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TWIN OP VD is a synchronized sliding system for glass doors of up to 80 Kg. each sheet.

The system allows the synchronized, opposite direction opening of both doors with only a single movement.

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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 GLASS
DOORS



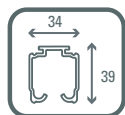
GLASS DOORS
THICKNESS



TRANSIT AREA

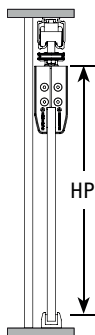
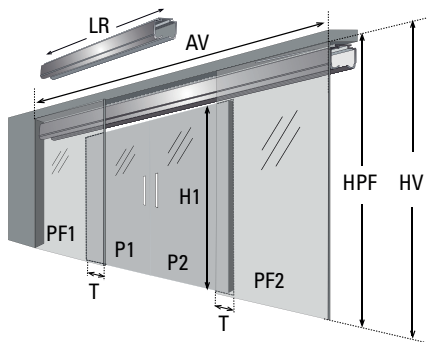


DOOR WIDTH

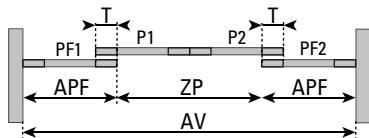


TRACK U21 AL

Doors sizing



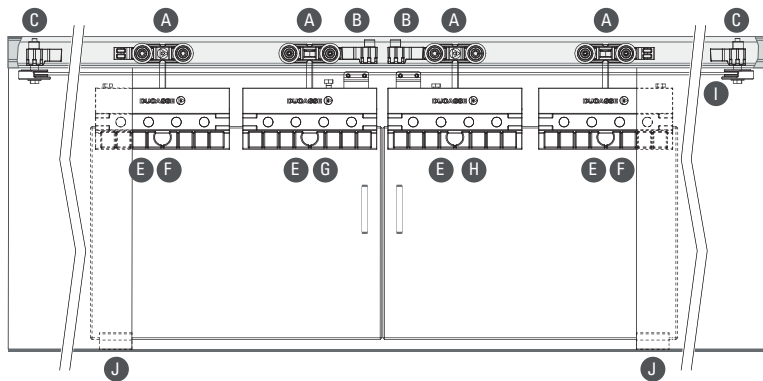
$$\begin{aligned} LR &= 4AP - 2T \\ AP &= (ZP/2) + T \\ H1 &= HV - 125 \\ APF &\geq AP \\ HPF &= HV \\ HP &= H1 + 51 \\ T &= 50 \text{ min.} \end{aligned}$$

















! Use with tempered glass





AP = Door Width | AV = Opening Width | H1 = Glass Height | 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 VD

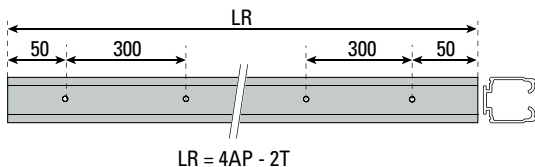
A	DN 80 Carriers		4
B	Stoppers DN 80		2
C	Twin pulley stoppers		2
D	Carrier bolt		4
E	Superior clamp		4
F	Twin Plate		2
G	Lock Plate (right)		1
H	Lock Plate (left)		1
I	13 mts of cable + cable locker		1
J	Floor guide VD + regulator 8-10		2
K	Clamp end left cap		4
L	Clamp end right cap		4
M	Segmenta key		1
N	Allen key 2.5 / 3 / 4mmv		1

O	Bolts M5 x 20		16
P	Dowels n°6		2
Q	Screws #3.5 x 35		2
R	Clean kit		4

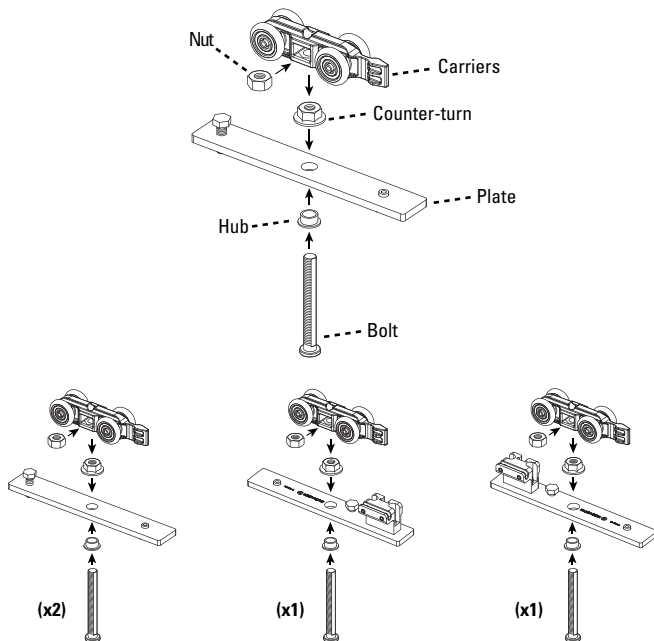
NECESSARY TOOLS

Drill	
Torque wrench	
Plumb line	
Phillips screwdriver	
Measuring tape	

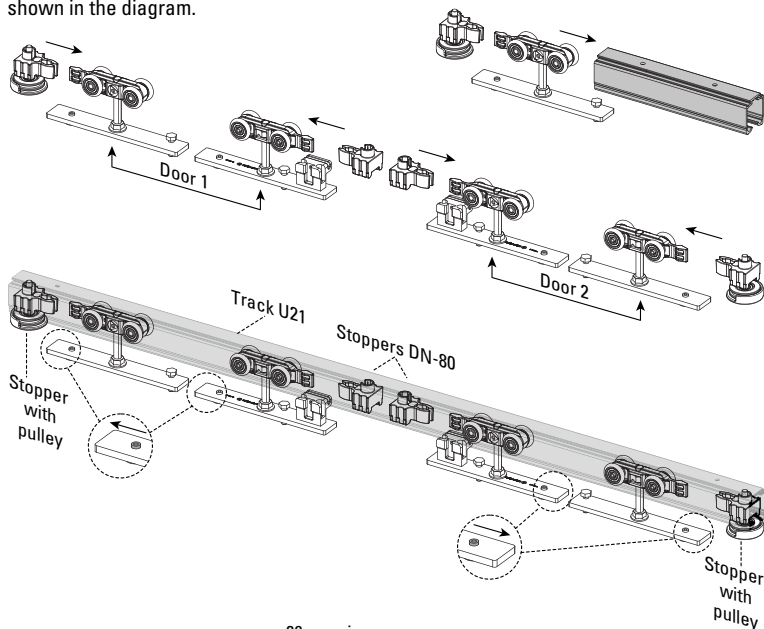
- Cut the tracks according with the shown formula and then, drill.



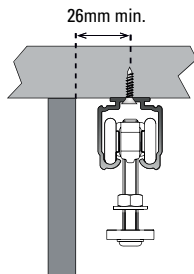
- Set up the carrier sets, inserting the carrier bolts through the plates and carriers, paying special attention to their position.



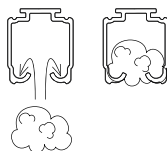
- Insert stoppers DN 80, carriers and pulley stoppers into the track, following the positions shown in the diagram.



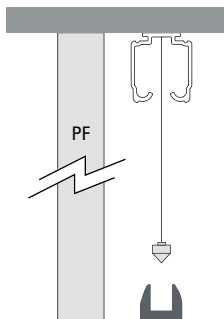
- Fix the tracks to the ceiling. Take into consideration the distance which is shown in the diagram.
(Fixtures not included).



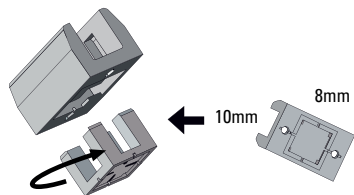
- After fixing, clean the track grooves to avoid possible leftover residues.



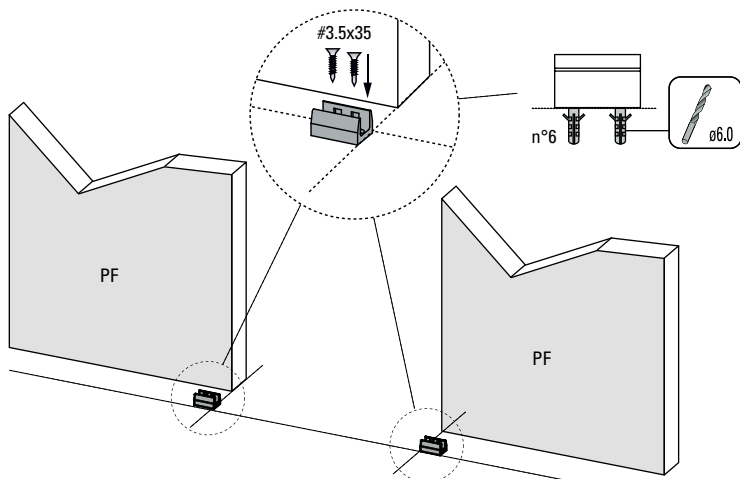
- Plumb the track to determine the Floor guide VD position.



- Position the regulator in the Floor guide VD, according with the glass width to be used.



- Fix the guide to the floor at the bound of the fixed panel, as shown in the diagram, using dowels n°6 and then screws 3.5x35.

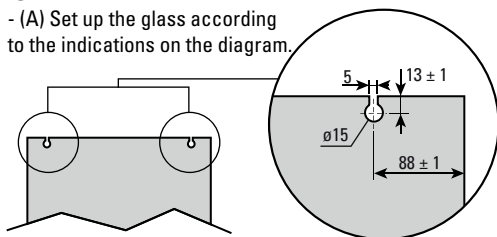


step 3

OPTION (A): Perforated clamps / OPTION (B): Compression clamps

①

- (A) Set up the glass according to the indications on the diagram.

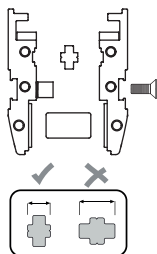


(B) Clean the glass in the clamp installation area using the cleaning kit included.



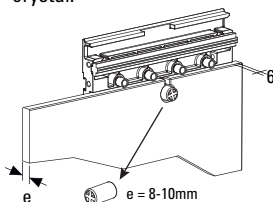
②

- (A) and (B) Place the spacer in the 8-10mm position.



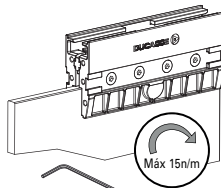
③

- (A) and (B) Place the clamp in the crystal, 6mm from the edge.
- (A) Place the metal hub in the crystal.



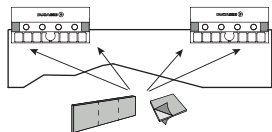
④

- (A) and (B) Place the other part of the clamp and tighten the bolts with the 4mm Allen key.

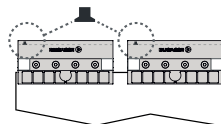


⑤

- (A) and (B) Place the adhesives on the edges.



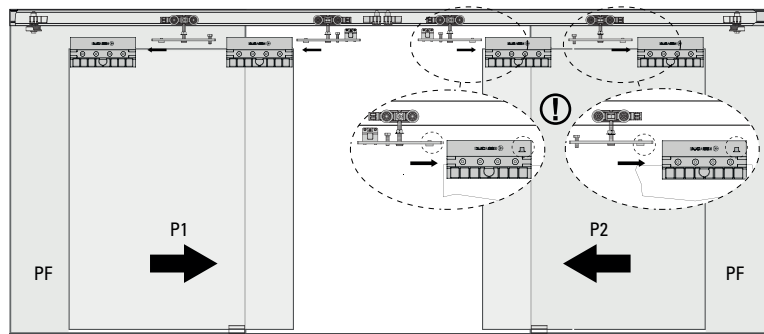
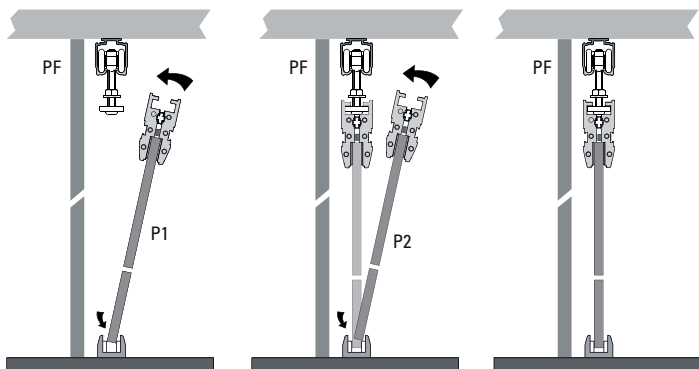
*** Clamps stoppers must be positioned at opposite sides.



OPTION (A)

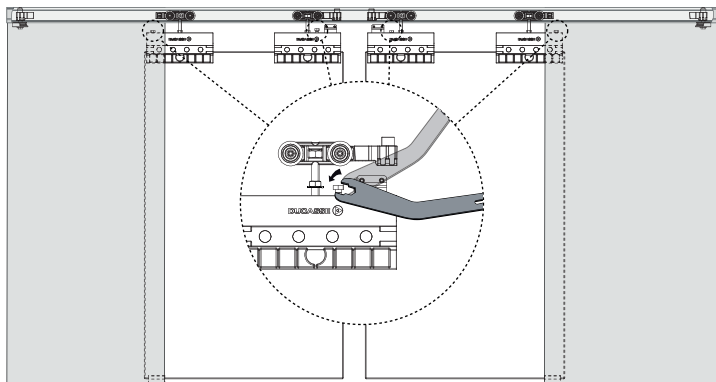
- * Recommended for crystals over 50 kg.
- * Consider perforations for the door handles.
- * Recommended for high humidity conditions.

- Mount Door 1 (P1) on floor guide VD, making sure the telescopic guide is not damaged, and introduce the plates in the clamps.
- In the same way, mount the door 2 (P2) in guide VD as shown in the diagram.

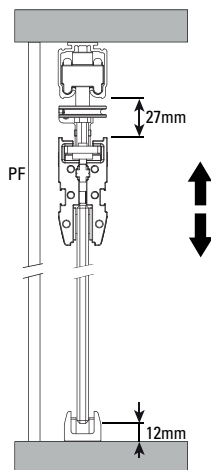
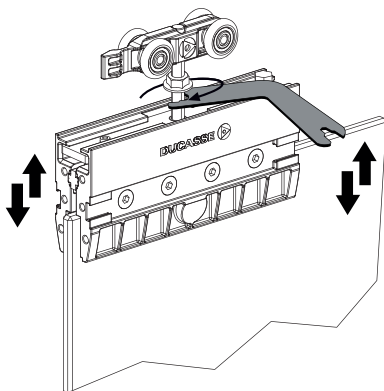


step 5

- With the help of the Segmenta key, fix the carrier plates to the clamps, adjusting the upper bolt, as shown.



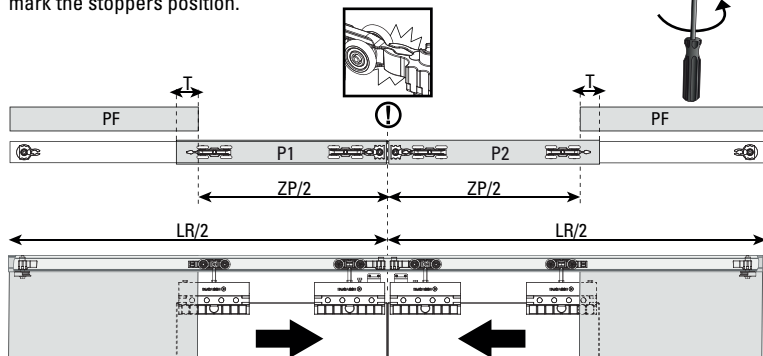
- Regulate the height of the glasses, adjusting the carrier bolt with the Segmenta key.



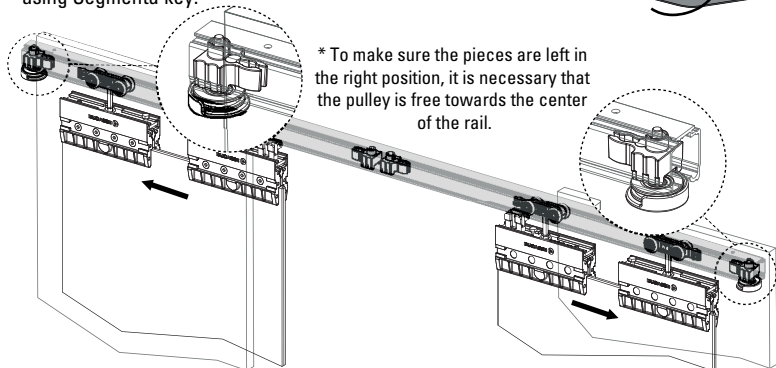
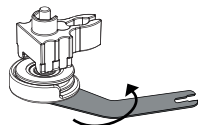
Stoppers Set-up

step 6

- Keep the doors in a closed position and assemble carriers with stoppers DN 80 in the middle of the track. Define the desired door separation and mark the stoppers position.

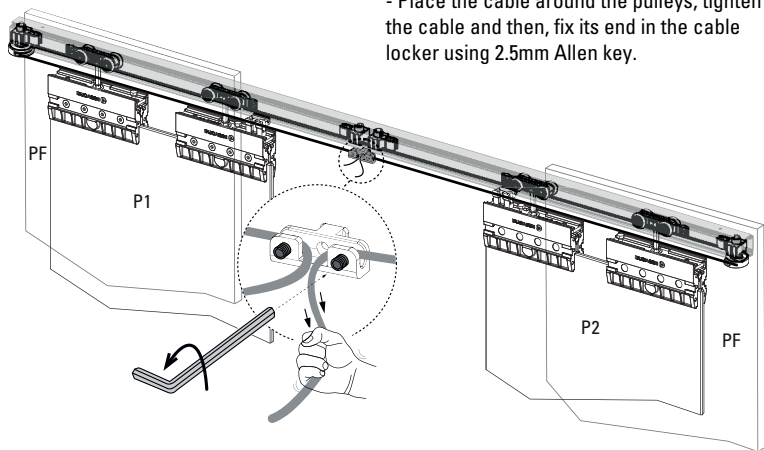


- Open the doors, disassemble the stoppers, take them to the mark and fix with the screwdriver as shown in the diagram.
- Move the pulley stoppers to the ends of the track and fix them using Segmenta key.

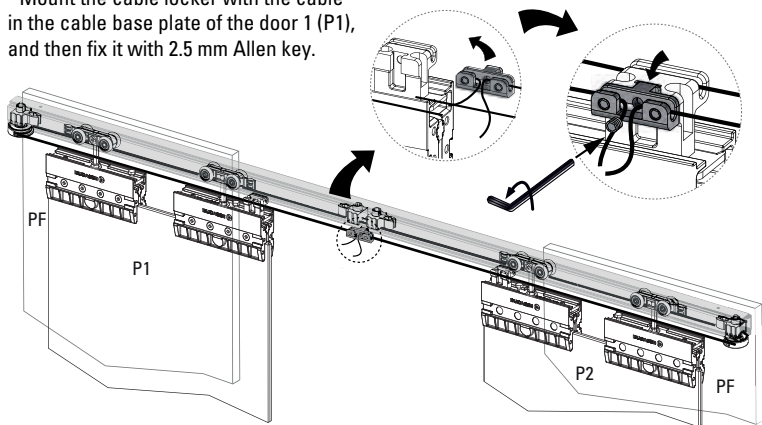


step 7

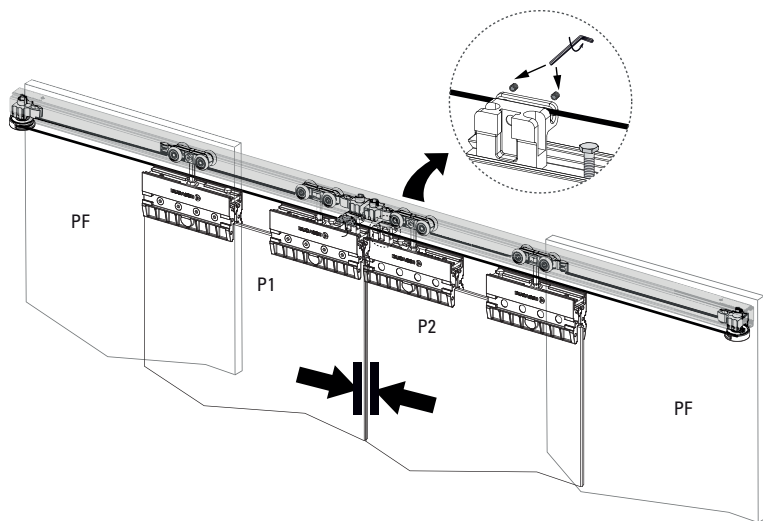
- Place the cable around the pulleys, tighten the cable and then, fix its end in the cable locker using 2.5mm Allen key.



- Mount the cable locker with the cable in the cable base plate of the door 1 (P1), and then fix it with 2.5 mm Allen key.

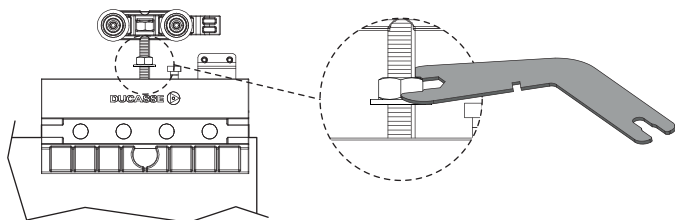


- Then, with the doors closed, place the cable in the cable base plate of door 2 (P2) using 2.5 mm Allen key.

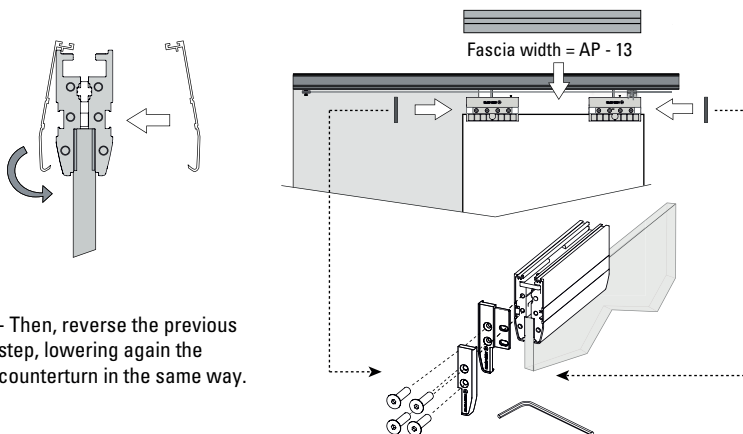


step 8

- With the Segmenta key, lift the counterturn in order to be able to place the fascias in the next step.



- Clip the fascia in the door clamps and then fix the right and left end caps, with M5 x 20 bolts and the 3mm Allen key.



- Then, reverse the previous step, lowering again the counterturn in the same way.

Accessories

1 FASCIA U-21 66x8

2 FASCIA U-21 120x8

3 END CAP FASCIA U-21 66x8

4 END CAP FASCIA U-21 120x8

5 ZAMAK END CAPS

