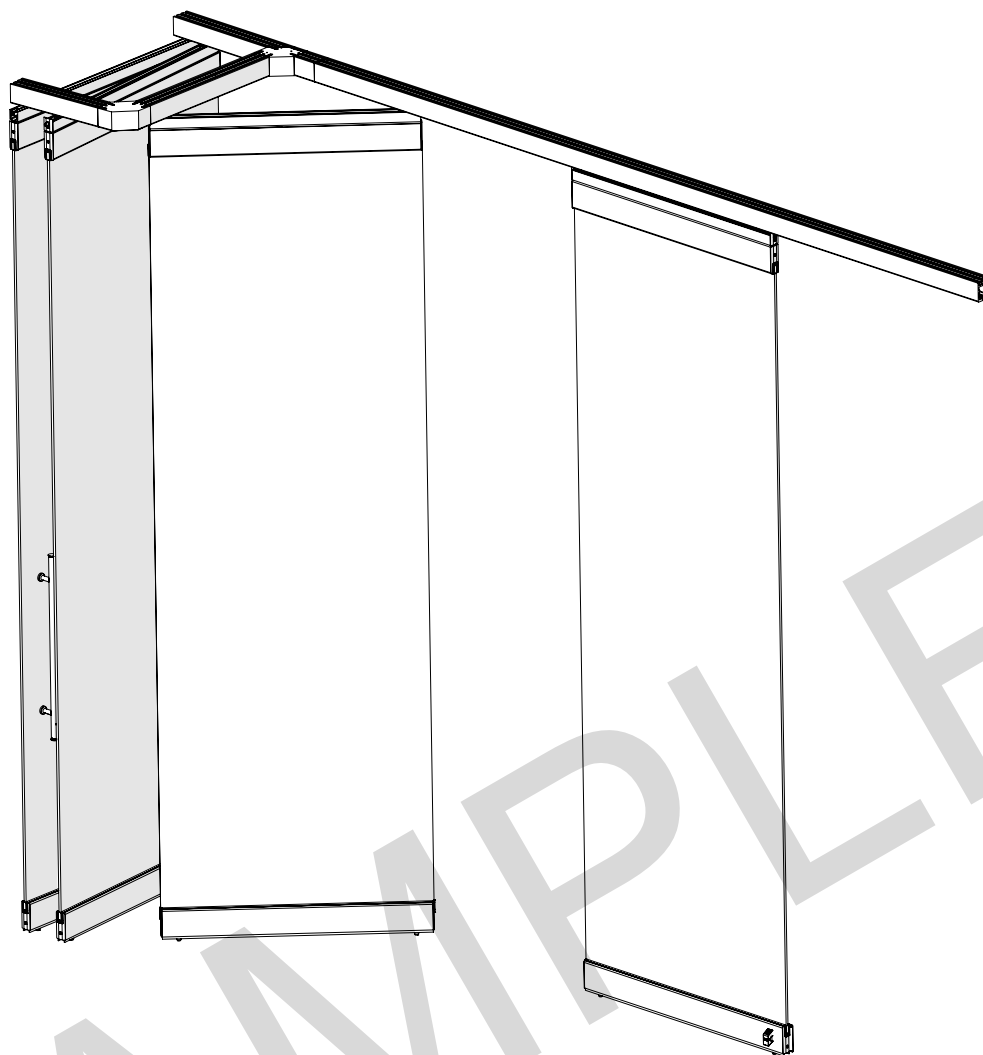




Sliding Glass Walls

Installation instructions

– 05-2019

| EN |

Table of contents

1	Technical specifications	3		
1.1	Overview	3	4.2	Preparing the sliding panel (with tempered laminated glass only) 25
1.1.1	General information	3	4.3	Install sliding panel onto rollers and adjust door height 26
1.1.2	Intended use	3	4.4	Install gasket and top cover 27
1.1.3	Glass requirements/fittings/mounting	3		
1.1.4	Requirements for glass panel	3	5	Installation instructions - Double-action sliding panel with ITS96 28
1.1.5	Safety instructions	3	5.1	Preparing the DA sliding panel (with monolithic glass) 28
1.1.6	Symbols used - Safety/Installation	3	5.2	Preparing the DA sliding panel (with tempered laminated glass only) 29
1.1.7	Maintenance, care, repair	3	5.3	Installing three piece lock 30
1.1.8	Disposal	3	5.4	Prep for installing two piece lock (when required) 31
1.2	Specification - technical data	4	5.5	Install top cover and carrier profile gaskets 31
1.3	Tempered laminate glass (TLG) and adhesive specifications	4	5.6	Installing three piece lock (continued) 32
1.4	Tools required	4	5.7	Install two piece lock (continued) 33
1.5	Installation options/Overall top of door components	5	5.8	Installing DA sliding panels onto rollers and adjust door height 34
1.6	Installation options/Bottom of door components	6	5.9	Secure three piece lock to track 35
1.7	Installation options/Bottom of door components (continued)	7	5.10	Secure two piece lock to track 36
2	Installation instructions - Prepare track	8	5.11	Closer adjustment 37
2.1	Determine the track arrangement	8	5.12	Hold open (optional) and spring force adjustment 38
2.2	Install single-action pivoting end panel retaining clip	9	6	Installation instructions - Fixed panel door 39
2.3	Install door track stop in stacking area	10	6.1	Preparing the fixed panel door (with monolithic glass only) 39
2.4	Installing the track	11	6.2	Preparing the fixed panel door (with tempered laminated glass only) 40
2.5	Installing upper pivot block	12	6.3	Installing the fixed panel holders 41
2.6	Install rollers in track	13	6.4	Installing the saddle and fixed panel door 42
2.7	Install revision piece	14	6.5	Adjusting and securing fixed panel door 43
2.8	Prepare the roller pattern in the track	15	6.6	Install gasket and top cover 44
3	Installation instructions - DA & SA pivoting end panel 16	16	7	Installation instructions - Alignment, covers, end caps, miscellaneous 45
3.1	Preparing the DA & SA pivoting end panel (with monolithic glass only)	16	7.1	Aligning panels into stacking area 45
3.2	Preparing the DA & SA pivoting end panel (with tempered laminated glass only)	17	7.2	Aligning panels side by side in straight run 46
3.3	Preparing the upper pivot block	18	7.3	Secure carrier profile file connecting inserts and end caps 47
3.4	Install floor pivot or floor closer	19	7.4	Drilling for ES locking bolt strike 48
3.5	Install pivot into end panel carrier profile	20	7.5	Secure bottom rail covers and rail lock preparation 49
3.6	Install top cover gasket	21	7.6	Installing the brush 50
3.7	Installing top covers	21	7.7	Selecting the proper end cap 51
3.8	Install DA & SA pivoting end panel into track	22	7.8	Secure the end caps 52
3.9	Secure end panel in track	23		
4	Installation instructions - Sliding panel 24	24		
4.1	Preparing the sliding panel (with monolithic glass only)	24		

1 Technical specifications

1.1 Overview

These instructions are for installation of Sliding Wall Systems for the following mounting and style versions:

1. Ceiling mount

1.1.1 General information

- requires use of tempered laminated or tempered monolithic glass.
- dormakaba glass hardware is not suitable for harsh environment; for example, applications where chemicals (e.g. chlorine) are used such as indoor swimming pools, saunas, or salt-water pools.
- Never move sliding panels faster than walking speed and always stop the door manually before it reaches end position.
- Do not slide doors with excessive force. Ensure proper installation of limiting stop to prevent door from opening too far.
- Do not swing doors with excessive force. Recommended install of limiting stop to prevent door from opening too far.

1.1.2 Intended use

- For sliding doors in wet or dry indoor areas only.
- For manual slow opening and closing only.

1.1.3 Glass requirements/fittings/mounting

- The structural support must be able to bear permanent loads. Track must be level to 1/8" [3] over 10' [3048] non-cumulative. Maximum deflection $\pm 1/8"$ [± 3] over 10' [3048] non-cumulative. Finished floor must be level to within $\pm 1/8"$ [± 3] over 10' [3048] non-cumulative.
- Fasteners must be sufficiently dimensioned for the substructure/wall and weight of the door.
- When adjusting glass components, always stick to the required clearance for the respective hardware. Adjust clearance so glass does not come in contact with any hard surfaces such as glass, metal or concrete.
- Do not use excessive force when installing the glass (avoid over tightening screws.)

1.1.4 Requirements for glass panel

- requires use of fully tempered glass, which complies with ASTM C 1036 and ASTM C 1048. Secondary heat soaking processes are recommended but not required. This applies to both tempered monolithic and tempered laminated glass.
- Clamping area must be flat and uncoated (no self-cleaning coating!)
- Never use glass with conchoidal fractures and/or damaged edges.

1.1.5 Safety instructions

- Installation requires two people.
- Always wear protective clothing.

- Only properly qualified and specially trained staff are authorized to mount dormakaba glass hardware.
- Due to crushing hazards and possible injury caused by breakage of glass during mounting, corresponding protective clothing (especially gloves and protective goggles) is required.
- Never clamp metal fitting hardware directly to glass surface.

1.1.6 Symbols used - Safety/Installation



CAUTION

Mounting components must meet the requirements of substructure/wall and door weight. Please read the technical information for fittings.



WARNING

Risk of breaking glass. When installing the door, support the door panel with a block of wood or similar object.



WARNING

Risk of pinching. When sliding the panels ensure hands and body parts are free from between the closing edges.



TIPS AND RECOMMENDATIONS



CLOSING EDGE OF DOOR

1.1.7 Maintenance, care, repair

- Immediately replace damaged parts.
- Always use original dormakaba parts.
- Clean clamping area with alcohol-based standard commercial cleaning agent before mounting the glass hardware.
- Use a damp cloth for occasional cleaning.
- Always use silicone - and oil-free cleaners (e.g. acetone).
- Check glass hardware at regular intervals for proper positioning, smooth operation and correct adjustment.
- High traffic door systems require inspection by properly trained or qualified staff (specialized companies or installation firms.)

1.1.8 Disposal

Disposal in accordance with local, state and national regulations.

1.2 Specification - technical data

		Pivoting end panel	Sliding panel	Double action sliding panel	Fixed panel
Ceiling mount	Maximum door leaf weight lbs [kg] *	≤ 330 lbs [≤ 150]	≤ 330 lbs [≤ 150]	≤ 264 lbs [≤ 120]	≤ 330 lbs [≤ 150]

* Including weight of auxiliary hardware.

1.3 Tempered laminate glass (TLG) and adhesive specifications

Required parts for laminate glass (not included)	Part Number	Quantity	Usage recommendation
3M™ Scotch-Weld™ Urethane Adhesive, DP 605 NS	934.800	1 tube	1 tube per 4 roller carriers
3M™ Scotch-Weld™ EPX™ Plus II Applicator with 1:1 Plunger ¹	934.801	1 applicator	1:1 plunger with 934.800 adhesive
3M™ Scotch-Weld™ EPX™ Plus II Mixing Square Nozzle, 5.3mm ²	934.805	Pk of 4	4 nozzles per 1 tube of adhesive
Handling time frame	Function	Time	
	Working life (<i>time between application and clamping of carrier</i>)	5 minutes @ 75°F	
	Handling strength	20 minutes @ 73°F or more	
	Full cure time (<i>normal door usage not recommended until full cure time has been met</i>)	48 hours @ 73°F or more	

NOTE: Door glass should not be installed until the full cure time has been reached (see chart above).

- 1.1 Clean clamping area with alcohol-based standard commercial cleaning agent before mounting the glass hardware.

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

- 1.2 Never clamp metal fitting hardware directly to glass surface.
- 1.3 Never use clamping products on surfaces with self-cleaning coatings.

1.4 Tools required

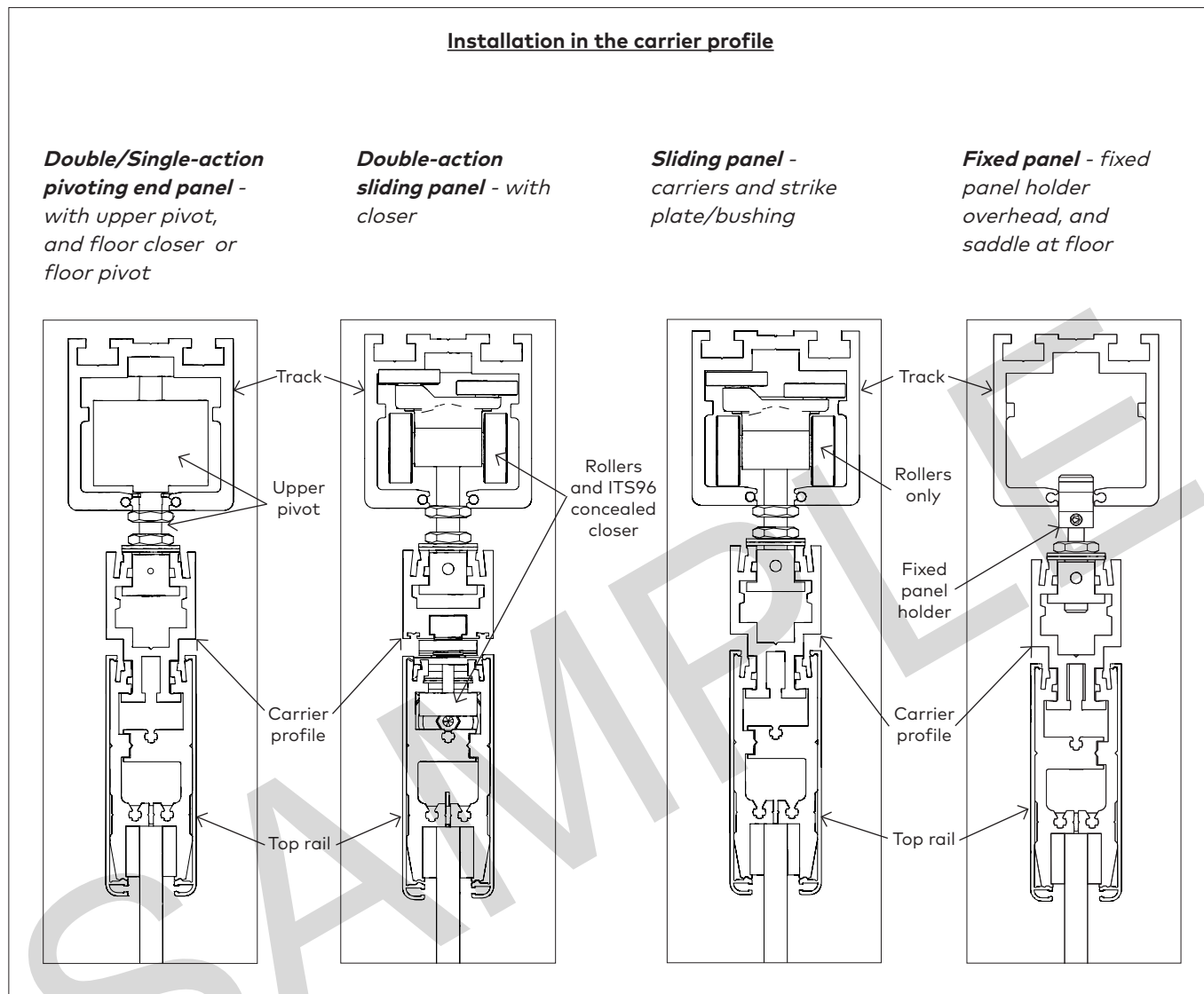
Tools required	
Rubber mallet	Pliers
Plumb bob	Wrench: 8mm, 15mm, 17mm
Drill	Hex key: 3mm, 5mm, 6mm
Ø 25 mm hole saw	Torque wrench
Ø 40 mm hole saw	Cross head screw driver
Ø 8 mm drill bit	Flat head screw driver
Tape measure	Setting blocks
Laser level	

¹ Scotch-Weld™ EPX™ Plus II Applicator with 1:1 Plunger is a trademark of 3M.

² Scotch-Weld™ EPX™ Plus II Mixing Square Nozzle is a trademark of 3M.

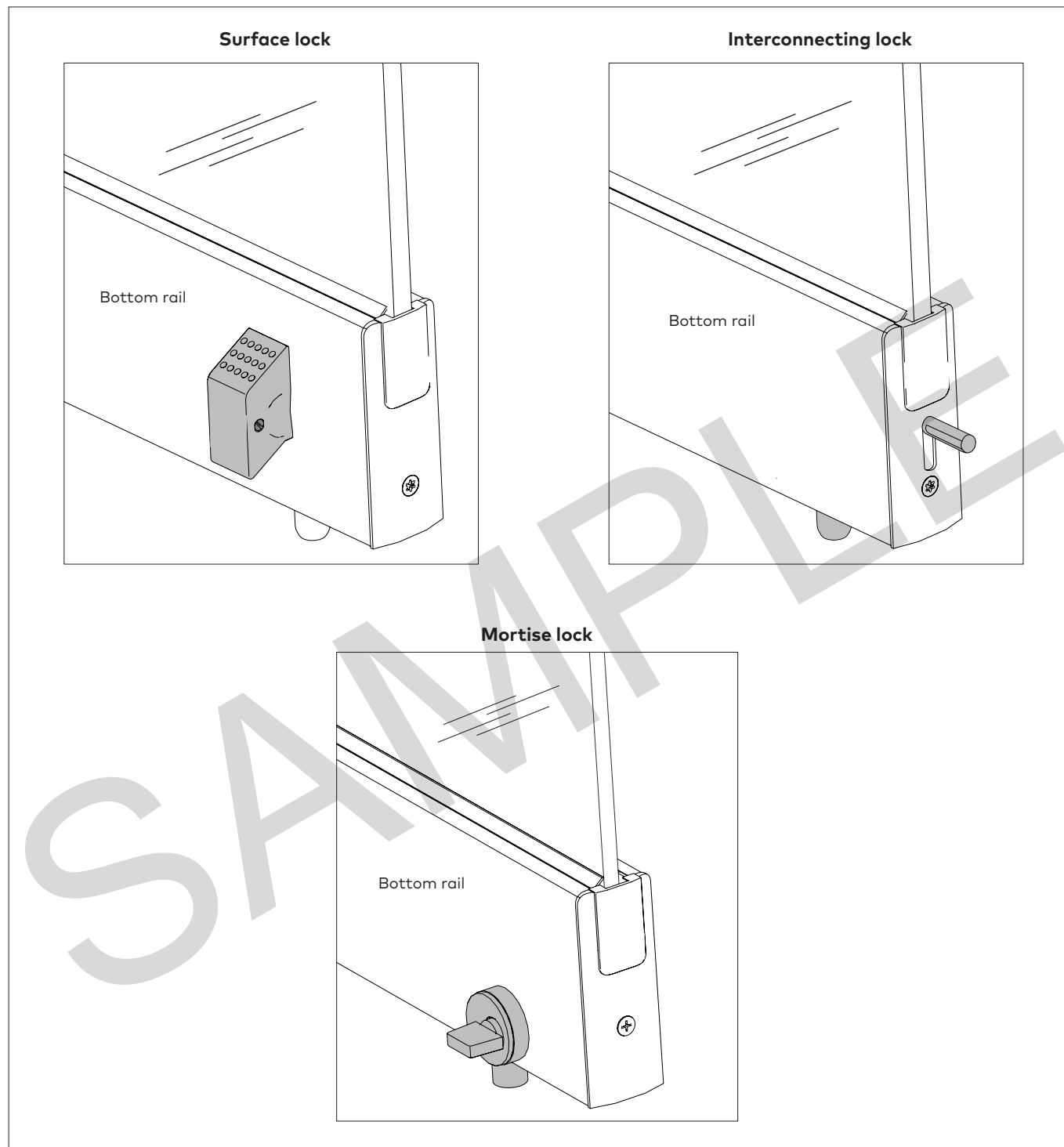
1.5 Installation options/Overall top of door components

Fig 1



1.7 Installation options/Bottom of door components (continued)

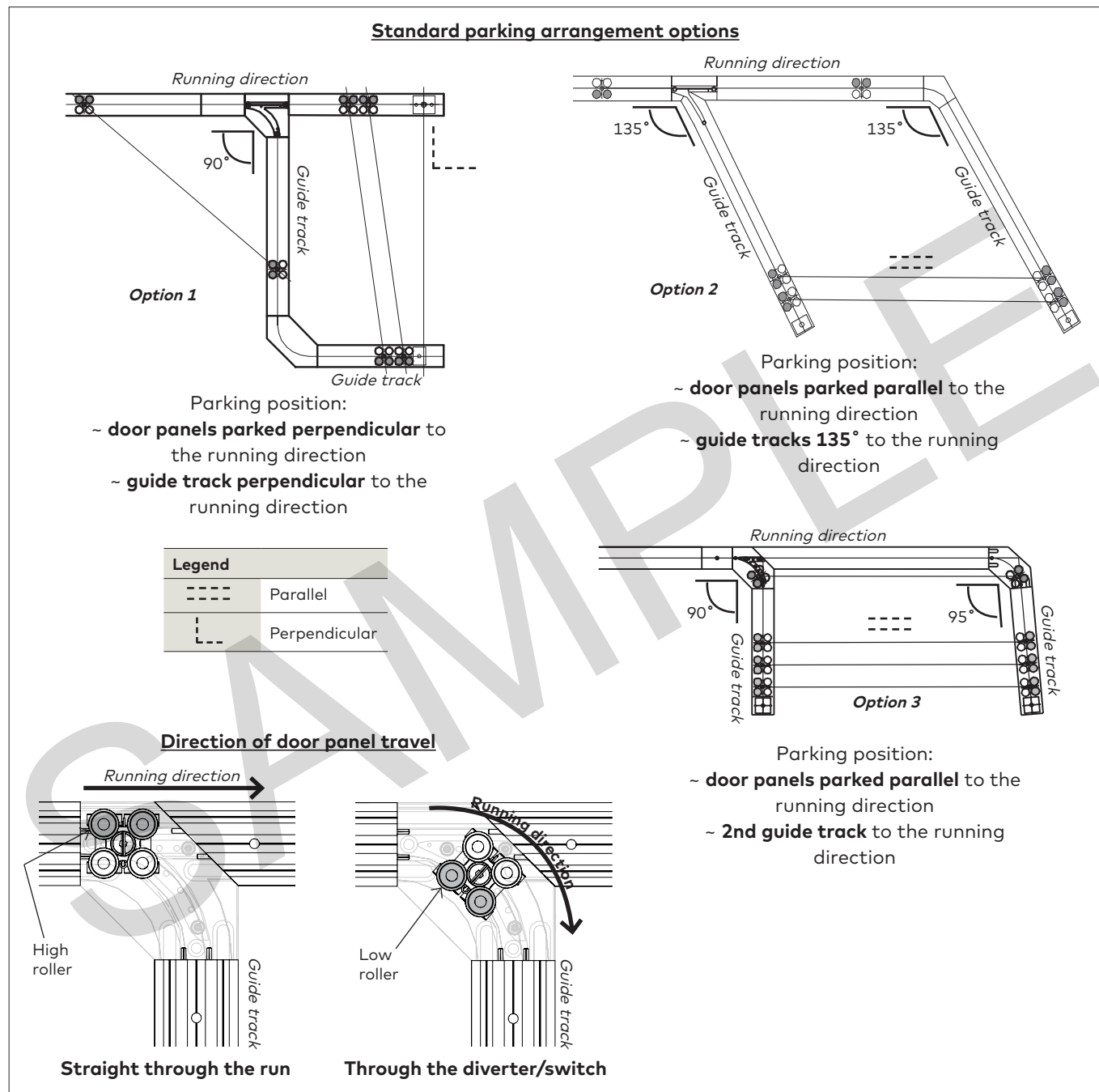
Fig 3



2 Installation instructions - Prepare track

2.1 Determine the track arrangement

Fig 4

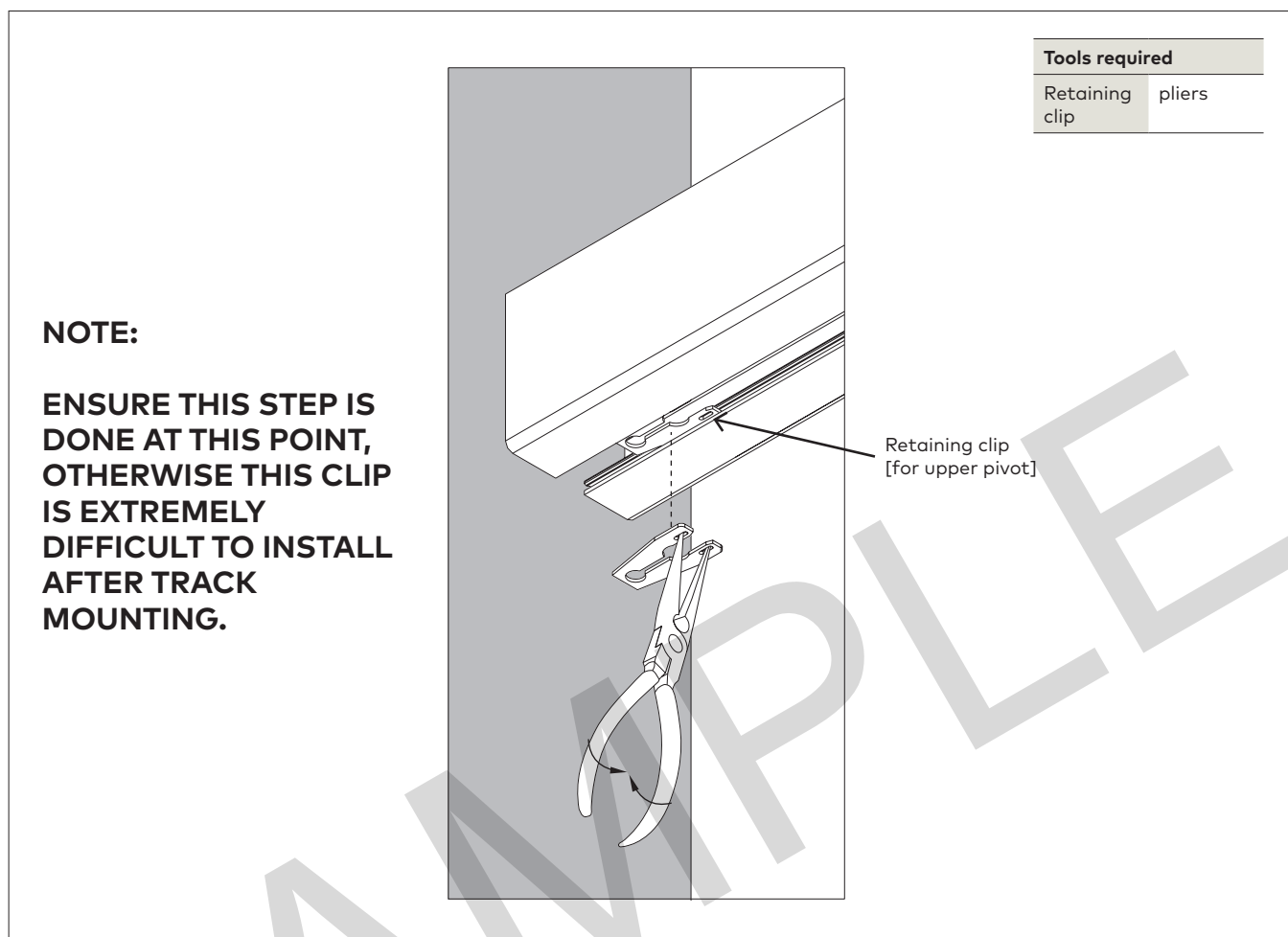


- 2.1.1 FIRST determine the following:
- parking arrangement of the door panels
 - location of the corner track (see step 2.4)
 - location of the revision piece (see step 2.4)

- 2.1.2 Note direction which doors will travel:
- Straight through the run
 - Through the diverter/switch

2.2 Install single-action pivoting end panel retaining clip

Fig 5



- 2.2.1 Insert retaining clip [for upper pivot] into [end of] track using pliers **prior** to mounting track to ceiling surface.

Fig 6

Hex key size

Door stop 6mm

Running direction

135°

135°

Stacking area

Guide track

Guide track

Slide door stop up into open section of track.

Slide door stop up into open section of track.

Door stop

Door stop

- | | | | |
|-------|---|-------|--------------------------------|
| 2.3.1 | Slide door stop into open section of track. | 2.3.3 | Secure with included fastener. |
| 2.3.2 | Slide back into stacking area on opposite side of swing door pivot. | | |