

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.

- 15 General data and door sizing.
- 16 Detail of parts and pieces.
- 17 Step 1: Track, carriers and stoppers installation.
- 18 Step 2: Set-up of the guide to the floor.
- 19 Step 3: Installing Twin bases on doors.
- 20 Step 4: Set-up of the telescopic guide.
- 21 Step 5: Doors mounting.
- 22 Step 6: Height regulation.
- 23 Step 7: Stoppers set-up.
- 24 Step 8: Cable set-up.
- 25 Accessories.

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



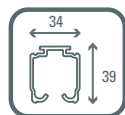
WOODEN DOORS THICKNESS



TRANSIT AREA

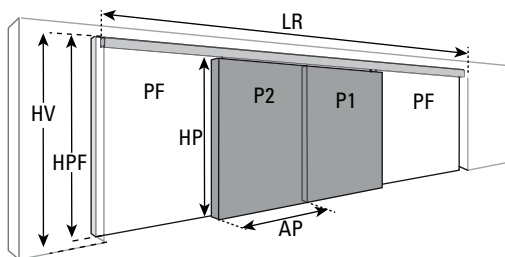


DOOR WIDTH

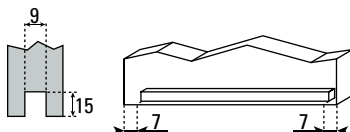
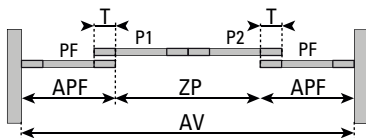


TRACK U21 AL

Doors sizing



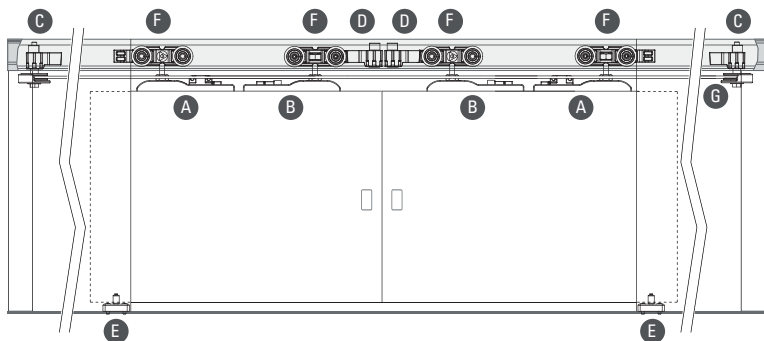
$$\begin{aligned} HP &= HV - 80 \\ APF &\geq AP \\ AP &= (ZP/2) + T \\ LR &= 4AP - 2T \\ HPF &= HV \\ T &\geq 50 \end{aligned}$$















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






Detail of parts and pieces



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

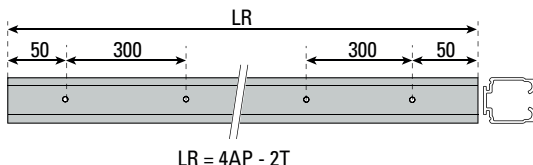
NECESSARY TOOLS

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

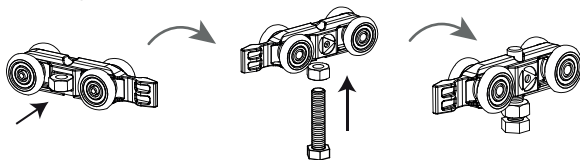
Track, carriers and stoppers installation.

step 1

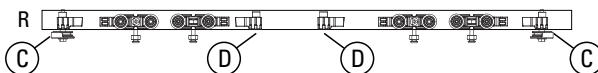
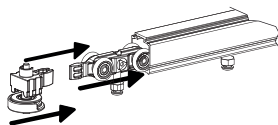
- Cut the tracks according to the following formula and then, drill.



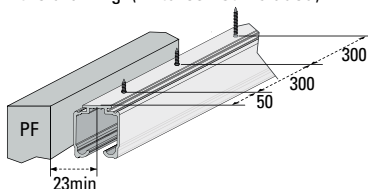
- Set up the carrier sets, inserting the carrier bolts through the carriers, paying special attention to their position.



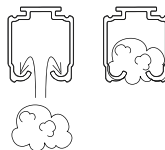
- Insert DN80 stoppers, carriers and pulley stoppers into the positions indicated in the diagram.



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



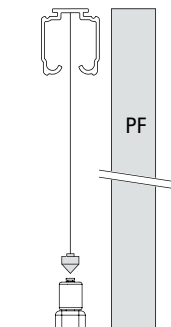
- After fixing, clean the track grooves to avoid possible leftover residues.



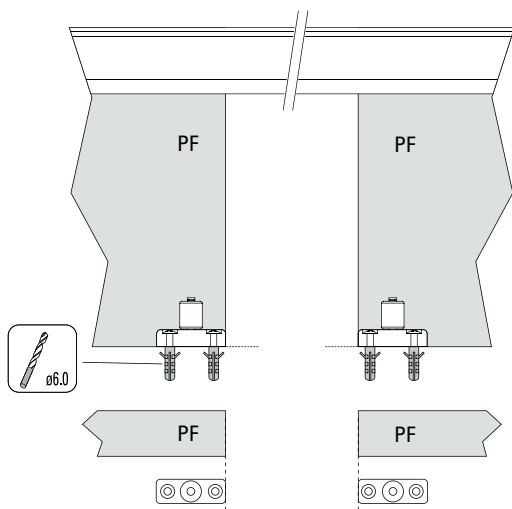
Set-up of the guides to the floor

step 2

- Plumb track to determine the high GPR guide position.



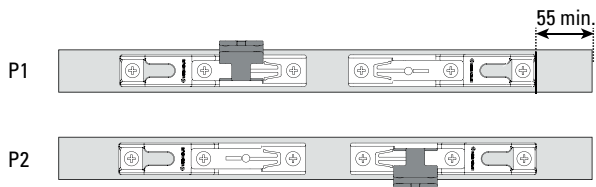
- Drill the floor with a 6mm diameter drill bit to secure the guide in position right at the end of the fixed sheet (PF), as shown in the diagram.



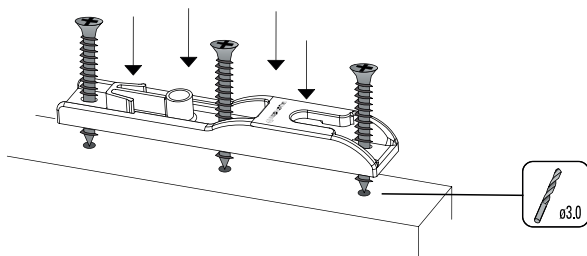
Installing Twin bases on doors.

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.

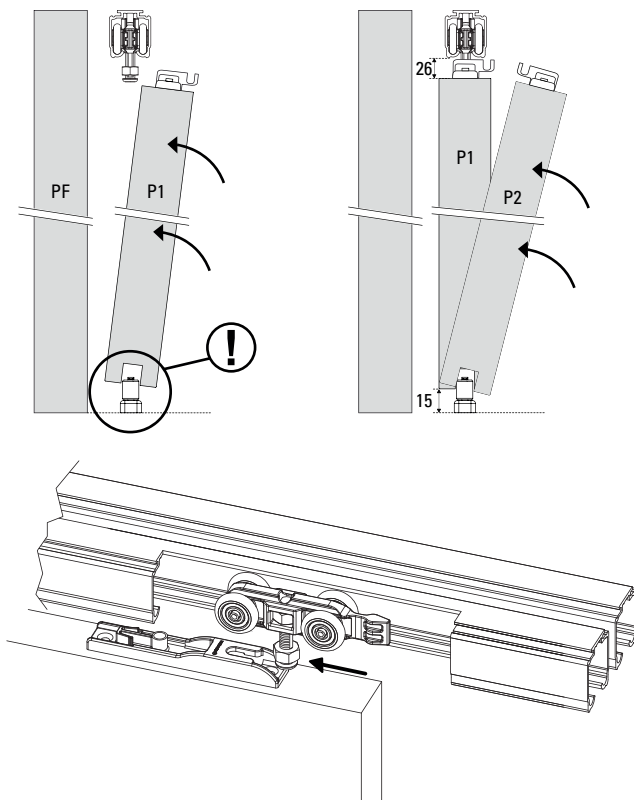


- Drill the guide with a 3mm diameter drill bit to fix the Twin bases with 4.5x45 screws.

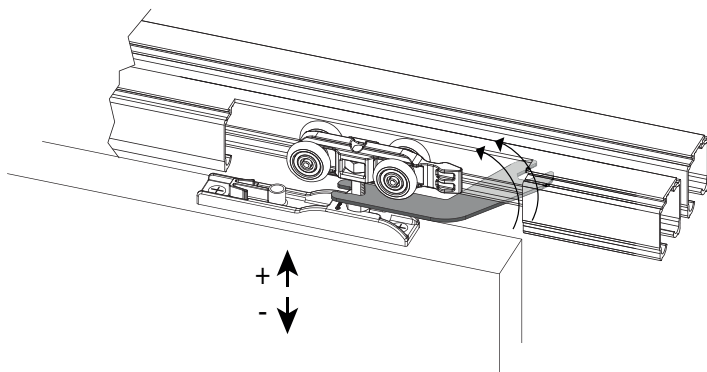


step 4

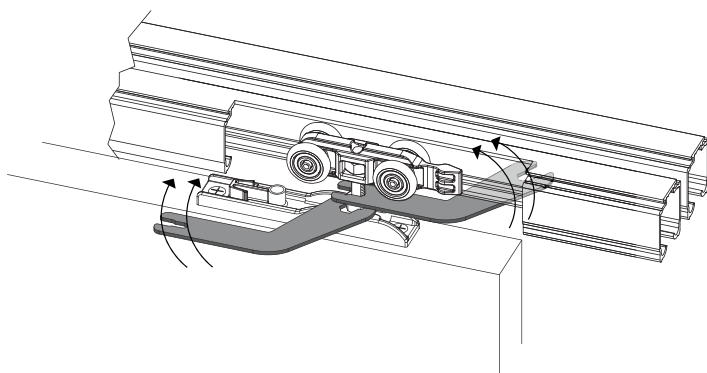
- Assemble door 1 (P1) on GPR guide, taking care not to damage the guide, and insert the bolts into Twin bases.
- Likewise, assemble door 2 (P2) on the other GPR guide, as shown in the diagram.



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



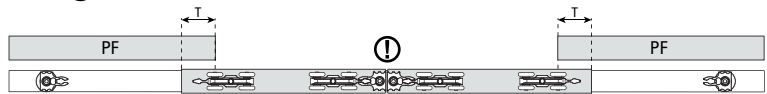
- Then, fix the lock nut using the two Segmenta keys; one rotating the bolt and the other, the nut on the opposite direction.



step 6

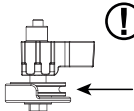
- Keep mounted doors in its closed position to fix the stoppers. To do this, you need to move them until they fit with the carriers and then, fix them in that position.

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

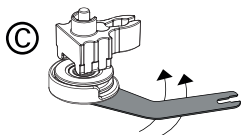
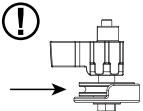


* To make sure the pieces are left in the right position, it is necessary to fit the stoppers on the carrier.

- Then, to fix the remaining stoppers it is necessary to bring the doors to an 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.

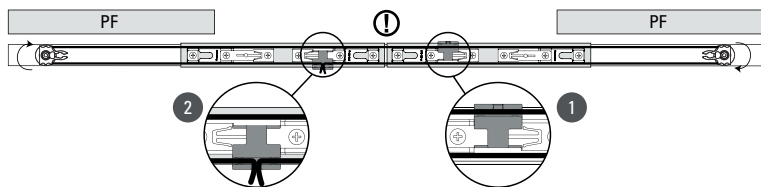


- To achieve an optimal termination it is necessary to consider the minimum measures of overlapping (T).

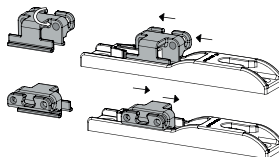
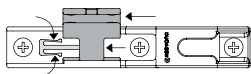


T = 50 min

- 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.

