item

Sliding Door 8 40

Notes on Use and Installation

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Safety instructions

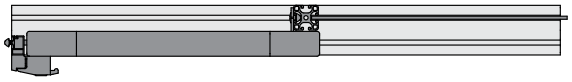
Sharp edges may be present – wear safety gloves during assembly and installation work.

The details and information in this guide are provided for the purposes of describing the product and its assembly only. This information does not discharge users from the obligation to conduct their own assessments and checks.

It is also important to bear in mind that components exposed to mechanical loads are subject to a natural process of wear and ageing. Check all components for obvious defects prior to assembly/installation.

Sliding-door variants

"Variant – sliding door with sliding-door lock and fixed panel" on page 4



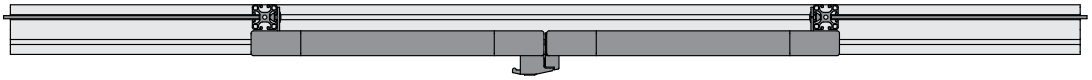
I

"Variant – three sliding doors with two sliding-door locks" on page 17



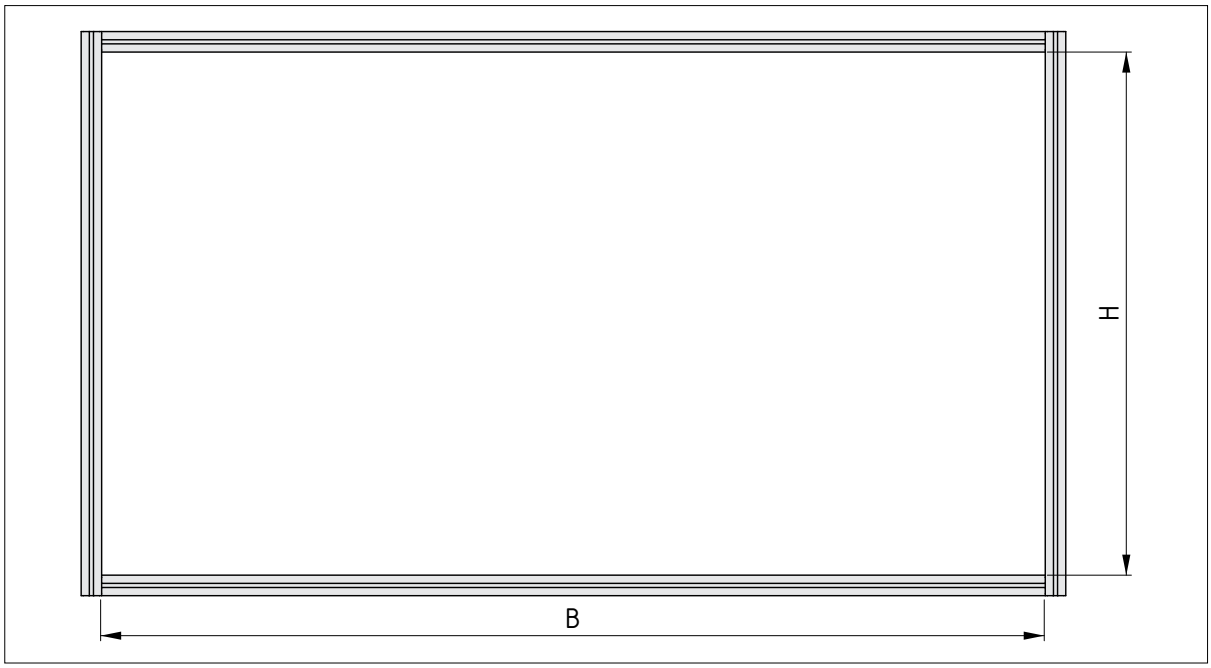
II

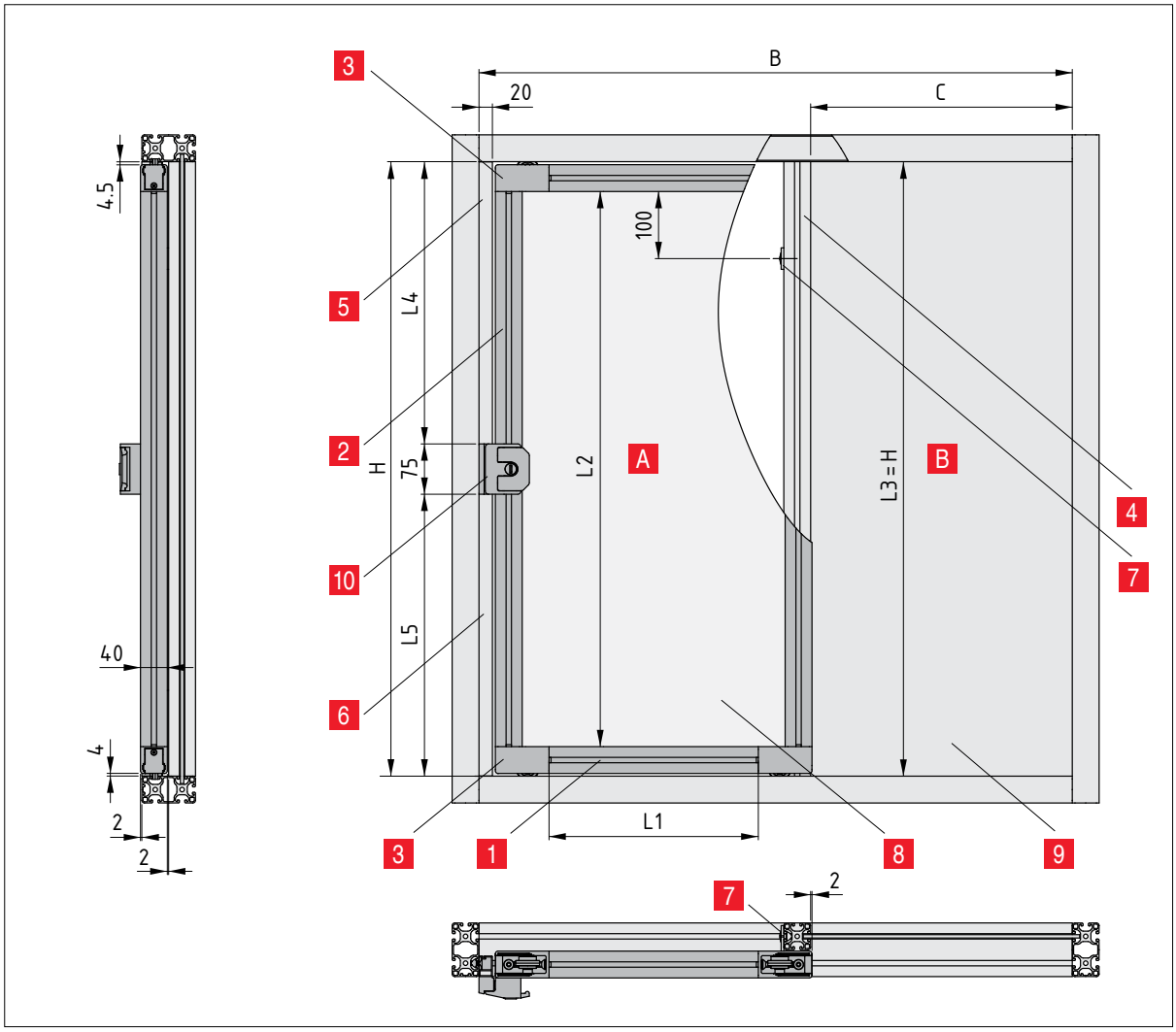
"Variant – two sliding doors located centrally with sliding-door lock" on page 32

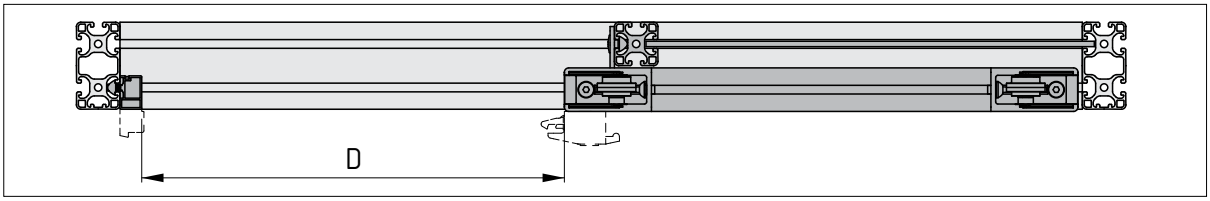


III

Variant I – sliding door with sliding-door lock and fixed panel







The width (D) of the sliding door opening is determined by the articles used.

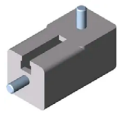
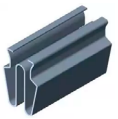
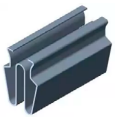
On a sliding door that uses a Sliding-Door Catch, Sliding-Door Lock 8 40x40 and Frame Profile 8 31x20, the dimension of the opening is:

D = B - L1 - 184 Please note that parts of the door lock project into the opening

D = B - L1 - 164 When using a Sliding Door Magnetic Catch 8 (0.0.718.40) instead of Sliding-Door Lock 8 40x40

Parameters	
Variable	Description
B	Clear width
C	Clear width of the fixed panel frame
D	Width of the sliding door opening
H	Clear height
A	Sliding door
B	Fixed panel
L1	Length of horizontal profile on sliding door
L2	Length of vertical profile on sliding door
L3	Clear height of the fixed outer frame, corresponds to H
L4	Length of upper Frame Profile 8 31x20, from top profile of outer frame to top edge of door lock
L5	Length of lower Frame Profile 8 31x20, from bottom profile of outer frame to bottom edge of door lock
L6	Length of horizontal Lip Seal on sliding door
L7	Length of vertical Lip Seal on sliding door

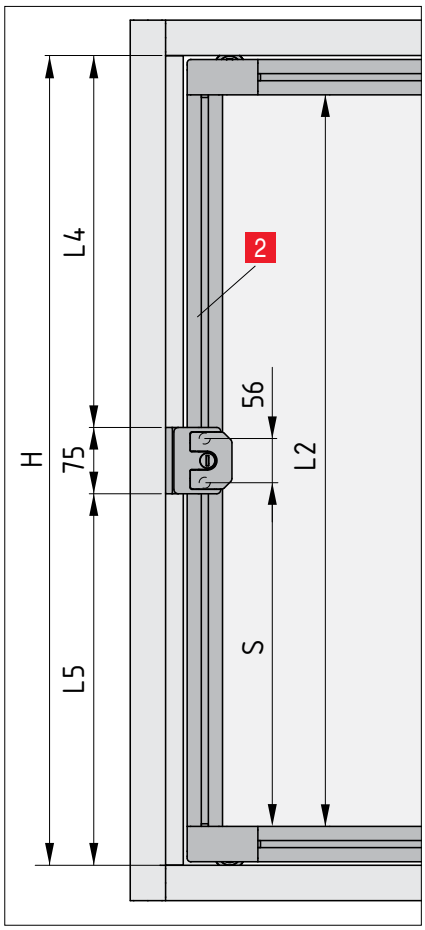
General basic structure of the sliding door and fixed panel						
No.	Quantity	Article	Designation	Length [mm]	Comments	Illustration
1	2	0.0.026.33	Profile 8 40x40 light, natural	L1* = ((B - 100.4) / 2) - 80		
2	2	0.0.026.33	Profile 8 40x40 light, natural	L2 = H - 88.5		

General basic structure of the sliding door and fixed panel						
No.	Quantity	Article	Designation	Length [mm]	Comments	Illustration
3	4	0.0.719.44	Corner-Fastener with Roller 8 40x40	-		
4	1	0.0.026.33	Profile 8 40x40 light, natural	L3 = H		
5	1	0.0.707.73	Frame Profile 8 31x20, natural	L4 = ((H - 75.5) / 2) + 0.25		
	Quantity = (L4 - 0) / 200	0.0.428.97	Clip 8 St, bright zinc-plated	-	Round up quantity and spread out evenly	
6	1	0.0.707.73	Frame Profile 8 31x20, natural	L5 = ((H - 75.5) / 2) - 0.25		
	Quantity = (L5 - 0) / 200	0.0.428.97	Clip 8 St, bright zinc-plated	-	Round up quantity and spread out evenly	
7	1	0.0.717.36	Sliding Door 8 40x40, Catch	-	*	
8	1	-	4 mm panel element for sliding door A	-		
9	1	-	4 mm panel element for fixed panel B	L3 = H		
10	1	0.0.723.87	Sliding-Door Lock 8 40x40, white aluminium	-	* Includes fastening elements	

General basic structure of the sliding door and fixed panel						
No.	Quantity	Article	Designation	Length [mm]	Comments	Illustration
11	2	0.0.489.92	Lip Seal 8 4-6 mm, grey similar to RAL 7040	L6 = (L1 + 80) x 1.05 (horizontal)	For the sliding door A	
12	2	0.0.489.92	Lip Seal 8 4-6 mm, grey similar to RAL 7040	L7 = L2 x 1.05 (vertical)		

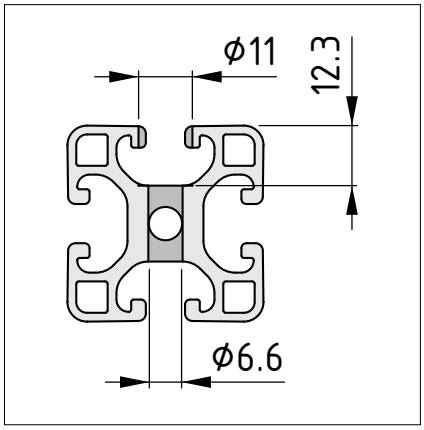
* If you do not use a Sliding Door 8 40x40, Catch 7, there will be no cushioning stop for the sliding door, which can then be slid right up to the outer frame. This changes the dimensions of the profiles, panels and opening.
* If you choose not to use Sliding-Door Lock 8 40x40 10, and instead use e.g. a Magnetic Catch and an additional handle, profile length L1 will be 20 mm longer because there will be no 20 mm gap.

Assembly preparations – preparing profiles

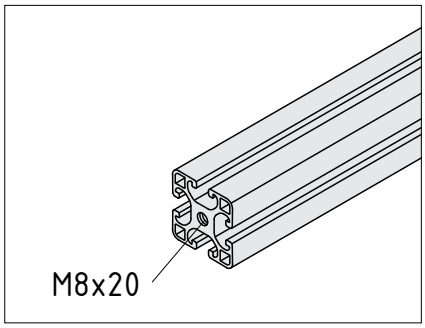


In principle, you can choose to position the door lock wherever you like vertically, but it is advisable for ergonomic reasons to fit it in the middle.

Dimension for first stepped bore:
S = (L2 / 2) - 28



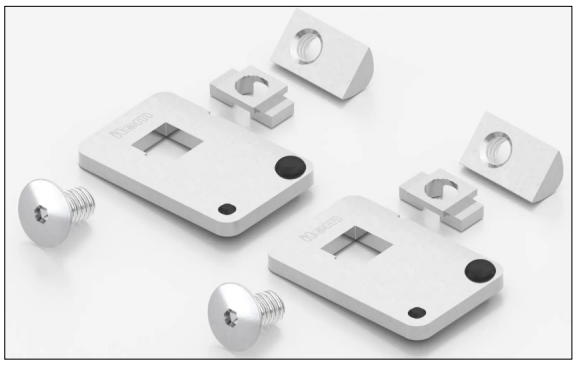
In order that Sliding-Door Lock 8 40x40 can be screwed into place, drill two stepped bores at a centre distance of 56 mm into the Profile 8 40x40 light 2 that will be a vertical profile in the sliding door.



Tap an M8x20 thread into the core bore at both ends of all the Profiles 8 40x40 light that you are using.

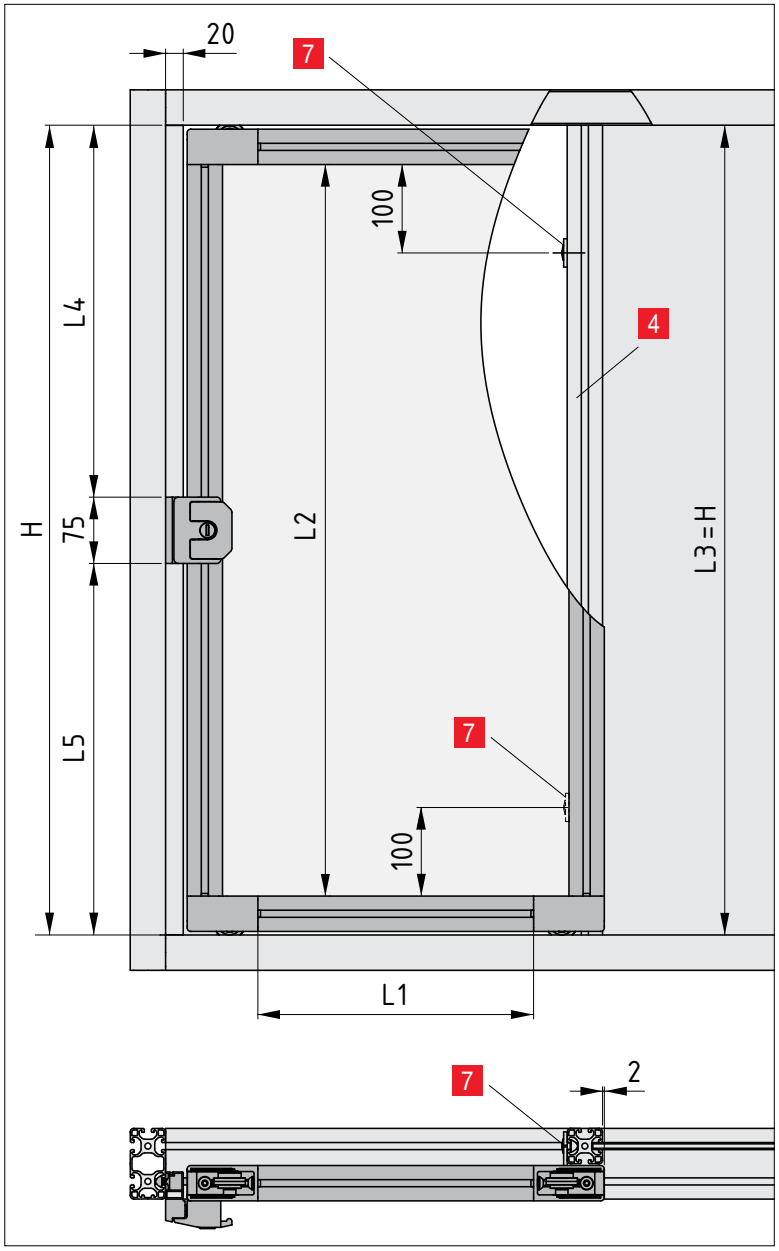
Fitting the catches

Position the catches on the left-hand profile of the fixed panel before installing the door, otherwise it will be very difficult to gain access from the outside.



Sliding Door 8 40x40, Catch has two functions – it can catch another sliding door and move it in tandem and it can act as a cushioning mechanical stop for a sliding door. Position the anti-torsion features in the cut-out on the plates so that they project into the groove on Profile 8 40x40 light.

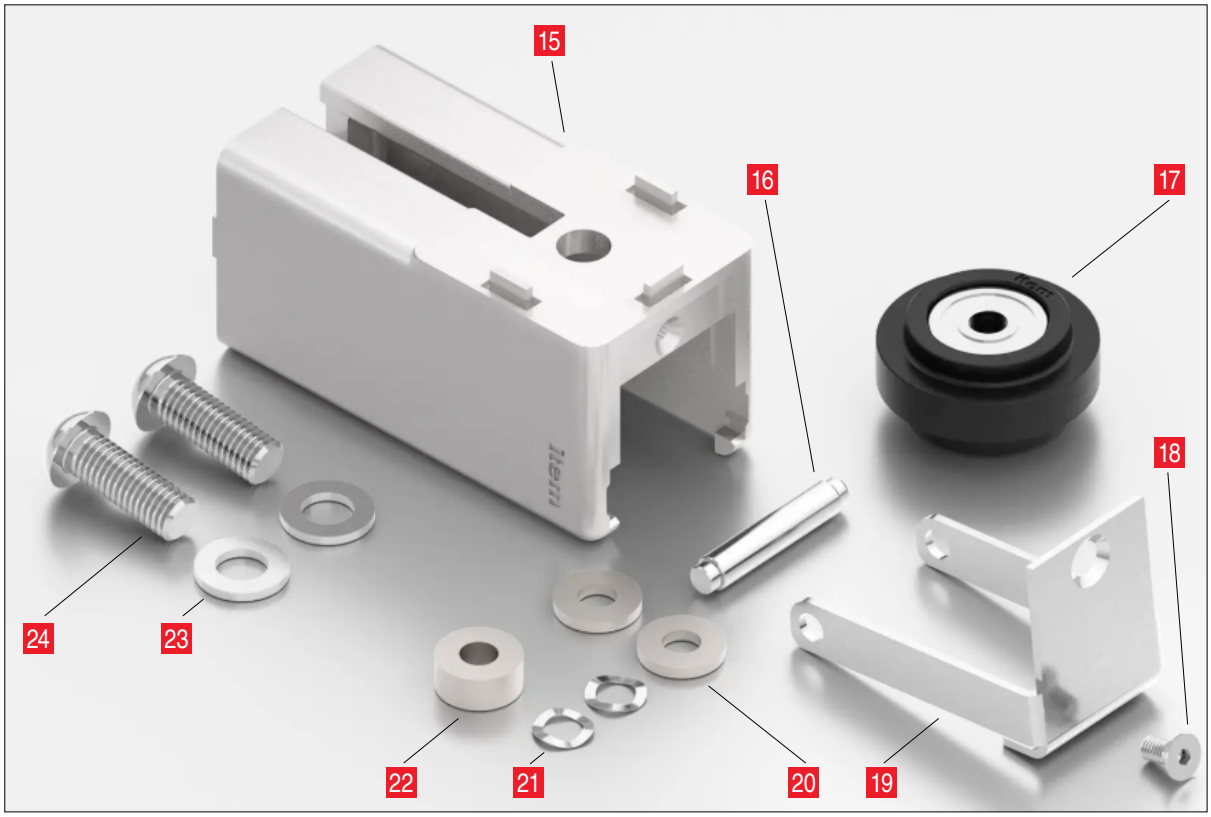
M_T = 8 Nm

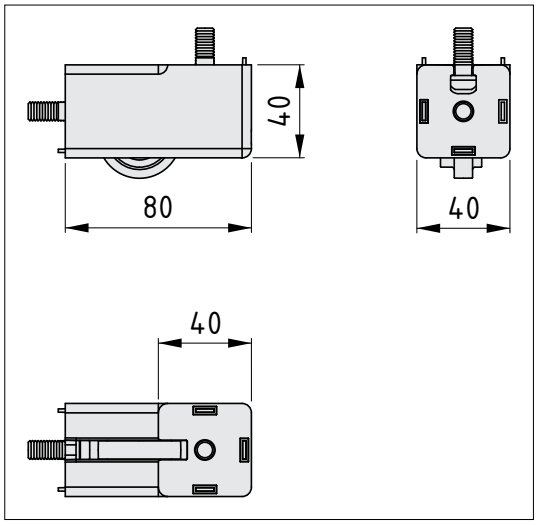


Fasten the catches 7 to the top and bottom of the vertical profile on the fixed panel frame 4, approx. 100 mm from the inside edge of the horizontal profile on the door.



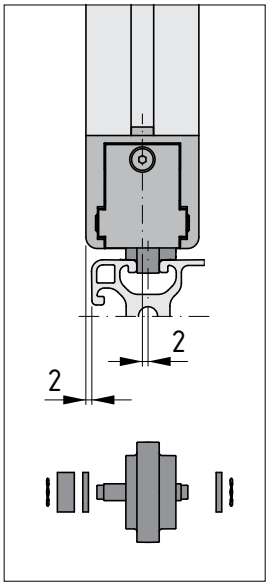
Assembly preparations – Corner-Fastener with Roller 8 40x40





No.	Quantity	Article
15	1	Corner Fastener casing 8 40x40, die-cast Al
16	1	Axle, St, bright zinc-plated
17	1	Roller element, PA6, black
18	1	Countersunk Screw DIN 7991 M4x8, St, bright zinc-plated
19	1	Insert, St, bright zinc-plated
20	2	Spacer disc 2 mm, Al, natural
21	2	Spring washer, St, bright zinc-plated
22	1	Spacer disc 6 mm, Al, natural
23	2	Washer, St, bright zinc-plated
24	2	Button-Head Screw ISO 7380 M8x22, St, bright zinc-plated

Prepare the Corner-Fasteners with Roller 8 40x40 as appropriate to the arrangement of your sliding door.

Sliding door variant	Door type / fixed panel	Installation of roller element	Comments
I (one sliding door)	A		Sliding door projects 2 mm in front of outer frame
	B	-	Fixed panel, Corner-Fasteners with Roller 8 40x40 not needed







Example of assembling the roller inserts

Assembling the roller inserts

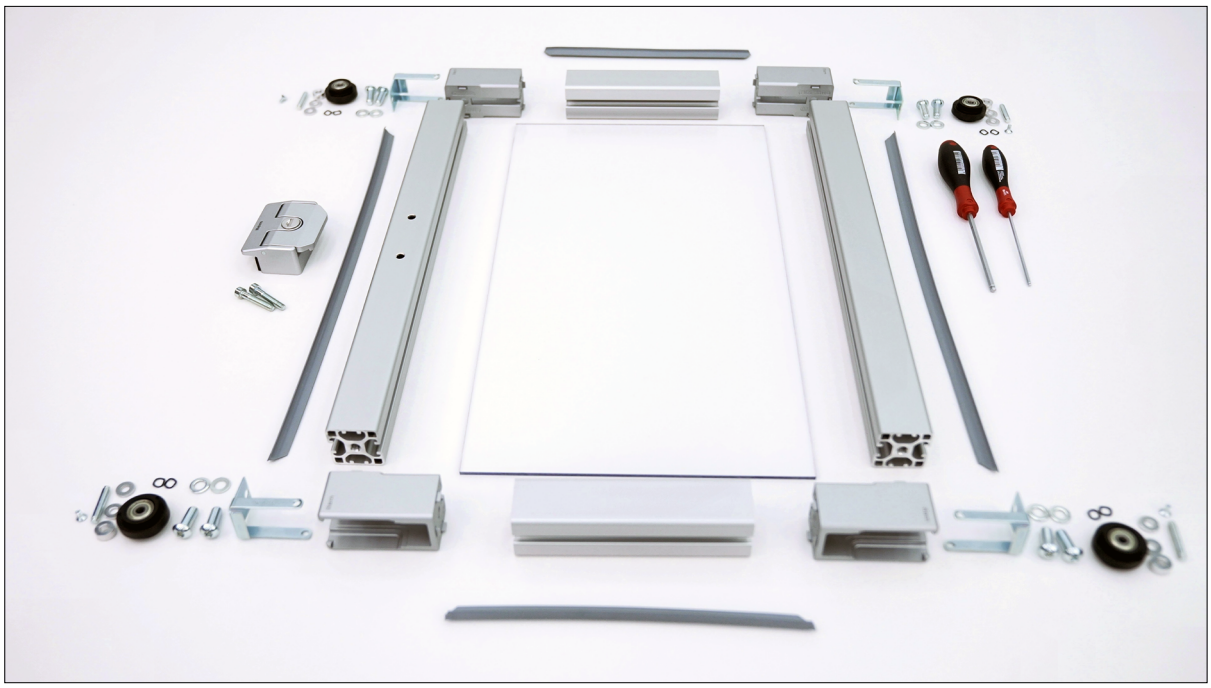
- Slide the axle into the roller element.
- Use one 6 mm sleeve and two 2 mm sleeves to create the appropriate spacings for the position of your sliding door.
- Always add the two spring washers last, fitting one to each side of the roller element.

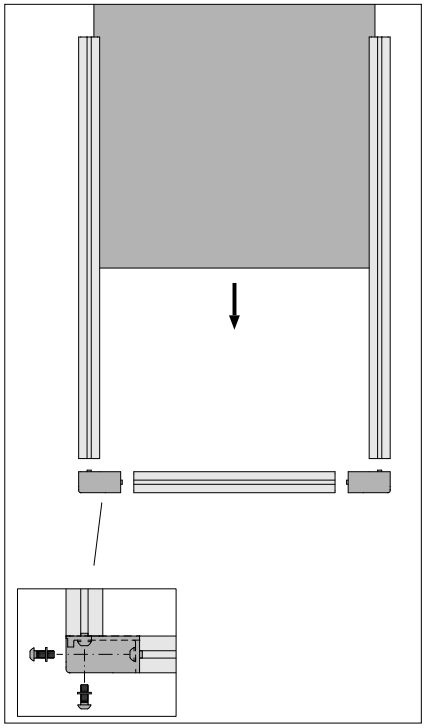


NOTE! Please note that the position of the roller elements determines the fit of the sliding door. This means that the asymmetrical arrangement of each roller element in its insert must be appropriate for the position on the sliding door.

Constructing the sliding door

Do not fit the assembled roller inserts 19 into the Corner-Fastener casings 15 yet. Initially, the Corner-Fastener casings are used solely to connect together the profiles that make up the door.



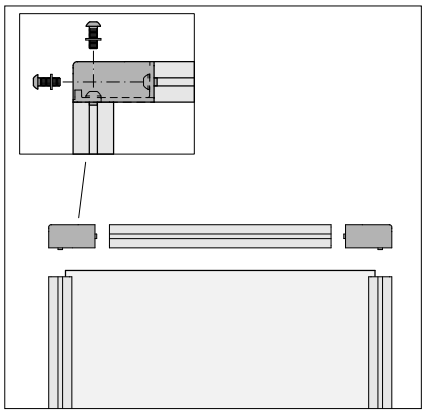


Use the Corner-Fastener casings 15 to connect the vertical profiles 2 to the lower horizontal profile 1.

To do this, screw the Button-Head Screws ISO 7380-M8x22 24 and washers 23 into the threaded core bore of the profiles.

M_T = 20 Nm

Next, slot the panel into the U-shaped profile frame.



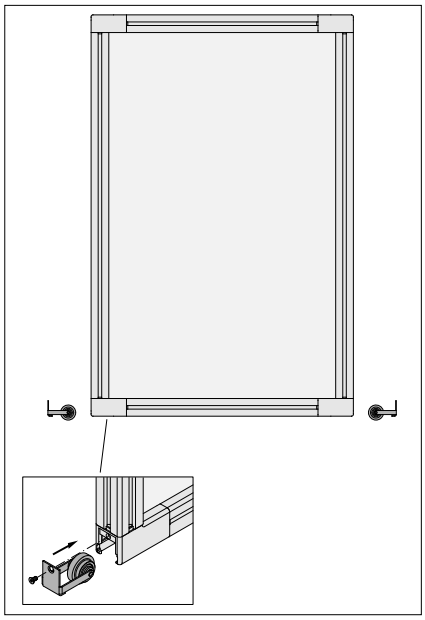
Now complete the profile frame in the same way, using the Corner-Fastener casings 15 and the Button-Head Screws ISO 7380-M8x22 24 and washers 23.

M_T = 20 Nm



Fix in place the Lip Seal 8 4-6mm, grey similar to RAL 7040 (0.0.489.92) that has already been cut to size and seal the panel element into place.

We recommend using soapy water to make it easier to install the Lip Seal.

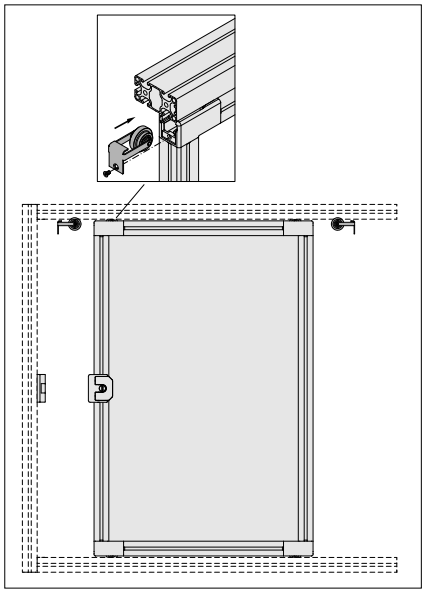


Now slot the roller inserts 19 into the lower Corner-Fastener casings 15 of the completed door profile frame, securing them in place with Countersunk Screw DIN 7991-M4x8 18.

NOTE! Each insert must be preassembled with a roller element, washers and sleeves as appropriate to its position and application scenario.

See Section:
“Assembly preparations – Corner-Fastener with Roller 8 40x40” on page 10”

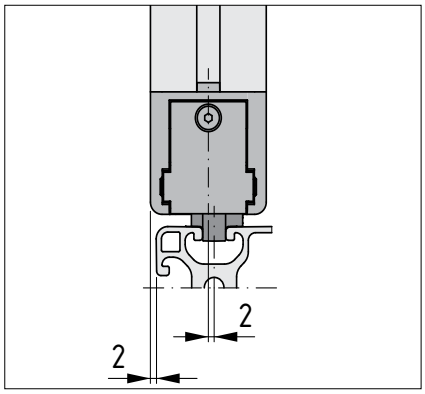




Now place the door with its complete lower Corner-Fasteners in the groove that runs along the inside at the bottom of the outer frame and swivel it into position. To secure the sliding door in place and make it functional, insert the assembled roller inserts into the upper Corner-Fasteners and fix them in place with Countersunk Screws DIN 7991 M4x8 18.

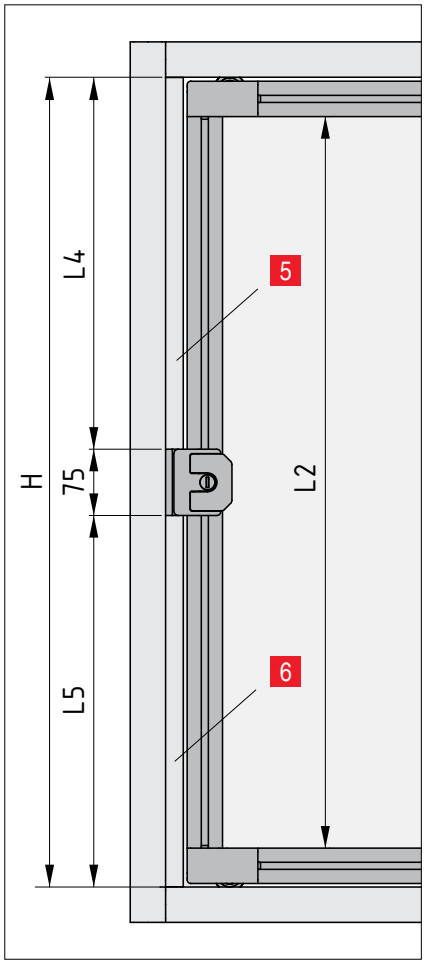
NOTE! Each insert must be preassembled with a roller element, washers and sleeves as appropriate to its position and application scenario.

See Section:
“Assembly preparations – Corner-Fastener with Roller 8 40x40” on page 10”



When the sliding door is correctly positioned in the outer frame, it will project 2 mm out in front of the outer frame.

Fitting Frame Profile 8 31x20

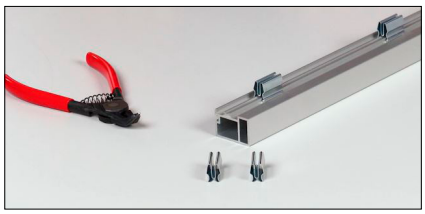


Frame Profile 8 31x20 closes the 20 mm gap that is created when installing Sliding-Door Lock 8 40x40.

No. 5:
L4 = ((H - 75.5) / 2) + 0.25

No. 6:
L5 = ((H - 75.5) / 2) - 0.25

Quantity of Clips 8 St, No. 5 (rounded up): (L4 - 80) / 2
Quantity of Clips 8 St, No. 6 (rounded up): (L5 - 80) / 2



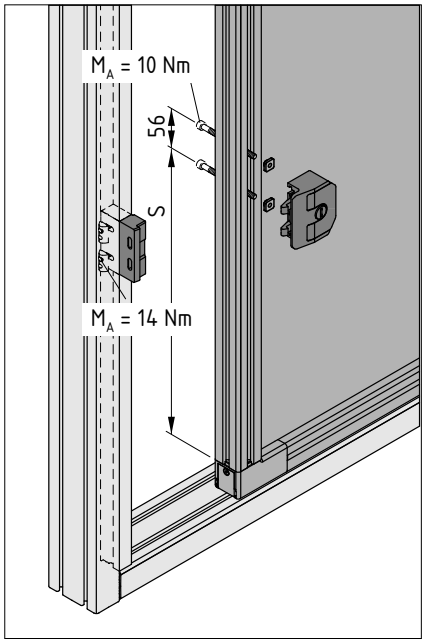
Fit Clip 8 St (0.0.428.97) into place on the corresponding aluminium geometry of Frame Profile 8 31x20. You can use circlip pliers to make this easier.

Place the first Clip approx. 40 mm from the edge of the profile, then add a new clip approximately every 200 mm further along the profile. If necessary, adjust this spacing to spread the Clips evenly.



Fit the vertical Frame Profiles 8 31x20 5 and 6, pressing them by hand into the Line 8 profiles of the outer door frame, where they will fill the gap above and below Sliding-Door Lock 8 40x40.

Fitting Sliding-Door Lock 8 40x40



The profile on the outer frame does not require any additional machining when using Sliding-Door Lock 8 40x40. Use T-Slot Nuts to fit the locking piece to the inside groove of the outer frame, where it can be moved up and down the profile and is bordered above and below by Frame Profile 8 31x20.

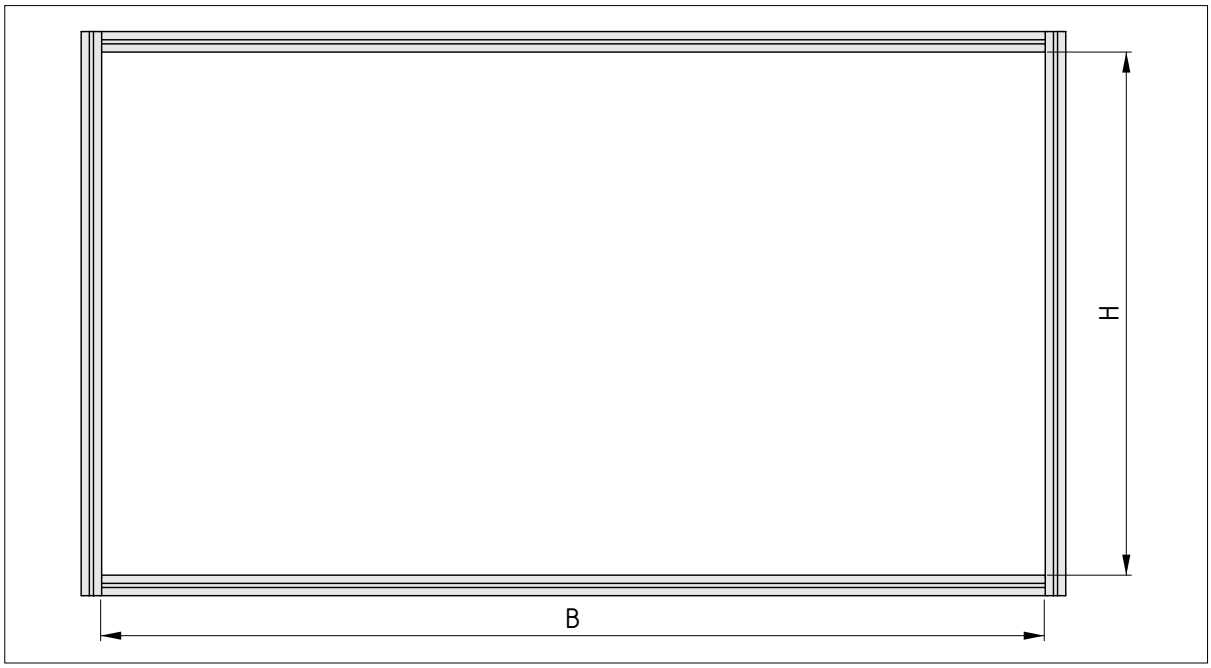
M_T = 14 Nm

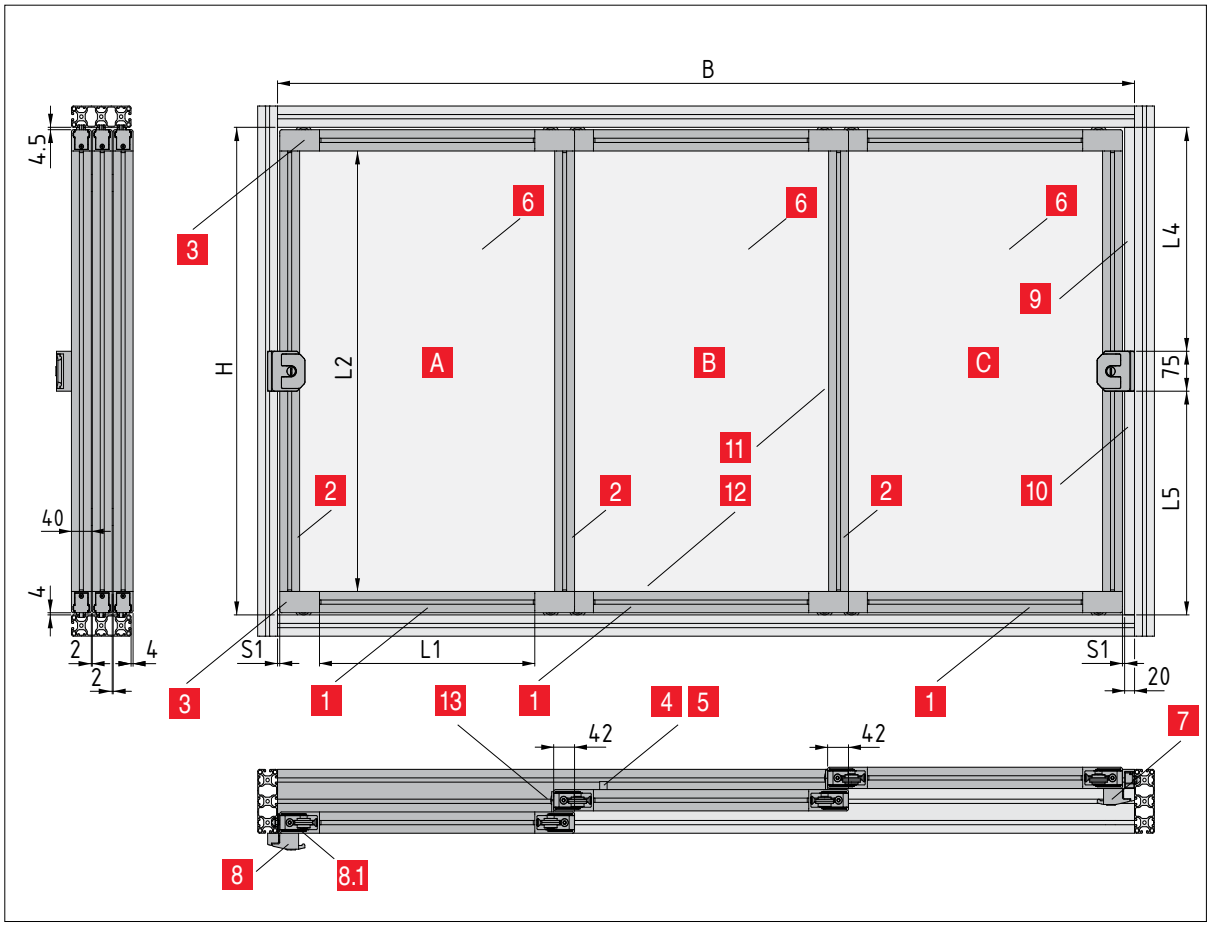
The vertical Profile 8 40x40 light 2 of the sliding door requires 2 stepped bores for securing the lock case.

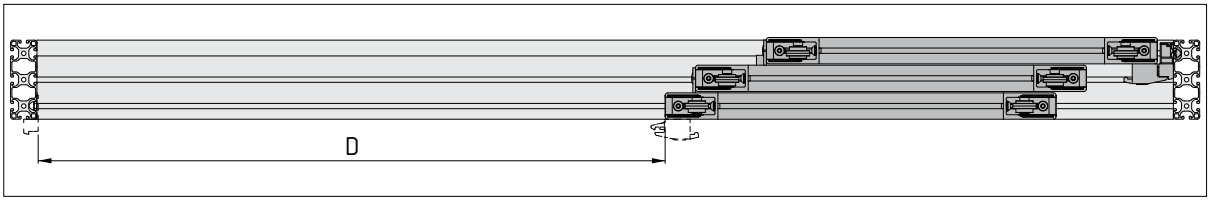
M_T = 10 Nm

NOTE! For profile machining, see Section:
"Assembly preparations – preparing profiles" on page 7

Variant II – three sliding doors with two sliding-door locks





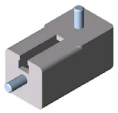
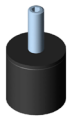
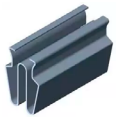
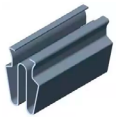


The width (D) of the sliding door opening is determined by the articles used.
When using the sliding-door locks (please note that parts of the door lock project into the opening):
Dimension of opening with 3 doors: D = B - L1 - 337.9
Dimension of opening with 2 doors and one fixed panel: D = B - L1 - 291.9

When using Magnetic Catches:
Dimension of opening with 3 doors: D = B - L1 - 317.5
Dimension of opening with 2 doors and one fixed panel: D = B - L1 - 271.5

Parameters	
Variable	**Description**
B	Clear width
D	Width of the sliding door opening
H	Clear height
A	Front sliding door
B	Central sliding door
C	Rear sliding door
L1	Length of horizontal profile on sliding door
L2	Length of vertical profile on sliding door
L4	Length of upper Frame Profile 8 31x20, from top profile of outer frame to top edge of door lock
L5	Length of lower Frame Profile 8 31x20, from bottom profile of outer frame to bottom edge of door lock
L6	Length of horizontal Lip Seal on sliding door
L7	Length of vertical Lip Seal on sliding door
S1	Gap between frame and sliding door

General basic structure for three sliding doors						
No.	**Quantity**	**Article**	**Article designations**	**Length [mm]**	**Comments**	**Illustration**
1	6	0.0.026.33	Profile 8 40x40 light, natural	L1* = ((B+55.2) / 3) -160		

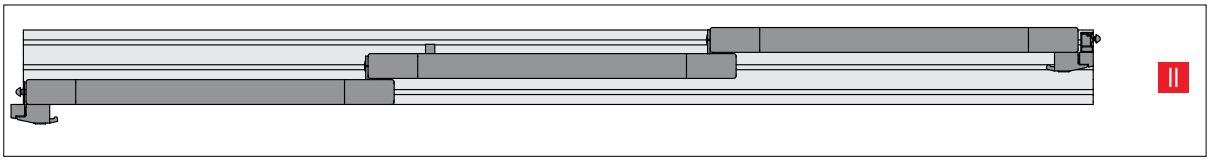
General basic structure for three sliding doors						
No.	Quantity	Article	Article designations	Length [mm]	Comments	Illustration
2	6	0.0.026.33	Profile 8 40x40 light, natural	L2 = H - 88.5		
3	12	0.0.719.44	Corner-Fastener with Roller 8 40x40	-		
4	1	0.0.719.02	Impact Buffer D15x15 M4x12	-		
5	1	0.0.420.06	T-Slot Nut 8 St M4, bright zinc-plated	-		
6	3	-	4 mm panel element for sliding door A B C	Width = L1 + 102 Height = L2 + 22		
7	1	0.0.723.87	Sliding-Door Lock 8 40x40, white aluminium	-	*	
8	1	0.0.715.40	Sliding-Door Lock 8, white aluminium	-	*	
8.1	2	8.0.001.23	Hexagon Socket Head Cap Screws DIN 912 M6x35, St, bright zinc-plated	-		
9	1	0.0.707.73	Frame Profile 8 31x20, natural	L4 = ((H - 75.5) / 2) + 0.25		
	Quantity = (L4-80) / 200	0.0.428.97	Clip 8 St, bright zinc-plated	-	Round up quantity and spread out evenly	
10	1	0.0.707.73	Frame Profile 8 31x20, natural	L5 = ((H - 75.5) / 2) - 0.25		
	Quantity = (L5-80) / 200	0.0.428.97	Clip 8 St, bright zinc-plated	-	Round up quantity and spread out evenly	

General basic structure for three sliding doors						
No.	Quantity	Article	Article designations	Length [mm]	Comments	Illustration
11	6	0.0.489.92	Lip Seal 8 4-6 mm, grey similar to RAL 7040	L6 = (L1 + 80) x 1.05 (horizontal)	For the sliding door A B C	
12	6	0.0.489.92	Lip Seal 8 4-6 mm, grey similar to RAL 7040	L7 = L2 x 1.05 (vertical)		
13	1	0.0.717.36	Sliding Door 8 40x40, Catch	-		

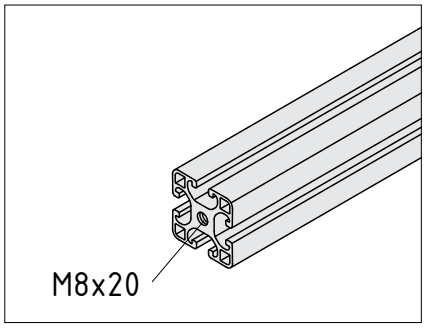
* If you choose not to use Sliding-Door Lock 8 40x40 7 or Sliding-Door Lock 8 8, and instead use e.g. a Magnetic Catch and an additional handle, profile length L1 will be longer.

Assembly preparations – preparing profiles

In variant II - three sliding doors with two sliding-door locks - three sliding doors are positioned one behind the other.

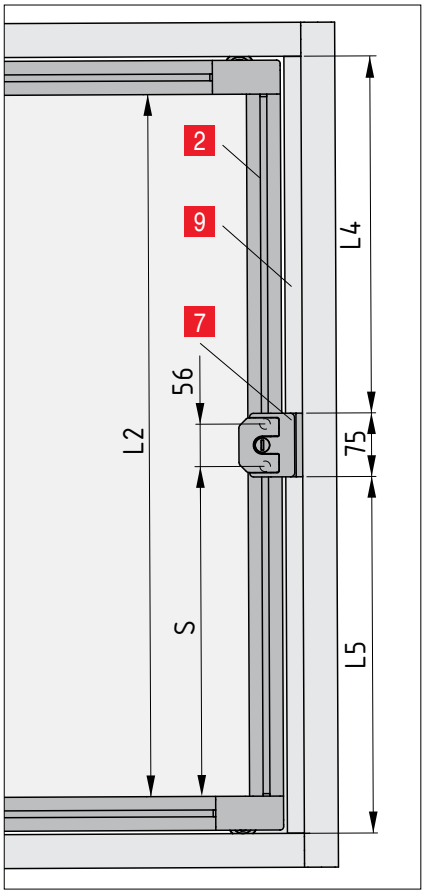


General profile machining:



Tap an M8x20 thread into the core bore at both ends of all the Profiles 8 40x40 light that you are using.

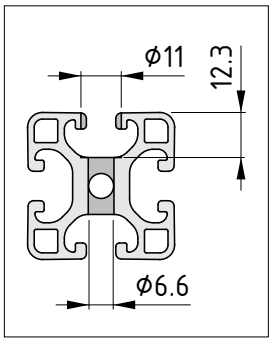
No. 7 - Sliding-Door Lock 8 40x40



In principle, you can choose to position the door lock wherever you like vertically, but it is advisable for ergonomic reasons to fit it in the middle. The profile on the outer frame does not require any additional machining. When using Sliding-Door Lock 8 40x40 7 , the locking piece is fastened to the inner groove of the profile on the outer frame using T-Slot Nuts and can therefore be moved up and down the profile. The gap between the outer frame and door is filled with Frame Profile 8 31x20 9.

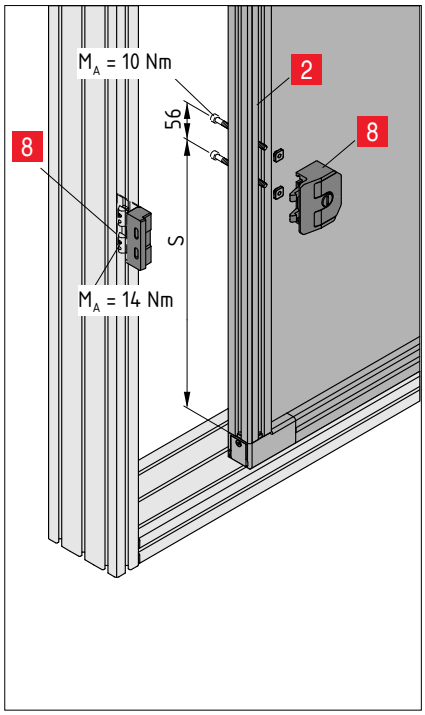
Dimension for first stepped bore:

S = (L2 / 2) - 28



In order that Sliding-Door Lock 8 40x40 can be screwed into place, drill two stepped bores at a centre distance of 56 mm. into the Profile 8 40x40 light 2 that will be a vertical profile in the sliding door.

No. 8 - Sliding-Door Lock 8

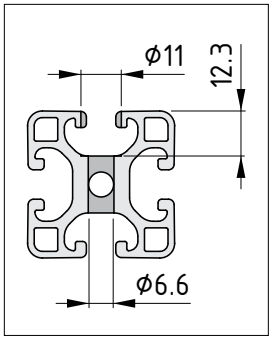


The profile on the outer frame does not require any additional machining when using Sliding-Door Lock 8 8. Use T-Slot Nuts to fit the locking piece to the inside groove of the outer frame, where it can be moved up and down the profile.

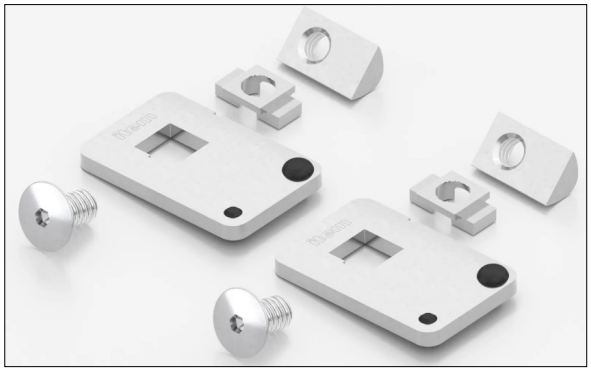
M_T = 14 Nm

The vertical Profile 8 40x40 light 2 of the sliding door requires 2 stepped bores for securing the lock case.

Dimension for first stepped bore: S = (L2 / 2) - 28



Fitting the catches

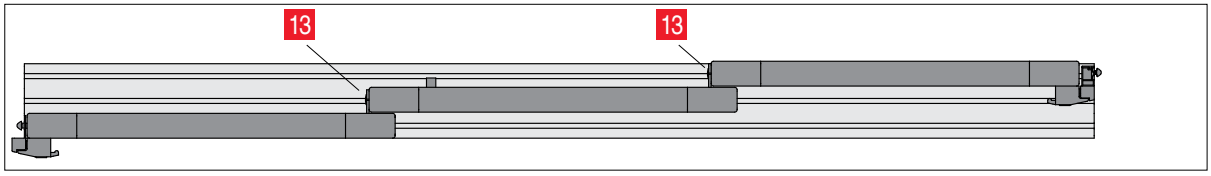


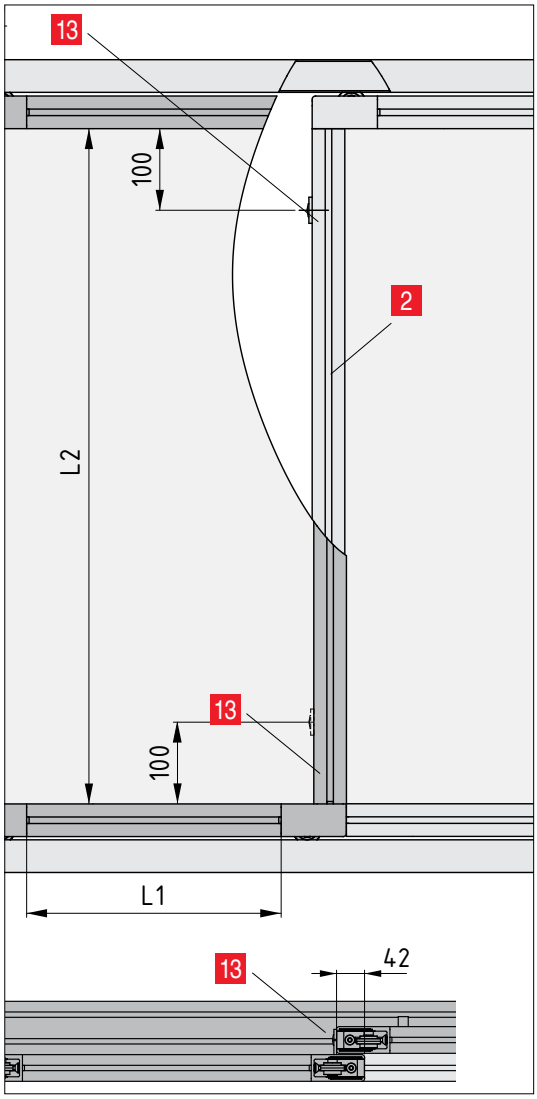
Position the Sliding Door 8 40x40, Catches 13 on the left-hand profiles of the central and rear doors before installing the doors, otherwise it will be very difficult to gain access from the outside.

Sliding Door 8 40x40, Catch has two functions – it can catch another sliding door and move it in tandem and it can act as a cushioning mechanical stop for a sliding door.

Position the anti-torsion features in the cut-out on the plates so that they project into the groove on Profile 8 40x40 light.

M_T = 8 Nm



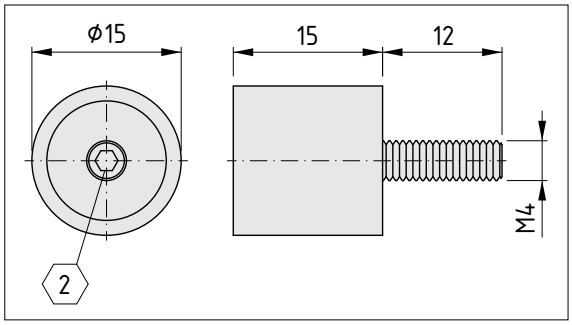


Fasten the Sliding Door 8 40x40, Catches 13 to the top and bottom of the left-hand vertical profiles 2 of the central and rear doors, approximately 100 mm from the inside edge of the horizontal profile on the door.



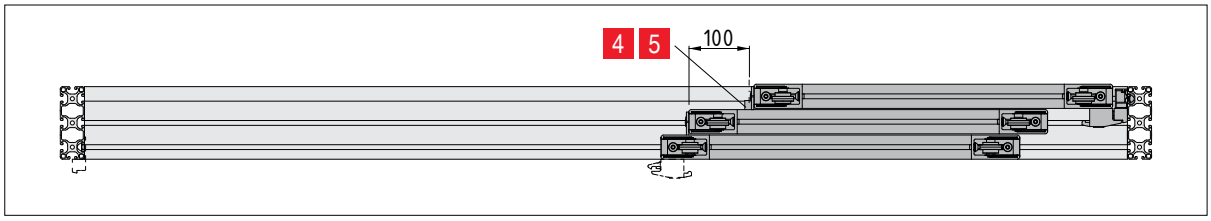
Installing Impact Buffer D15x15 M4x12

Before installing the doors, install the Impact Buffer, as this would otherwise be difficult to access from outside.

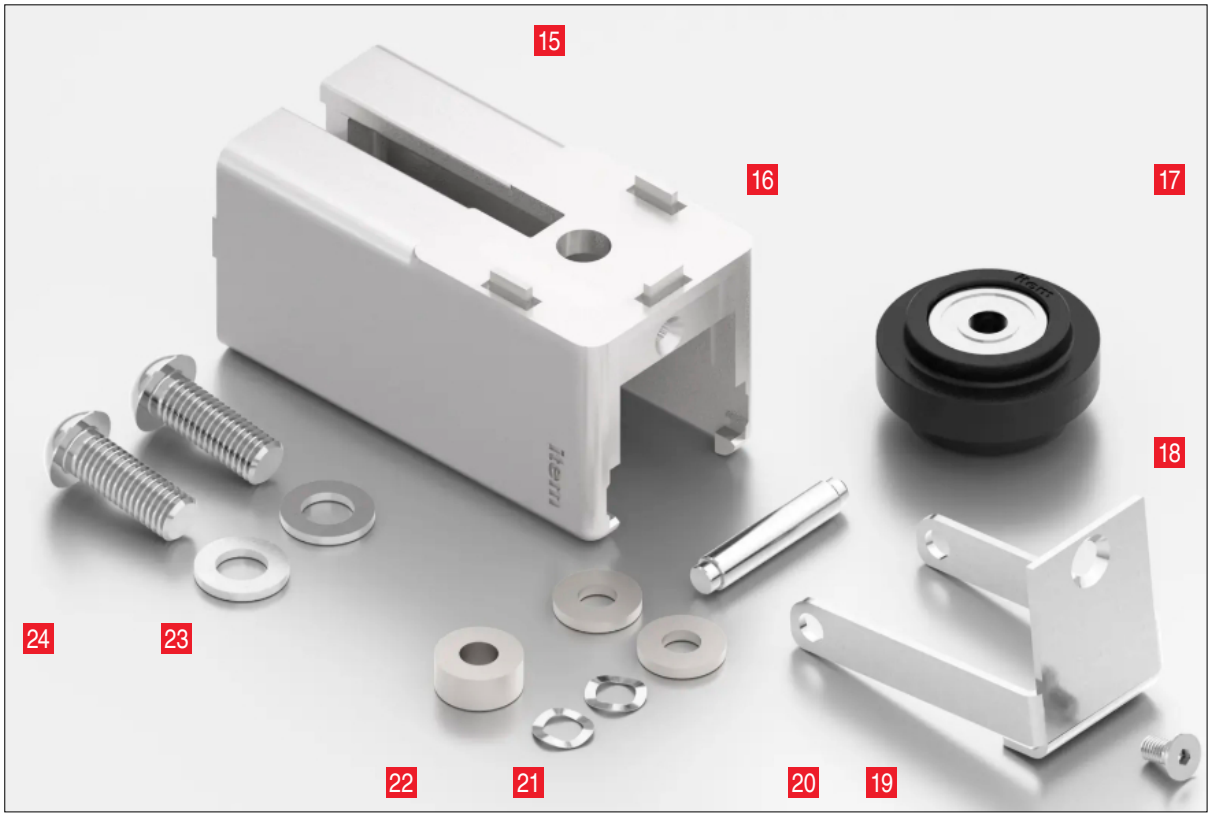


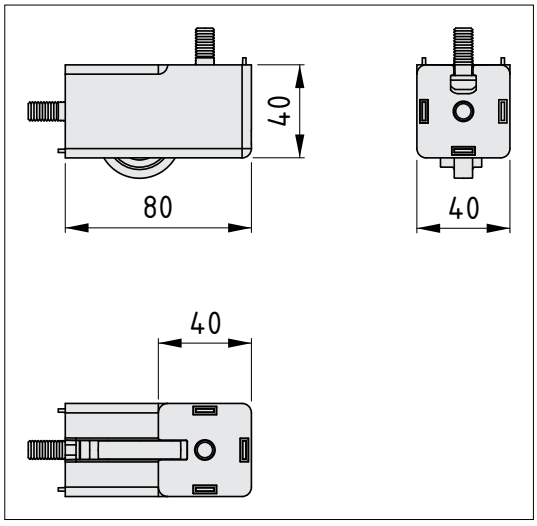
Use T-Slot Nut 8 St M4 (0.0.420.06) 5 to fasten Impact Buffer D15x15 M4x12 (0.0.719.02) 4 on the inside of the central sliding door by hand.

To do this, position the T-Slot Nut in the inside groove on the lower horizontal profile of the door. The T-Slot Nut should be 100 mm from the outside edge of the door.



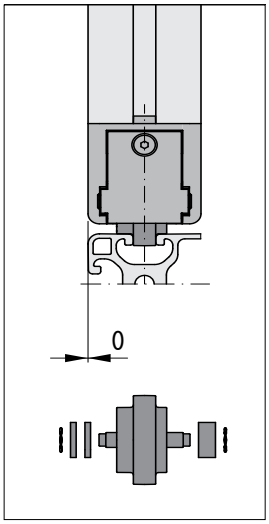
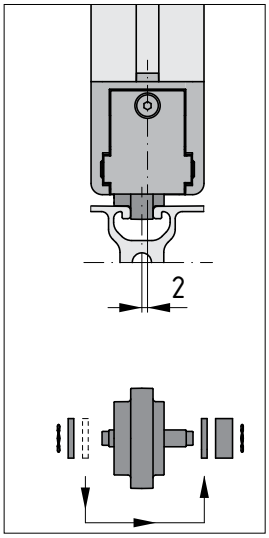
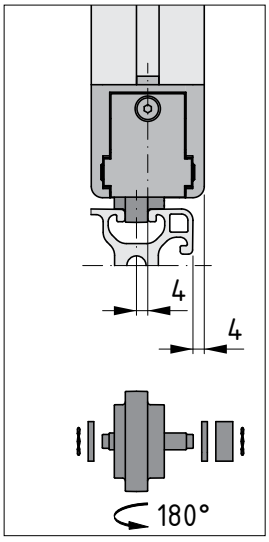
Assembly preparations – Corner-Fastener with Roller 8 40x40





No.	Quantity	Article
15	1	Corner Fastener casing 8 40x40, die-cast Al
16	1	Axle, St, bright zinc-plated
17	1	Roller element, PA6, black
18	1	Countersunk Screw DIN 7991 M4x8, St, bright zinc-plated
19	1	Insert, St, bright zinc-plated
20	2	Spacer disc 2 mm, Al, natural
21	2	Spring washer, St, bright zinc-plated
22	1	Spacer disc 6 mm, Al, natural
23	2	Washer, St, bright zinc-plated
24	2	Button-Head Screw ISO 7380 M8x22, St, bright zinc-plated

Prepare the Corner-Fasteners with Roller 8 40x40 as appropriate to the arrangement of your sliding door.

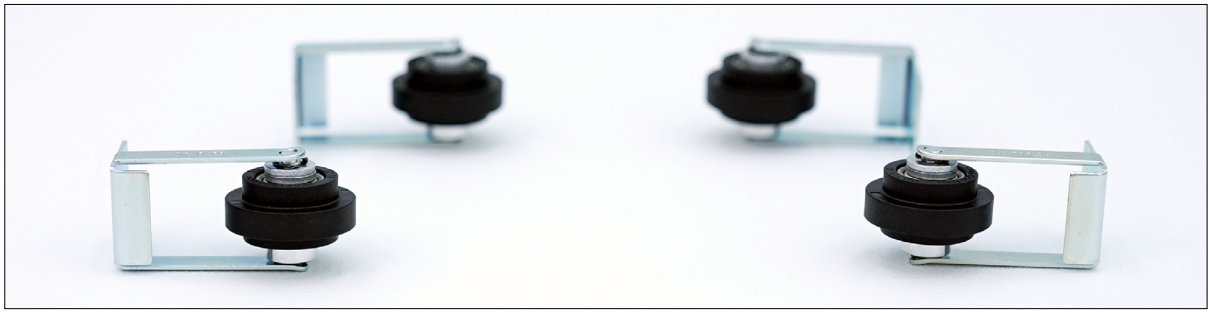
Sliding door variant	Door type / fixed panel	Installation of roller element	Comments
II (three sliding doors)	A		Front sliding door flush with outer frame
	B		Central sliding door offset 2 mm to rear when viewed from centre
	C		Rear sliding door offset 4 mm to rear when viewed from centre



Example of assembling the roller inserts

Assembling the roller inserts

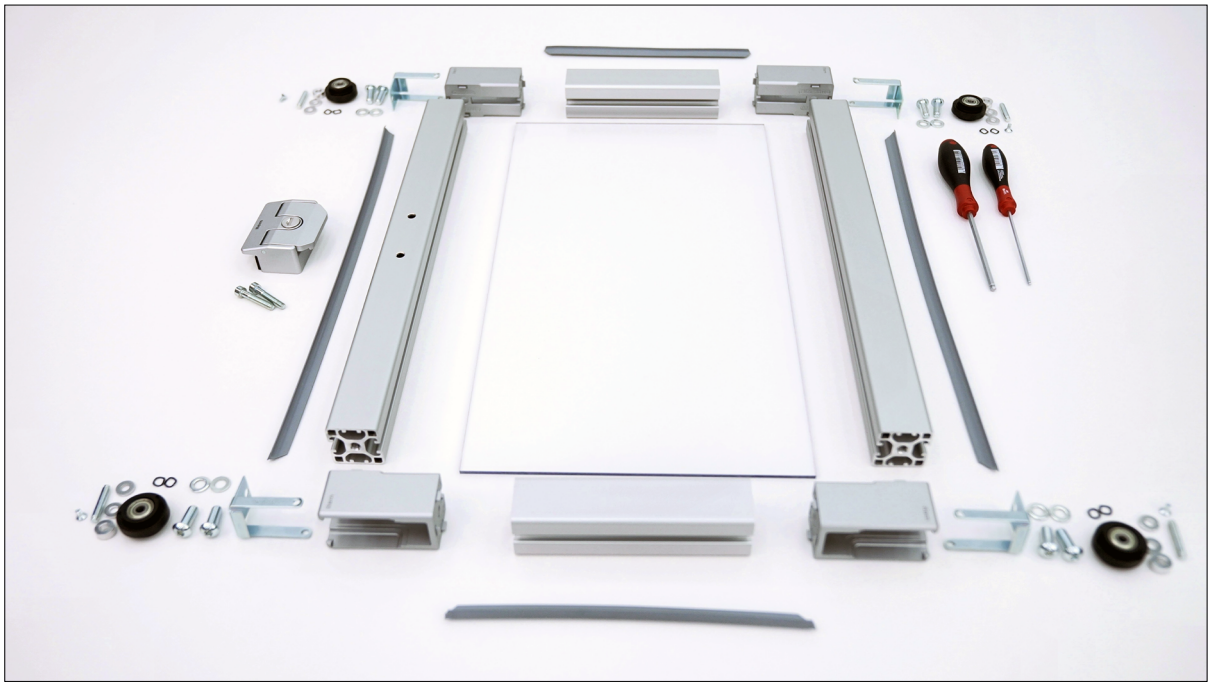
- Slide the axle into the roller element.
- Use one 6 mm sleeve and two 2 mm sleeves to create the appropriate spacings for the position of your sliding door.
- Always add the two spring washers last, fitting one to each side of the roller element.

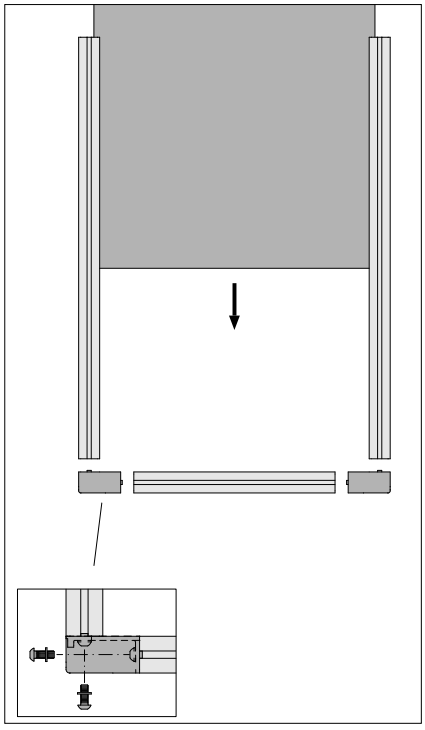


NOTE! Please note that the position of the roller elements determines the fit of the sliding door. This means that the asymmetrical arrangement of each roller element in its insert must be appropriate for the position on the sliding door.

Constructing the sliding door

Do not fit the assembled roller inserts 19 into the Corner-Fastener casings 15 yet. Initially, the Corner-Fastener casings are used solely to connect together the profiles that make up the door.



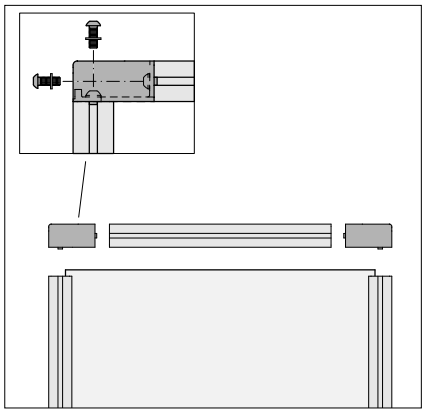


Use the Corner-Fastener casings 15 to connect the vertical profiles 2 to the lower horizontal profile 1.

To do this, screw the Button-Head Screws ISO 7380-M8x22 24 and washers 23 into the threaded core bore of the profiles.

M_T = 20 Nm

Next, slot the panel into the U-shaped profile frame.



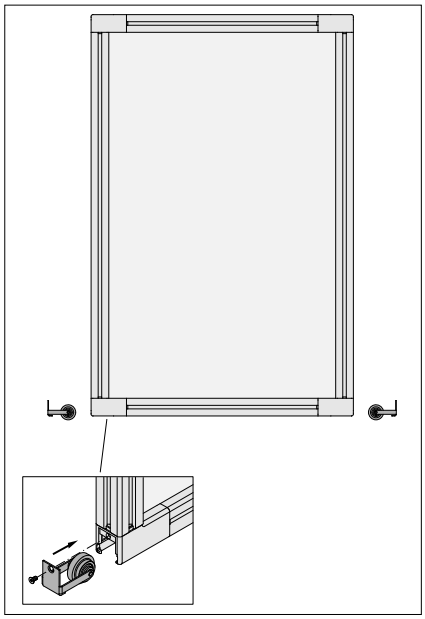
Now complete the profile frame in the same way, using the Corner-Fastener casings 15 and the Button-Head Screws ISO 7380-M8x22 24 and washers 23.

M_T = 20 Nm



Fix in place the Lip Seal 8 4-6 mm, grey similar to RAL 7040 (0.0.489.92) that has already been cut to size and seal the panel element into place.

We recommend using soapy water to make it easier to install the Lip Seal.

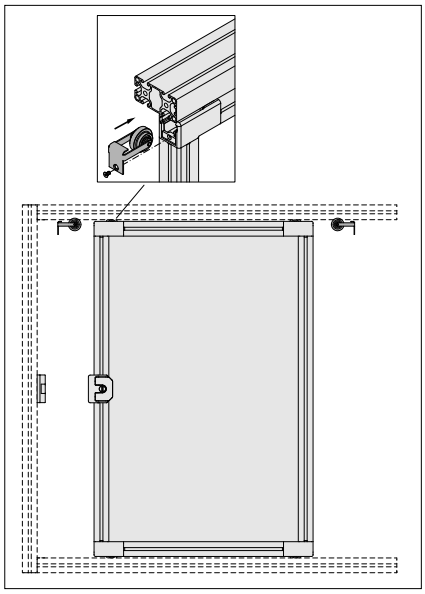


Now slot the roller inserts 19 into the lower Corner-Fastener casings 15 of the completed door profile frame, securing them in place with Countersunk Screw DIN 7991-M4x8 18.

NOTE! Each insert must be preassembled with a roller element, washers and sleeves as appropriate to its position and application scenario.

See Section:
“Assembly preparations – Corner-Fastener with Roller 8 40x40” on page 24”



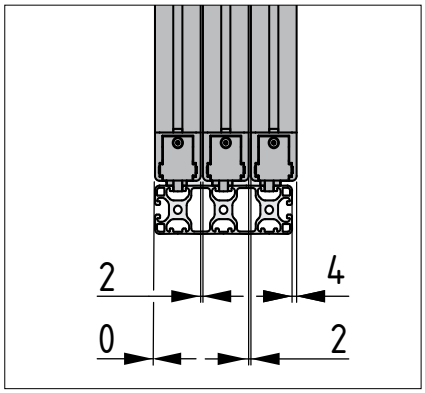


Now place the sliding door with its complete lower Corner-Fasteners in the groove that runs along the inside at the bottom of the outer frame and swivel it into position. To secure the sliding door in place and make it functional, insert the prepared upper roller inserts into the upper Corner-Fasteners and fix them in place with Countersunk Screws DIN 7991 M4x8 18.

NOTE! Take note of the assembly sequence. Install the rear door first, then the central door and only then the front door.

Each insert must be preconfigured with a roller element, washers and sleeves as appropriate to its position and application scenario.

See Section:
“Assembly preparations – Corner-Fastener with Roller 8 40x40” on page 24”

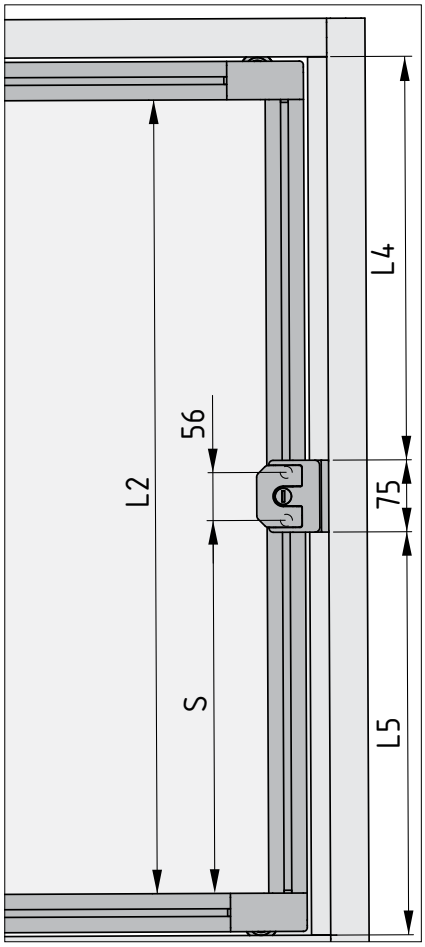


When the sliding doors are correctly positioned in the outer frame:

- The front sliding door A is flush at the front
- The central sliding door B is offset 2 mm from the centre toward the rear
- The rear sliding door C is offset 4 mm from the centre toward the rear

There is a gap of 2 mm between the sliding doors.

Fitting Frame Profile 8 31x20

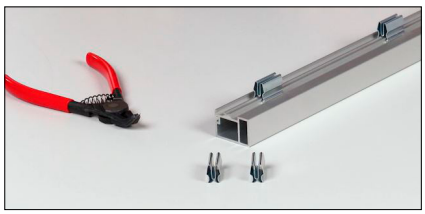


Frame Profile 8 31x20 closes the 20 mm gap that is created when installing Sliding-Door Lock 8 40x40.

No. 5:
L4 = ((H - 75.5) / 2) + 0.25

No. 6:
L5 = ((H - 75.5) / 2) - 0.25

Quantity of Clips 8 St, No. 5 (rounded up): (L4 - 80) / 2
Quantity of Clips 8 St, No. 6 (rounded up): (L5 - 80) / 2



Fit Clip 8 St (0.0.428.97) into place on the corresponding aluminium geometry of Frame Profile 8 31x20. You can use circlip pliers to make this easier.

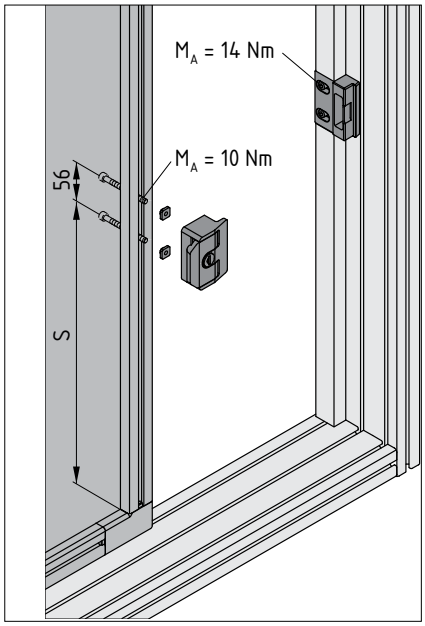
Place the first Clip approx. 40 mm from the edge of the profile, then add a new clip approximately every 200 mm further along the profile. If necessary, adjust this spacing to spread the Clips evenly.



Fit the vertical Frame Profiles 8 31x20 5 and 6, pressing them by hand into the Line 8 profiles of the outer door frame, where they will fill the gap above and below Sliding-Door Lock 8 40x40.

Installing the sliding-door locks

No. 7 - Sliding-Door Lock 8 40x40



The profile on the outer frame does not require any additional machining when using Sliding-Door Lock 8 40x40. Use T-Slot Nuts to fit the locking piece to the inside groove of the outer frame, where it can be moved up and down the profile and is bordered above and below by Frame Profile 8 31x20.

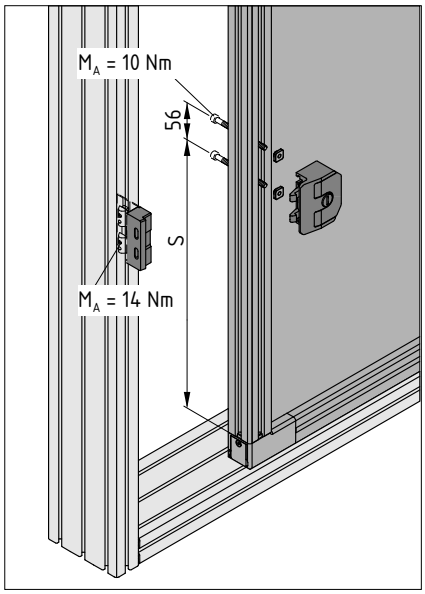
M_T = 14 Nm

The vertical Profile 8 40x40 light 2 of the sliding door requires 2 stepped bores for securing the lock case.

M_T = 10 Nm

NOTE! For profile machining, see Section:
"Assembly preparations – preparing profiles" on page 20"

No. 8 - Sliding-Door Lock 8



The profile on the outer frame does not require any additional machining when using Sliding-Door Lock 8. Use T-Slot Nuts to fit the locking piece to the inside groove of the outer frame, where it can be moved up and down the profile.

M_T = 14 Nm

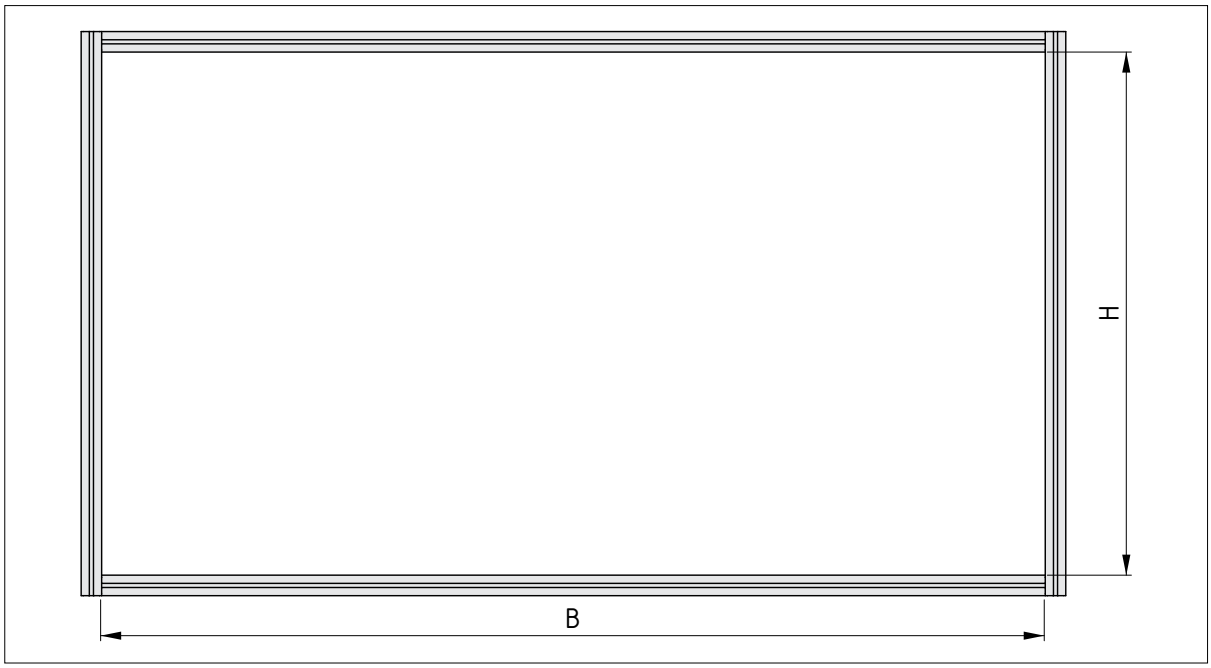
The vertical Profile 8 40x40 light 2 of the sliding door requires 2 stepped bores for securing the lock case.

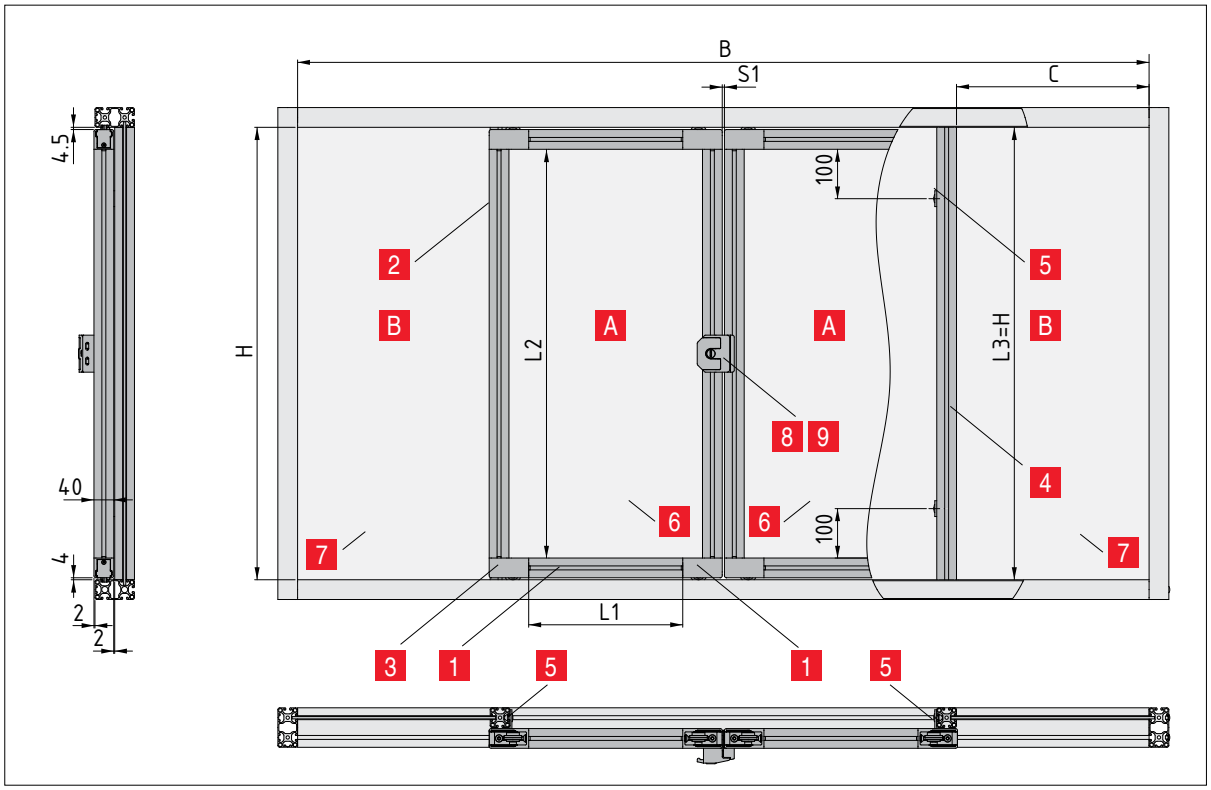
Use the two Hexagon Socket Head Cap Screws DIN 912-M6x35 8.1 to make the fixing.

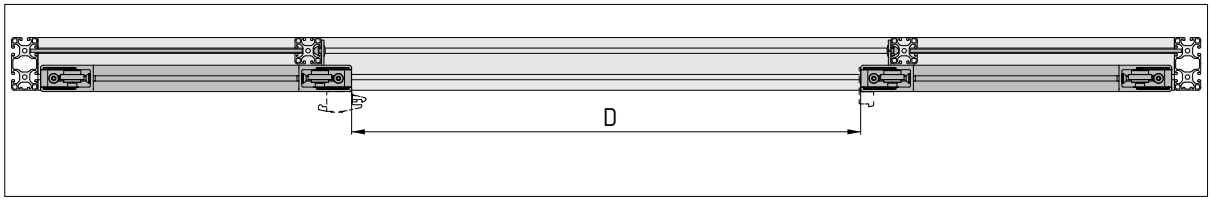
M_T = 10 Nm

NOTE! For profile machining, see Section:
"Assembly preparations – preparing profiles" on page 20"

Variant III – two sliding doors located centrally with sliding-door lock







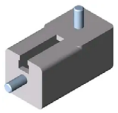
The width (D) of the sliding door opening is determined by the articles used.

D = B - 2 x (L1 + 164) Please note that parts of the door lock project into the opening.

D = B - 2 x (L1 + 164) When using a Sliding Door Magnetic Catch 8 (0.0.718.40) instead of Sliding-Door Lock 8 40x40

Parameters	
Variable	Description
B	Clear width
C	Clear width of the fixed panel frame
D	Width of the sliding door opening
H	Clear height
A	Right-hand sliding door and left-hand sliding door (same size)
B	Right-hand fixed panel and left-hand fixed panel (same size)
L1	Length of horizontal profile on sliding door
L2	Length of vertical profile on sliding door
L3	Clear height of the fixed outer frame, corresponds to H
L5	Length of horizontal Lip Seal on sliding door
L6	Length of vertical Lip Seal on sliding door
L7	Length of Lip Seal for horizontal profiles of fixed panel
L8	Length of Lip Seal for vertical profiles of fixed panel
S1	Gap width when sliding door is closed

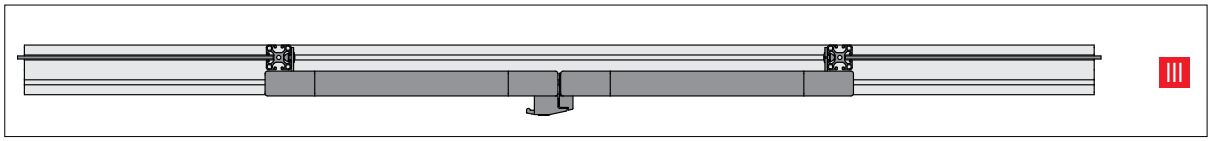
General basic structure for two sliding doors and two fixed panels						
No.	Quan-tity	Article	Article designations	Length [mm]	Comments	Illustration
1	4	0.0.026.33	Profile 8 40x40 light, natural	L1* = ((B - 160.4) / 4) - 79		
2	4	0.0.026.33	Profile 8 40x40 light, natural	L2 = H - 88.5		

General basic structure for two sliding doors and two fixed panels						
No.	Quan-tity	Article	Article designations	Length [mm]	Comments	Illustration
3	8	0.0.719.44	Corner-Fastener with Roller 8 40x40	-		
4	2	0.0.026.33	Profile 8 40x40 light, natural	L3 = H		
5	2	0.0.717.36	Sliding Door 8 40x40, Catch	-		
6	2	-	4 mm panel element for sliding door A	Width = L1 + 102 Height = L2 + 22		
7	2	-	4 mm panel element for fixed panel B	Width = C + 22 Height = H + 22	When using Lip Seals	
8	1	0.0.715.40	Sliding-Door Lock 8, white aluminium	-	*	
9	2	8.0.001.23	Hexagon Socket Head Cap Screw DIN 912 M6x35, bright zinc-plated	-	Fixing for lock	
10	2	0.0.489.92	Lip Seal 8 4-6 mm, grey similar to RAL 7040	L5 = (L1 + 80) x 1.05 (horizontal)	For the sliding doors A	
11	2	0.0.489.92	Lip Seal 8 4-6 mm, grey similar to RAL 7040	L6 = L2 x 1.05 (vertical)		
12	2	0.0.489.92	Lip Seal 8 4-6 mm, grey similar to RAL 7040	L7 = C x 1.05 (horizontal)	For the fixed panels B	
13	2	0.0.489.92	Lip Seal 8 4-6 mm, grey similar to RAL 7040	L8 = L3 x 1.05 (vertical)		

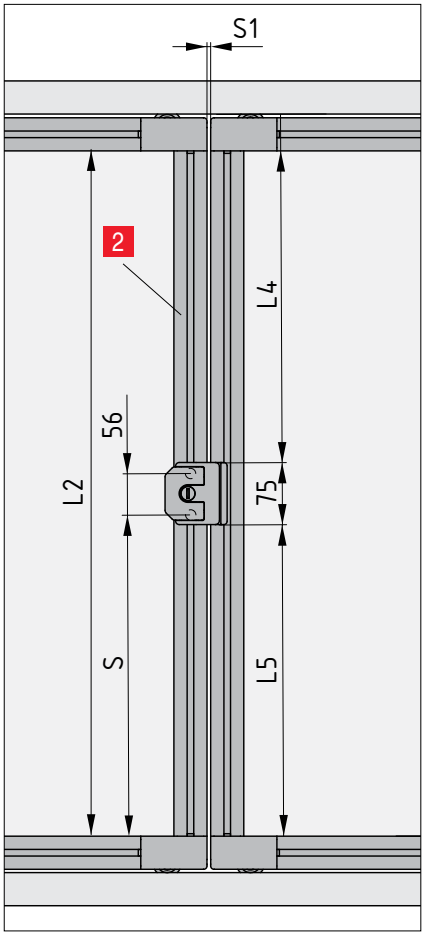
* If you choose not to use Sliding-Door Lock 8 8, and instead use e.g. a Magnetic Catch and an additional handle, profile length L1 will be longer.

Assembly preparations – preparing profiles

Variant III – two sliding doors located centrally with sliding-door lock



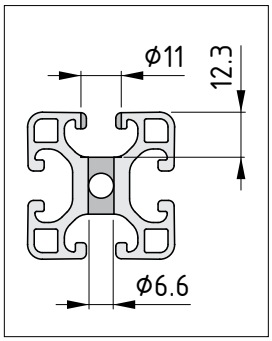
No. 8 - Sliding-Door Lock 8



In principle, you can choose to position the door lock wherever you like vertically, but it is advisable for ergonomic reasons to fit it in the middle.

Dimension for first stepped bore:

S = (L2 / 2) - 28

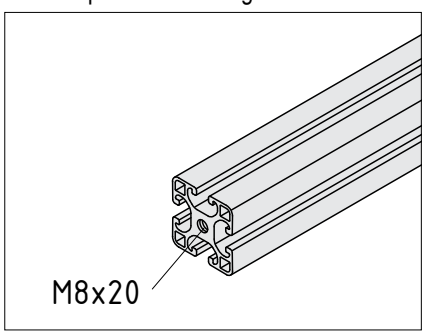


In order that Sliding-Door Lock 8 can be screwed into place, drill two stepped bores at a centre distance of 56 mm into the Profile 8 40x40 light 2 that will be a vertical profile in the sliding door.

The door profile of the right-hand door does not require any additional machining. Use T-Slot Nuts to fit the locking piece to the inside groove of the door profile.

M_T = 14 Nm

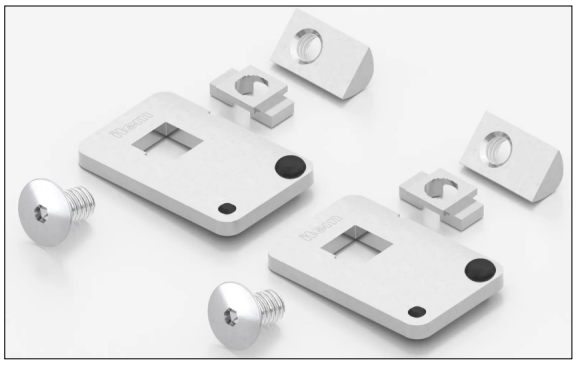
General profile machining:



Tap an M8x20 thread into the core bore at both ends of all the Profiles 8 40x40 light that you are using.

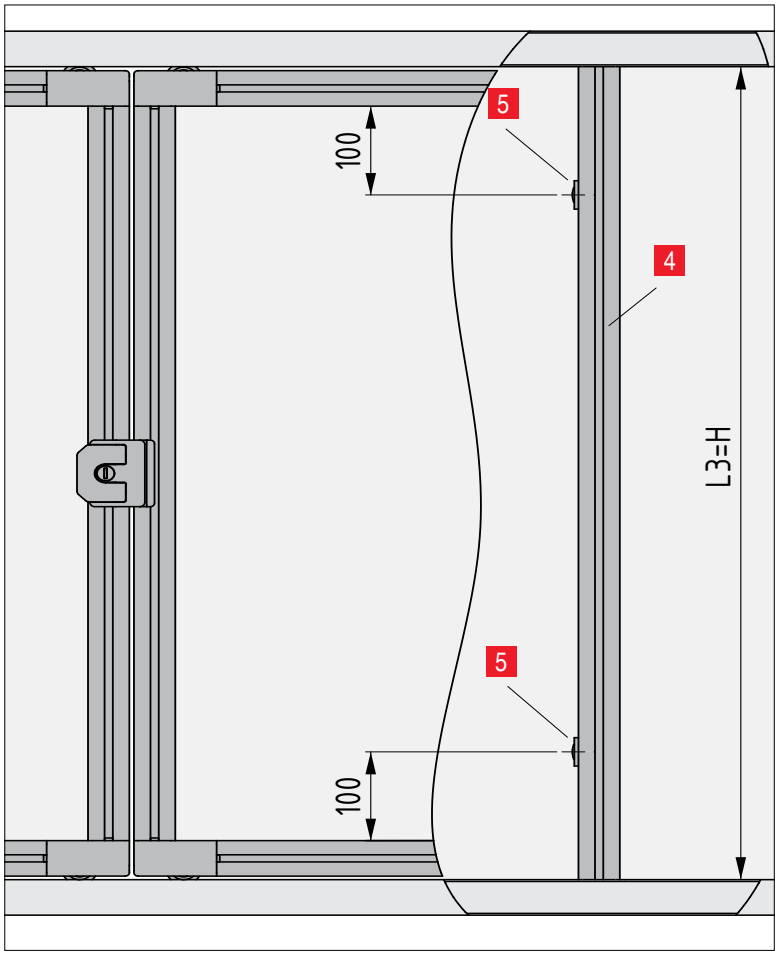
Fitting the catches

Position the catches on the frame of the fixed panels before installing the door, otherwise it will be very difficult to gain access from the outside.



Sliding Door 8 40x40, Catch has two functions – it can catch another sliding door and move it in tandem and it can act as a cushioning mechanical stop for a sliding door. Position the anti-torsion features in the cut-out on the plates so that they project into the groove on Profile 8 40x40 light.

M_T = 8 Nm

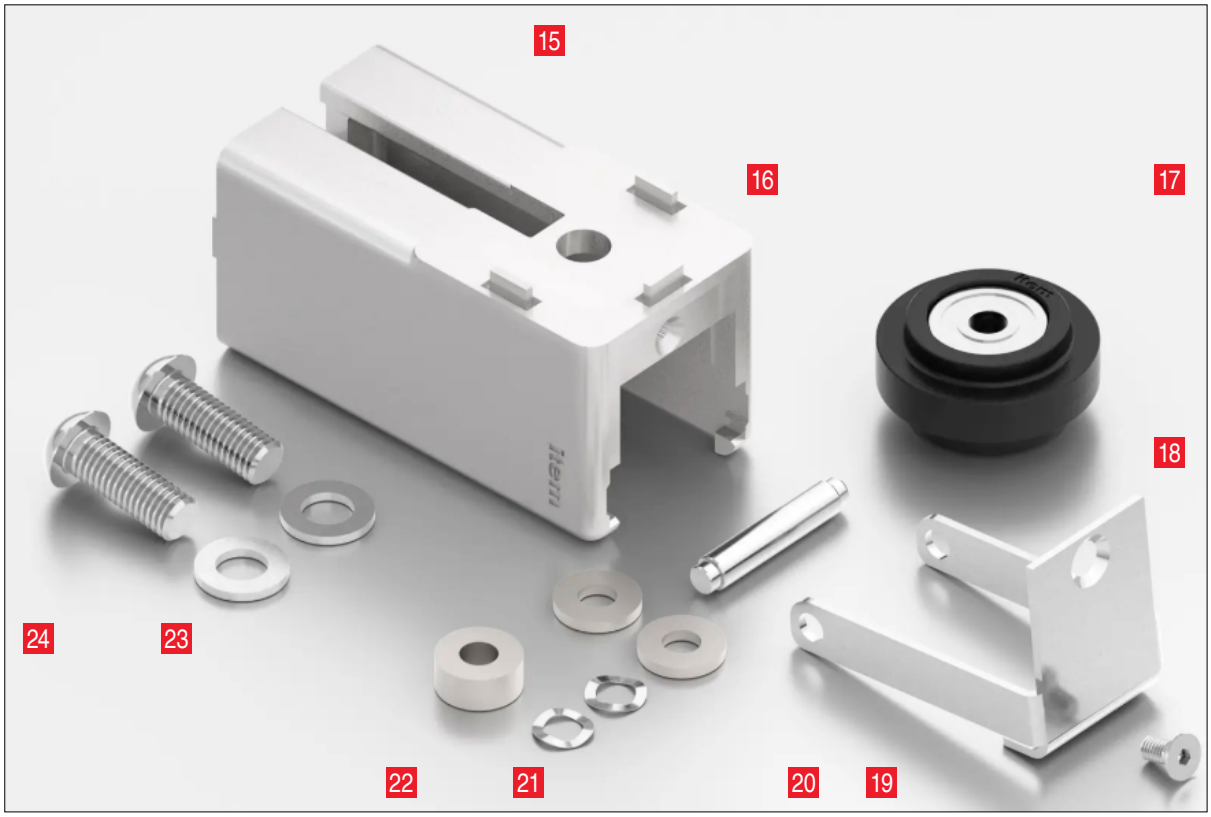


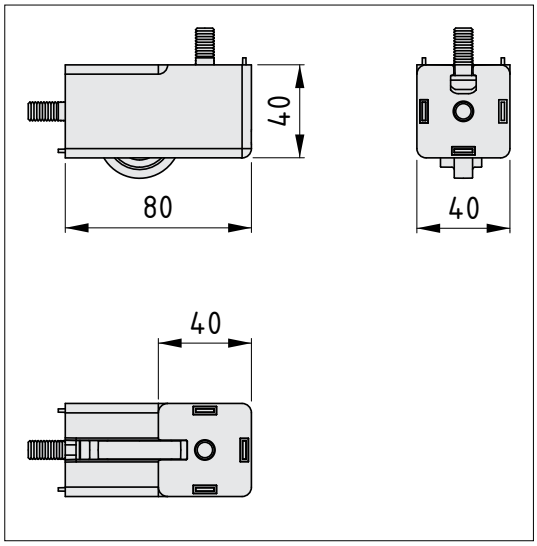
Fasten the catches 5 to the vertical profiles of the fixed panel frame 4, approximately 100 mm from the inside edge of the horizontal profile on the door.

M_T = 8 Nm



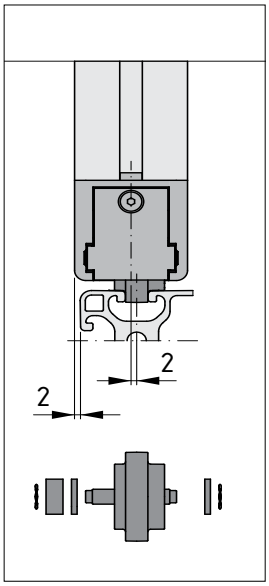
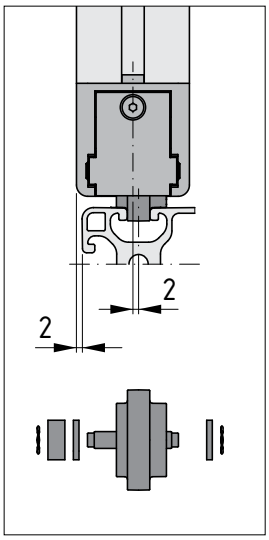
Assembly preparations – Corner-Fastener with Roller 8 40x40





No.	Quantity	Article
15	1	Corner Fastener casing 8 40x40, die-cast Al
16	1	Axle, St, bright zinc-plated
17	1	Roller element, PA6, black
18	1	Countersunk Screw DIN 7991 M4x8, St, bright zinc-plated
19	1	Insert, St, bright zinc-plated
20	2	Spacer disc 2 mm, Al, natural
21	2	Spring washer, St, bright zinc-plated
22	1	Spacer disc 6 mm, Al, natural
23	2	Washer, St, bright zinc-plated
24	2	Button-Head Screw ISO 7380 M8x22, St, bright zinc-plated

Prepare the Corner-Fasteners with Roller 8 40x40 as appropriate to the arrangement of your sliding door.

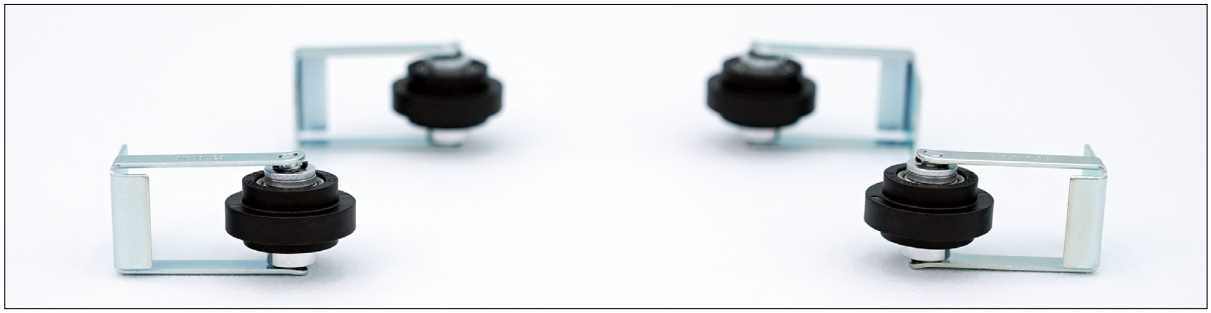
Sliding door variant	Door type / fixed panel	Installation of roller element	Comments
II (two sliding doors located centrally)	A		Sliding door A projects 2 mm in front of outer frame
	B		Sliding door B projects 2 mm in front of outer frame



Example of assembling the roller inserts

Assembling the roller inserts

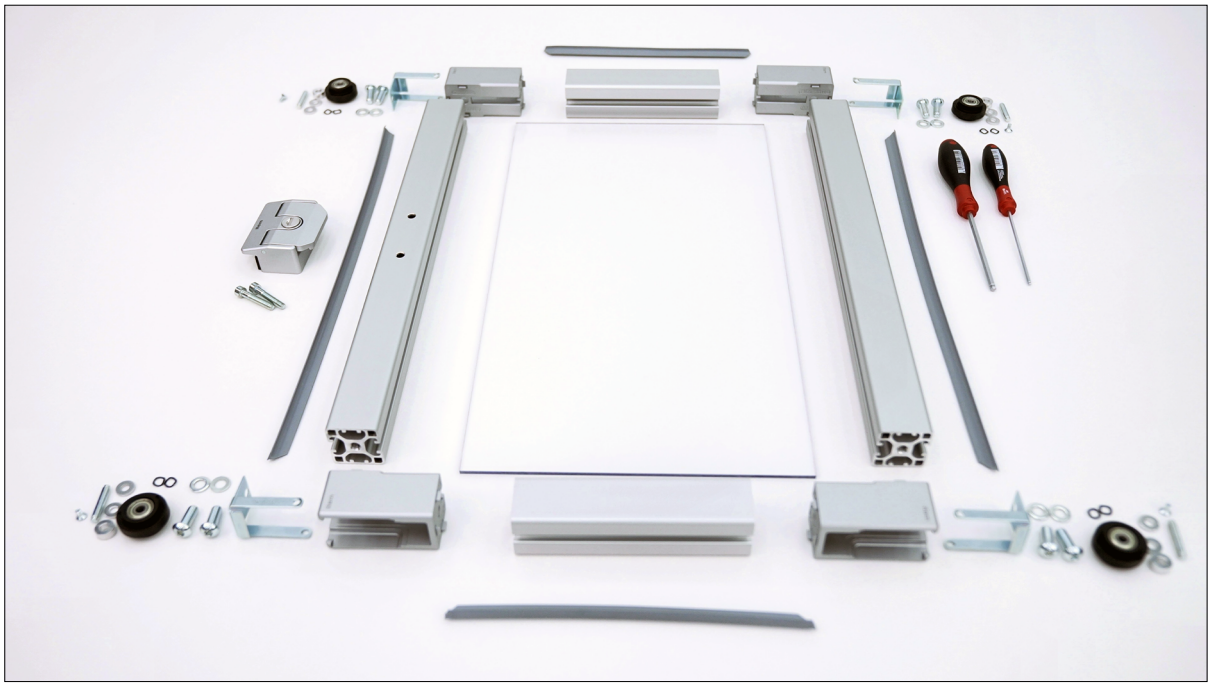
- Slide the axle into the roller element.
- Use one 6 mm sleeve and two 2 mm sleeves to create the appropriate spacings for the position of your sliding door.
- Always add the two spring washers last, fitting one to each side of the roller element.

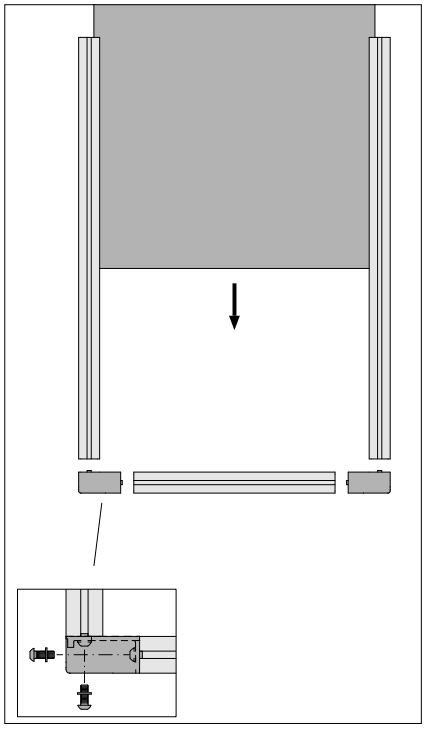


NOTE! Please note that the position of the roller elements determines the fit of the sliding door. This means that the asymmetrical arrangement of each roller element in its insert must be appropriate for the position on the sliding door.

Constructing the sliding door

Do not fit the assembled roller inserts 19 into the Corner-Fastener casings 15 yet. Initially, the Corner-Fastener casings are used solely to connect together the profiles that make up the door.



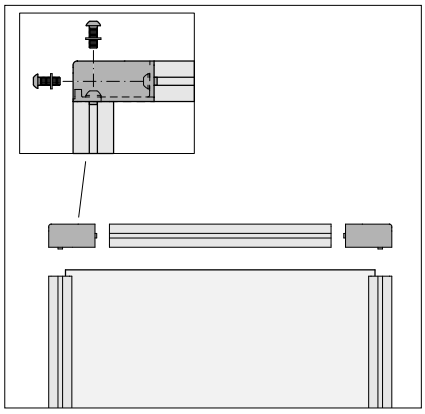


Use the Corner-Fastener casings 15 to connect the vertical profiles 2 to the lower horizontal profile 1.

To do this, screw the Button-Head Screws ISO 7380-M8x22 24 and washers 23 into the threaded core bore of the profiles.

M_T = 20 Nm

Next, slot the panel into the U-shaped profile frame.



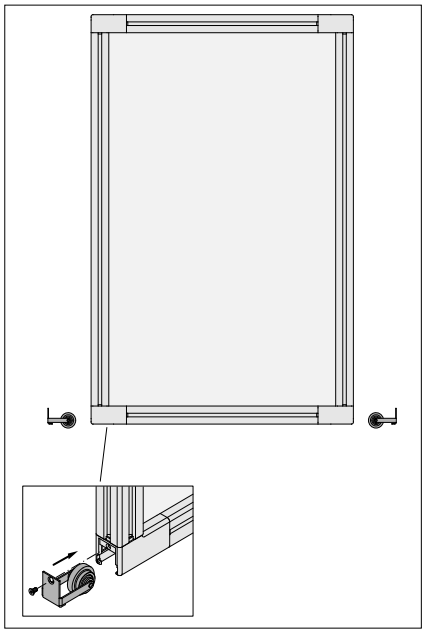
Now complete the profile frame in the same way, using the Corner-Fastener casings 15 and the Button-Head Screws ISO 7380-M8x22 24 and washers 23.

M_T = 20 Nm



Fix in place the Lip Seal 8 4-6mm, grey similar to RAL 7040 (0.0.489.92) that has already been cut to size and seal the panel element into place.

We recommend using soapy water to make it easier to install the Lip Seal.

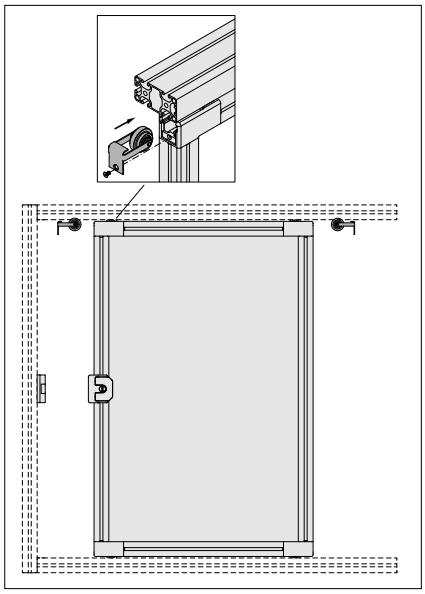


Now slot the roller inserts 19 into the lower Corner-Fastener casings 15 of the completed door profile frame, securing them in place with Countersunk Screw DIN 7991-M4x8 18.

NOTE! Each insert must be preassembled with a roller element, washers and sleeves as appropriate to its position and application scenario.

See Section:
“Assembly preparations – Corner-Fastener with Roller 8 40x40” on page 37”

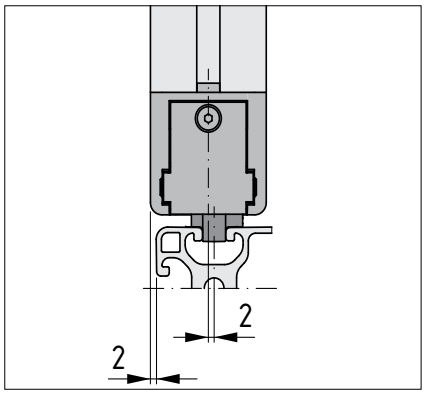




Now place the sliding door with its complete lower Corner-Fasteners in the groove that runs along the inside at the bottom of the outer frame and swivel it into position. To secure the sliding door in place and make it functional, insert the prepared upper roller inserts into the upper Corner-Fasteners and fix them in place with Countersunk Screws DIN 7991 M4x8 18.

NOTE! Each insert must be preassembled with a roller element, washers and sleeves as appropriate to its position and application scenario.

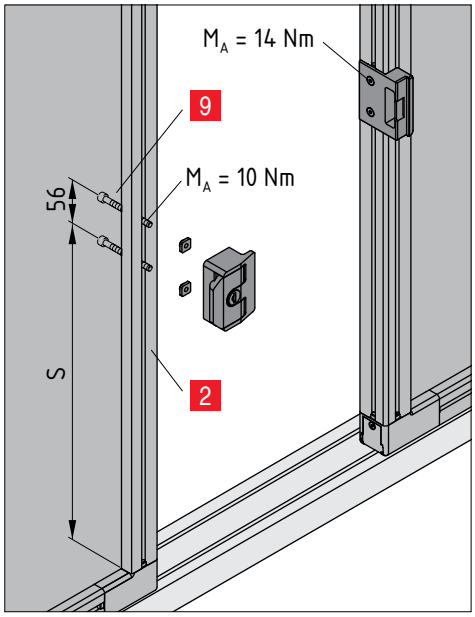
See Section:
“Assembly preparations – Corner-Fastener with Roller 8 40x40” on page 37”



When the sliding door is correctly positioned in the outer frame, it will project 2 mm in front of the outer frame.

Installing the sliding-door lock

Sliding-Door Lock 8



The vertical profile of the right-hand door does not require any additional machining when using Sliding-Door Lock 8. Use T-Slot Nuts to fit the locking piece to the inside groove of the outer frame, where it can be moved up and down the profile.

M_T = 14 Nm

The vertical Profile 8 40x40 light 2 of the left sliding door requires 2 stepped bores for securing the lock case.

Use the two Hexagon Socket Head Cap Screws DIN 912-M6x35 9 to make the fixing.

NOTE! For profile machining, see Section:
"Assembly preparations – preparing profiles" on page 35"

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