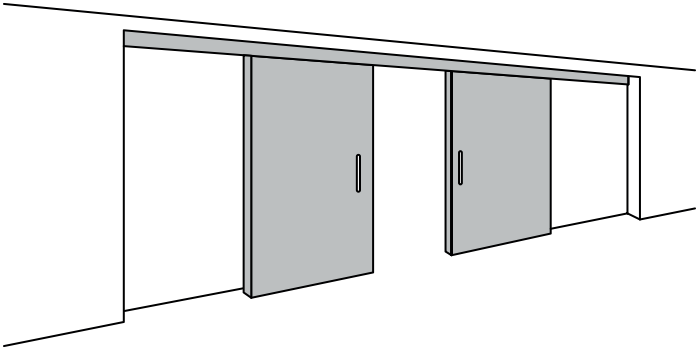
DUCASSE
INDUSTRIAL

LINEA
SEGMENTA

TWIN OP



V050718

índice

TWIN OP es un sistema corredizo sincronizado para puertas de madera de hasta 80 Kg. cada hoja.
El sistema permite que mediante un sólo movimiento se abran ambas puertas sincronizadamente en sentido opuesto.

mm	Pulgadas	Fracción
1	0.0394	3/64
2	0.0787	5/64
3	0.1181	1/8
4	0.1575	5/32

mm	Pulgadas	Fracción
5	0.1969	13/64
6	0.2362	15/64
7	0.2756	9/32
8	0.3150	5/16

mm	Pulgadas	Fracción
9	0.3543	23/64
10	0.3937	25/64
11	0.4375	7/16
12	0.4688	15/32

***TODAS LAS MEDIDAS ESTÁN INDICADAS EN MILÍMETROS**

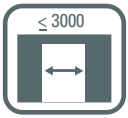
Datos generales y dimensionamiento de puertas

CANTIDAD DE PUERTAS

CAPACIDAD DE CARGA POR HOJA

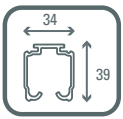

PARA PUERTAS DE MADERA

ESPESOR PUERTA MADERA



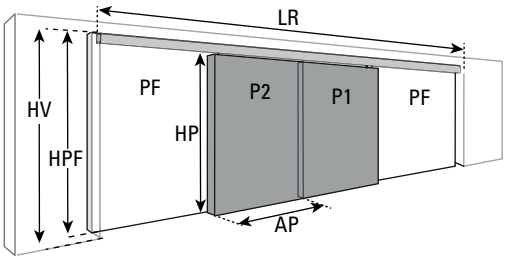
ZONA DE PASO

ANCHO PUERTA

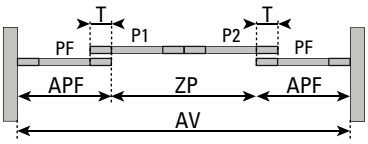


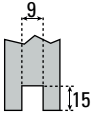
RIEL U21 AL

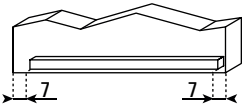
Para dimensionar las puertas



HP = HV - 80
APF ≥ AP
AP = (ZP/2) + T
LR = 4AP - 2T
HPF = HV
T ≥ 50



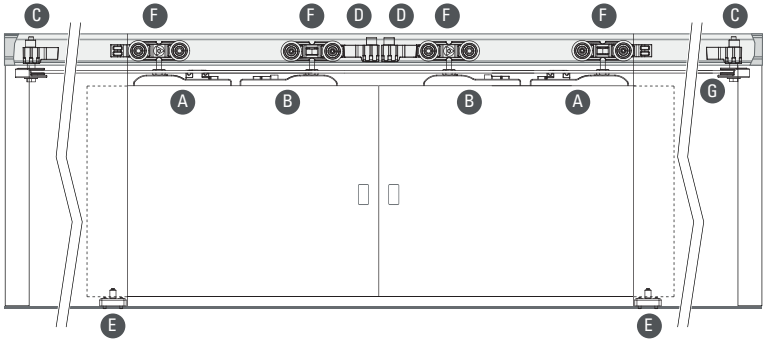




Para las puertas de madera es necesario mecanizar el canto inferior, para permitir el paso de la guía.

AP = Ancho Puerta | AV = Ancho Vano | HP = Altura Puerta | HV = Altura Vano
HPF = Altura Paño Fijo | APF = Ancho Paño Fijo | ZP = Zona de Paso | T = Traslape | LR = Largo Riel

Detalle de partes y piezas



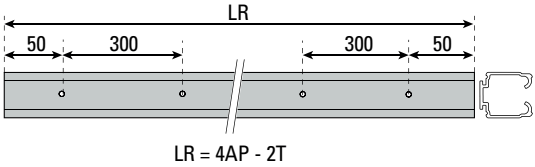
TWIN OP

A	Base candado desmontable		2
B	Bases Twin		2
C	Frenos Polea		2
D	Frenos DN 80		2
E	Guía alta GPR		2
F	Carros DN 80		4
G	Piola 13 mt		1
H	Llave Segmenta		2
I	Llave Allen 2.5mm		1
J	Tornillos para madera #4.5 x 45		12
K	Rosc. C/ pan Ranura # 8 X 1"		4
L	Tarugos Nylon M6		4

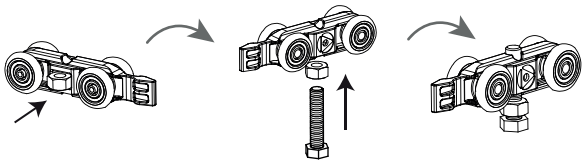
HERRAMIENTAS NECESARIAS

Taladro	
Brocas ø3 / ø6	
Plomo	
Destornillador cruz	
Huincha de medir	

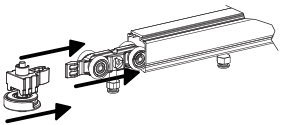
- Cortar los rieles según la fórmula indicada y luego perforar.

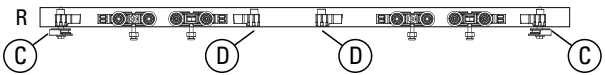


- Armar los carros, con perno y tuerca.

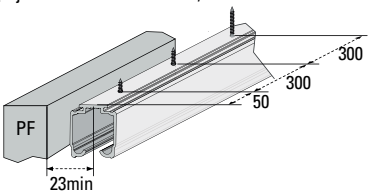


- Introducir frenos DN 80, carros y frenos polea, en las posiciones que indica el esquema.

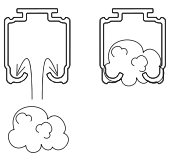




- Fijar el riel al cielo, tomando en cuenta la distancia indicada en el esquema. (Fijaciones no incluidas).

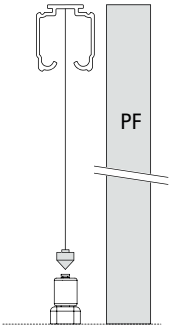


- Después de fijar, limpiar las pistas del riel para evitar posibles residuos.

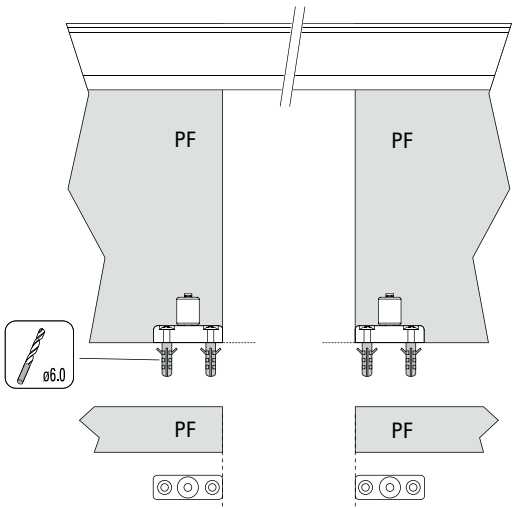


paso **2**

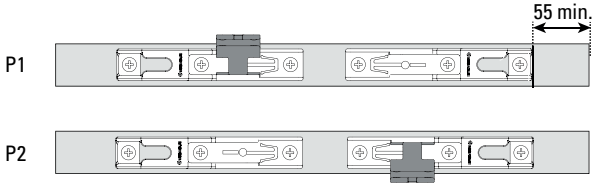
- Aplomar riel para determinar la posición de las guías alta GPR.



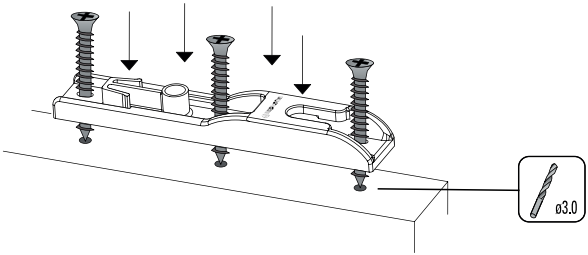
- Perforar el suelo con broca diámetro 6mm para fijar las guías en su posición, justo al término del paño fijo (PF), tal como lo indica el esquema.



En el canto superior de la puerta 1 (P1) y la puerta 2 (P2), fijar las bases candado desmontable y las bases Twin a 55mm mínimo del borde, y en la posición que indica el esquema.

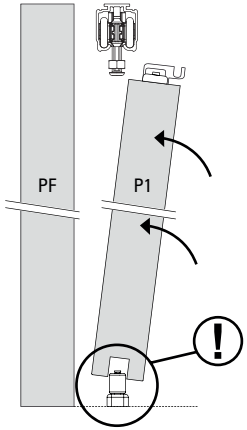


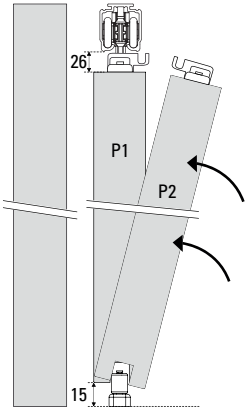
Hacer perforación guía con broca diámetro 3mm, para poder fijar las bases Twin con los tornillos 4.5x45.

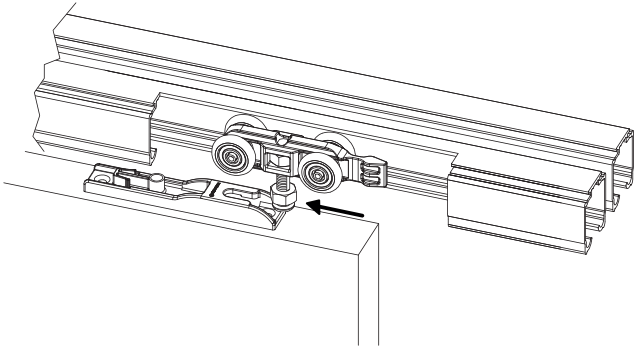


paso **4**

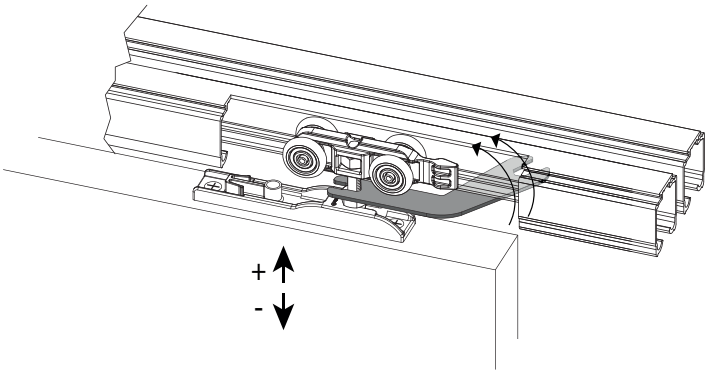
- Montar la puerta 1 (P1) sobre la guía GPR cuidando de no dañar la guía, e introducir los pernos de regulación de los carros en las bases Twin.
- De la misma forma montar la puerta 2 (P2) sobre la otra guía GPR, como se muestra en el esquema.



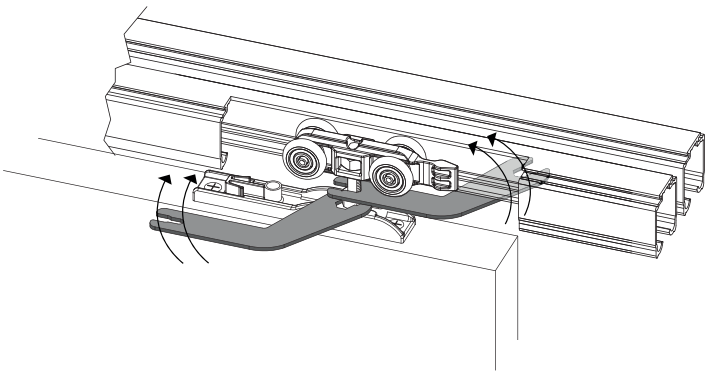




- Con la llave Segmenta regular la altura de la puerta girando el perno destaje completo.



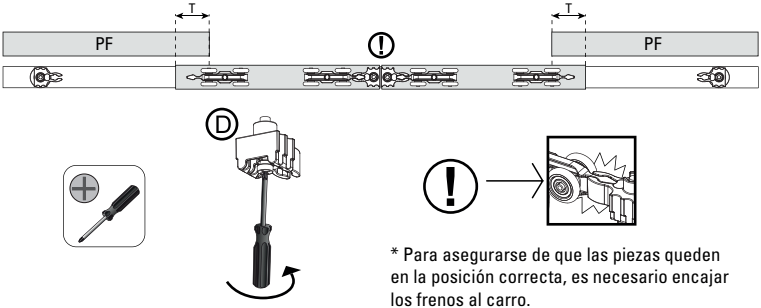
- Luego fijar la contratuerca utilizando ambas llaves Segmenta, una girando el perno y la otra la tuerca en sentido opuesto.



paso **6**

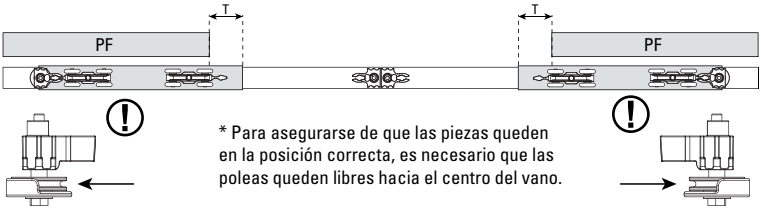
- Llevar las puertas ya montadas a su posición cerrada para poder fijar los frenos. Para ello, es necesario moverlos hasta encajarlos con los carros y fijarlos en esa posición.

- Fijar los frenos DN 80 en la posición deseada con el destornillador, como se muestra en la figura Ⓓ.

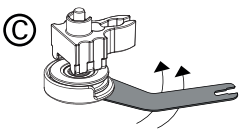


* Para asegurarse de que las piezas queden en la posición correcta, es necesario encajar los frenos al carro.

- Luego, para fijar los frenos restantes es necesario llevar las puertas a su posición abierta, mover los frenos polea hasta encajarlos con los carros y fijarlos en esa posición con la llave Segmenta.



* Para asegurarse de que las piezas queden en la posición correcta, es necesario que las poleas queden libres hacia el centro del vano.



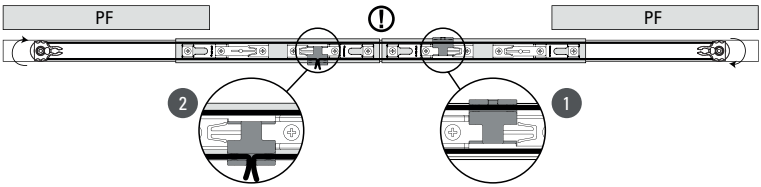
- Para lograr una terminación óptima, es necesario tener en cuenta las medidas mínimas de traslape (T).

T = 50 min

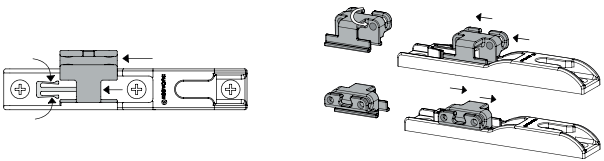
Fijación de la piola

paso **7**

- Con las puertas cerradas, colocar la piola siguiendo los pasos y el recorrido indicado por el esquema, partiendo por ajustarla en el freno candado de la puerta 1 (P1) con llave Allen 2.5mm.

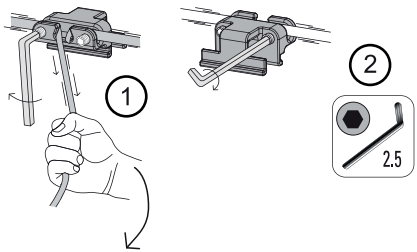


El candado puede ser desmontado de la base Twin y montado hacia el otro lado, en el caso de tener instalaciones inversas. Para ello se deben presionar las pestañas ubicadas en la base, tal como muestra el esquema.



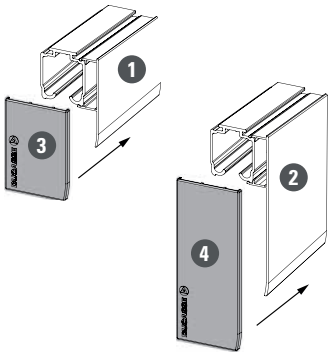
- Tensar y fijar la piola en el mismo candado donde se inició el recorrido, cuidando que los carros no se salgan de los frenos.

- Luego fijar el otro candado (2) con la llave Allen 2.5.



paso **8**

1. **CENEFA U-21 66x8**
2. **CENEFA U-21 120x8**
3. **TAPA U-21 CENEFA 66x8**
4. **TAPA U-21 CENEFA 120x8**

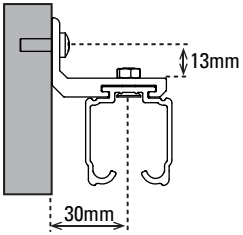


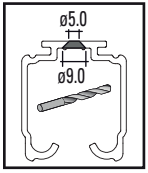
Usar solo con:

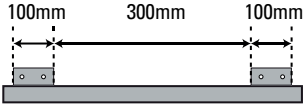
ESPESOR PUERTA MADERA

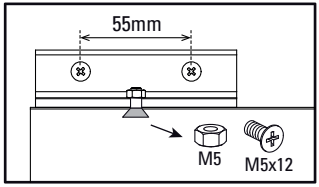
5. **CONECTOR MURO ANCHO**

INSTALACIÓN CONECTOR









Notas

index

TWIN OP is a synchronized sliding system for wooden doors of up to 80 Kg. each sheet.
The system allows the synchronized, opposite direction opening of both doors with only a single movement.

mm	Inches	Fraction
1	0.0394	3/64
2	0.0787	5/64
3	0.1181	1/8
4	0.1575	5/32

mm	Inches	Fraction
5	0.1969	13/64
6	0.2362	15/64
7	0.2756	9/32
8	0.3150	5/16

mm	Inches	Fraction
9	0.3543	23/64
10	0.3937	25/64
11	0.4375	7/16
12	0.4688	15/32

***ALL MEASUREMENTS ARE EXPRESSED IN MILLIMETERS**

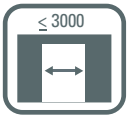
General data and door sizing

NUMBER OF DOORS

LOAD CAPACITY PER SHEET

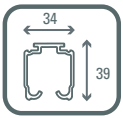

FOR WOODEN DOORS

WOODEN DOORS THICKNESS



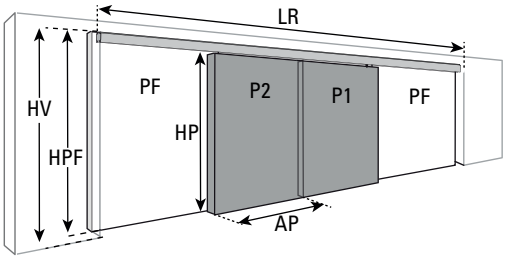
TRANSIT AREA

DOOR WIDTH

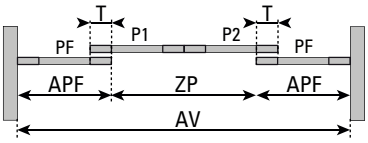


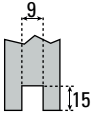
TRACK U21 AL

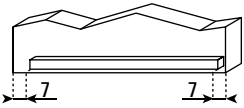
Doors sizing



HP = HV - 80
APF ≥ AP
AP = (ZP/2) + T
LR = 4AP - 2T
HPF = HV
T ≥ 50

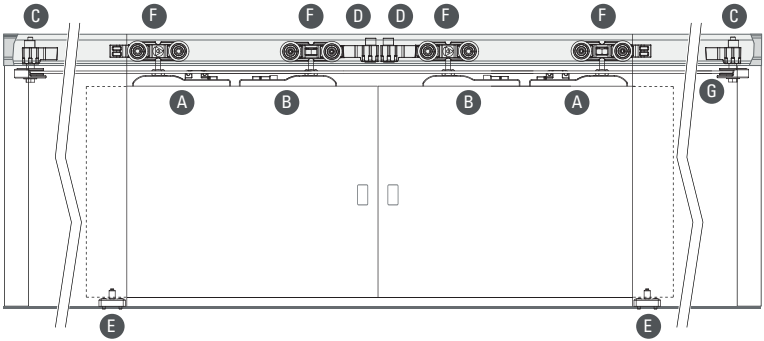






For wooden doors it is necessary to mechanize the bottom edge to allow the guide to pass.

AP = Door Width | AV = Opening Width | HP = Door Height | HV = Opening Height
HPF = Fixed Panel Height | APF = Fixed Panel Width | ZP = Transit Area | T = Overlap | LR = Track Length



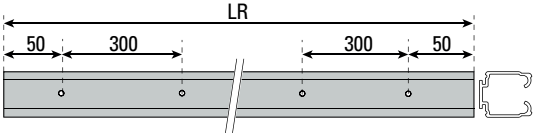
TWIN OP

A	Detachable lock base		2
B	Twin bases		2
C	Twin pulley stoppers		2
D	Stoppers DN 80		2
E	High GPR guide		2
F	DN 80 Carriers		4
G	13 mt. of cable		1
H	Segmenta key		2
I	Allen Key 2.5 mm		1
J	Wood screws #4.5 x 45		12
K	Slotted pan head screws # 8 x 1"		4
L	Nylon dowels M6		4

NECESSARY TOOLS

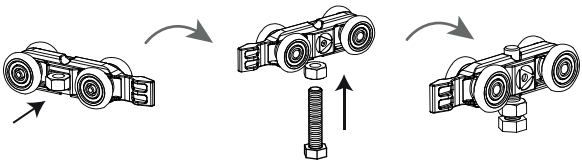
Drill	
Drill bits ø3 / ø6	
Plumb line	
Phillips screwdriver	
Measuring tape	

- Cut the tracks according to the following formula and then, drill.

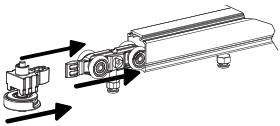


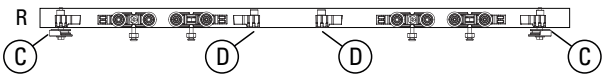
LR = 4AP - 2T

- Set up the carrier sets, inserting the carrier bolts through the carriers, paying special attention to their position.

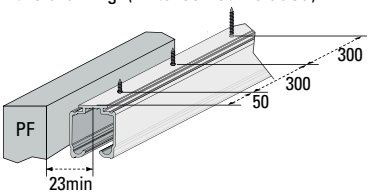


-Insert DN80 stoppers, carriers and pulley stoppers into the positions indicated in the diagram.

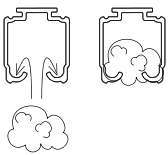




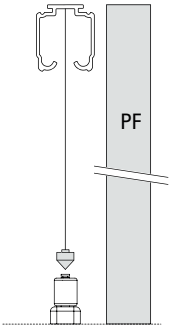
- Fix the tracks to the ceiling. Take into consideration the distance which is shown in the drawing. (Fixtures not included).



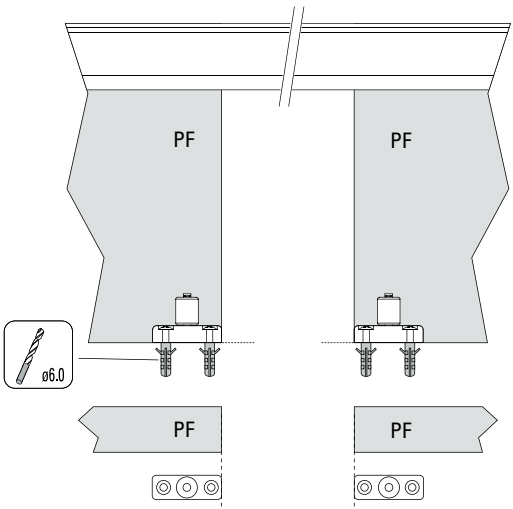
- After fixing, clean the track grooves to avoid possible leftover residues.



- Plumb track to determine the high GPR guide position.



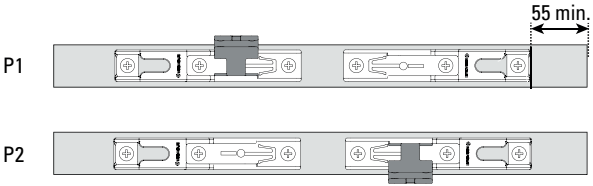
- Drill the floor with a 6mm diameter drill bit to secure the guide in position right at the end of the fixed sheet (PF), as shown in the diagram.



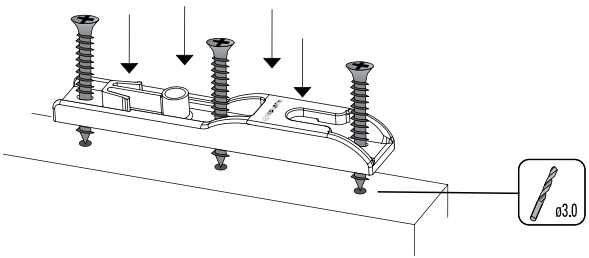
Installing Twin bases on doors.

step **3**

- At the upper edge of the door 1 (P1) and door 2 (P2), fix the detachable lock bases and Twin bases considering a minimum distance of 55 mm from the edge, as indicated in the diagram.



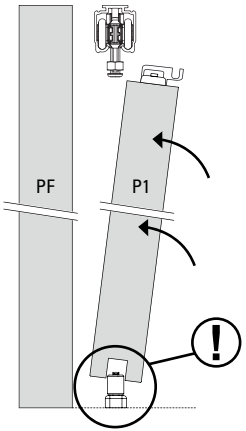
- Drill the guide with a 3mm diameter drill bit to fix the Twin bases with 4.5x45 screws.

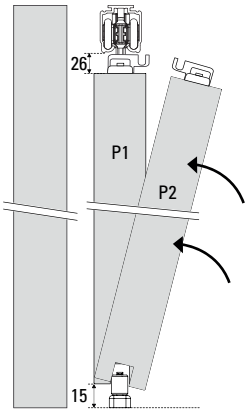


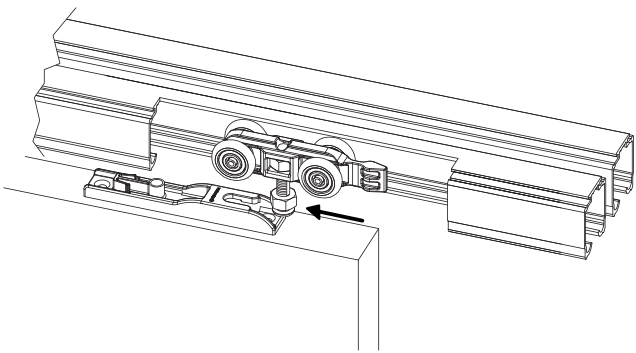
step 4

- Assemble door 1 (P1) on GPR guide, taking care not to damage the guide, and insert the bolts into Twin bases.

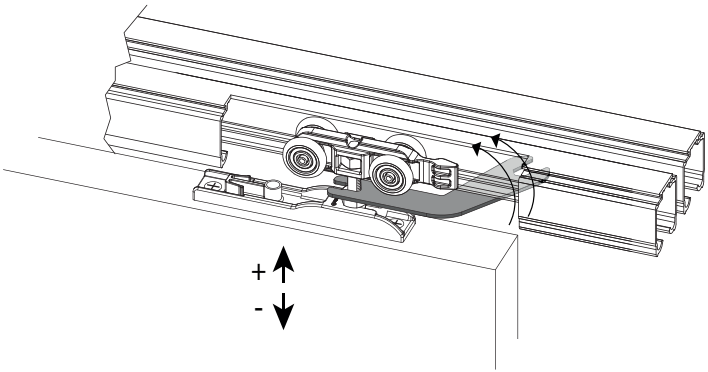
- Likewise, assemble door 2 (P2) on the other GPR guide, as shown in the diagram.



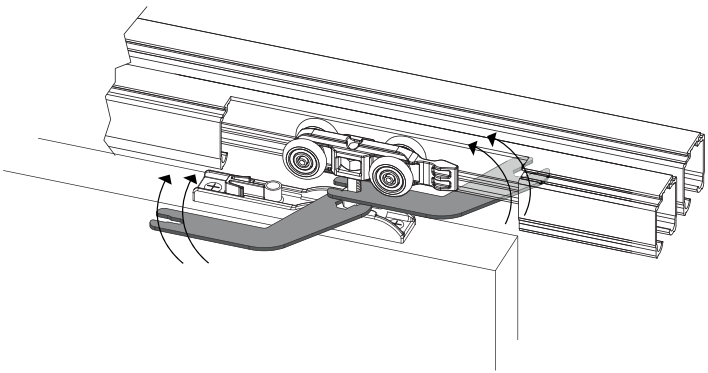




- Using the Segmenta key adjust the height of the door turning the bolt completely.



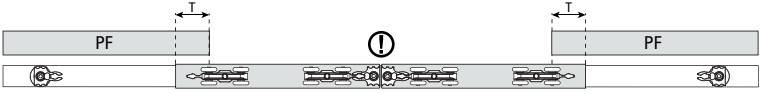
- Then, fix the lock nut using the two Segmenta keys; one rotating the bolt and the other, the nut on the opposite direction.

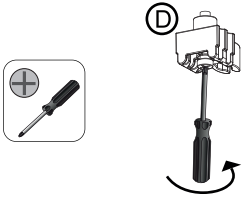


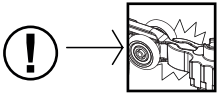
step 6

- Keep mounted doors in its closed position to fix the stoppers. To do this, you need to move them until they fit with the carriers and then, fix them in that position.

- Fix DN 80 stoppers to the desired position using the screwdriver, as indicated in Figure Ⓓ.



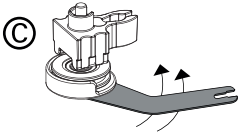




* To make sure the pieces are left in the right position, it is necessary to fit the stoppers on the carrier.

- Then, to fix the remaining stoppers it is necessary to bring the doors to a open position, move the stoppers until fitting them with the carriers and fix them in that position.

* To make sure the pieces are left in the right position, it is necessary that the pulley is free towards the center of the rail.

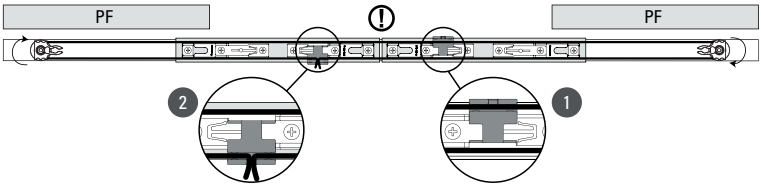


- To achieve an optimal termination it is necessary to consider the minimum measures of overlapping (T).

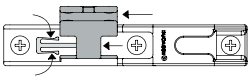
T = 50 min

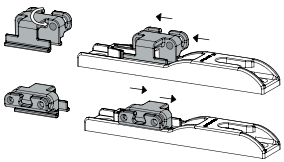
step **7**

- With the doors closed, place the cable following the steps and the path indicated in the diagram. Start the process by adjusting it on the lock stopper of the door 1 (P1) using a 2.5mm Allen key.



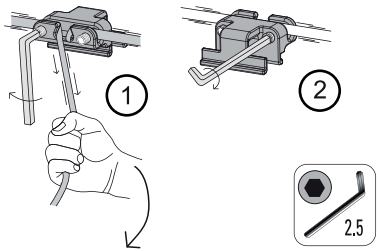
The lock can be disassembled from the Twin base and assembled to the other side if the facility is reversed. To do this, you need to press the tabs at the base, as shown in the diagram.



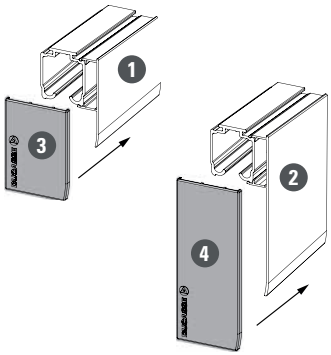


- Tighten and fix the cable in the same lock where the trajectory began.
Make sure the carriers do not get out of the stoppers.

- Then, fix lock (2) using a 2.5 mm Allen Key.



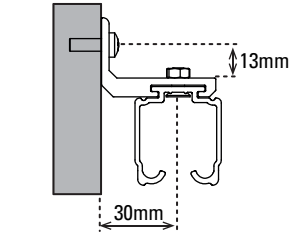
1. **FASCIA U-21 66x8**
2. **FASCIA U-21 120x8**
3. **END CAP FASCIA U-21 66x8**
4. **END CAP FASCIA U-21 120x8**

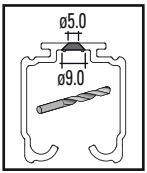


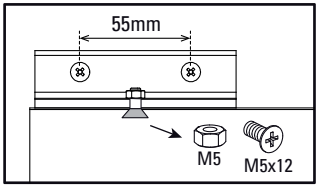
Use only with:

5. **WIDE LATERAL BRACKET**

BRACKET INSTALLATION







Notes

índce

TWIN OP é um sistema de correr sincronizado suspenso para portas de madeira de até 80 kg por porta.
O sistema permite que com um só movimento se abram ambas as portas sincronizadamente em sentido oposto.

mm	Polegadas	Fração
1	0.0394	3/64
2	0.0787	5/64
3	0.1181	1/8
4	0.1575	5/32

mm	Polegadas	Fração
5	0.1969	13/64
6	0.2362	15/64
7	0.2756	9/32
8	0.3150	5/16

mm	Polegadas	Fração
9	0.3543	23/64
10	0.3937	25/64
11	0.4375	7/16
12	0.4688	15/32

***TODAS AS MEDIDAS ESTÃO INDICADAS EM MILÍMETROS**

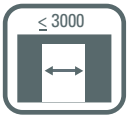
Dados gerais e dimensionamento das portas

QUANTIDADE DE PORTAS

CAPACIDADE DE CARGA POR PORTA

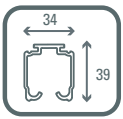

PARA PORTAS DE MADEIRA

ESPESSURA PORTA MADEIRA



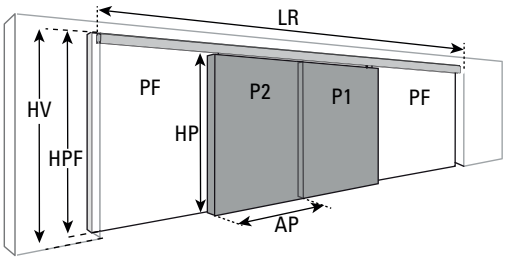
VÃO DE PASSAGEM

LARGURA DA PORTA

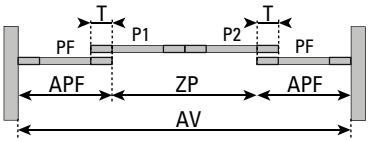


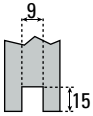
TRILHO U21 PARA SANEFA

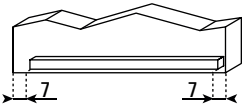
Para dimensionar as portas



HP = HV - 80
APF ≥ AP
AP = (ZP/2) + T
LR = 4AP - 2T
HPF = HV
T ≥ 50

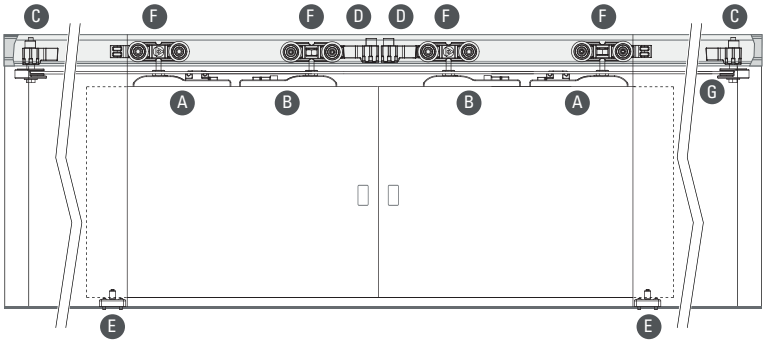






Para portas de madeira é necessário usinar a parte inferior para permitir o deslizamento da guia.

AP = Largura da porta | AV = Largura do vão | HP = Altura da porta | HV = Altura do vão
HPF = Altura do painel fixo | APF = Largura do painel fixo | ZP = Vão de passagem
T = Transpasse | LR = Comprimento trilho



TWIN OP

A	Placa com presilha desmontável		2
B	Placa simples		2
C	Freios com roldana		2
D	Freios DN 80		2
E	Guia alta GPR		2
F	Carros DN80		4
G	Cabo 13 mt.		1
H	Chave Segmenta		2
I	Chave Allen 2,5 mm		1
J	Parafuso para madeira #4,5 x 45		12
K	Parafuso cab. pan. #8 x 1"		4
L	Bucha Nylon M6		4

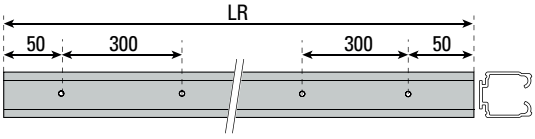
FERRAMENTAS NECESSÁRIAS

Parafusadeira	
Brocas ø3 / ø6	
Prumo	
Chave fenda philips	
Fita métrica	

Instalação do trilho, carros e freios.

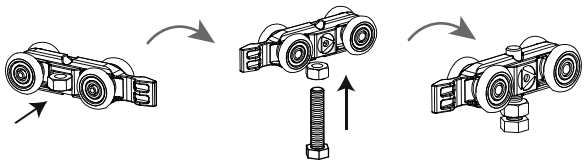
passo 1

- Cortar os trilhos conforme a fórmula indicada e perfurar.

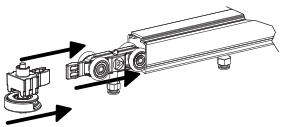


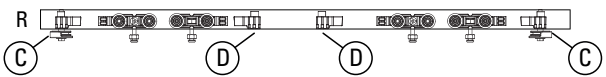
LR = 4AP - 2T

- Armar os conjuntos de carros, introduzindo os parafusos através dos carros, prestando atenção especial na posição dos mesmos.

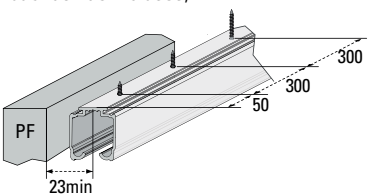


- Introduzir os freios DN80, carros e freios com roldana nas posições indicadas no desenho.

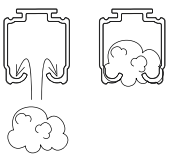




- Fixar os trilhos no teto, considerando a distância indicada no desenho (parafusos e buchas não inclusos).

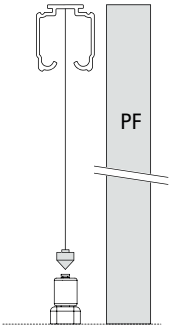


- Depois de fixar, limpar os canais dos trilhos para evitar a permanência de vpossíveis resíduos.

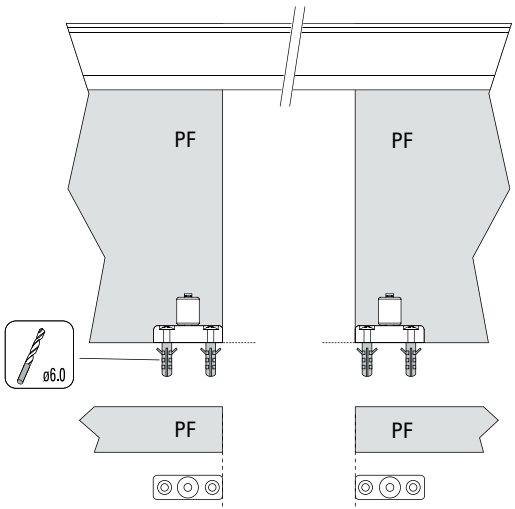


passo **2**

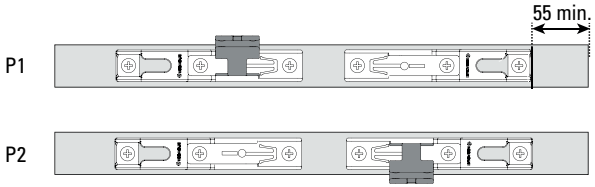
- Prumar trilho para determinar a posição dos Guias GPR.



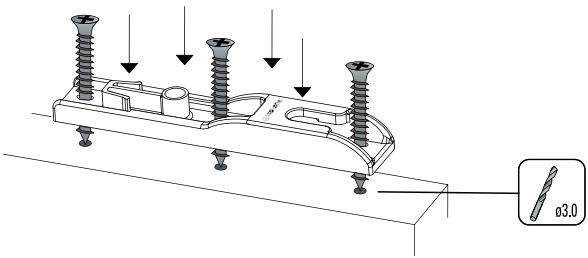
- Perfurar o piso com broca de diâmetro 6 mm para fixar a guia em sua posição, junto ao final do painel fixo (PF), assim como indicado no desenho.



- No canto superior da porta 1 (P1) e da porta 2 (P2), fixar as placas com presilha desmontáveis e as placas simples com recuo mínimo de 55 mm da lateral da porta, e na posição indicada no desenho.



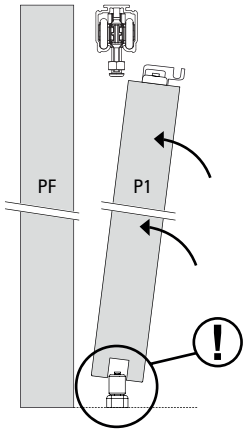
- Fazer pré-furação com broca diâmetro 3 mm, para poder fixar as placas com parafusos 4,5 x 45.

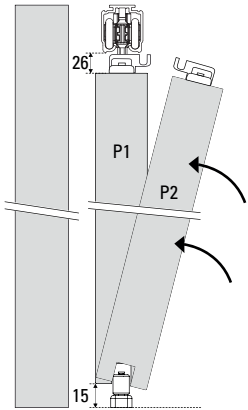


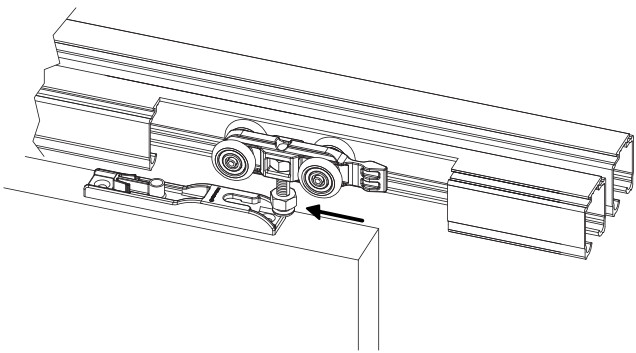
passo 4

- Encaixar a porta 1 (P1) sobre a guia de piso cuidando para não danifica-la, e encaixar os parafusos de regulagem dos carros nas placas fixadas na porta.

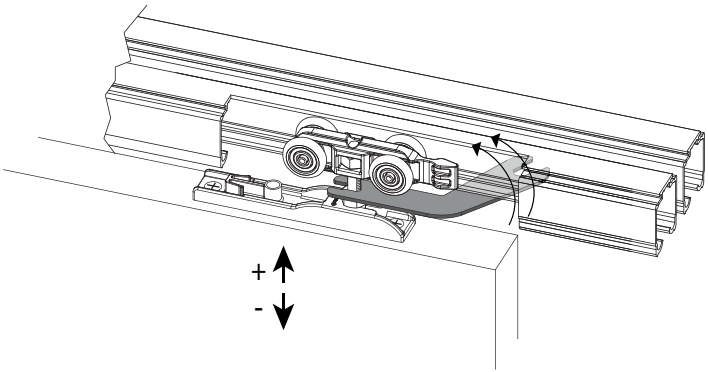
-Da mesma forma instalar a porta 2 (P2) sobre a outra guia de piso como indicado no desenho.



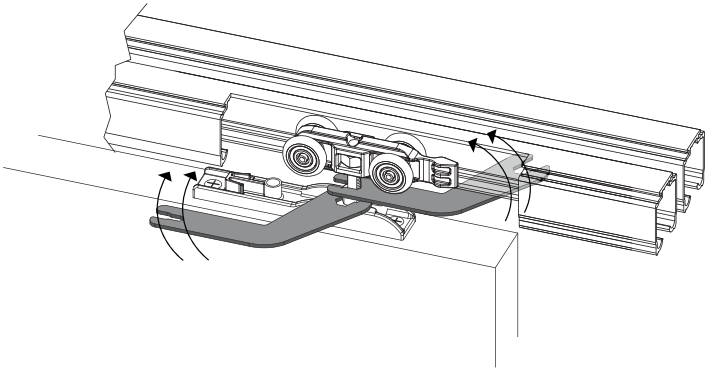




- Com a chave Segmenta regular a altura da porta girando o parafuso dos carros.



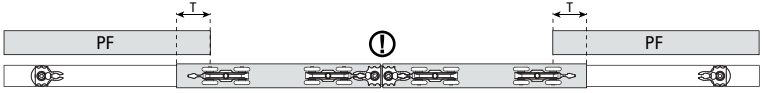
- Em seguida fixar a porca do carro utilizando ambas as chaves Segmenta, uma segurando o parafuso e outra girando a porca no sentido oposto até travar contra a placa.

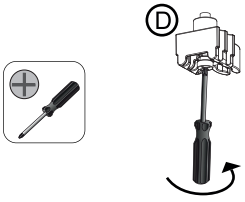


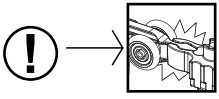
passo 6

- Mover as portas já instaladas para sua posição fechada distribuindo o transpasse entre as portas. Deslizar os freios até encaixar nos carros e fixa-los nessa posição.

- Fixar os freios DN80 na posição desejada com auxílio de chave Philips conforme indicado na figura (D).

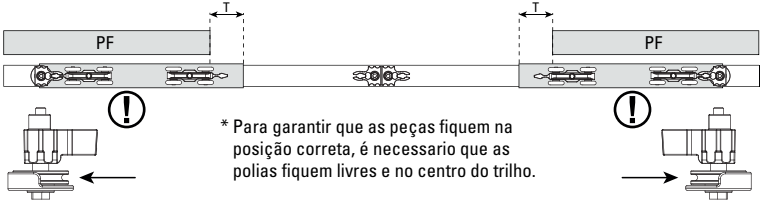




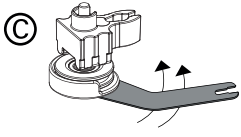


* Para assegurar-se que as peças estejam na posição correta, é necessário encaixar os freios nos carros.

- Em seguida, para fixar os freios restantes é necessário mover as portas até sua posição aberta, deslizar os freios até encaixar nos carros e fixa-los nessa posição.



* Para garantir que as peças fiquem na posição correta, é necessario que as polias fiquem livres e no centro do trilho.

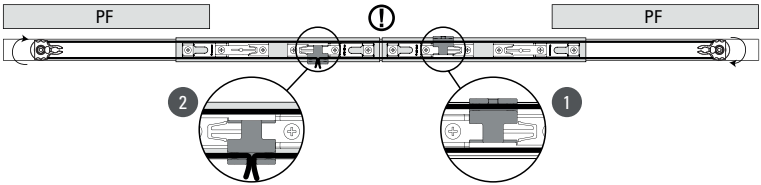


- Para ter um ótimo acabamento é necessário considerar as medidas mínimas de transpasse (T).

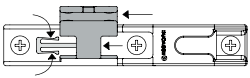
T = 50 min

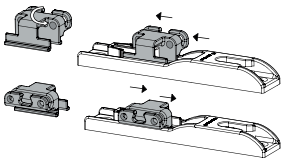
passo 7

- Com as portas fechadas, colocar o cabo seguindo os passos e o percurso indicados no desenho a seguir, iniciando a partir do freio com presilha da porta 1 (P1) ajustando o cabo e apertando com a chave Allen 2,5 mm.



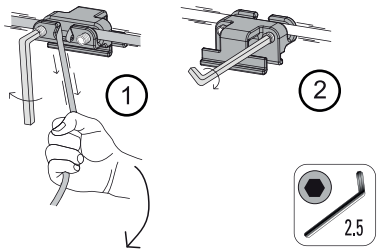
A presilha pode ser desencaixada da placa e instalada do outro lado para inverter o lado de instalação das portas. Para isso devem-se pressionar as pestanas localizadas na placa como indicado no desenho.



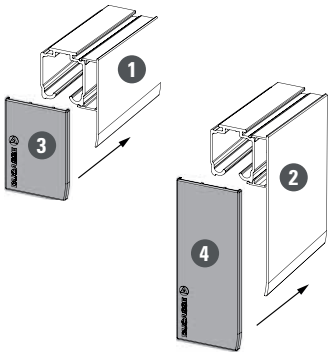


- Tencionar e fixar o cabo na mesma presilha onde se iniciou a montagem, cuidando para que os carros não se soltem dos freios.

Em seguida fixar o cabo na outra presilha (2) com a chave Allen 2,5.



1. **SANEFA U21 COM ESPAÇADOR 66x8**
2. **SANEFA U21 COM ESPAÇADOR 120x8**
3. **TAMPA U21 PARA SANEFA 66x8**
4. **TAMPA U21 PARA SANEFA 120x8**

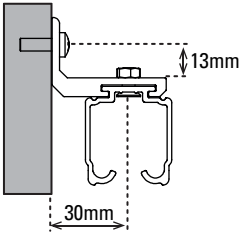


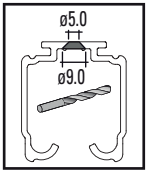
Use apenas com:

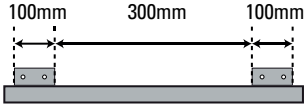
ESPESSURA PORTA MADEIRA

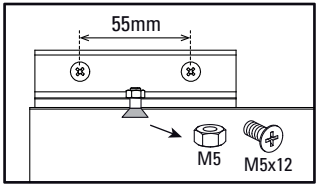
5. **CONECTOR U-21 LARGO**

INSTALAÇÃO CONECTOR









Notas

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