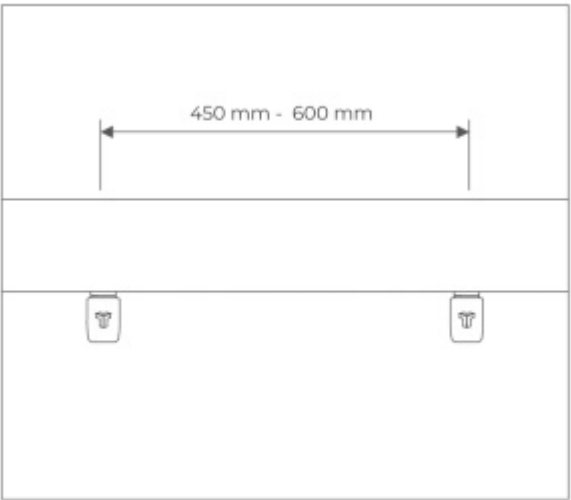
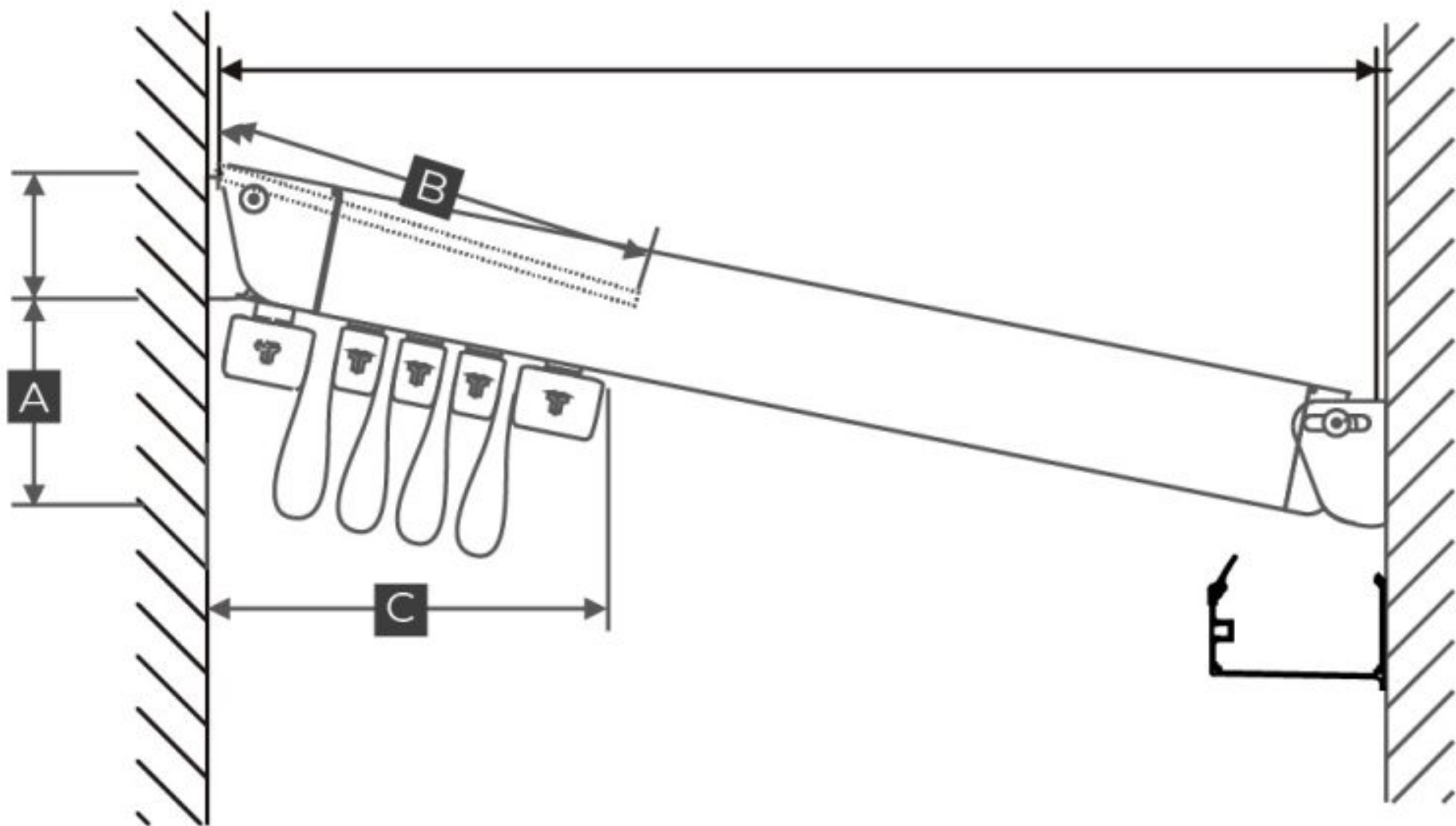
DECO RAIL



POSTES	MINI	BASIC	MAXI	MEGA	GIGA
A	120	150	200	220	232
B	120	150	200	220	337
C	85	106	106	132	155

BETWEEN WALLS





RAILS	MINI				BASIC		MAXI	
	PROJECTION	200	300	400	500	600	700	800
	TO	49	51	56	60	65	69	76
	B	57	66	78	89	95	106	121
	C	42	51	63	74	84	95	106

RAILS	MEGA	JIG			SUPER GIGA		
PROJECTION	950	1000	1100	1200	1300	1400	1500
TO	80	85	89	94	99	104	109
B	132	143	154	165	176	187	198
C	117	128	139	150	161	172	183

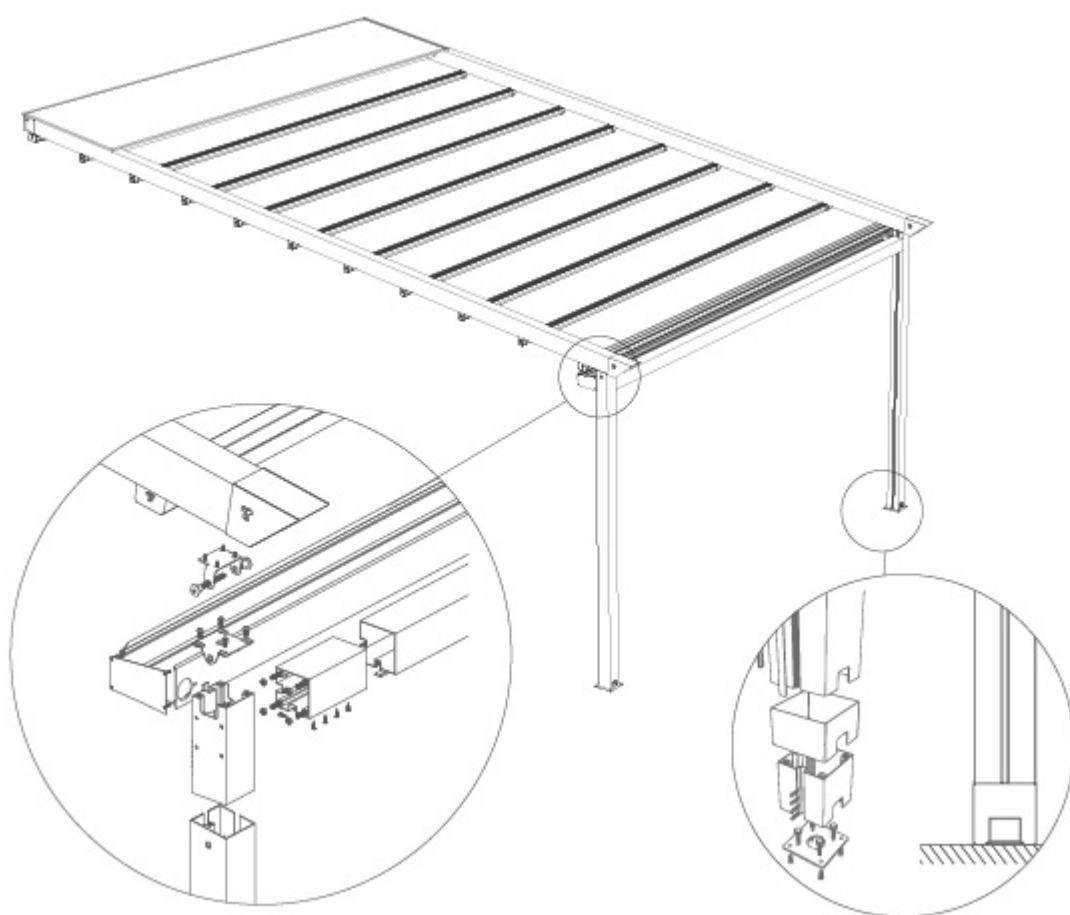
If greater resistance is required for the blade due to snow load, they can be placed at least 45 cm apart.

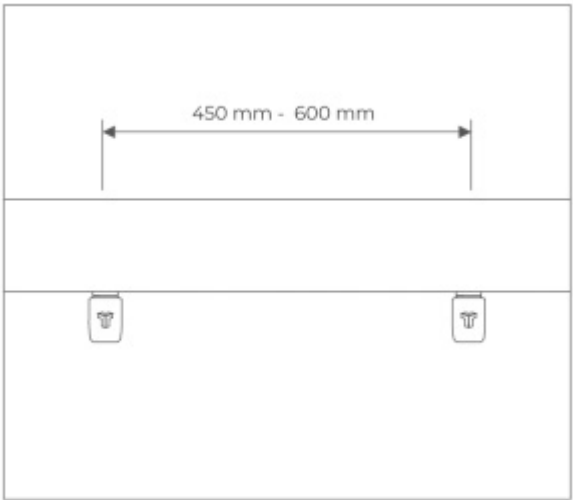
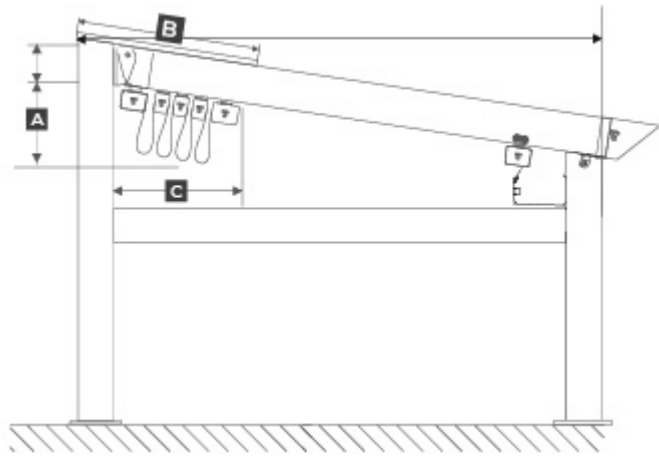
A) Height of the retracted canvas.

B) Polycarbonate exit.

C) Exit of the retracted canvas.

WITH POSTS





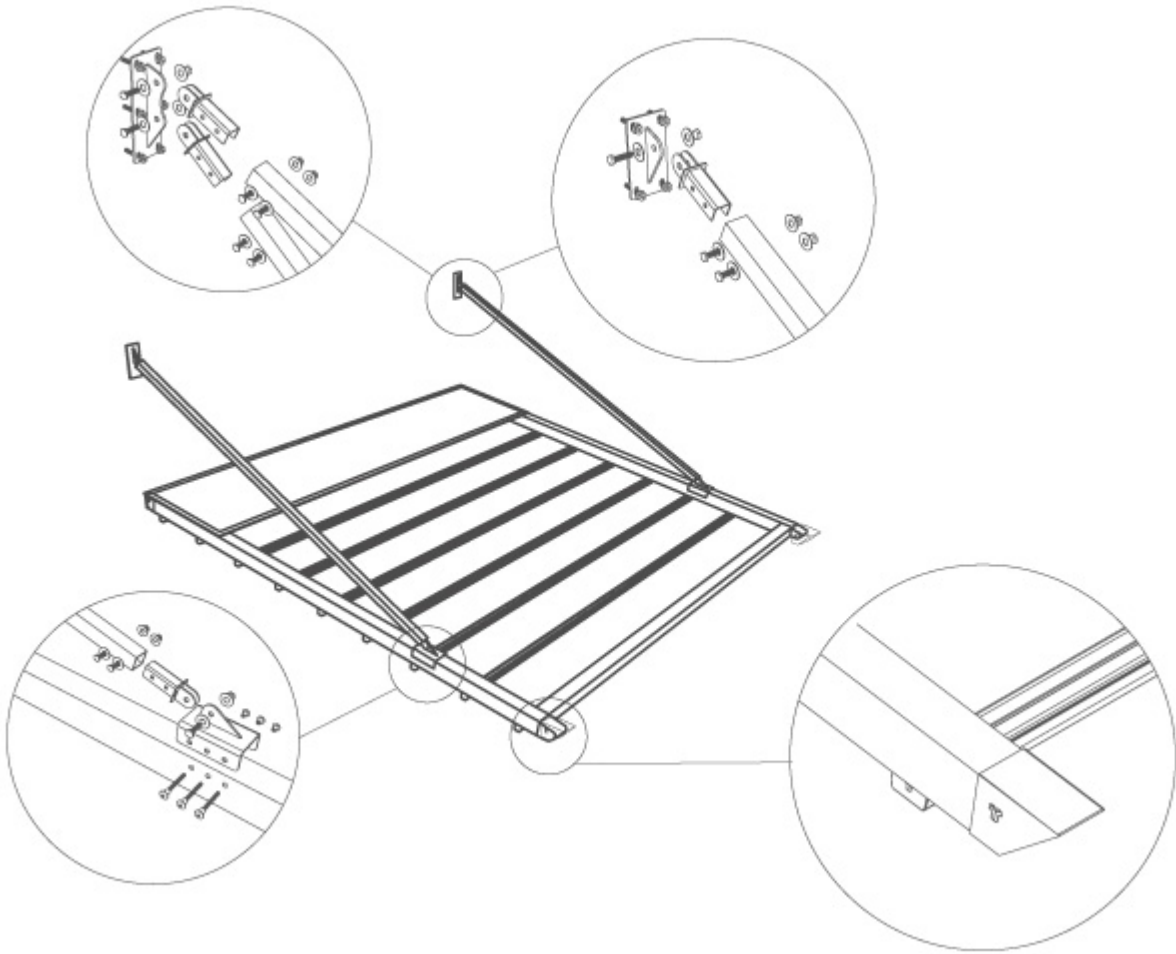
RAILS	MINI				BASIC		MAXI
PROJECTION	200	300	400	500	600	700	800
TO	49	51	56	60	65	69	76
B	57	66	78	89	95	106	121
C	42	51	63	74	84	95	106

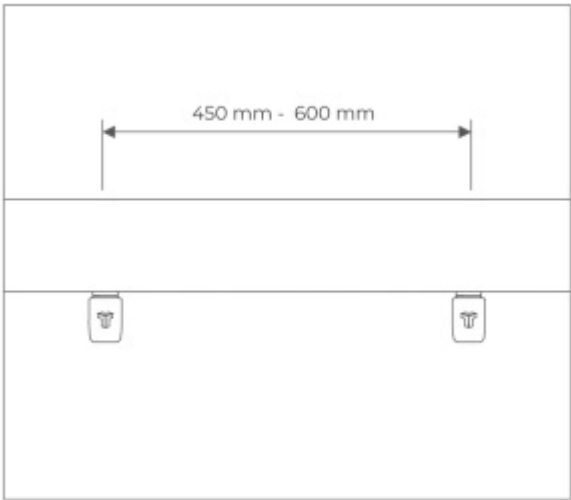
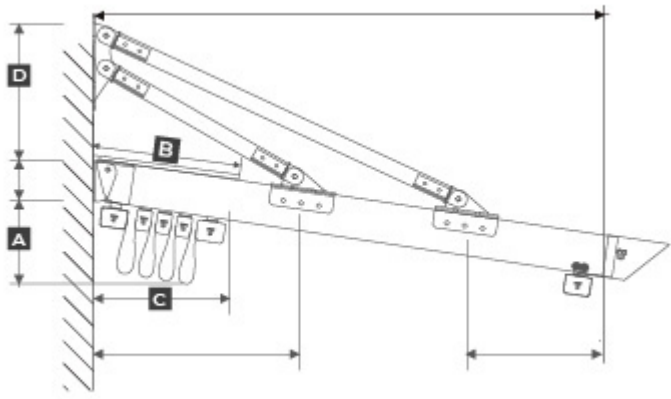
RAILS	MEGA	JIG			SUPER GIGA		
PROJECTION	950	1000	1100	1200	1300	1400	1500
TO	80	85	89	94	99	104	109
B	132	143	154	165	176	187	198
C	117	128	139	150	161	172	183

If greater resistance is required for the blade due to snow load, they can be placed at least 45 cm apart.

- A)** Height of the retracted canvas.
- B)** Polycarbonate exit.
- C)** Exit of the retracted canvas.

WITH TENSIONERS



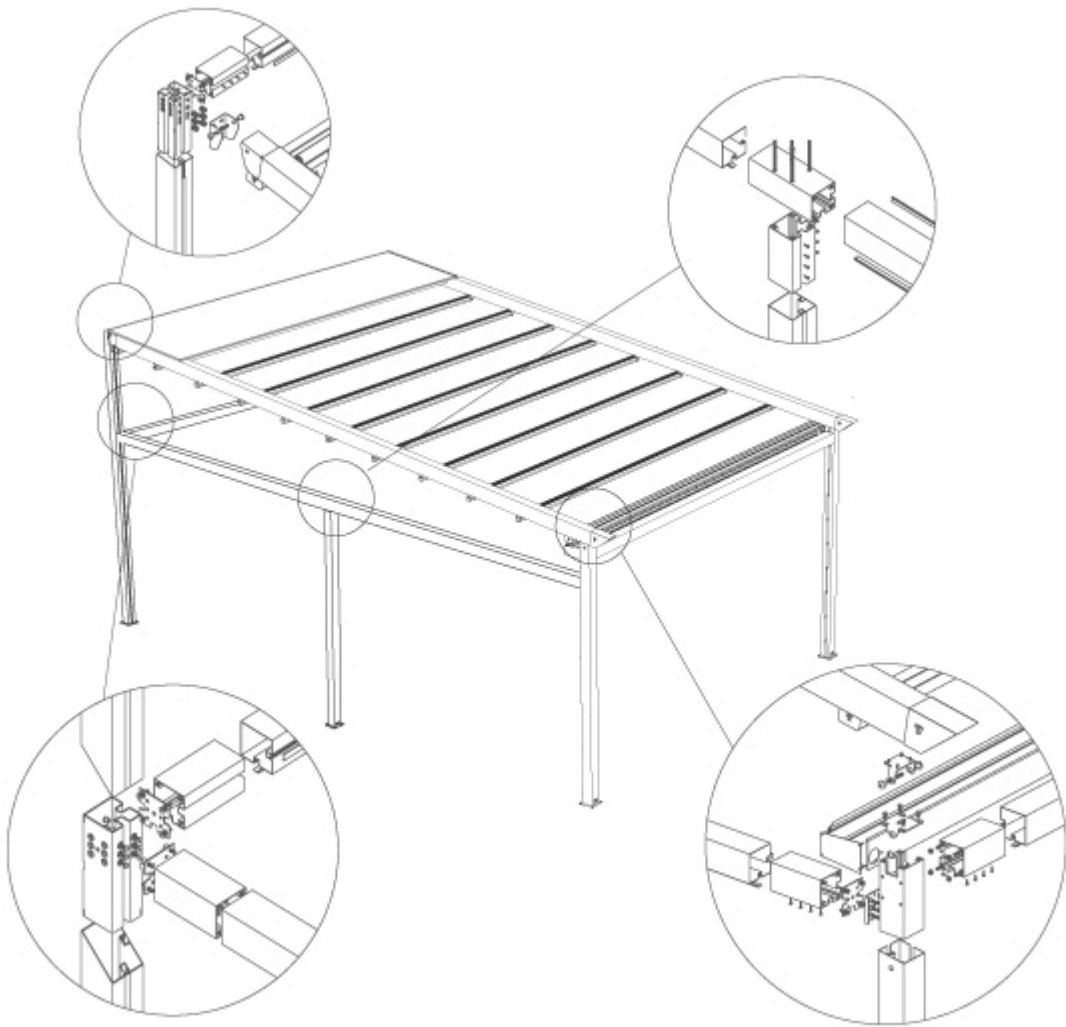


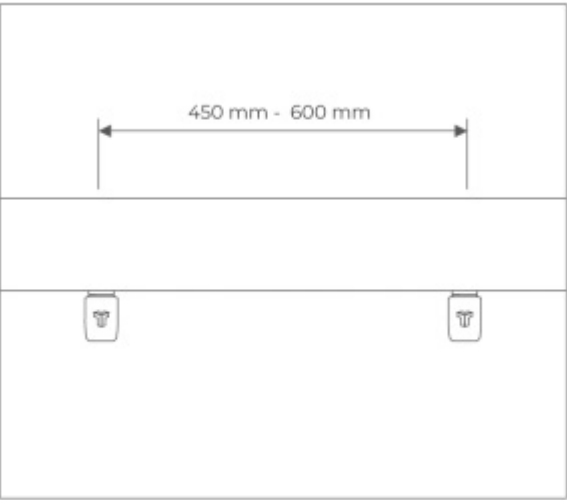
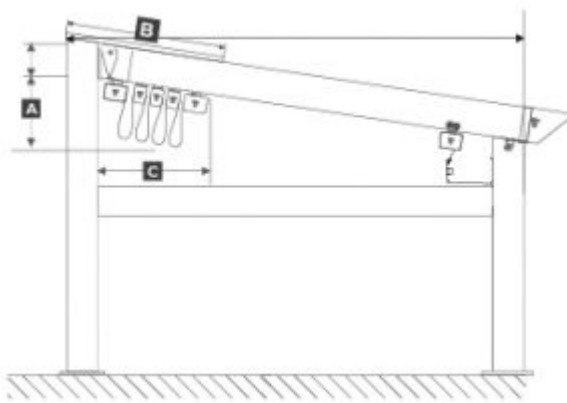
RAILS	MINI				BASIC
PROJECTION	200	300	400	500	600
TO	49	51	56	60	65
B	57	66	78	89	95
C	42	51	63	74	84
D	80	95	110	125	140

If greater resistance is required for the blade due to snow load, they can be placed at least 45 cm apart.

- A)** Height of the retracted canvas.
- B)** Polycarbonate exit.
- C)** Exit of the retracted canvas.
- D)** Height of tensioner installation.

Gazebo





RAILS	MINI				BASIC		MAXI
PROJECTION	200	300	400	500	600	700	800
TO	49	51	56	60	65	69	76
B	57	66	78	89	95	106	121
C	42	51	63	74	84	95	106

RAILS	MEGA	JIG			SUPER GIGA		
PROJECTION	950	1000	1100	1200	1300	1400	1500
TO	80	85	89	94	99	104	109
B	132	143	154	165	176	187	198
C	117	128	139	150	161	172	183

If greater resistance is required for the blade due to snow load, they can be placed at least 45 cm apart.

- A) Height of the retracted canvas.
- B) Polycarbonate exit.
- C) Exit of the retracted canvas.

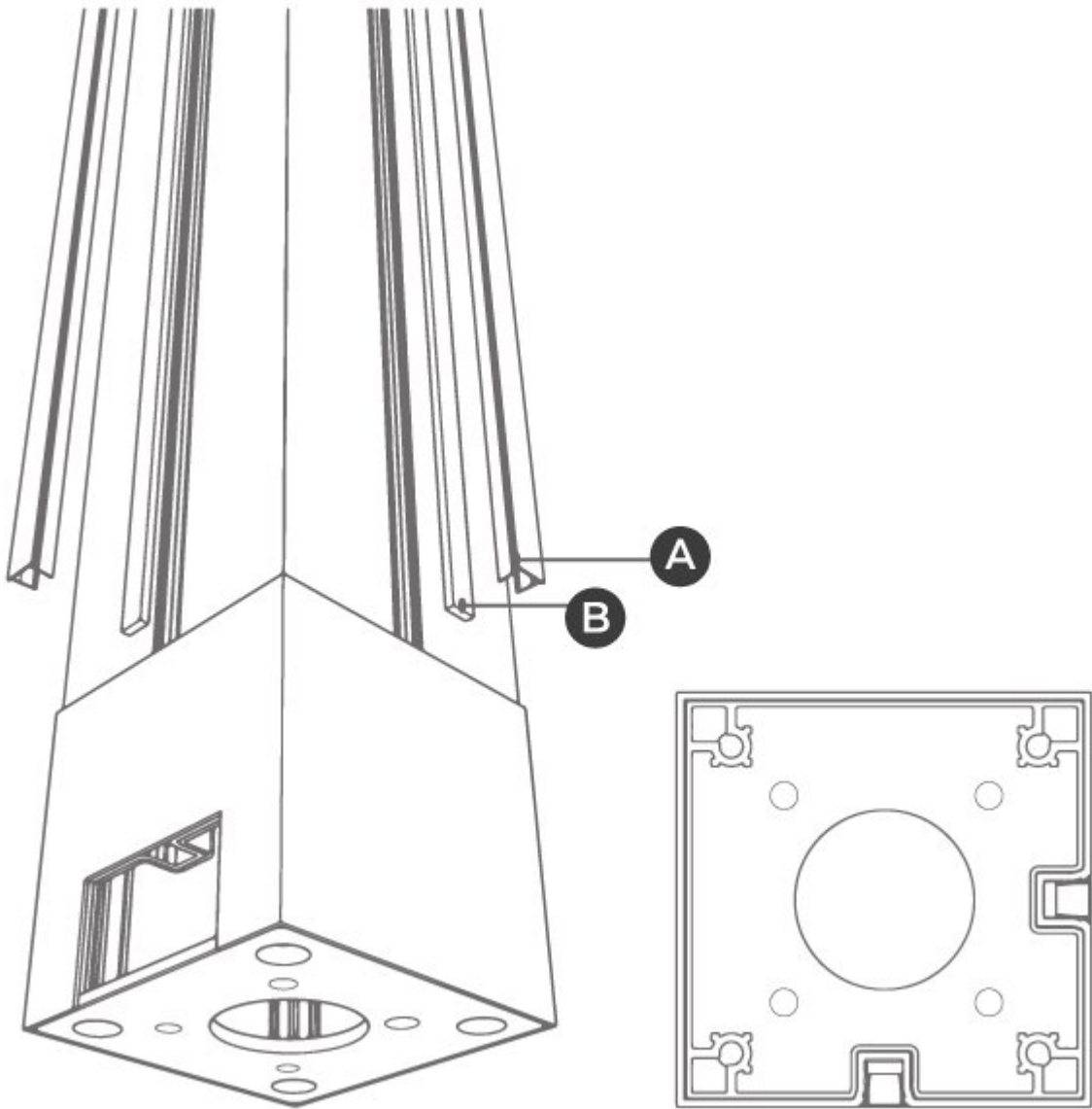
LIGHTNING

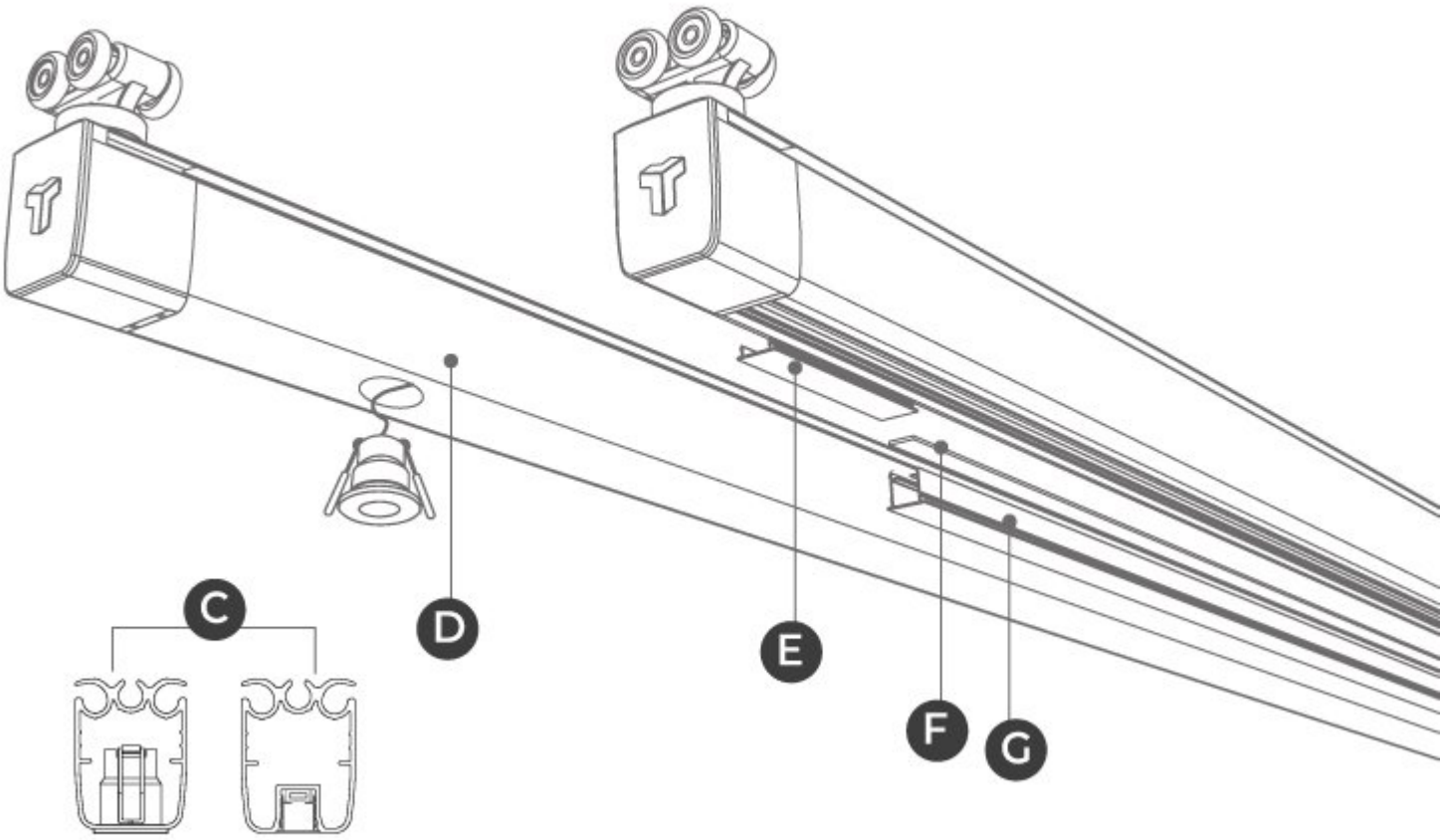


ILUMINACIÓN LED BLANCA



ILUMINACIÓN RGB – RGBW





A	PERFIL DIFUSOR
B	TIRA LED
C	PALILLA SPOT/LED
D	SPOT
E	PERFIL TAPA LUZ
F	TIRA LED
G	PERFIL DIFUSOR

MOTOR

Nuestras pérgolas poseen un motor exclusivo para la marca Toscana, el cual esta compuesto por dobles ejes de transmisión y torque, lo cual permite una permanente y máxima tensión en la lona cuando esta extendida, evitando cualquier empozamiento de agua.

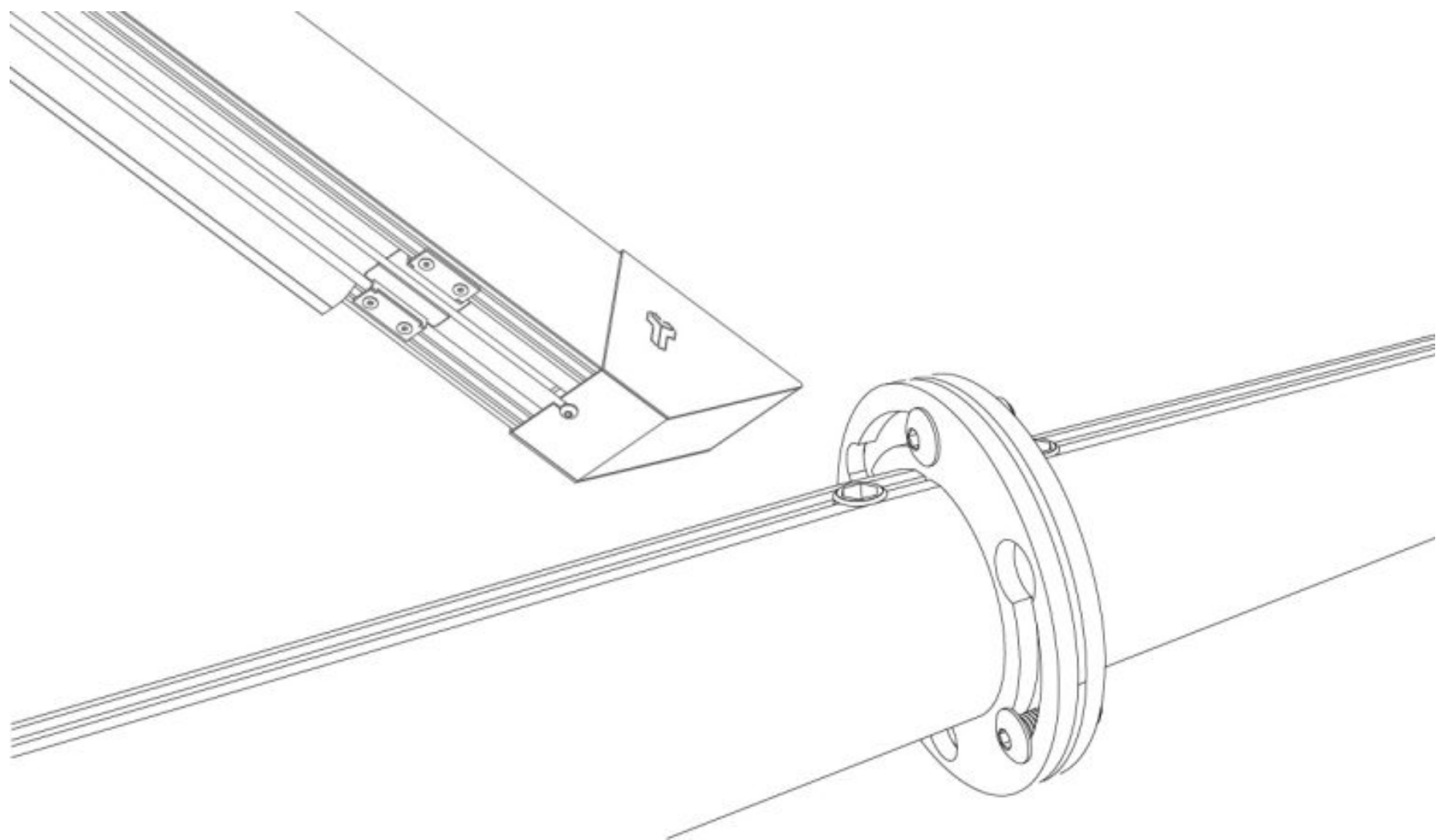




CONTROL REMOTO: Controla hasta 15 motores, permite la dimerización, cambio de color, encendido y apagado de hasta 4 circuitos de la cubierta.

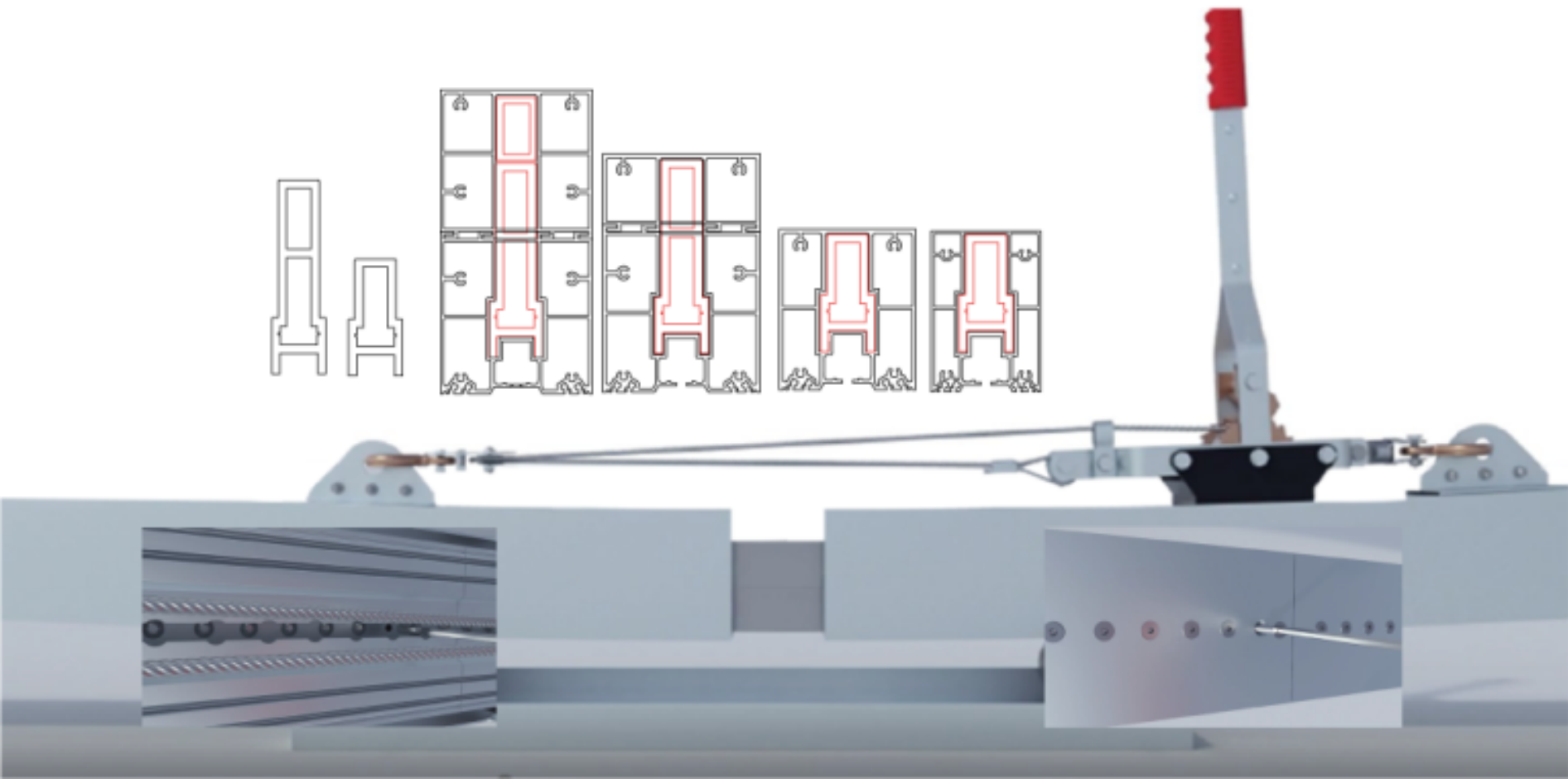
MOTOR DOBLE TRASMISIÓN 110V- 60HZ (UL) – 220V / 30 HZ (CE) 	130 V	220 V
Rated Torque (Nm)	2X25	2X25
Rated Speed (Rpm)	26	32
Rated Current (A)	2.22	4.58
Rated Power (w)	490	550
Degree of Protection (IP)	IP44	IP44
Maximum Limit turn (Turn)	∞	∞
Running Time (Min)	>4	>4
Temperature (°C)	-10C° / 50°c	-10C° / 50°c
L1/L2(mm)	545/411	545/411
Certification	UL	CE

Nuestros Pergostar están equipados con un novedoso y exclusivo sistema que permite cambiar una correa con un solo operario, asimismo, permite sincronizar en minutos las correas de una pérgola hasta en tres secciones sin la ayuda de otro. Este sistema permite a un instalador trabajar de manera mas eficiente **vs** los sistemas actuales de la competencia.



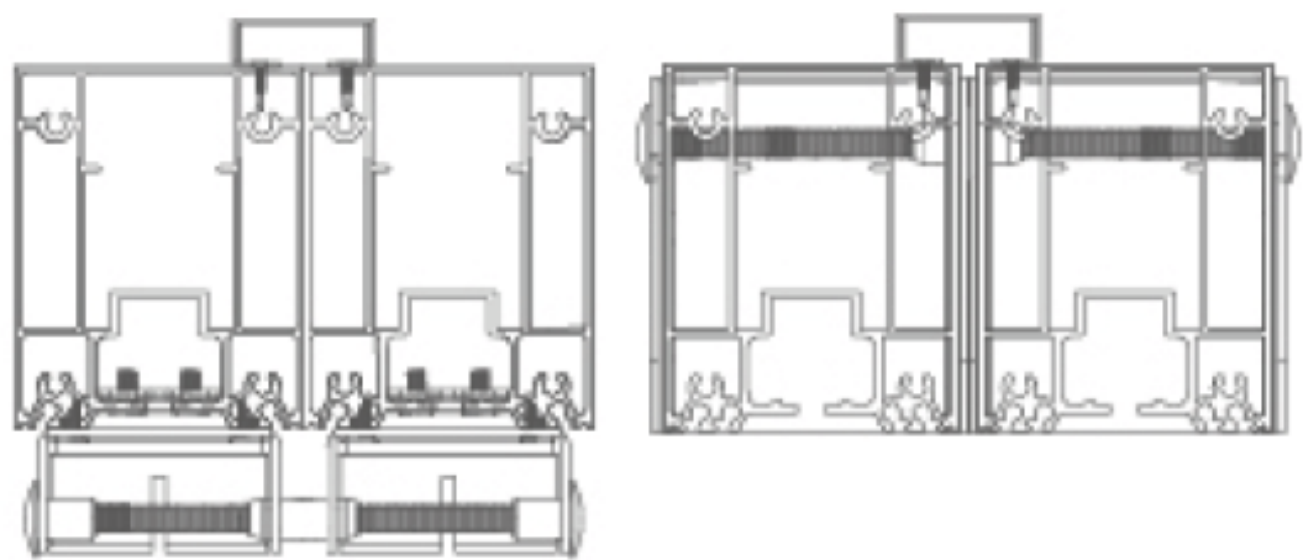
EMPALME DE RIELES

Para facilitar el transporte y la subida de los perfiles guía a pisos altos, se diseñaron con la posibilidad de ser empatados en obras. La operación es muy sencilla y garantiza una resistencia mecánica óptima. El riel le llegará perforado con el perfil de unión atornillado de un lado y listo para instalar la otra parte del otro lado. Se entregará si lo desea, una malacate con sus mordazas para facilitar el ensamble de los dos perfiles.



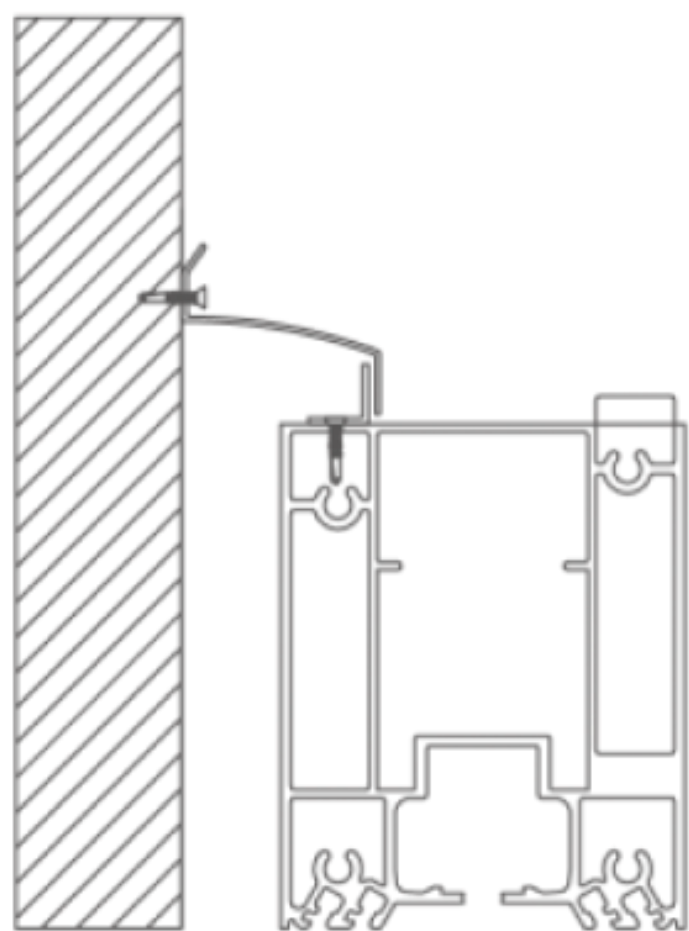


TRANSLAPE GUÍA



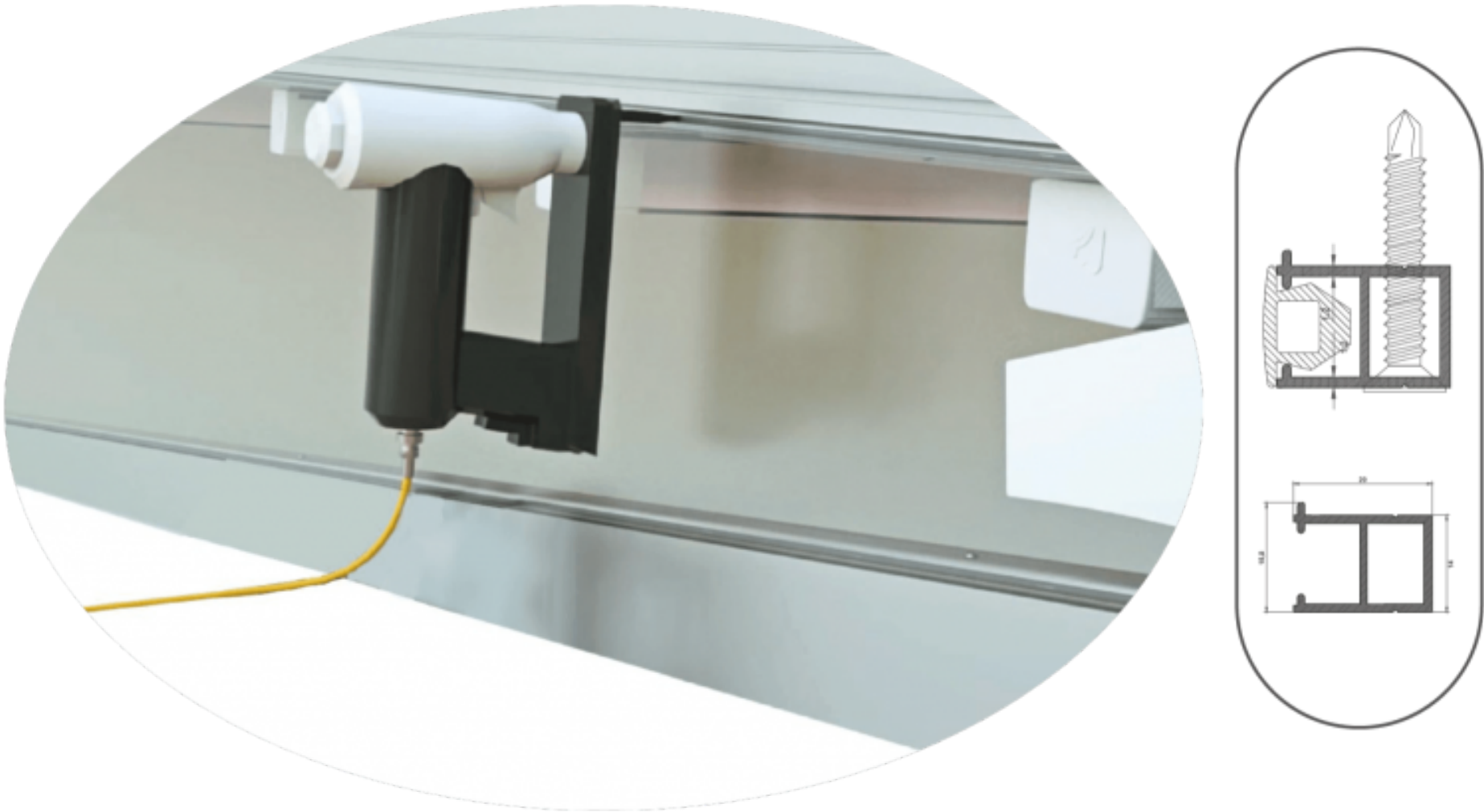
Existe la posibilidad de colocar dos pérgolas juntas con el fin de alcanzar mayores longitudes de cubrimientos, y para esto tenemos un sistema de unión a partir de un eje receptor de doble entrada, el cual permite atornillar ambos rieles con un solo perno para evitar el distanciamiento por el espesor de las cabezas de los tornillos. En la junta superior de los dos rieles tenemos tres perfiles de traslapo para evitar filtraciones de agua en la unión, estos perfiles son dos ángulos y un perfil U.

SOLAPA A MURO



Tenemos casos en que la pérgola puede quedar encajonada por muros laterales, y para esto debemos impermeabilizar la entrada de agua de manera lateral, por esto hemos diseñado el perfil solapa a muro con el fin de tapar esta abertura sin tener que unir la solapa directamente al riel, evitando que la silicona se despegue por el movimiento normal de la pérgola, para esta unión se usa un perfil solapa a muro y un ángulo en aluminio.

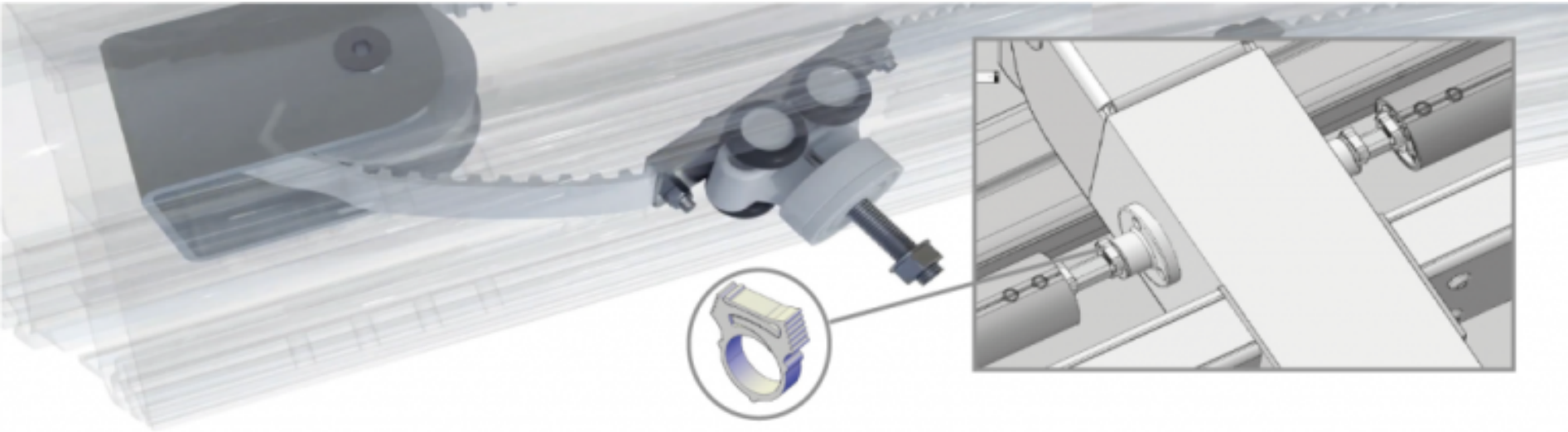
TAPAS LATERALES



Toscana ofrece un novedoso sistema fácil de instalar que requiere un pequeño compresor, una grapadora neumática y grapas inoxidable. El perfil universal "perfil marco Toscana" permite por su esbeltez trabajar sobre formas rectas o curvas, pues se moldea con la fuerza de la mano al momento de atornillarlo sobre el marco del elemento a cubrir.

SISTEMA DE SEGURIDAD

ESTÁNDAR



-El Pergostar dispone de un eje de transmisión del motor, el cual cumple la función de un fusible, ya que evita que la correa se reviente, fracturándose primero el eje como factor de seguridad. El cambio de un eje simple cuesta tan solo el 5% del valor de una correa.

- Nuestro sofisticado sistema mecánico permite el cambio de la correa sin necesidad de bajar las palillas, evitando tener una persona por riel, simplificándolo a una sola persona por pérgola sin portar su tamaño. Además del uso de la abrazadera de seguridad, la cual ajusta el eje e impide el movimiento del tubo de transmisión, evitando que se desconecte por la vibración.
- Nuestras pérgolas están equipadas de un sofisticado sistema electrónico ubicado en la palilla grande inferior, el cual testea cualquier problema de transmisión por ruptura de correa o eje con el fin de parar la pérgola automáticamente para evitar daños colaterales.

OPCIONAL



- En caso de fuertes vientos y solo si la pérgola está equipada con la estación meteorológica, se cerrará automáticamente evitando posibles daños.
- En caso de incendio, y solo si la pérgola posee el accesorio detector de humo, la lona y las cortinas se cerrarán automáticamente.
- En caso de una nevada, y solo si la pérgola esté equipada con el medidor de nieve, esta se cerrará automáticamente si no está climatizada y si la temperatura debajo es inferior a 15 grados.
- En caso de un corte de luz prolongado, nuestra pérgola podrá ser equipada de un pequeño UPS de 500 vatios/ 1000 VA protegido en una caja IP65, ubicado y escondida al lado del motor que permite una sola apertura y cerrada. En caso de querer tener el pleno uso de la pérgola, se podrá equipar un UPS más potente (potencia a calcular con un experto) instalado sobre la acometida eléctrica de la pérgola al interior de la edificación y fuera de la pérgola por su tamaño.

TOSCANA DYNAMIC

Este producto es compatible con nuestros diverso portafolio de Smart Hub – Toscana Dynamic

Mas Información



Pro – Dynamic

- Cambio de Colores RGB en la iluminación
- Salida para 2 motores alámbricos
- Salidas para 15 motores inalámbricos
- 4 Circuitos de iluminación RGB Y RGBW
- Control desde asistente Alexa o Google Home
- Turning on and off from the remote control
- Management from the Toscana Dynamic App
- WEB management from QR Code
- Handling Various Sensors
- Wifi connection
- Scenario Creation

More Information



Lite – Dynamic

- Changing RGB Colors in Lighting
- Output for 1 wired motor
- Outputs for 15 wireless motors
- 2 RGB and RGBW lighting circuits
- Control from Alexa or Google Home assistant
- Turning on and off from the remote control
- Management from the Toscana Dynamic App
- WEB management from QR Code
- Handling Various Sensors
- Wifi connection
- Scenario Creation

More Information



Mini – Dynamic

- Changing RGB Colors in Lighting
- Output for 1 wired motor
- Outputs for 15 wireless motors
- 2 RGB and RGBW lighting circuits
- Control from Alexa or Google Home assistant
- Turning on and off from the remote control
- Management from the Toscana Dynamic App
- WEB management from QR Code
- Handling Various Sensors
- Wifi connection
- Scenario Creation

More Information



Micro – Dynamic

- Changing RGB Colors in Lighting
- Dimerization
- Turning on and off from the remote control

SENSORS





WEATHER STATION

It includes an anemometer, rain gauge, hygrometer, wind direction indicator, and power supply via a solar panel with a backup battery in case atmospheric conditions prevent solar charging.



SENSORS

The protection system includes temperature and belt break sensors, preventing mechanical failures that could damage the pergola. Optionally, the customer can add specialized sensors, allowing for greater protection in extreme weather conditions.



SNOW SENSOR

It allows you to determine the height of the snow in millimeters above the pergola. In addition, in the app, you can review the historical record of how long it lasted and when it fell.



SMOKE DETECTOR

An alarm that detects the presence of smoke in the air and emits an audible signal warning of a fire hazard. It operates via RF (Radio Frequency).

PRODUCT RATING ACCORDING TO PRECIPITATION

COLOR	INTES.(mm/h)	TYPE OF PRECIPITATION	PRODUCT RATING
	Greater than 250	Large hail	
	Greater than 250	Torrential and hail	
	100 to 250	Torrential and probable hail	
	40 to 100	Very heavy to torrential rain	
	16 to 40	Heavy rain	Suitable
	6.5 to 16	Moderate rain	
	2.5 to 6.5	Light rain	
	1 to 2.5	Light rain	
	0.4 to 1	Very light rain	
	0.1 to 0.4	Precipitation trace	

PRODUCT RATING ACCORDING TO WIND RESISTANCE

TO	B	C	D	AND	F
	>6	12	Hurricane	118 +	
	>6	11	Storm	103 / 117	
	>6	10	Storm	89 / 102	
	>6	9	Temporary	75 / 88	Suitable
	5	8	Very hard	62 / 74	
	4	7	Hard	50 / 61	
	3	6	Strong	39 / 49	
	2	5	Cool	29 / 38	
	1	4	Good-natured	20 / 28	
	0	3	Mild	12/19	
	0	3	Weak	6 / 11	
	0	3	Ventolin	1 / 5	
	0	3	Calm	0 / 1	

- A) Wind resistance according to standard 13561
- C) Beaufort scale
- D) Wind
- E) Km/h
- F) Product rating