

# MANET Pivoting door system

## Accessories and connection systems





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All elements up to and including the pull handles are available in an elegant stainless steel finish. All the components are manufactured from the steel grade 1.4305 (approx. AISI 303) for normal interior applications.

**Note:** The products detailed in this brochure are exclusively intended for glass assemblies that do not require separate building regulations approval.

# MANET sets

The aesthetic elegance of the MANET concept is also available in the form of standardized sets for simple, fast planning of the more popular system types.

Optional accessories enable the individual sets to be semi-customized. The system components offer numerous adjustment possibilities in order to ensure problem-free installation of whichever door type – swing or single-action or double-action – is required. Wall abutment profiles may need to be provided (by others) for fixing overpanels and sidelights.

## Pivoting fitting short type

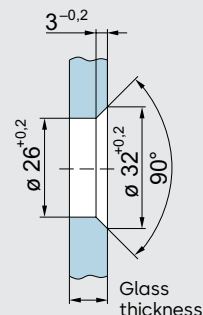
- Max. door panel height 2,500 mm
- Max. door panel width 1,200 mm
- Max. door panel weight 80 kg

## Pivoting fitting short type with intermediate tube

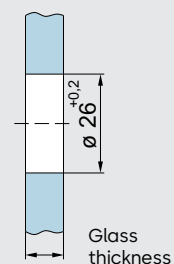
- Max. door panel height 2,500 mm
- Max. door panel width 1,200 mm
- Max. door panel weight 80 kg



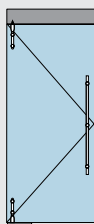
Countersunk bore for countersunk single-point fixings



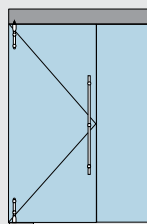
Cylindrical bore for clamping disc single-point fixings



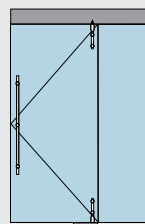
Pivoting doors set 1



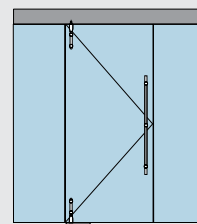
Construction 1 (1 set)



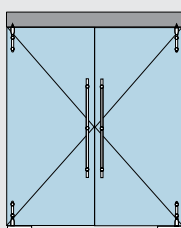
Construction 2 (1 set)



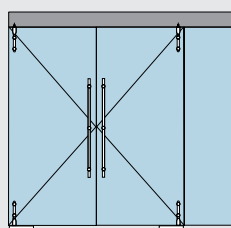
Construction 3 (1 set)



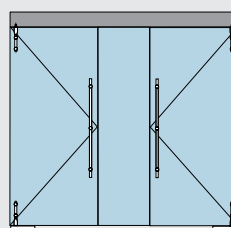
Construction 4 (1 set)



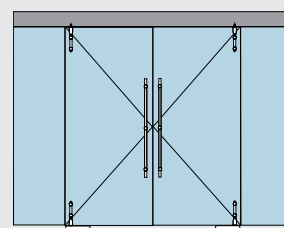
Construction 5 (2 sets)



Construction 6 (2 sets)

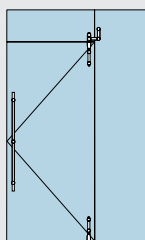


Construction 7 (2 sets)

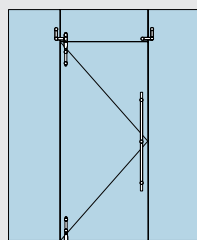


Construction 8 (2 sets)

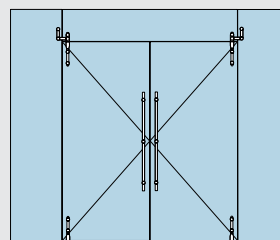
Pivoting doors with overpanel and sidelight set 3



Construction 13 (1 set)



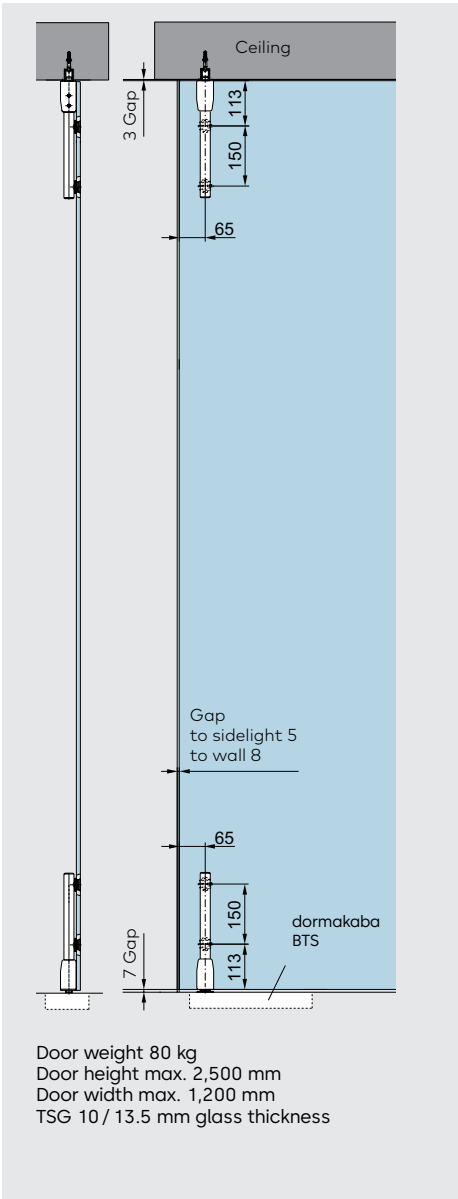
Construction 15 (1 set)



Construction 23 (2 sets)

# Set 1

Pivoting door MANET without overpanel for 10 – 13.5 mm glass



Product description	Part number
<b>Set 1</b> with pivot rod pair short type	
<b>Set 1 with single-point fixings countersunk</b> consisting of: pivot rod pair top/bottom, short type	829.910
including: 4 single-point fixings for pivot rods 1 pivot fitting top, 1 PT 25 pin, 15 mm Ø, with plug 1 pivot fitting bottom for dormakaba BTS/floor pivot	

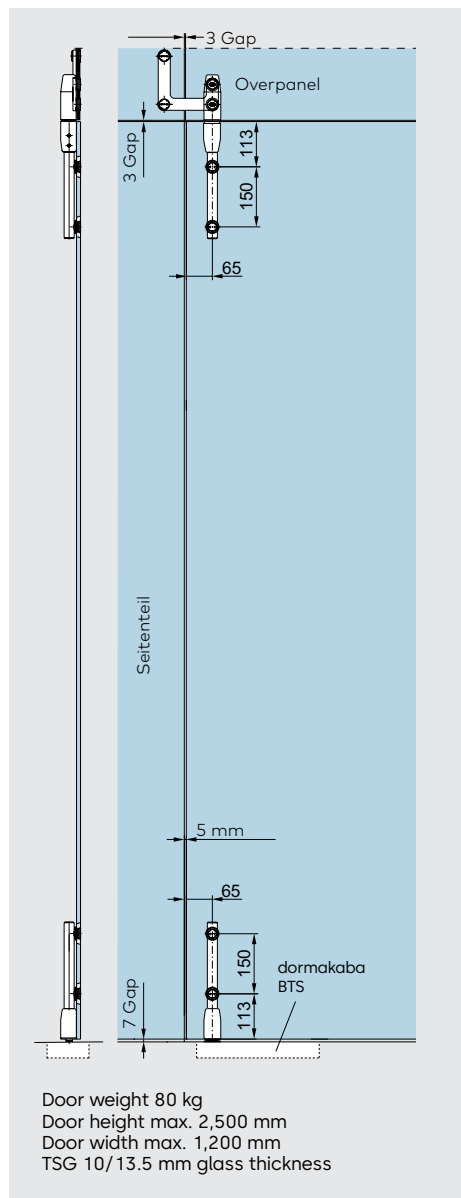
## Accessory options for Set 1

Pull handles	Length	Part number
Pull handles (single-point fixing countersunk)	350	829.268
	720	829.271
	1,240	829.274
	1,760	829.277
Pair of pull handles	350	821.267
	720	821.270
	1,240	821.273
	1,760	821.276
<b>Lock</b>		
Corner lock		821.448
Corner lock with rose on one lock side		821.449
Profile cylinder for corner lock 821.448/449		814.206
Eccentric bushing for corner lock 821.448/449		805.194
<b>Further accessories</b>		
Stop for pivoting door with ceiling mounting		821.334
Ceiling fixing (bearing function)		829.337
Floor pivot bearing		801.106
Assembling tool for MANET single-point fixings		821.134

For the requisite glass preparation please see pages 13.

# Set 3

Pivoting door MANET with overpanel for 10 – 13.5 mm glass



Product description	Part number
<b>Set 3</b> with pivot rod pair short type	829.914
<b>Set 3 with single-point fixings countersunk</b> consisting of: pivot rod pair top/bottom, short type	
einschließlich: 4 single-point fixings for pivot rods, 1 pivot fitting top, 1 overpanel-sidelight connector with pivot bearing location, 1 pivot fitting bottom for dormakaba BTS/floor pivot	

## Accessory options for Set 3

Pull handles	Length	Part number
Pull handles (single-point fixing countersunk)	350	829.268
	720	829.271
	1,240	829.274
	1,760	829.277
Pair of pull handles	350	821.267
	720	821.270
	1,240	821.273
	1,760	821.276
Ceiling fixing (bearing function)		829.337
Stop at overpanel, (inside/outside) for 10 / 13.5 mm glass		829.335
<b>Lock</b>		
Corner lock		821.448
Corner lock with rose on one lock side		821.449
Profile cylinder for corner lock 821.448/449		814.206
Eccentric bushing for corner lock 821.448/449		805.194
<b>Further accessories</b>		
Overpanel-sidelight connector for 10 / 13.5 mm glass		829.320
Floor pivot bearing		801.106
Assembling tool for MANET single-point fixings		821.134

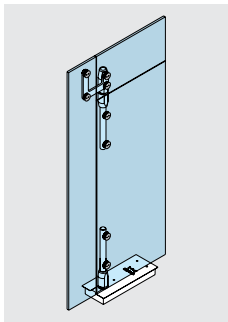
For the requisite glass preparation please see pages 13.

## Pivoting door system

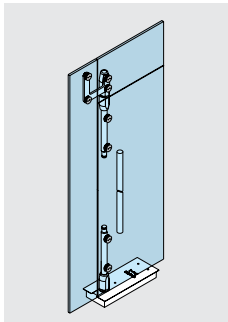
MANET pivoting doors can be installed in both glass partitions and masonry openings. They come as both single and double-action swing doors. All the single-point fixings are designed for clip-on covers for easier installation. Other components include the bottom pivot bearing, top pivot fittings with bearing spigot or eccentric bushing and also overpanel/sidelight connectors.

As a result, there are almost unlimited possibilities for integrating frameless swing doors both in masonry openings – with or without overpanels and sidelights – and in glass partition constructions retained by single-point fixings. Whether with a full-length pivot rod or a pair of shorter pivot rods, the top bearing socket is located in the fitting on the door leaf. This means that connection to the ceiling, lintel or transom can now be provided in the form of the standard PT25 top pivot spigot from the dormakaba range

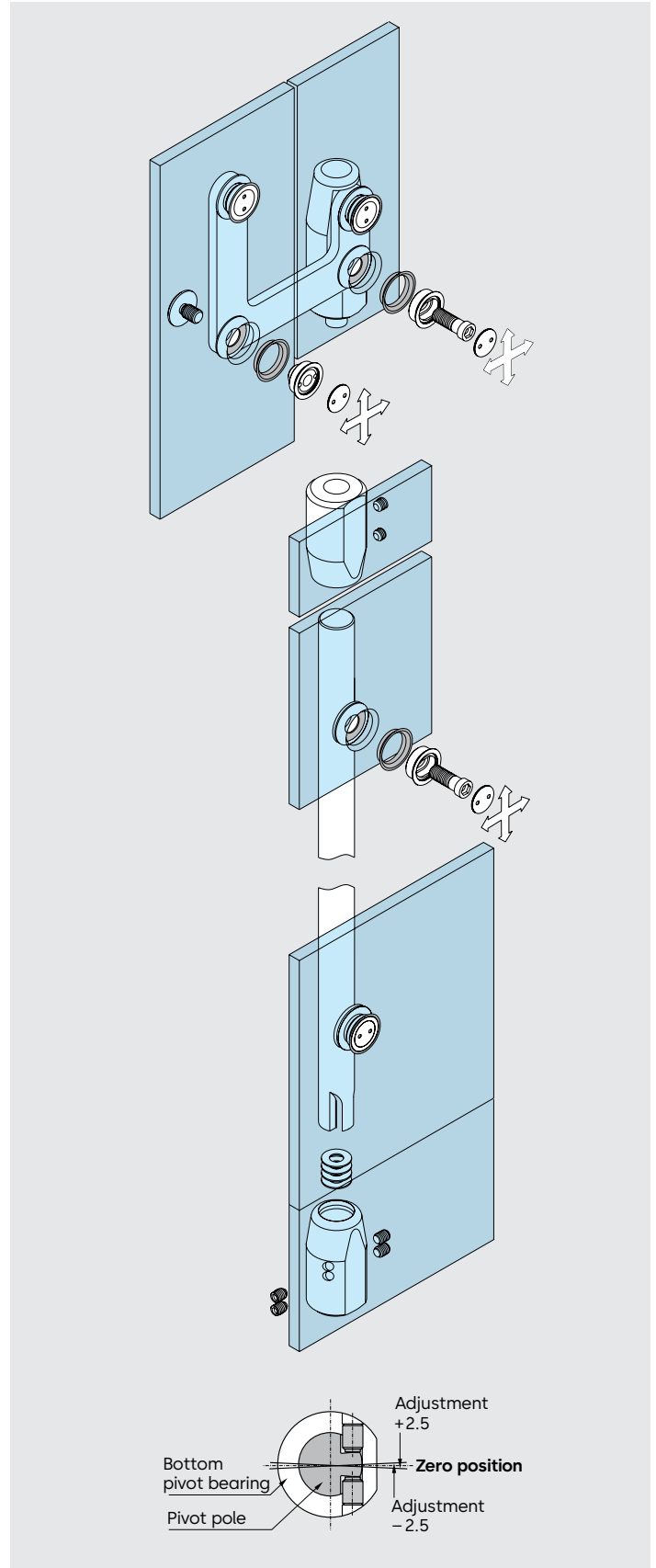
The door assemblies can be equipped with floor springs such as the dormakaba BTS 75V or BTS 84, and corner locks are naturally also available.



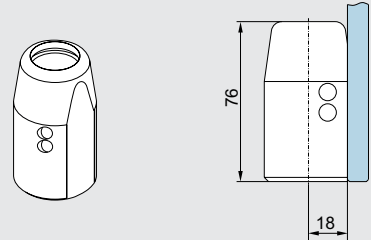
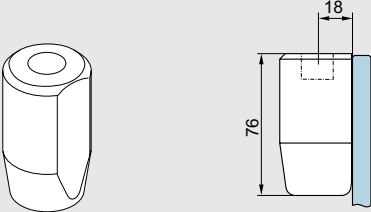
Pivot bearing with  
pivot rod pair short type,  
max. door panel height 2,500 mm  
max. door panel width 1,200 mm  
max. door panel weight 80 kg



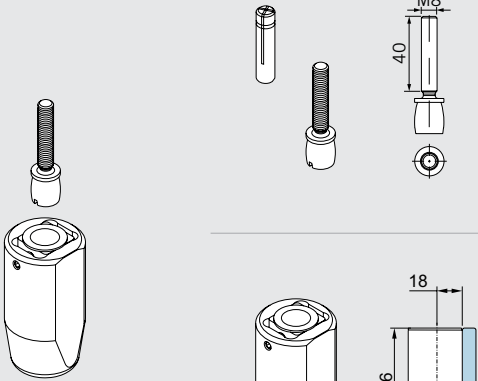
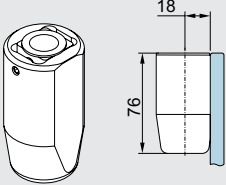
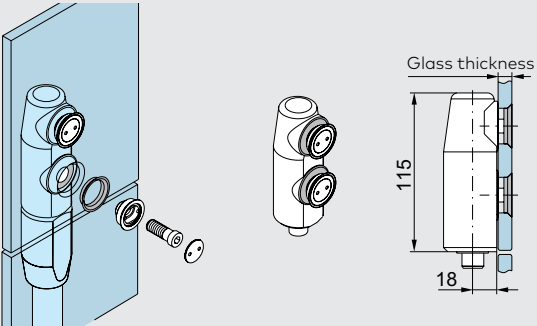
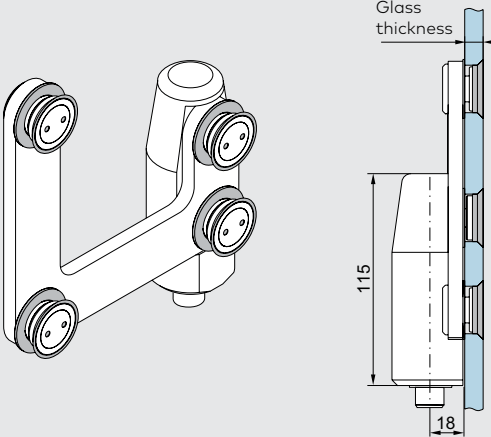
Pivot bearing with  
pivot rod pair short type with  
intermediate tube,  
max. door panel height 2,500 mm  
max. door panel width 1,200 mm  
max. door panel weight 80 kg



# Components for pivoting door system

	Product description	Glass thickness	Part number
	Single-point fixing, countersunk, fixed (1)	10, 13.5 mm	829.460
	Single-point fixing, countersunk, centering (2)	10, 13.5 mm	829.462
	<b>Pivot bearing</b> for dormakaba BTS (max. 4 EN) / floor pivot  AISI 316L		829.545
	<b>Pivot bearing for overpanel and ceiling connection</b>  AISI 316L		821.310

# Components for pivoting door system

	Product description	Glass thickness	Part number
	<b>PT 25 pin</b> for ceiling connection		801.115
	<b>Pivot bearing for installation to ceiling</b> adjustable	8 – 13.5 mm	821.319
	<b>Pivot bearing location for overpanel</b> countersunk	10-13.5 mm	829.333
	<b>Overpanel / sidelight connector</b> complete fitting countersunk	10, 13.5 mm	829.330



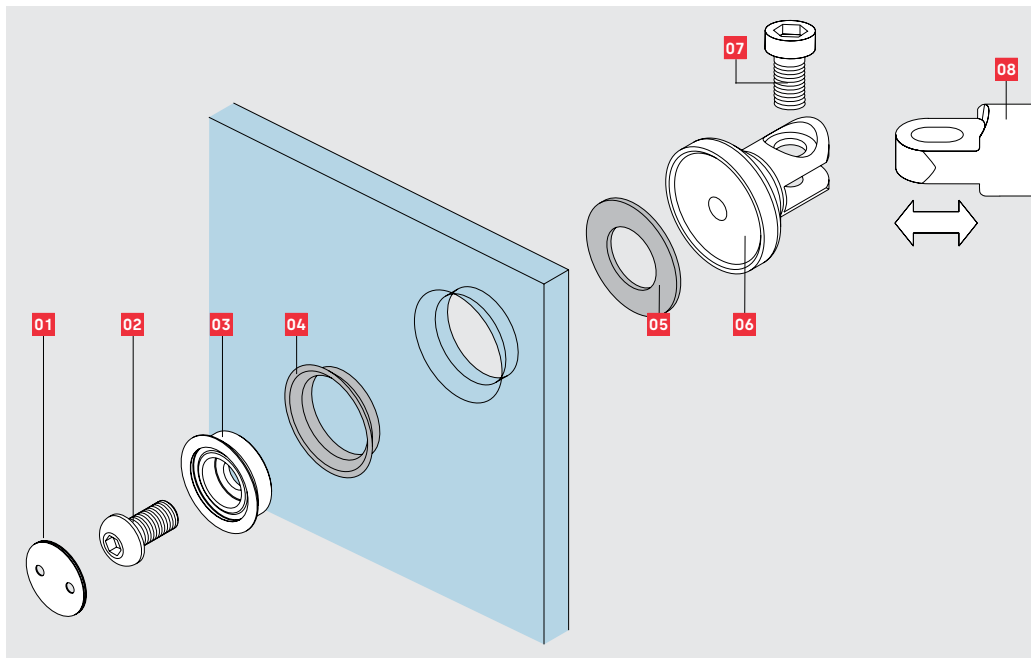
# Components for pivoting door system

## Glass fixing

	Product description	Glass thickness	Part number
	Overpanel / sidelight connection countersunk	10, 13.5 mm	829.320
	Stop for pivoting door with ceiling mounting		821.334
	Stop at overpanel (inside/outside)	10-13.5 mm	829.335

## Connection elements

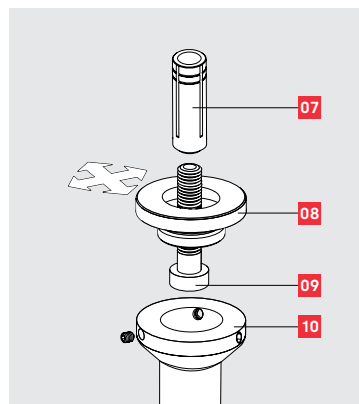
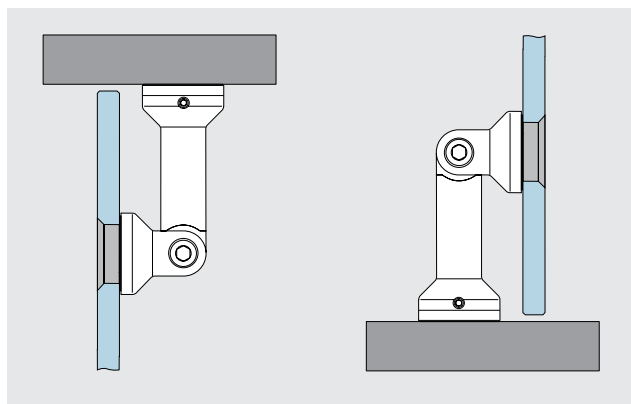
### Glass fixing



#### Components

- 01 Clip-on cover
- 02 Connecting bolt
- 03 Conical collar
- 04 Conical sleeve
- 05 Gasket
- 06 Pivoting clamp
- 07 Connecting bolt
- 08 Connecting rod to suit length

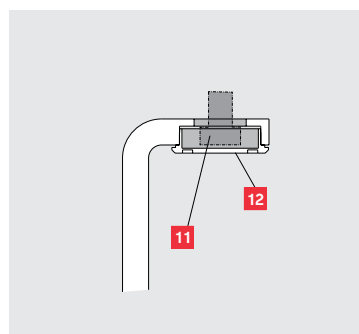
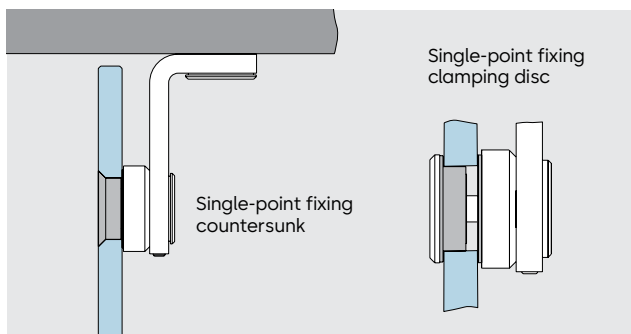
### Connection ceiling / floor



#### Components

- 07 Wallplug on site
- 08 Mounting plate, 2-dimensional adjustable
- 09 Threaded rod M8
- 10 Column

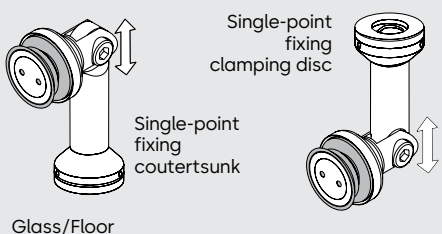
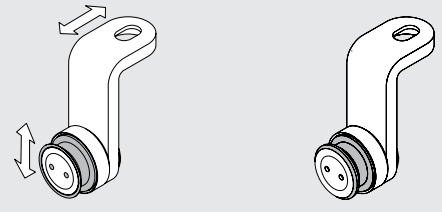
### Alternative connection ceiling



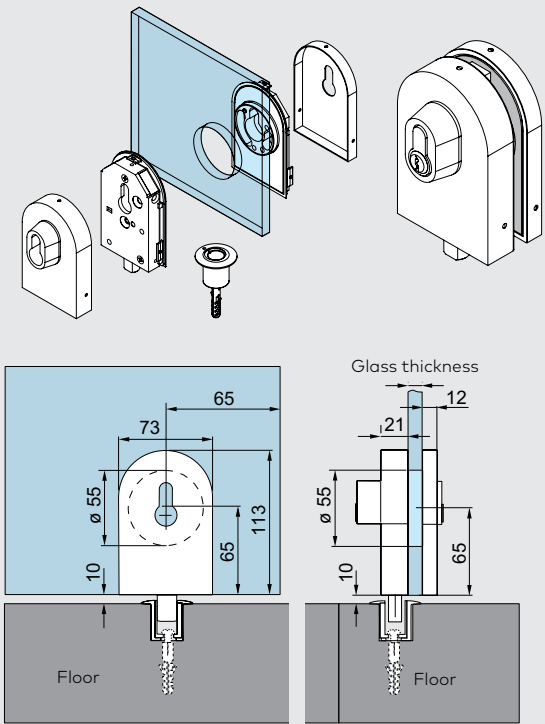
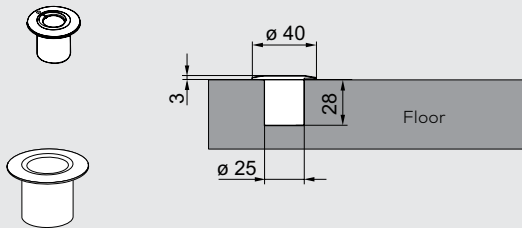
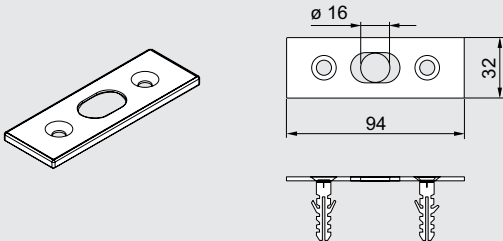
#### Components

- 11 Threaded rod M8  
DIN 7984 M10 x..., or  
oval-head wood screw  
DIN 7996 M8 x...
- 12 Clip-on cover

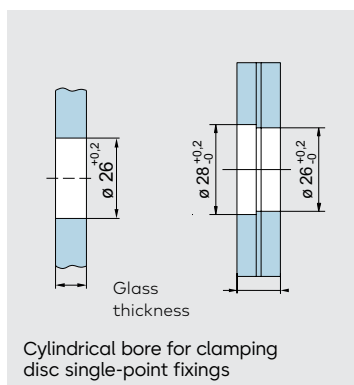
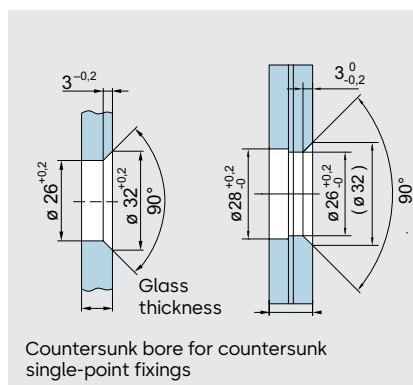
# Connection elements

	Product description	Glass thickness	Part number
 <p>Single-point fixing clamping disc</p> <p>Single-point fixing coutertsunk</p> <p>Glass/Floor</p>	<b>Complete fitting ceiling connection</b>	8 – 12 mm	829.145
 <p>Height adjustment by means of grub screw</p>	<b>Complete fitting Angle connection 90</b> (supporting function only)	8 – 12 mm	829.145

# Connection elements

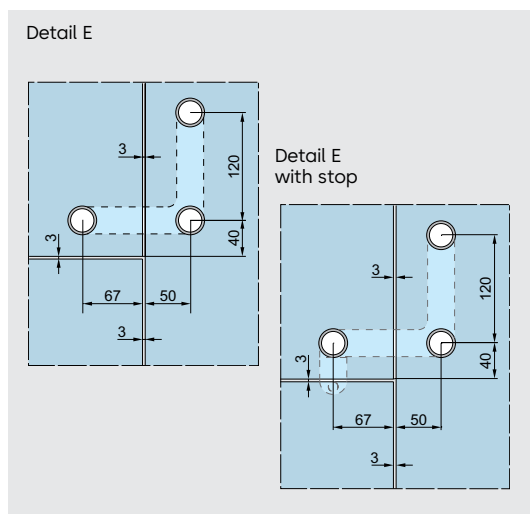
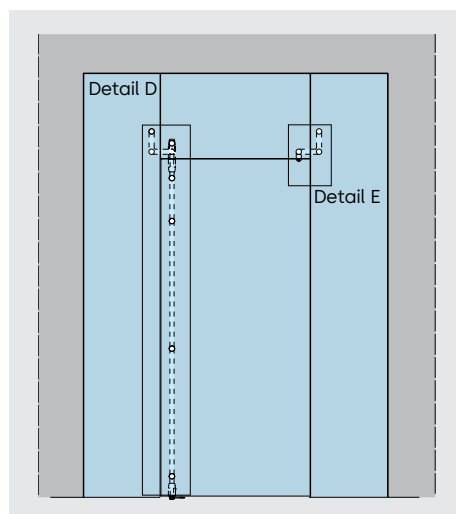
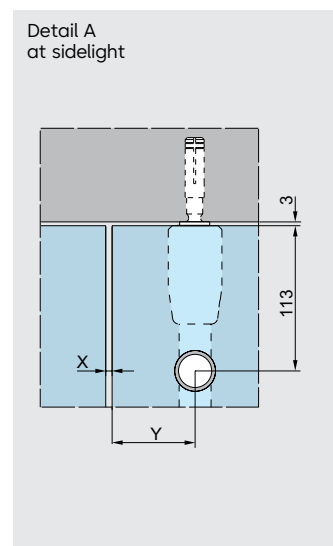
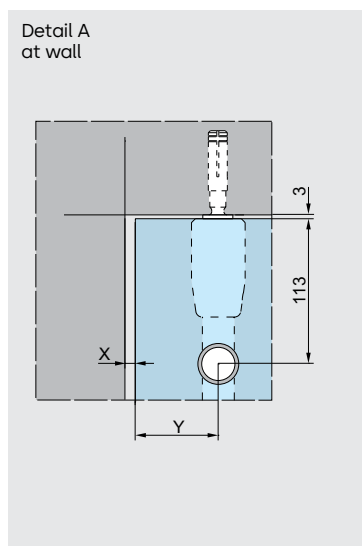
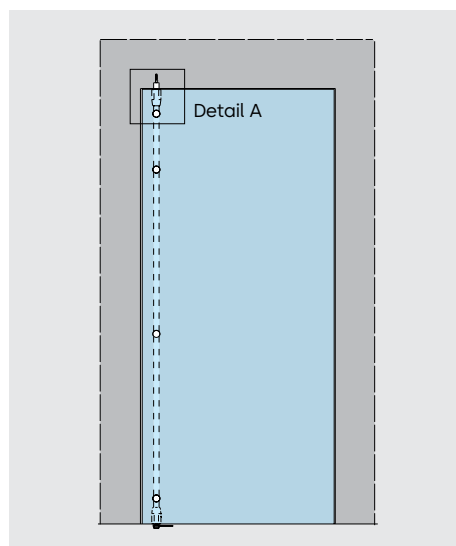
	Product description	Glass thickness	Part number
 <p><b>Corner lock</b> with profile cylinder rose on inside</p> <p><b>Profile cylinder</b> for corner lock</p> <p>Glass thickness</p> <p>Dimensions: 65, 73, 113, 65, 10, 55, 12, 21, 55, 10, 65</p> <p>Floor</p>		8 – 12 mm	821.449 814.206
 <p><b>Eccentric bushing</b> for corner lock</p> <p>Dimensions: 3, 28, 25, 40</p> <p>Floor</p>			805.194
 <p><b>Strike plate</b></p> <p>Dimensions: 16, 32, 94</p>			805.190

# Glass preparation pivoting door system



The gap and distance dimensions recommended by DORMA-Glas are indicated in the adjacent table.

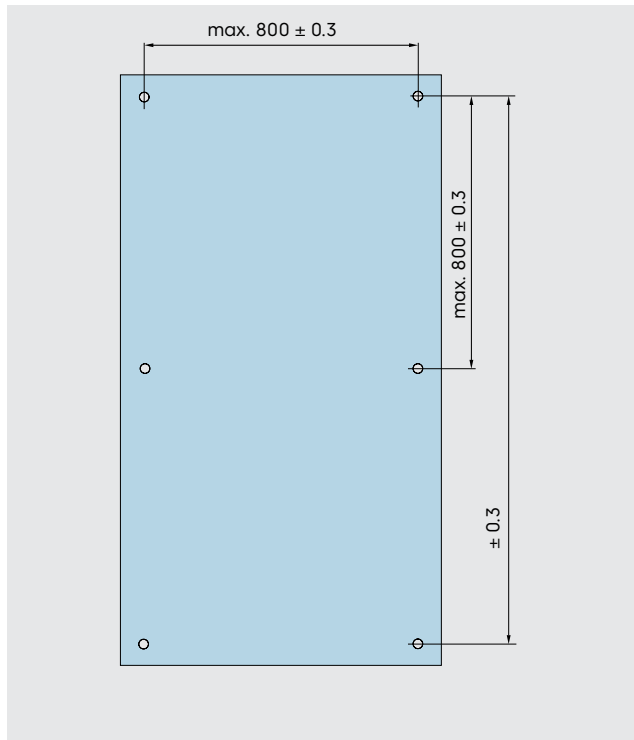
Glass thickness mm	Connection	X Gap	Y
10 / 12	Sidelight	5	65
	Wall	8	
13.5	Sidelight	8	62
	Wall	11	



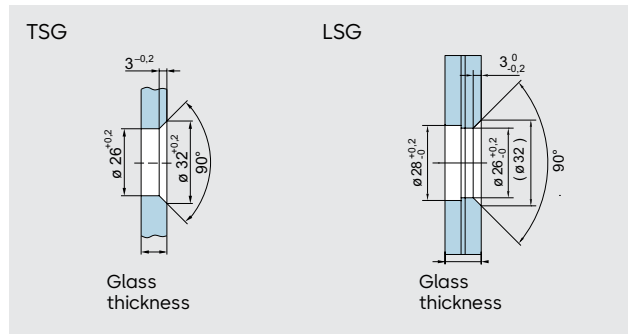
# Glass preparation connection system

For TSG and LSG from TSG.

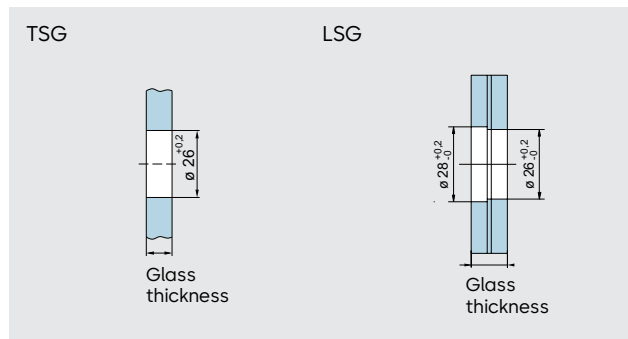
Recommended centers for fixed glazing element



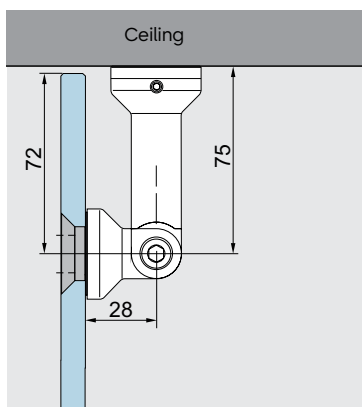
Countersunk bore for countersunk single-point fixings



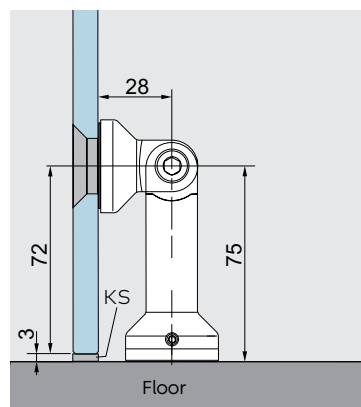
Cylindrical bore for clamping disc single-point fixings



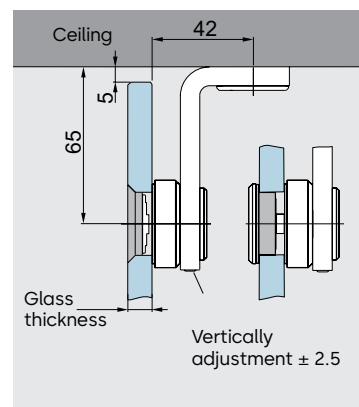
Corner connector glass / ceiling



Corner connector glass / floor



Ceiling fixing (bearing)



**Note:** Ensure compliance with minimum glass/bore clearances as per glass manufacturer recommendations. Glass preparation with a tolerance of max.  $\pm 0.3$  mm is recommended.

# Safety-related information

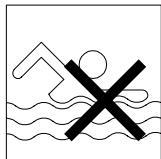
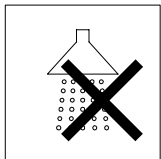
## Important safety-related information for the mounting and use of dormakaba glass fittings.

(Follow these instructions in addition to the mounting and operating instructions in order to avoid damage of product and damage to person or property.)

**Important:** All users have to be informed about relevant points mentioned in these safety-related information and the mounting and operating instructions!

### General information

1. dormakaba recommends the use of TSG-H (heat-stored tempered safety glass) according to DIN EN 12150-1.
2. dormakaba glass fittings are not suitable for outdoor installation.
3. dormakaba glass fittings are not suitable for rooms where chemicals (e.g. chlorine) are used, e.g. swimming pools, saunas and brine baths.



4. Sliding panels must not be moved faster than at walking speed and must be stopped by hand before reaching the end position.
5. Pivoting panels must not be thrown too hard. If there is a risk of over-turning, this must be prevented by a door stop.

### Mounting

1. Only properly qualified and specially trained staff is authorized to mount dormakaba glass fittings.
2. Never use glass with conchoidal fractures and/or damaged edges.
3. Due to crushing hazards – among others in the area of the secondary closing edge – and possible injury caused by breakage of glass during mounting, corresponding protective clothing (especially gloves and protective goggles) is required.
4. Clean clamping area with fat solvent (standard commercial cleaning agent) before mounting the glass fitting.

5. Never use clamping shoes on structured glass surfaces (except on satin glass) or glass of heavily varying thickness unless with a corresponding levelling layer.
6. Never use clamping shoes on self-cleaning coatings.
7. When adjusting glass elements, always stick to the required clearance for the respective fitting. Adjust clearance so that the glass does not touch hard components such as glass, metal or concrete.
8. Make sure not to use excessive force when installing the glass (avoid local stress resulting from very tight screws).

### Maintenance

Check fittings at regular intervals for proper positioning and smooth running and door for correct adjustment. Especially highly-frequented door systems require inspection by properly qualified staff (specialized companies or installation firms). Immediately replace damaged glass elements (no glass flaking and/or conchoidal fractures)!

### General care instructions

The surface finishes of the fittings are not maintenance-free and should be cleaned according to their material and design.

- For metallic surfaces (anodized finishes, stainless steel), please use appropriate cleaning agents without abrasive additives only.
- For varnished surfaces please use appropriate solvent-free cleaning agents only.
- Brass surfaces (without surface protection) have to be treated with an appropriate maintenance agent on occasion, to avoid tarnishing.

The printed colors indicating the surface finishes are not 100% true, but do provide a useful guide.

Statements made with regard to the nature or use of the products are for the purposes of descriptions. Assent with regard to the existence of particular properties or particular uses always requires special written agreement. Pictures may show special designs which are different to the standard scope of delivery.

Subject to change without notice.

IGS\_1788\_BR\_EN CEI 0525  
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