

Folding Sliding Door Systems

ERZEN®



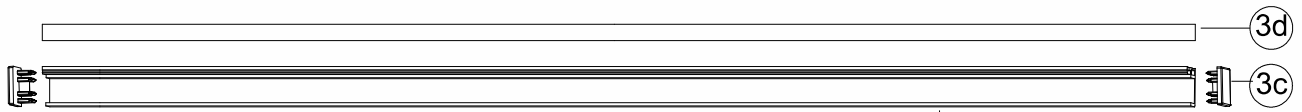
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Folding Sliding Door Systems



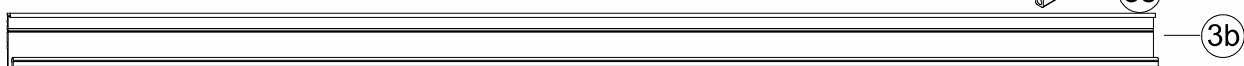
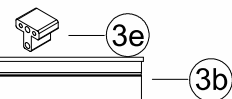
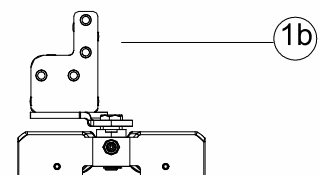
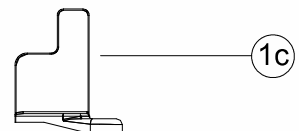
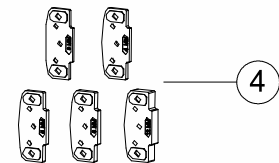
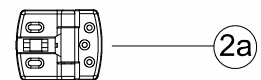
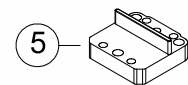
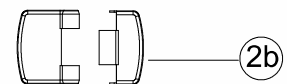
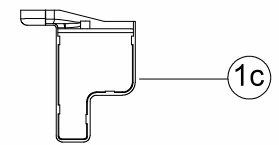
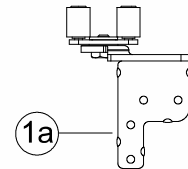
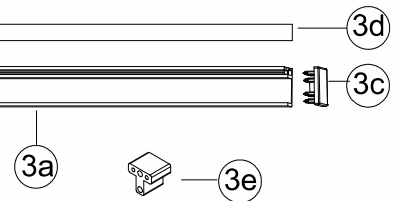
1	Carrier Sets	RAL 9016	RAL 8019
		P71011	P71013
1a	Upper Carrier		
1b	Bottom Carrier		
1c	Carrier Cover Caps		

2	Middle Hinge Sets	RAL 9016	RAL 8019
		P71004	P71006
2a	Middle Hinge		
2b	Middle Hinge Cover Caps		

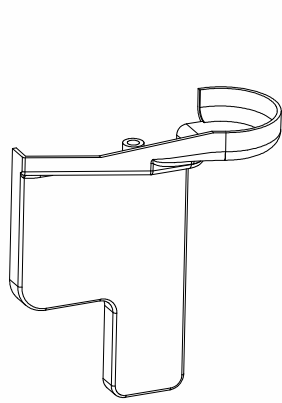
3	Rail Sets	RAL 9016	RAL 8019
		P71031	P71032
3a	Upper Guidins Rail		
3b	Bottom Running Rail		
3c	End Cover Cap For Upper Guiding Rail		
3d	Screw Cover Profile (PVC)		
3e	Assmebly T-Jig Of Rails		

4	Middle Hinge Block Sets	RAL 9016	RAL 8019
		P71028	P71029

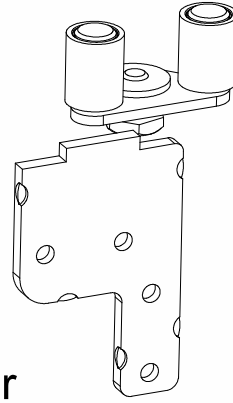
5	Assembly Jig Of Middle Hinge	RAL 9016
		P71030



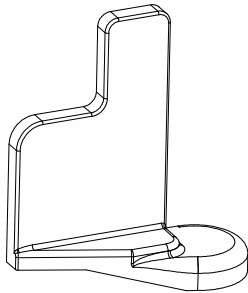
Folding Door Carrier Sets



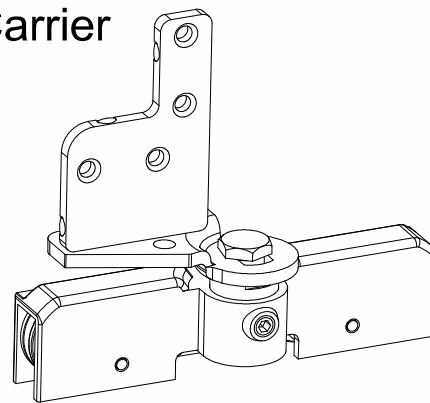
Upper Carrier



Cover Caps

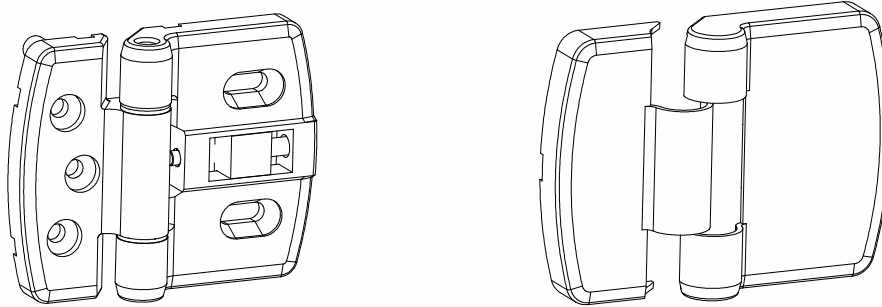



Bottom Carrier



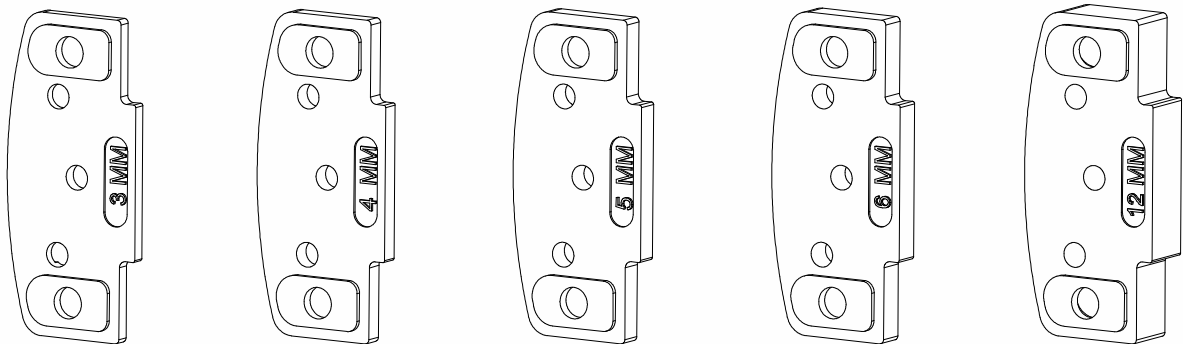
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P71013	Folding Door Carrier Set Ral 8019

Folding Door Middle Hinge Sets



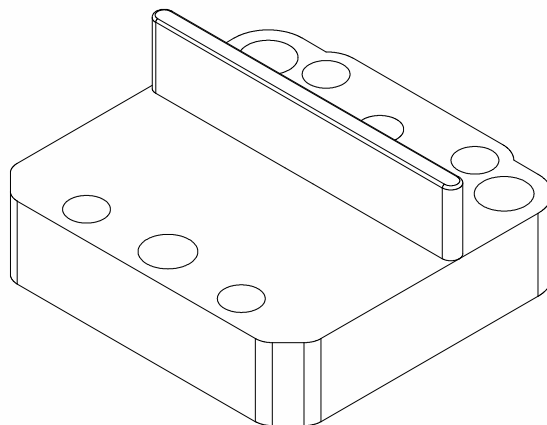
Product Code	Product Name	
P71004	Folding Door Middle Hinge Set Ral 9016	5
P71006	Folding Door Middle Hinge Set Ral 8019	5

Folding Door Middle Hinge Block Sets



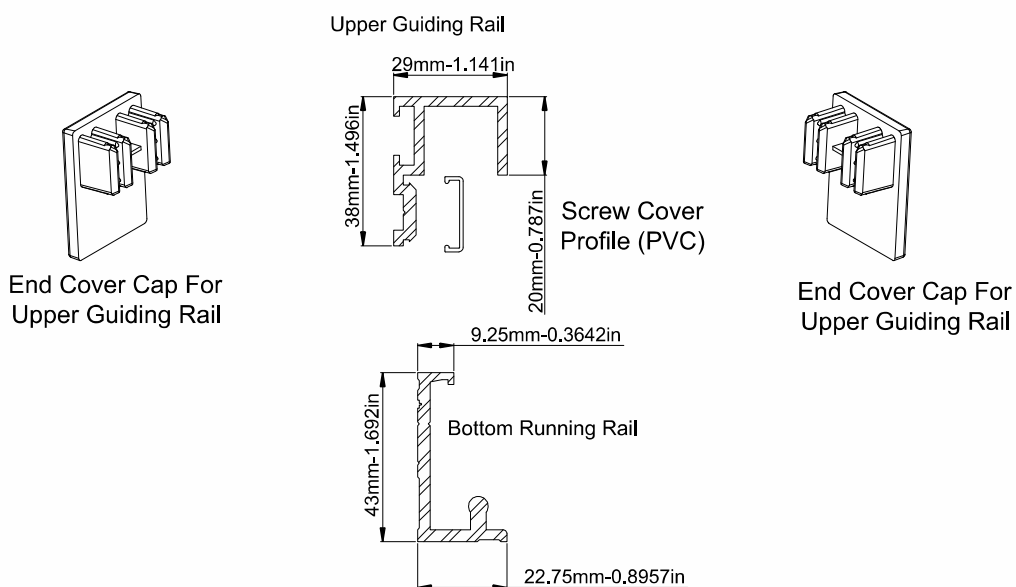
Product Code	Product Name
P71028	Folding Door Middle Hinge Block Set Ral 9016
P71029	Folding Door Middle Hinge Block Set Ral 8019

Folding Door Assmby Aparatus Of Middle Hinge



Product Code	Product Name
P71030	Folding Door Assmby Aparatus Of Middle Hinge

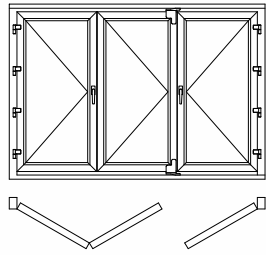
Folding Door Rail Sets



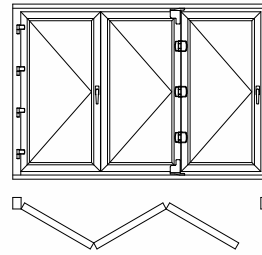
Product Code	Product Name
P71031	Folding Door Rail Set Ral 9016
P71032	Folding Door Rail Set Ral 8019

Sample Applications Of Folding Sliding Door Systems

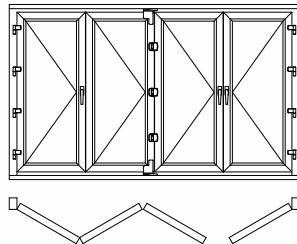
2 Left 1 Right Opening System



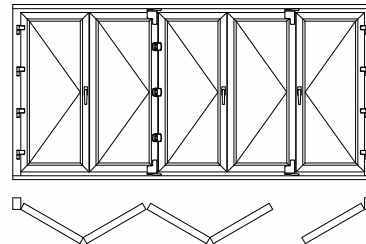
3 Left Opening System



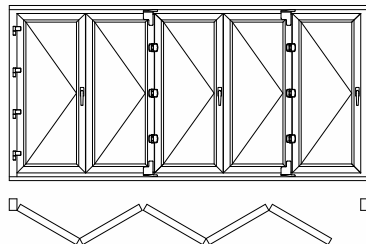
3 Left 1 Right Opening System



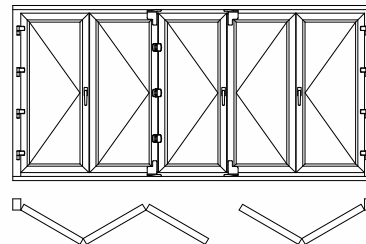
4 Left 1 Right Opening System



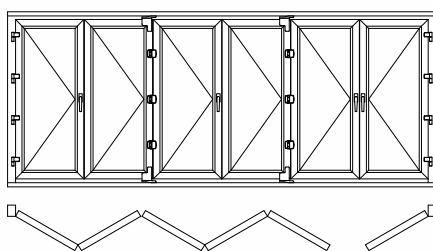
5 Left Opening System



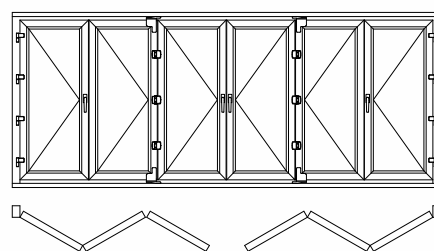
3 Left 2 Right Opening System



5 Left 1 Right Opening System



3 Left 3 Right Opening System

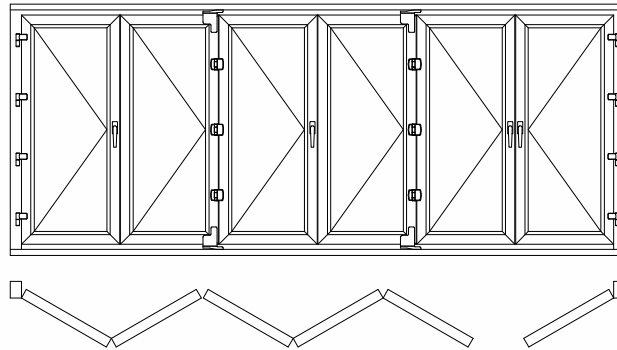


Notes:

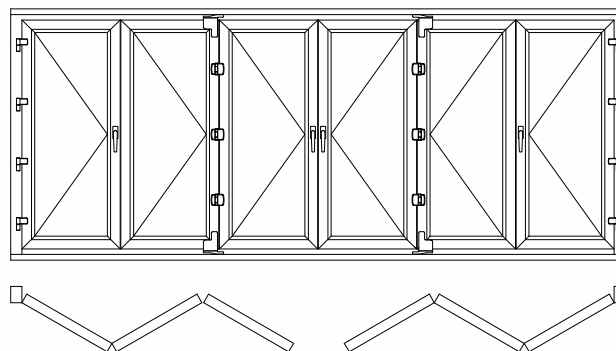
- Frames have been drawn as looking internally
- In the application drawings indicated in this catalogue, fix sashes have been thought to be turn opening. Tilt and turn systems may apply to fix sashes if so desired.

Sample Applications Of Folding Door Systems

5 Left 1 Right Opening System



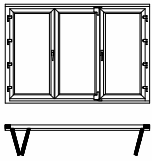
3 Left 3 Right Opening System



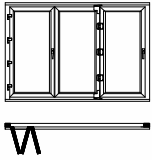
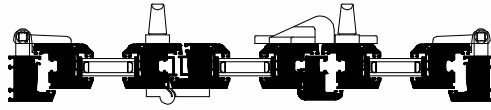
Notes:

- Frames have been drawn as looking internally.
- In the application drawing indicated in this catalogue, fix sashes have been thought to be turn opening. Tilt and turn systems may apply to fix sashes if so desired.
- For technical information of 2D adjustable hinge in the application drawing of catalogue, see accessories section of the catalogue.
- For technical information of tilt and turn corner and espagnolettes in the application drawing of catalogue, see tilt and turn systems sections of the catalogue.

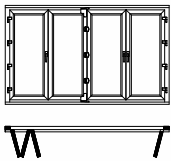
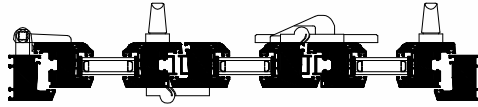
Profile Details



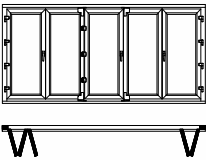
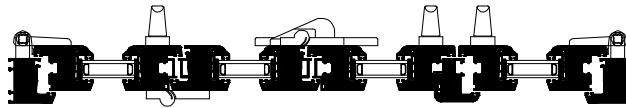
2 Left 1 Right Opening System



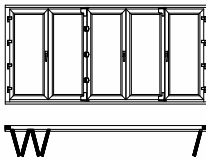
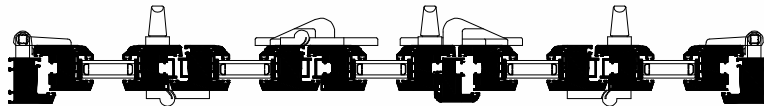
3 Left Opening System



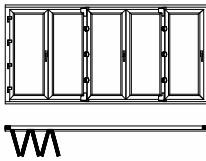
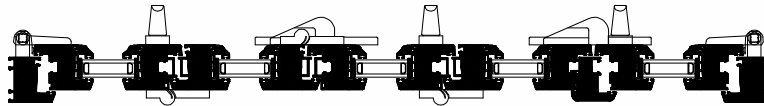
3 Left 1 Right Opening System



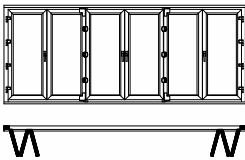
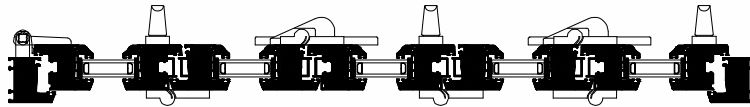
3 Left 2 Right Opening System



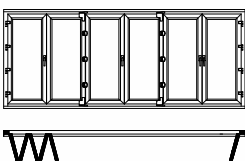
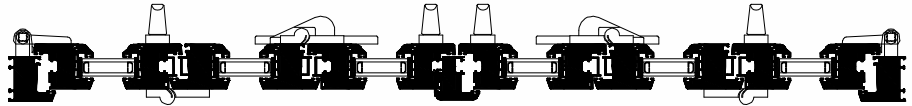
4 Left 1 Right Opening System



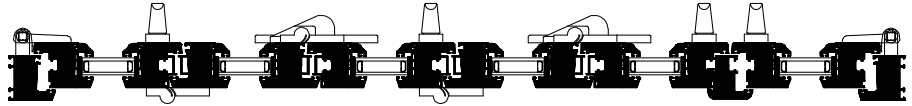
5 Left Opening System



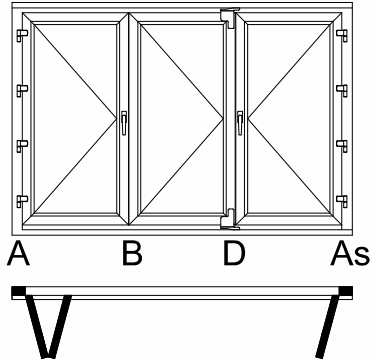
3 Left 3 Right Opening System



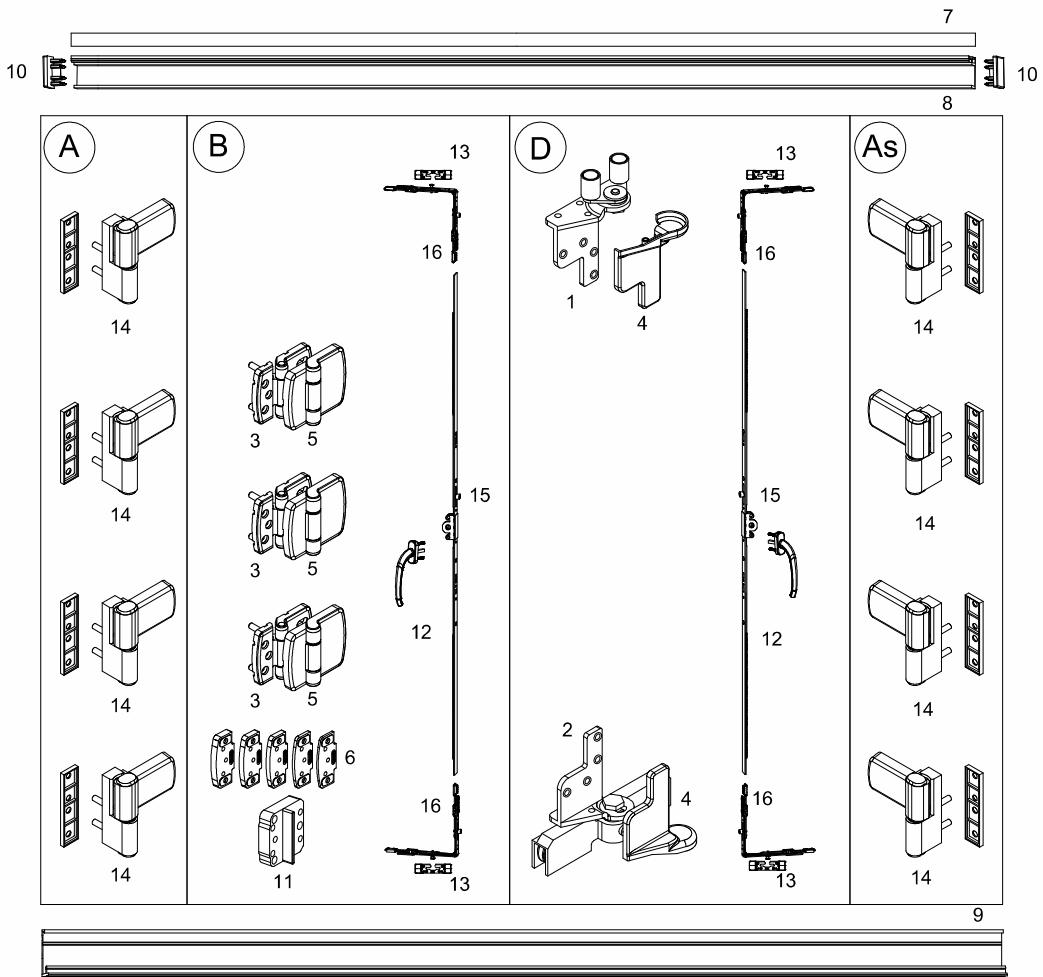
5 Left 1 Opening System



2 Left 1 Right Opening Systems

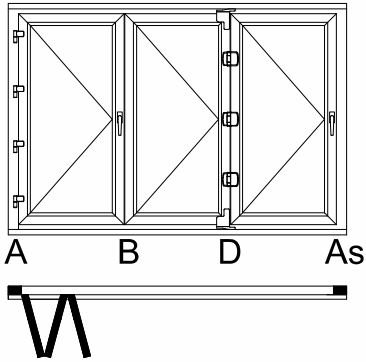


Note:
 -Letter "s" defines symmetry.
 For instance, As defines symmetry of A.

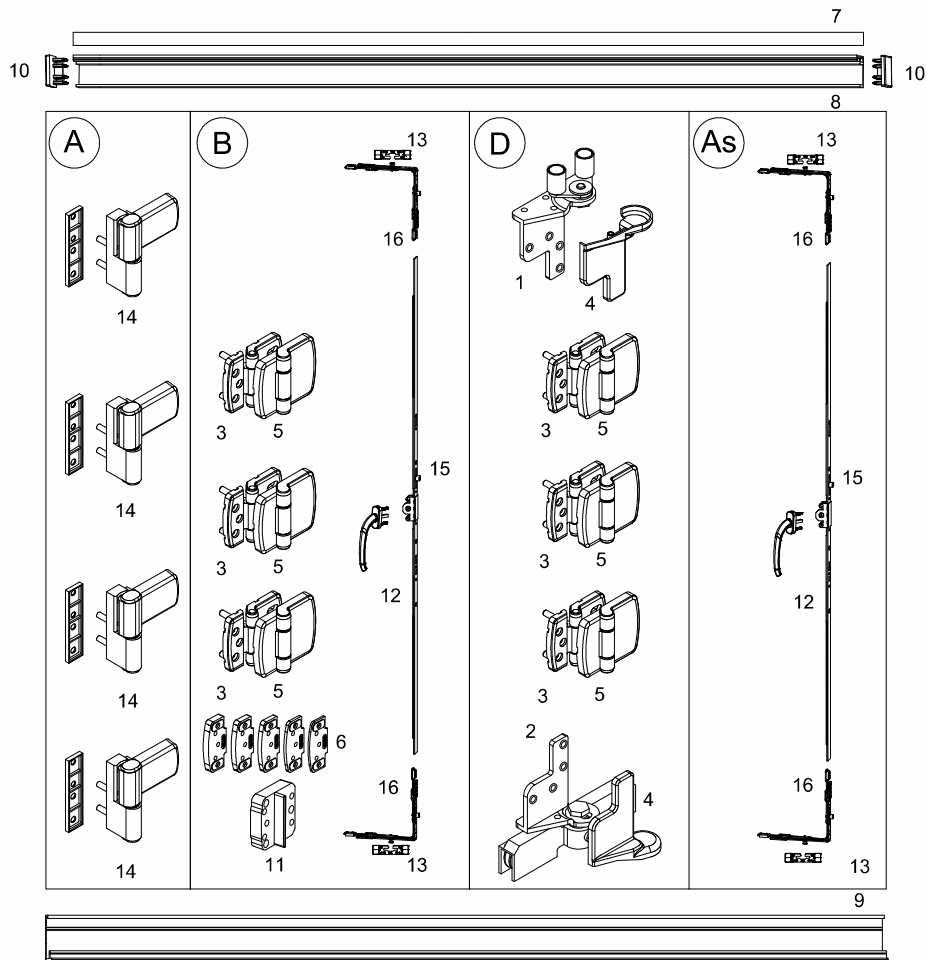


2 Left 1 Right Opening System					
1	Folding Door Upper Carrier	1 Pieces	9	Folding Door Bottom Running Rail	Width Of Frame (m)
2	Folding Door Bottom Carrier	1 Pieces	10	Folding Door End Cover Cap For Upper Guiding Rail	2 Pieces
3	Folding Door Middle Hinge	3 Pieces	11	Folding Door Assembly Apparatus Of Middle Hinge	1 Pieces
4	Folding Door Carrier Cover Caps	1 Set	12	Window Handle	2 Pieces
5	Folding Door Middle Hinge Cover Caps	3 Set	13	Tilt And Security Bottom Striker	4 Pieces
6	Folding Door Middle Hinge Block Set	3 Set	14	2D Adjustable Hinge	8 Pieces
7	Folding Door Screw Cover Profile (PVC)	Width Of Frame (m)	15	Tilt And Turn 15 Axis Espagnolette	2 Pieces
8	Folding Door Upper Guiding Rail	Width Of Frame (m)	16	Tilt And Turn Corner	4 Pieces

3 Left Opening System

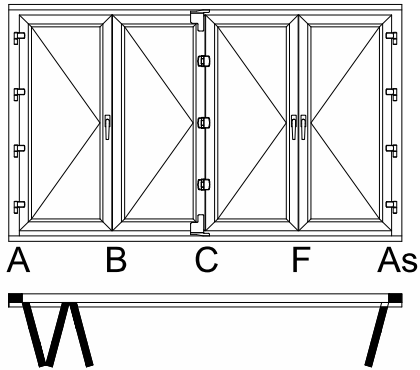


Note:
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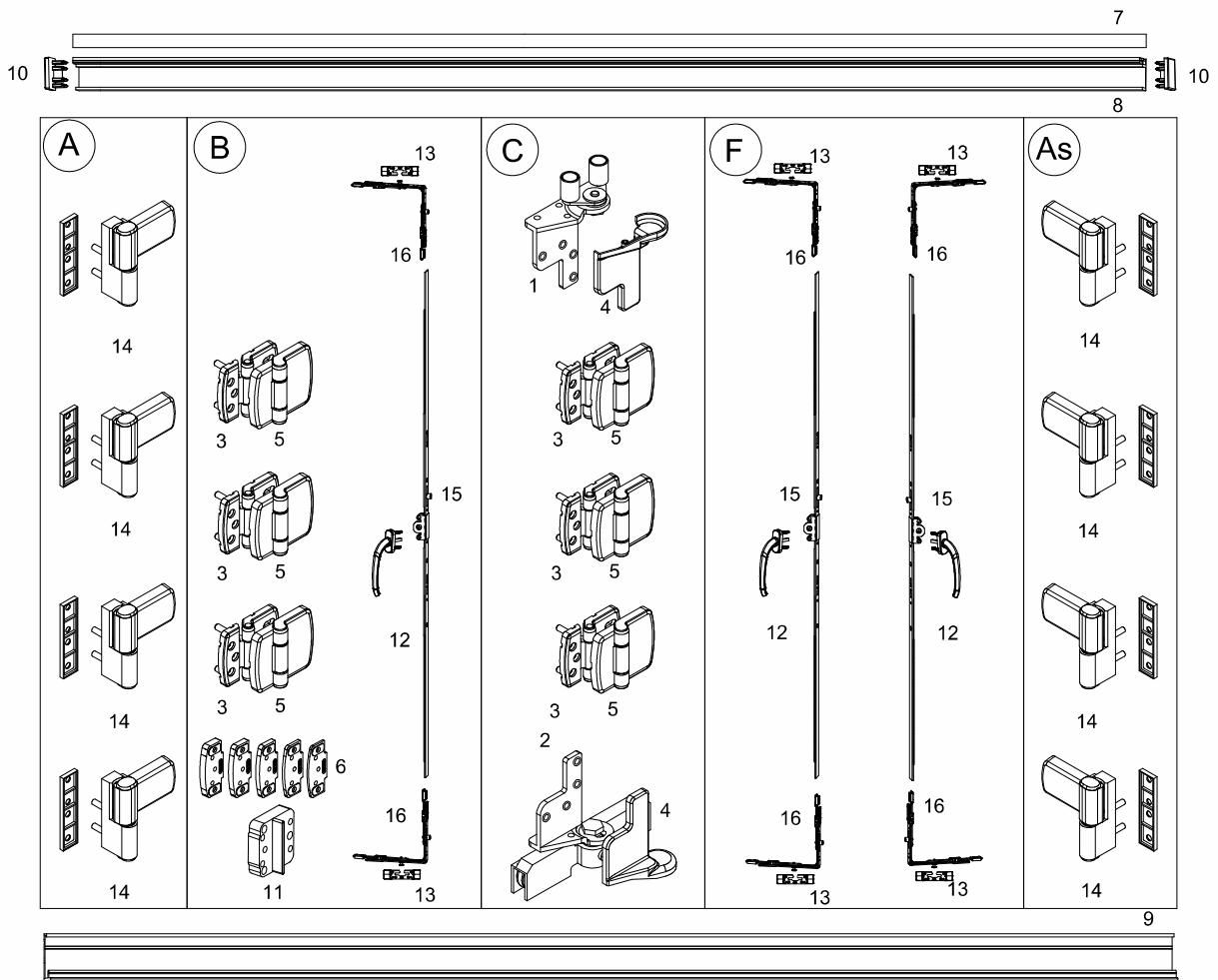
3 Left Opening System					
1	Folding Door Upper Carrier	1 Pieces	9	Folding Door Bottom Running Rail	Width Of Frame (m)
2	Folding Door Bottom Carrier	1 Pieces	10	Folding Door End Cover Cap For Upper Guiding Rail	2 Pieces
3	Folding Door Middle Hinge	6 Pieces	11	Folding Door Assembly Aparatus Of Middle Hinge	1 Pieces
4	Folding Door Carrier Cover Caps	1 Set	12	Window Handle	2 Pieces
5	Folding Door Middle Hinge Cover Caps	6 Set	13	Tilt And Turn 15 Axis Espagnolette	4 Pieces
6	Folding Door Middle Hinge Block Set	6 Set	14	2D Adjustable Hinge	4 Pieces
7	Folding Door Screw Cover Profile(PVC)	Width Of Frame (m)	15	Tilt And turn 15 Axis Espagnolette	2 Pieces
8	Folding Door Upper Guiding Rail	Width Of Frame (m)	16	Tilt And TUrN Corner	4 Pieces

3 Left 1 Right Opening System



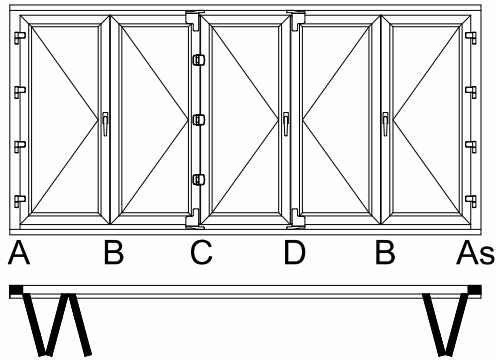
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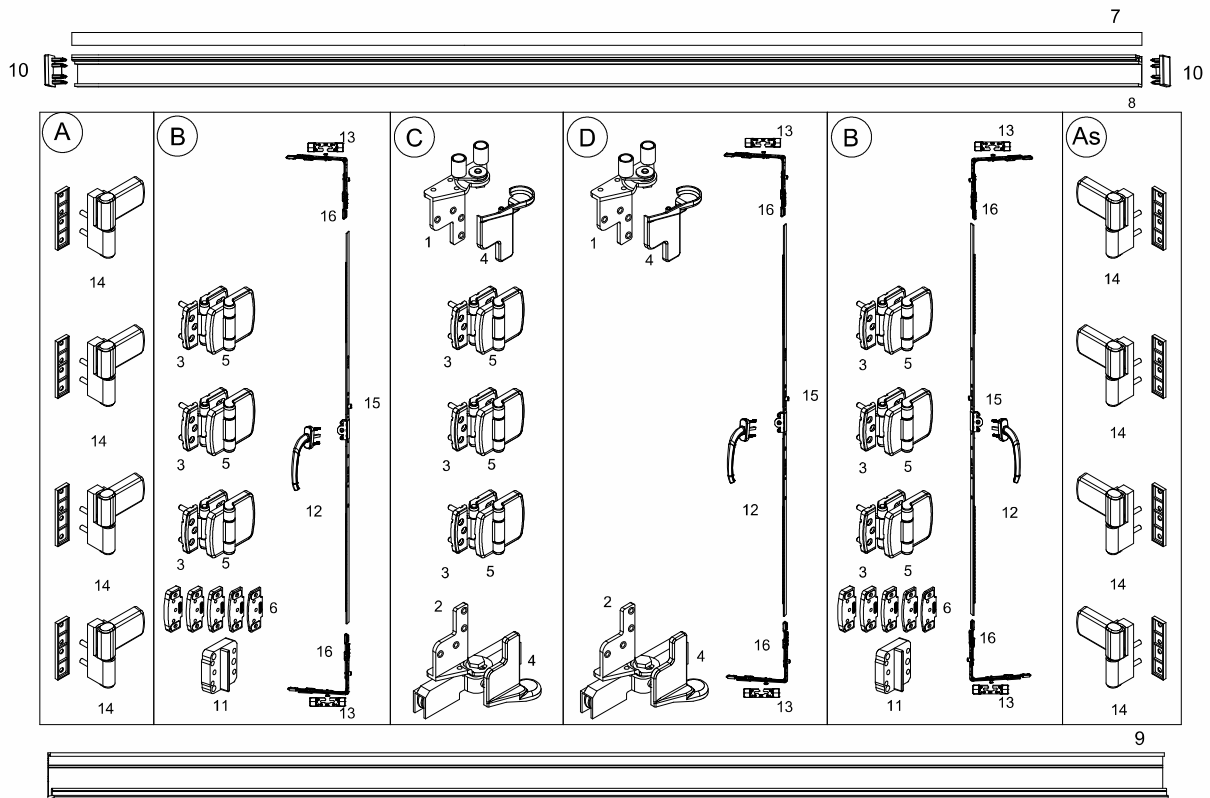
3 Left 1 Right Opening System					
1	Folding Door Upper Carrier	1 Pieces	9	Folding Door Bottom Running Rail	Width Of Frame (m)
2	Folding Door Bottom Carrier	1 Pieces	10	Folding Door End Cover Cap For Upper Guiding Rail	2 Pieces
3	Folding Door Middle Hinge	6 Pieces	11	Folding Door Assembly Aparatus Of Middle Hinge	1 Pieces
4	Folding Door Carrier Cover Caps	1 Set	12	Window Handle	3 Pieces
5	Folding Door Middle Hinge Cover Caps	6 Set	13	Tilt And Turn 15 Axis Espagnolette	6 Pieces
6	Folding Door Middle Hinge Block Set	6 Set	14	2D Adjustable Hinge	8 Pieces
7	Folding Door Screw Cover Profile(PVC)	Width Of Frame (m)	15	Tilt And turn 15 Axis Espagnolette	3 Pieces
8	Folding Door Upper Guiding Rail	Width Of Frame (m)	16	Tilt And Turn Corner	6 Pieces

3 Left 2 Right Opening System



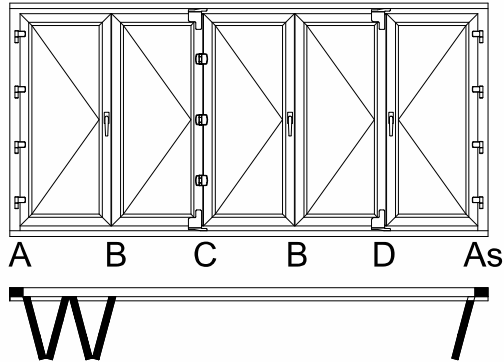
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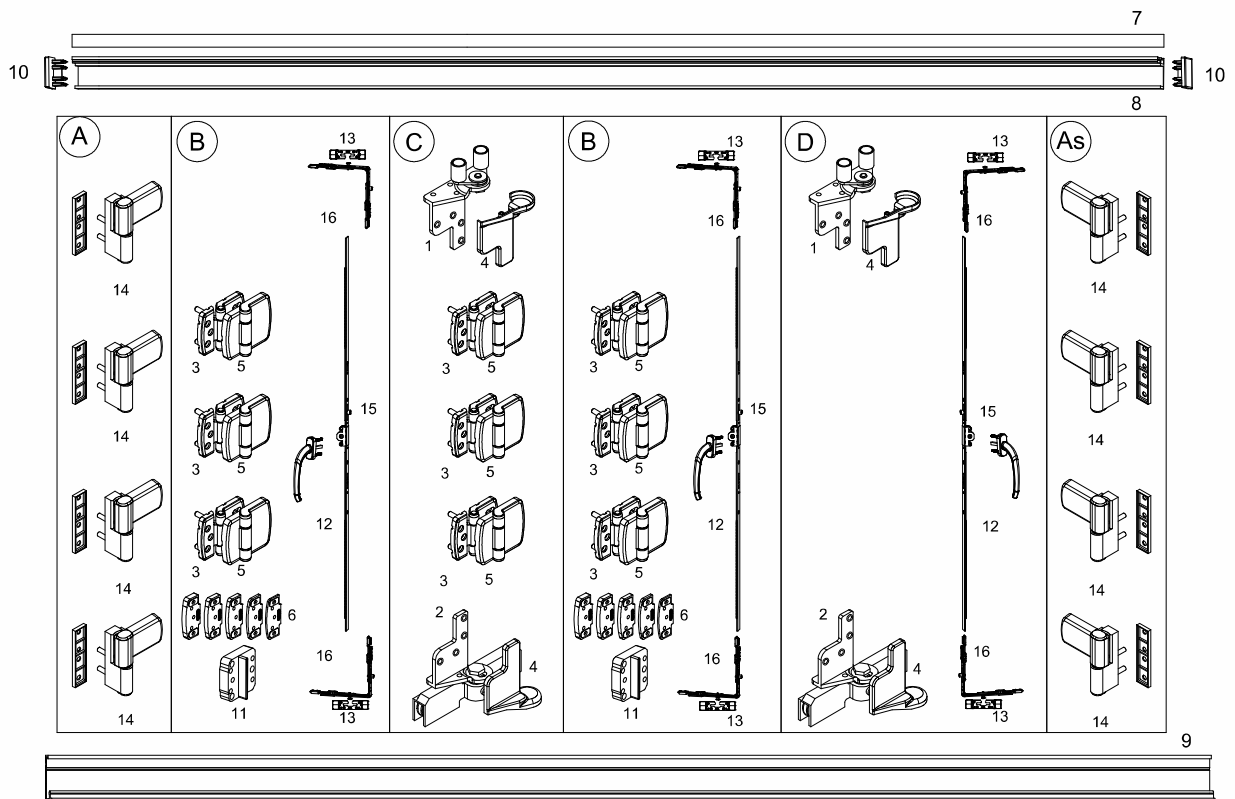
3 Left 2 Right Opening System					
1	Folding Door Upper Carrier	2 Pieces	9	Folding Door Bottom Running Rail	Width Of Frame (m)
2	Folding Door Bottom Carrier	2 Pieces	10	Folding Door End Cover Cap For Upper Guiding Rail	2 Pieces
3	Folding Door Middle Hinge	9 Pieces	11	Folding Door Assembly Aparatus Of Middle Hinge	1 Pieces
4	Folding Door Carrier Cover Caps	2 Set	12	Window Handle	3 Pieces
5	Folding Door Middle Hinge Cover Caps	9 Set	13	Tilt And Turn 15 Axis Espagnolette	6 Pieces
6	Folding Door Middle Hinge Block Set	9 Set	14	2D Adjustable Hinge	8 Pieces
7	Folding Door Screw Cover Profile(PVC)	Width Of Frame (m)	15	Tilt And turn 15 Axis Espagnolette	3 Pieces
8	Folding Door Upper Guiding Rail	Width Of Frame (m)	16	Tilt And Turn Corner	6 Pieces

4 Left 1 Right Opening System



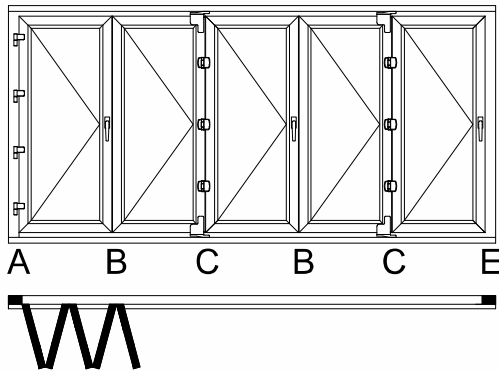
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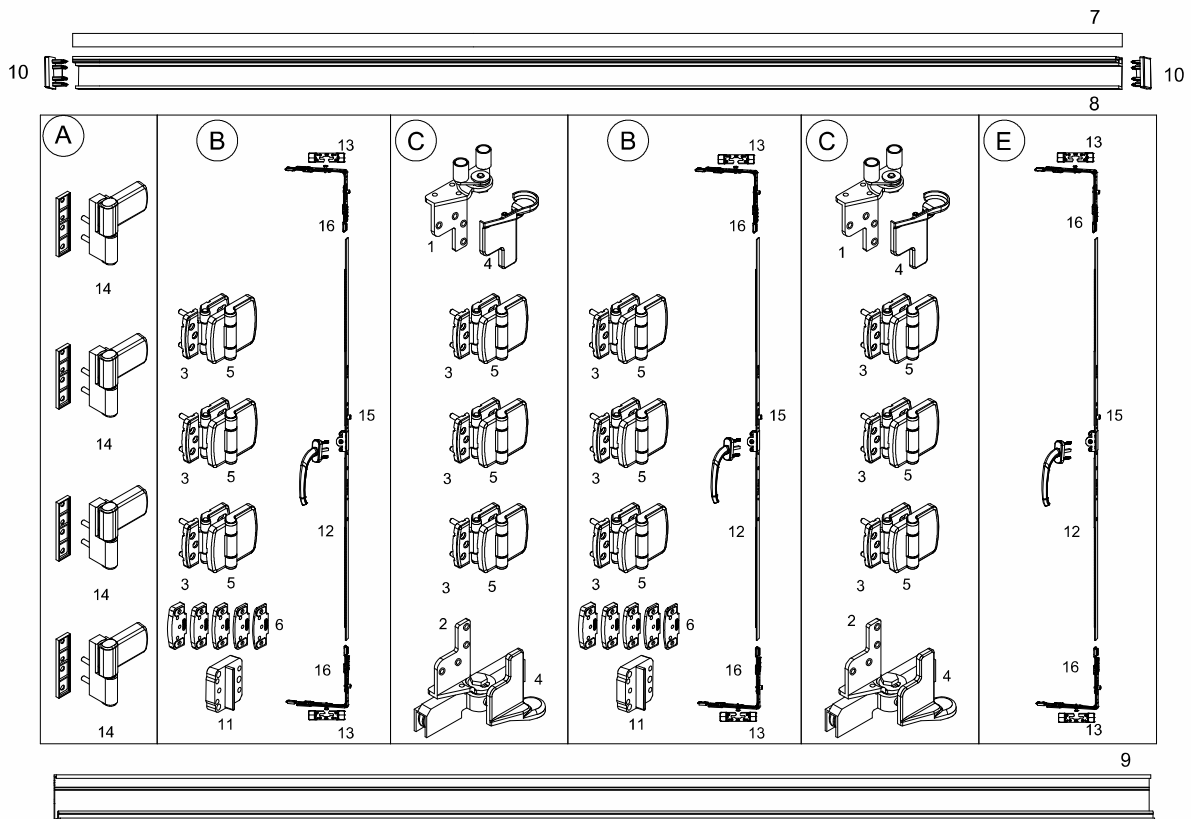
4 Left 1 Right Opening System					
1	Folding Door Upper Carrier	2 Pieces	9	Folding Door Bottom Running Rail	Width Of Frame (m)
2	Folding Door Bottom Carrier	2 Pieces	10	Folding Door End Cover Cap For Upper Guiding Rail	2 Pieces
3	Folding Door Middle Hinge	9 Pieces	11	Folding Door Assembly Aparatus Of Middle Hinge	1 Pieces
4	Folding Door Carrier Cover Caps	2 Set	12	Window Handle	3 Pieces
5	Folding Door Middle Hinge Cover Caps	9 Set	13	Tilt And Turn 15 Axis Espagnolette	6 Pieces
6	Folding Door Middle Hinge Block Set	9 Set	14	2D Adjustable Hinge	8 Pieces
7	Folding Door Screw Cover Profile(PVC)	Width Of Frame (m)	15	Tilt And turn 15 Axis Espagnolette	3 Pieces
8	Folding Door Upper Guiding Rail	Width Of Frame (m)	16	Tilt And Turn Corner	6 Pieces

5 Left Opening System



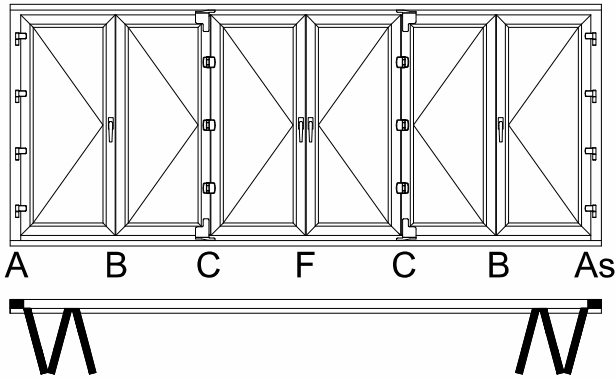
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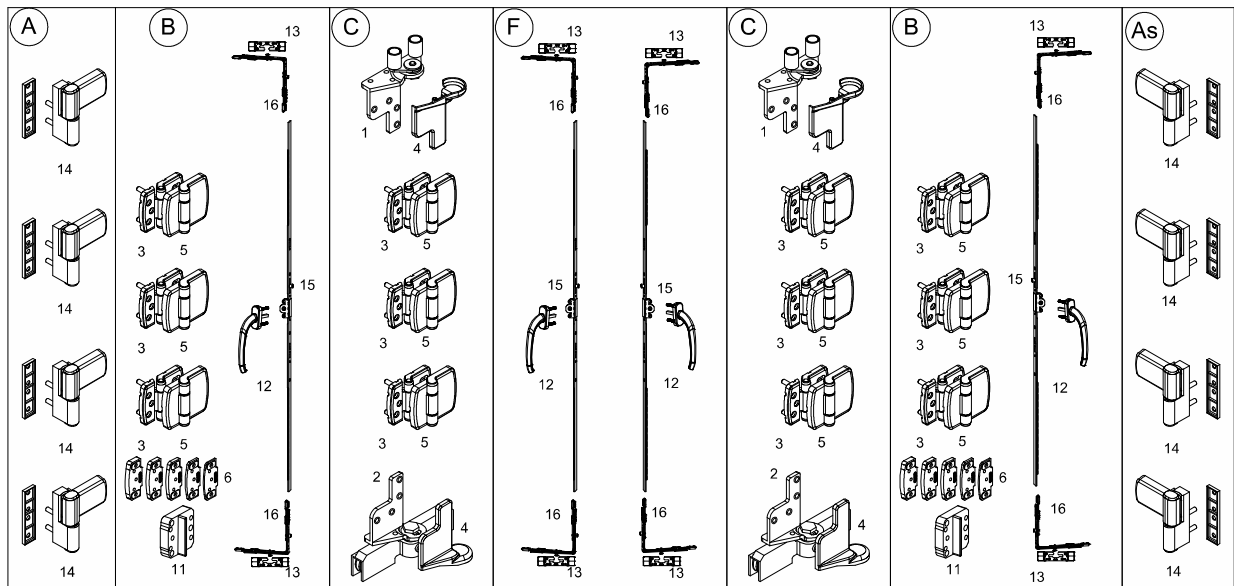


5 Left Opening System					
1	Folding Door Upper Carrier	2 Pieces	9	Folding Door Bottom Running Rail	Width Of Frame (m)
2	Folding Door Bottom Carrier	2 Pieces	10	Folding Door End Cover Cap For Upper Guiding Rail	2 Pieces
3	Folding Door Middle Hinge	12 Pieces	11	Folding Door Assembly Aparatus Of Middle Hinge	1 Pieces
4	Folding Door Carrier Cover Caps	2 Set	12	Window Handle	3 Pieces
5	Folding Door Middle Hinge Cover Caps	12 Set	13	Tilt And Turn 15 Axis Espagnolette	6 Pieces
6	Folding Door Middle Hinge Block Set	12 Set	14	2D Adjustable Hinge	4 Pieces
7	Folding Door Screw Cover Profile(PVC)	Width Of Frame (m)	15	Tilt And turn 15 Axis Espagnolette	3 Pieces
8	Folding Door Upper Guiding Rail	Width Of Frame (m)	16	Tilt And Turn Corner	6 Pieces

3 Left 3 Right Opening System

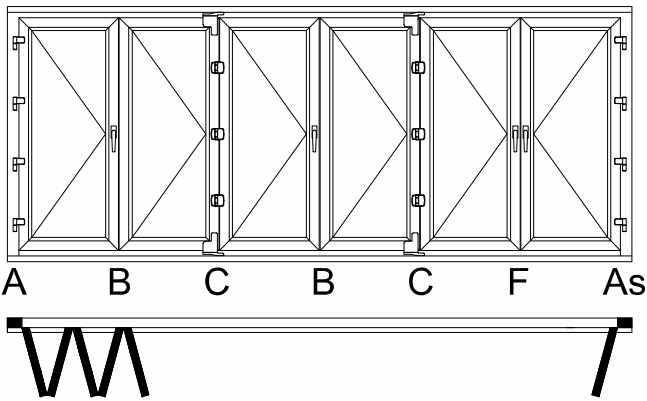


Note:
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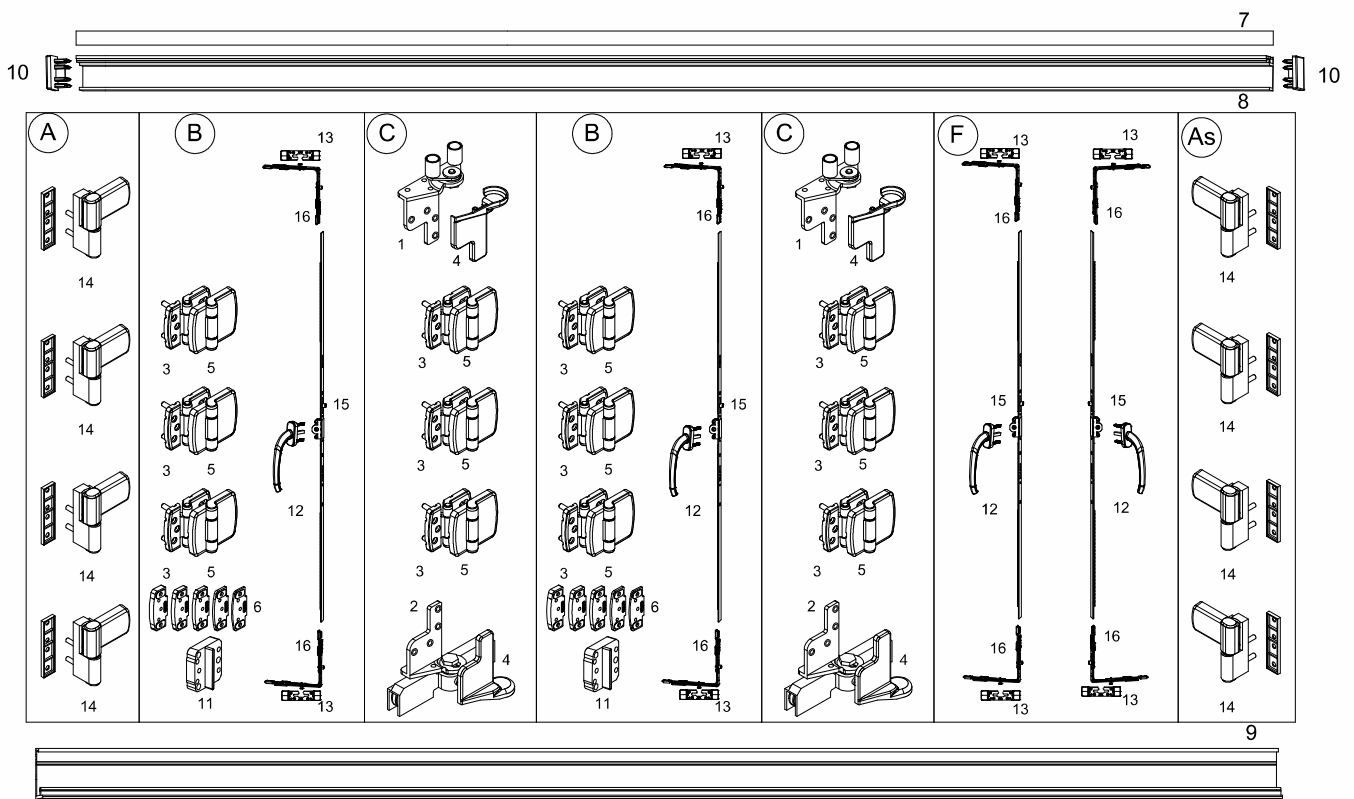
3 Left 3 Right Opening System					
1	Folding Door Upper Carrier	2 Pieces	9	Folding Door Bottom Running Rail	Width Of Frame (m)
2	Folding Door Bottom Carrier	2 Pieces	10	Folding Door End Cover Cap For Upper Guiding Rail	2 Pieces
3	Folding Door Middle Hinge	12 Pieces	11	Folding Door Assembly Aparatus Of Middle Hinge	1 Pieces
4	Folding Door Carrier Cover Caps	2 Set	12	Window Handle	4 Pieces
5	Folding Door Middle Hinge Cover Caps	12 Set	13	Tilt And Turn 15 Axis Espagnolette	8 Pieces
6	Folding Door Middle Hinge Block Set	12 Set	14	2D Adjustable Hinge	8 Pieces
7	Folding Door Screw Cover Profile(PVC)	Width Of Frame (m)	15	Tilt And turn 15 Axis Espagnolette	4 Pieces
8	Folding Door Upper Guiding Rail	Width Of Frame (m)	16	Tilt And TUrn Corner	8 Pieces

5 Left 1 Right Opening System



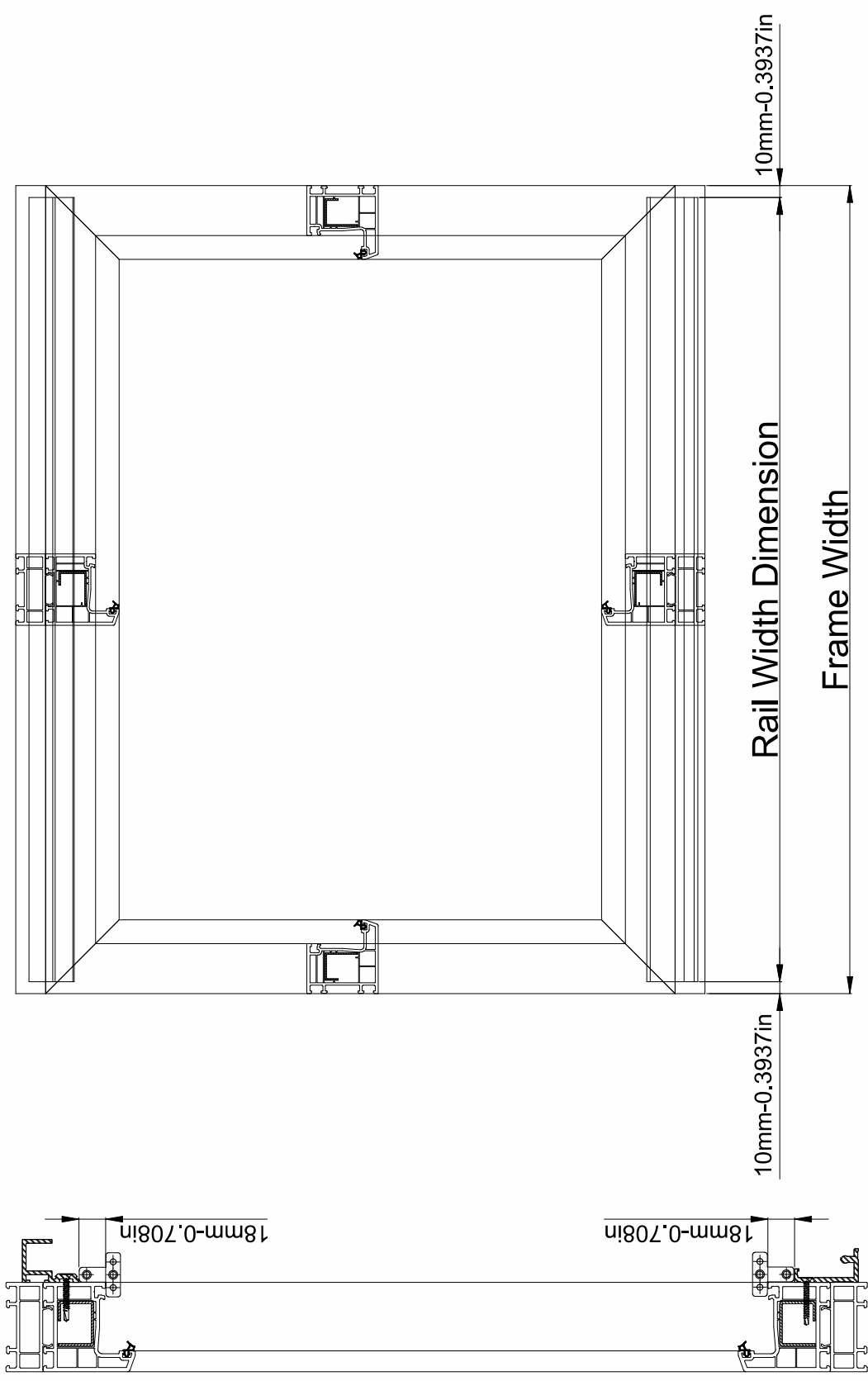
Note:

-Left "s" defines symmetry.
For instance, As defines symmetry of A.



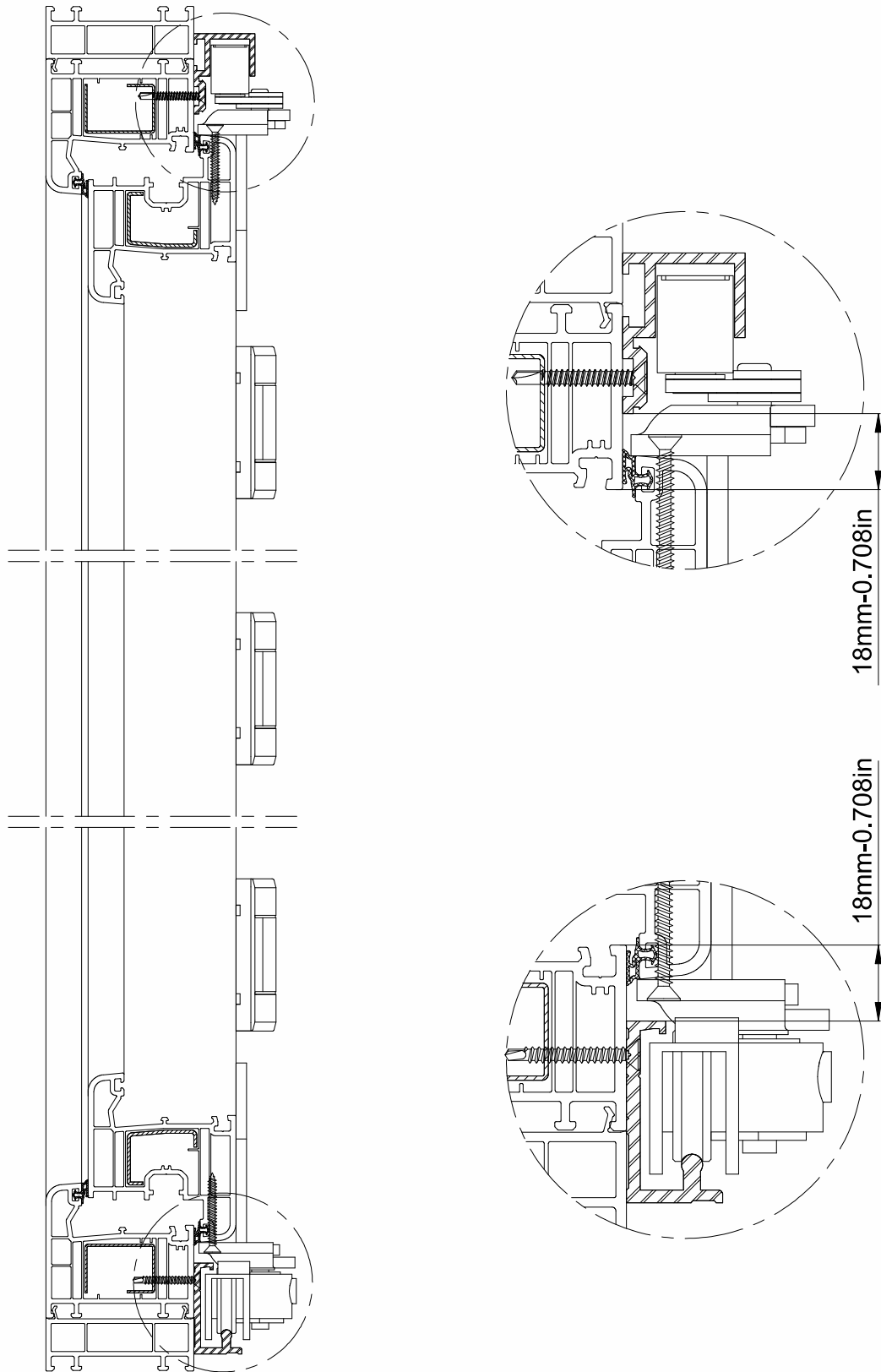
5 Left 1 Right Opening System					
1	Folding Door Upper Carrier	2 Pieces	9	Folding Door Bottom Running Rail	Width Of Frame (m)
2	Folding Door Bottom Carrier	2 Pieces	10	Folding Door End Cover Cap For Upper Guiding Rail	2 Pieces
3	Folding Door Middle Hinge	12 Pieces	11	Folding Door Assembly Aparatus Of Middle Hinge	1 Pieces
4	Folding Door Carrier Cover Caps	2 Set	12	Window Handle	4 Pieces
5	Folding Door Middle Hinge Cover Caps	12 Set	13	Tilt And Turn 15 Axis Espagnolette	8 Pieces
6	Folding Door Middle Hinge Block Set	12 Set	14	2D Adjustable Hinge	8 Pieces
7	Folding Door Screw Cover Profile(PVC)	Width Of Frame (m)	15	Tilt And turn 15 Axis Espagnolette	4 Pieces
8	Folding Door Upper Guiding Rail	Width Of Frame (m)	16	Tilt And Turn Corner	8 Pieces

Assembly Details Of Folding Door Rail

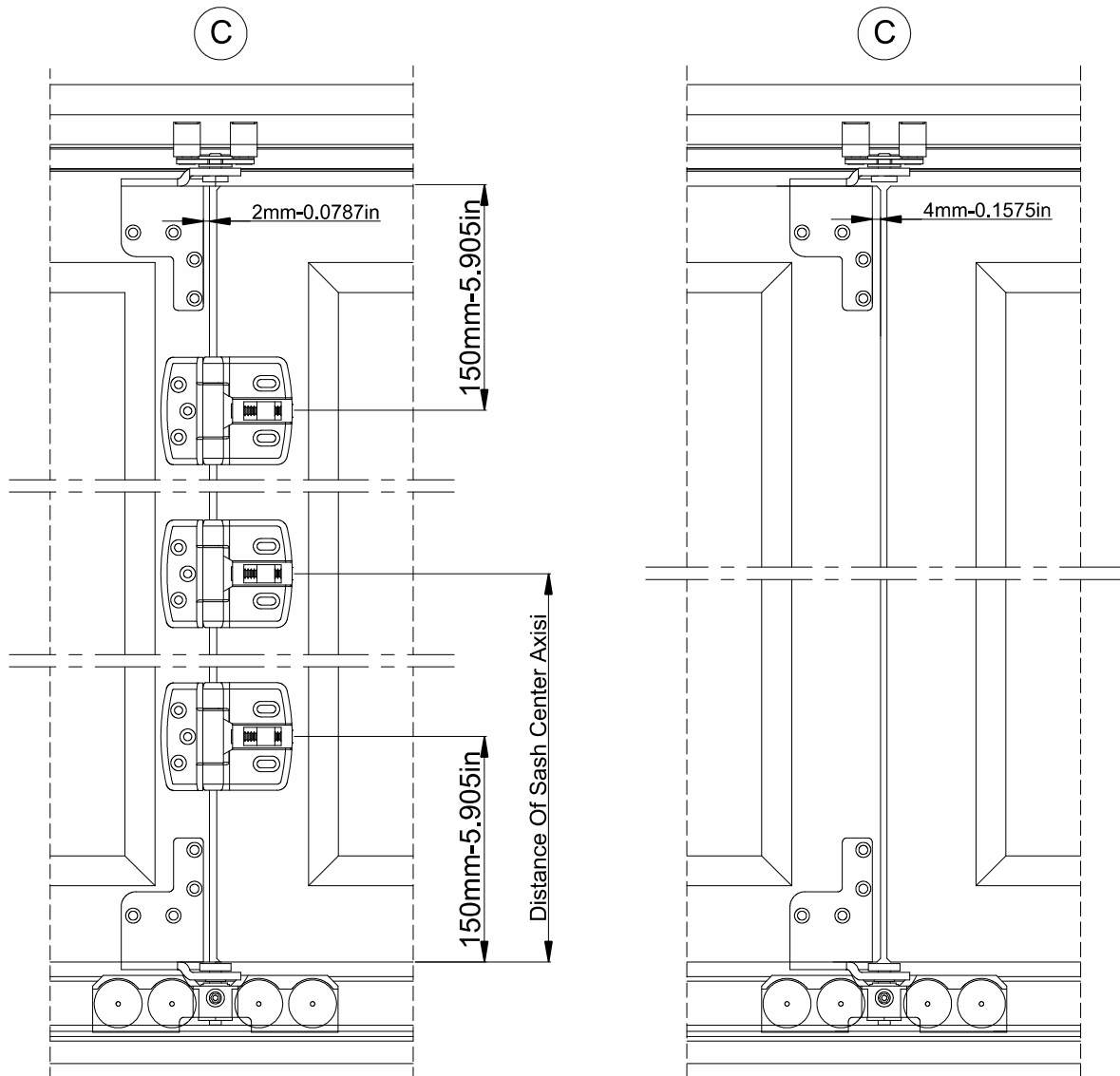


- During assembling bottom and top rails, it is suggested to use assembling t-jig that is shown in general table as 3e.
- After assembling bottom rail of folding door, it is suggested to fill the distance to ground with an appropriate material.

Assembly Details Of Folding Door Rail





Assembly Application Of Folding Door Middle Hinge and Bottom - Upper Carrier

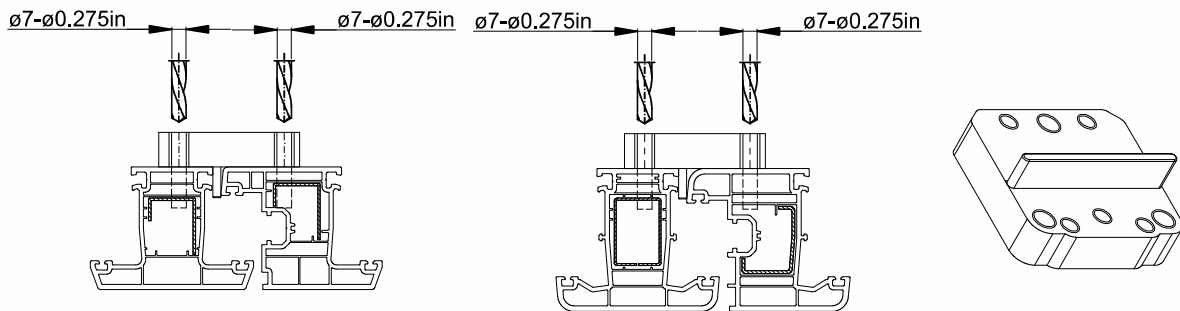


Note:

- After completion of assembling equipment and accessories, folding door hinge cover caps, upper and bottom carrier cover caps, screw cover profiles and end cover caps of upper rail are mounted.
- Connecting handle axis remains at the middle point of sash.

Quantity Of Folding Door Middle Hinges	
Sash Height < 1100	
1101 < Sash Height < 2200	

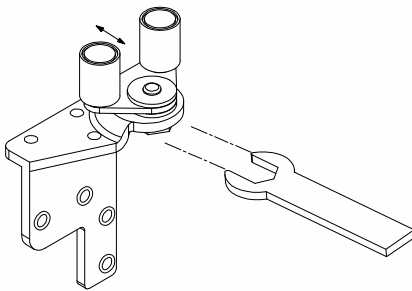
Assembly Application Of Aparatus For Folding Door Middle Hinge



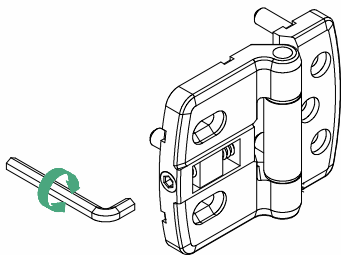
Note:

In application of folding door hinge assembly apparatus:
7mm-0.2756in drill bit is used for big pins.

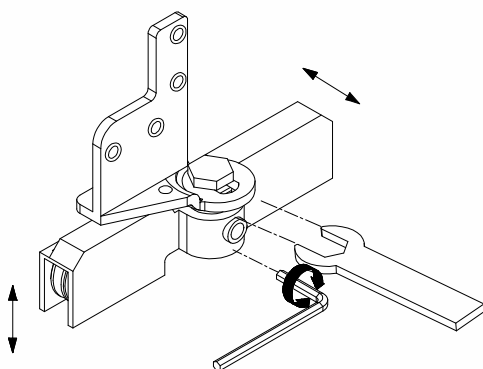
Pressure Adjustment



- Use 17mm-0.6693in half-wrench to adjust gap between frame and sash.



- Use 4mm-0.1575in allen wrench to adjust gap between sashes.



- Use 17mm-0.6693in half wrench to adjust gap between frame and sash.

- After 17mm-0.6693in half wrench to adjust sash height by using 4mm-0.1575in allen wrench.