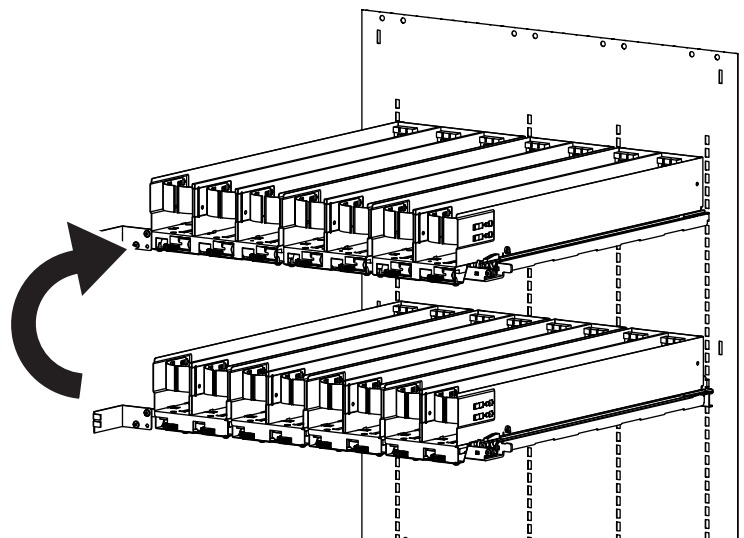
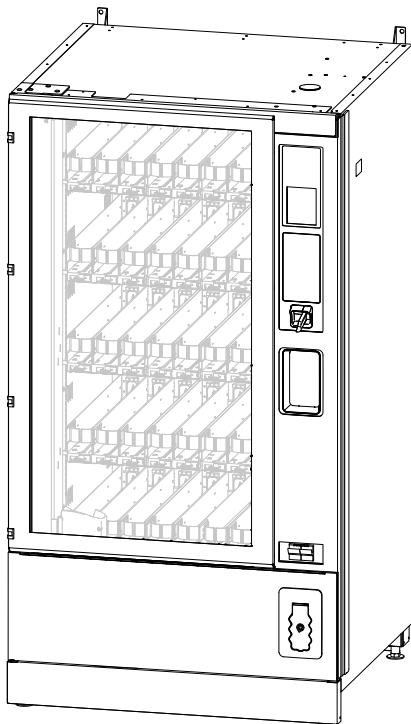




Installation instructions

SiLine GF M - Replacing drawers
(switching from 63 mm to 74-mm-wide drawers)



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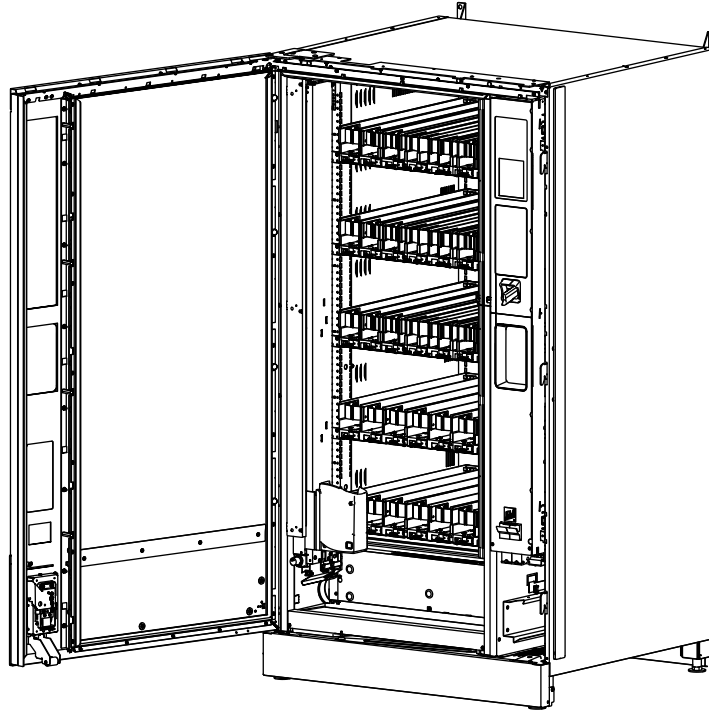
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1. General information

1.1 Introduction

These instructions describe how to convert a SiLine GF vending machine. This involves changing the layout of the vending machine from 7 shelves, each with 8 drawers (63 mm wide), to **5 shelves** each with **7 drawers** (74 mm wide).



1.2 Who this document is intended for

This document is intended for trained personnel and service engineers. It is assumed that the target group has been trained in working on the vending machine.

1.3 Safety information

Conversion measures

- There may be sharp edges and corners inside the vending machine. Wear protective gloves when working on the vending machine.
- Only trained service technicians are permitted to use the service key. A protective device is bypassed when the service key is inserted. Risk of injury!
- Only use original spare parts.
- Only use products approved by SIELAFF.
- Any unauthorised modification or conversion of the vending machine is prohibited. SIELAFF excludes all claims caused by failing to follow the aforementioned instructions.

Requirements for conversion measures, maintenance and repairs

- Before starting any work on the vending machine, disconnect the mains plug from the power supply. Position the mains plug in such a way that it can be monitored during the work to ensure that no one plugs it back in by accident.

1.4 Explanation of signs and symbols

This beverage dispenser has been manufactured in line with current technological standards. Nevertheless, even the most expertly designed vending machine cannot be entirely without risks.

Additional safety information is provided to ensure sufficient safety for the operator. This is indicated as described below.

Adequate safety can only be ensured during operation, maintenance, repair and conversion if these safety precautions are observed.

Text passages labelled with the following symbols have different meanings:

**DANGER**

Indicates immediate danger that could result in death or severe injury.

**WARNING**

Indicates a possibly dangerous situation that could result in death or severe injury.

**CAUTION**

Indicates a dangerous situation that could result in minor injury or damage to the vending machine.

**NOTE**

Note that should be observed to avoid damaging the vending machine.

**TIP**

Information to facilitate handling and use of the vending machine.

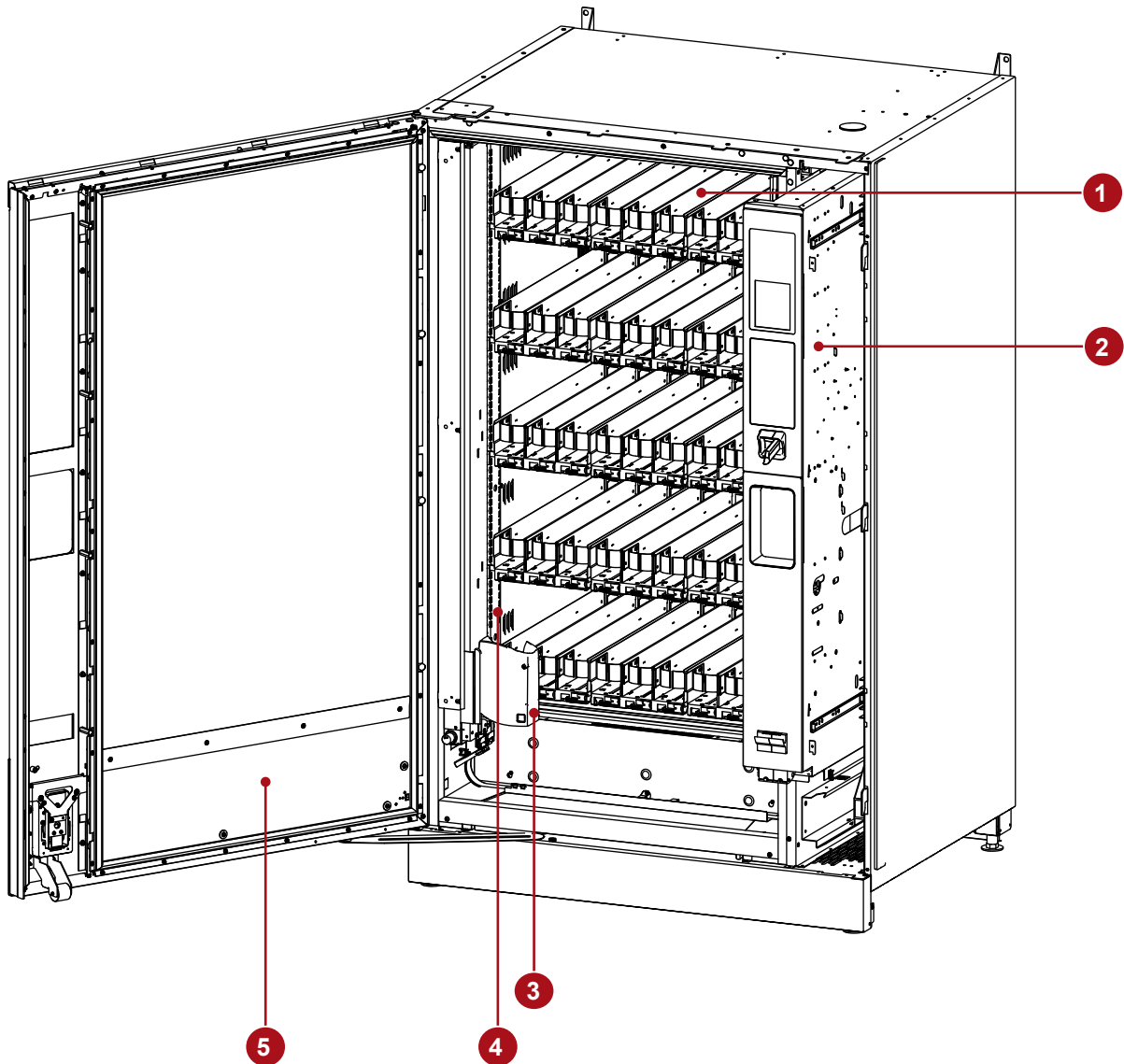
The following danger symbols are also used in some places:

**WARNING! Electrical energy. Danger to life!**

This symbol warns technicians that electrically live components are installed in this area. Covers marked with this symbol may only be removed by a qualified electrician.

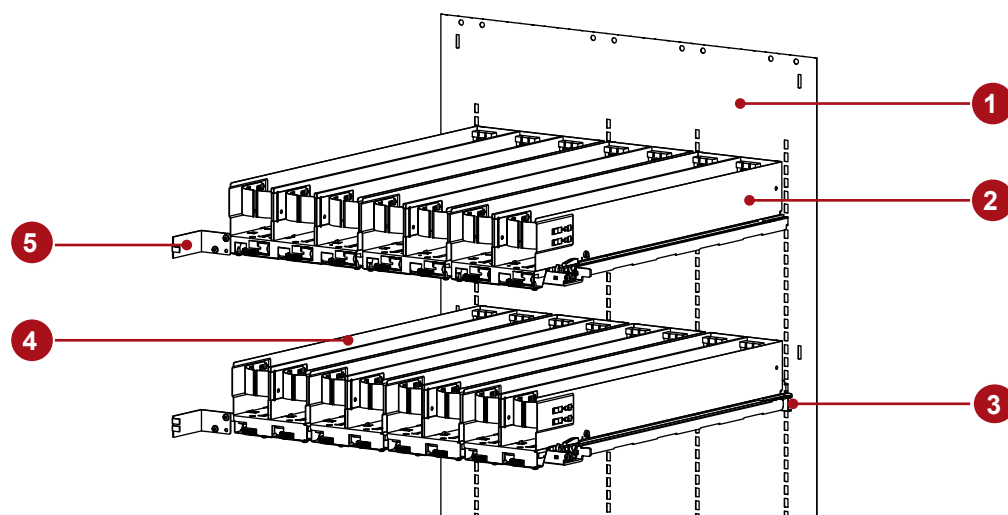
2. Vending machine diagram

2.1 External view



- 1 Drawer
- 2 Telescopic slide-out unit
- 3 Product basket on lift arm
- 4 Drawer support
- 5 Machine door

2.2 Drawers



- 1 Rear panel
- 2 Drawer, 74 mm wide
- 3 Rear cross strut
- 4 Drawer, 63 mm wide
- 5 Actuator bracket

3. Converting drawers

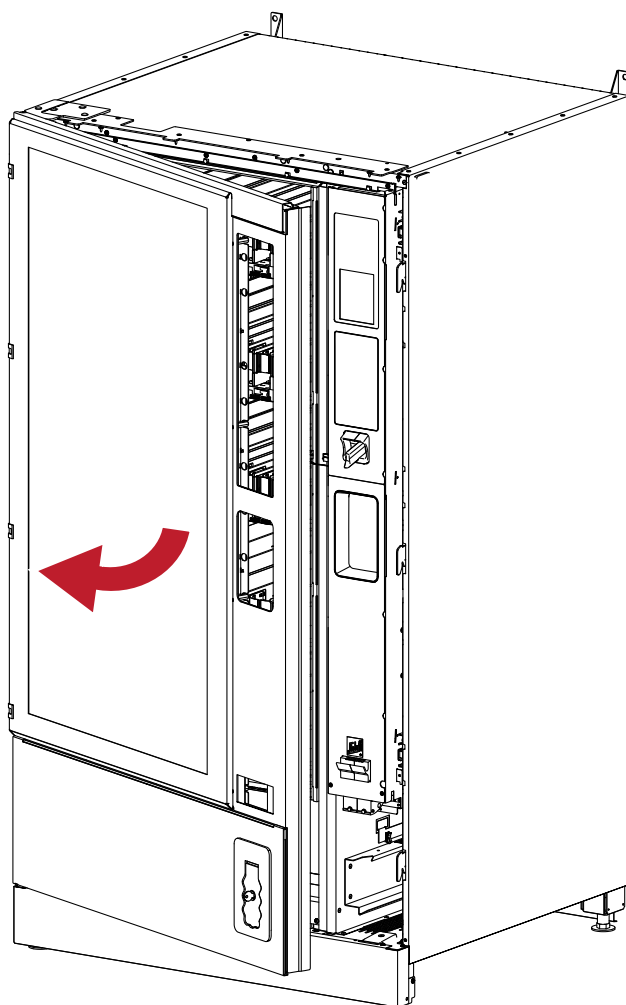
3.1 Preparation

**WARNING! Electrical energy. Danger to life!**

This symbol warns technicians that electrically live components are installed in this area. Covers marked with this symbol may only be removed by a qualified electrician.

Procedure

1. *Disconnect the vending machine from the power supply.*
 2. *Open the machine door.*
 3. *Empty all drawers.*
- ✓ The vending machine is ready for conversion.



3.2 Removing the drawers and guides

**TIP**

The lift arm can be moved to the left or right to make it easier to access the drawers.

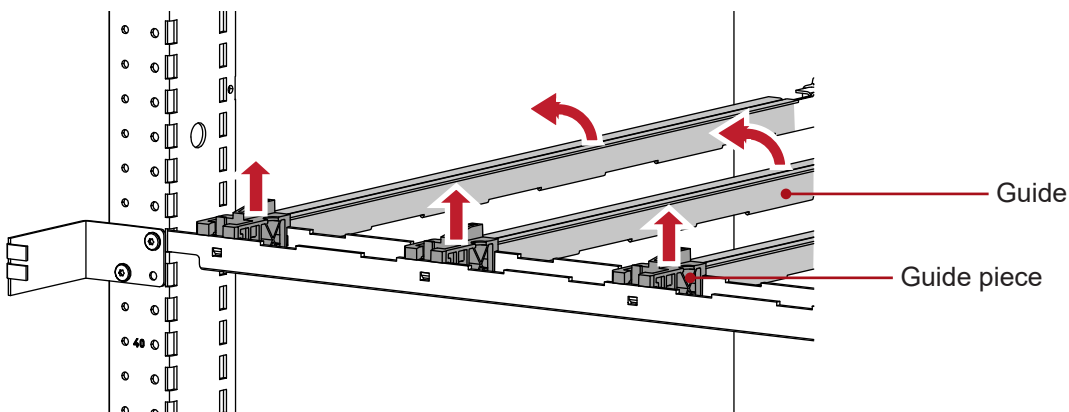
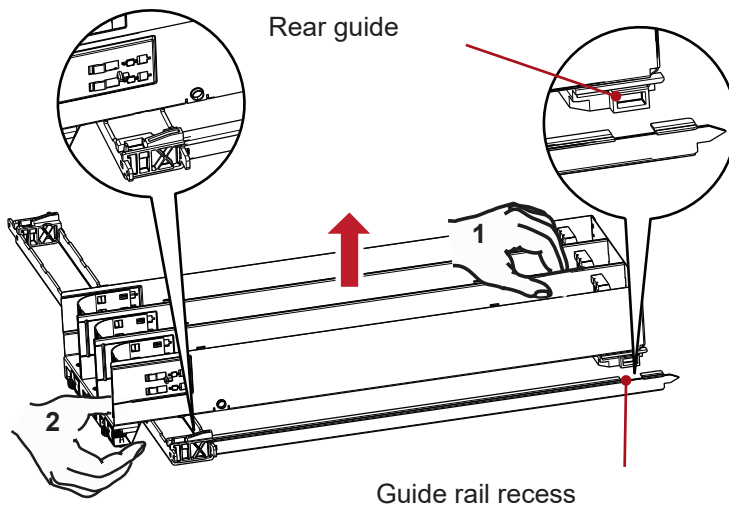
Additional equipment

TX 20 bit

Procedure

1. *Raise the drawers slightly at the back with one hand until the rear guide of the drawer is no longer seated in the recess of the guide rail.*
2. *Pull the drawers forwards with the other hand and remove them.*
3. *Unclip the guide pieces and remove them.*
4. *Remove the guides.*

✓ All drawers and guides have now been removed from the vending machine.



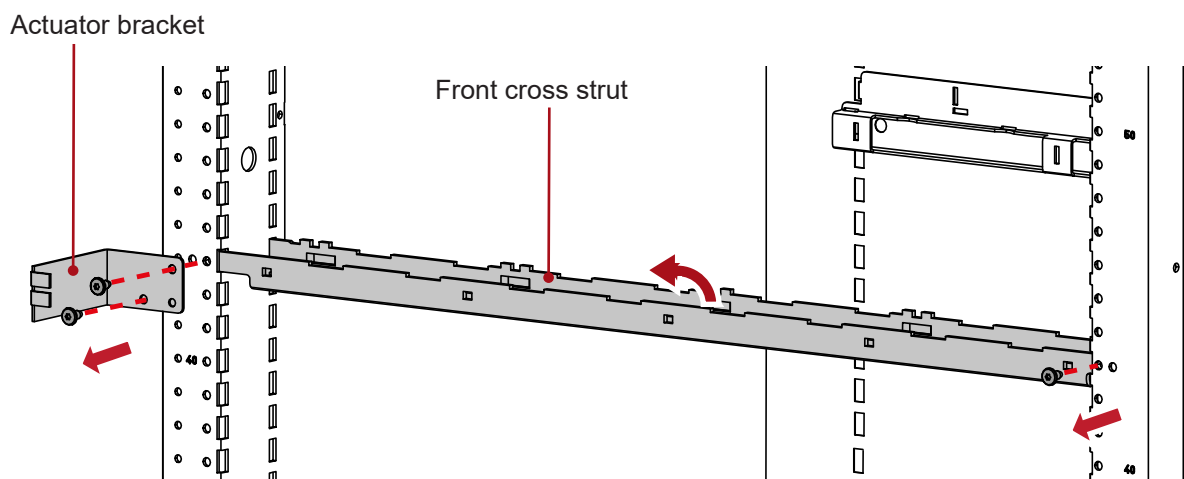
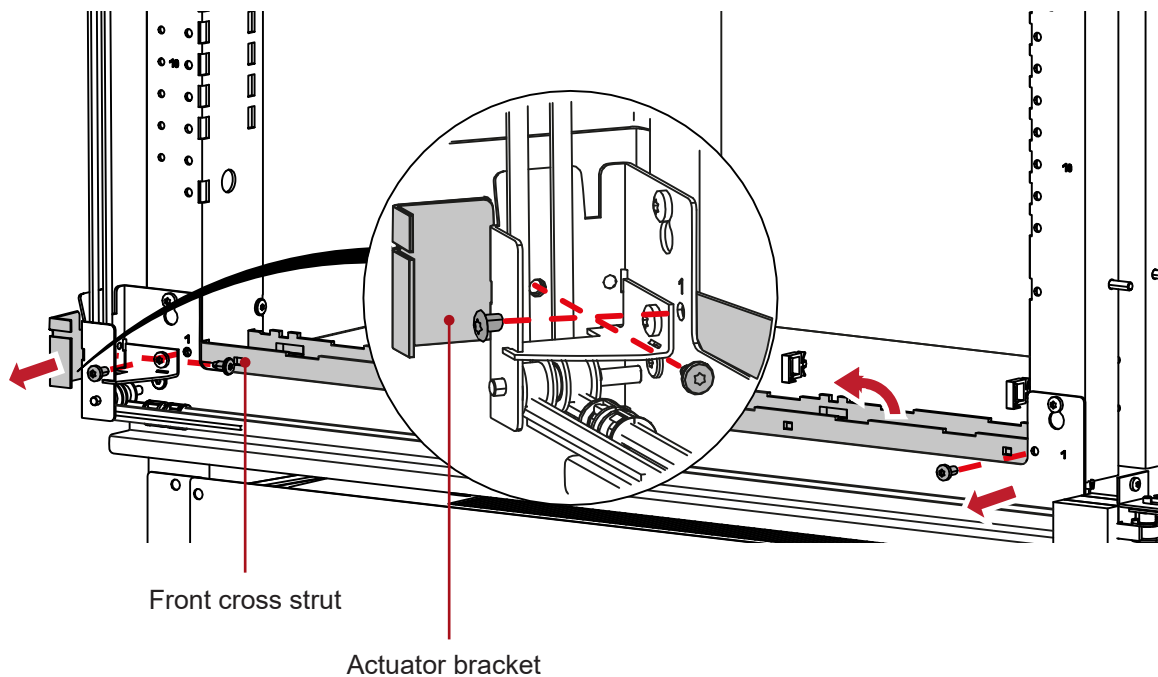
3.3 Removing the front cross struts and actuator bracket

Additional equipment

- TX 20 bit

Procedure

1. On the lowest shelf, undo the screw of the actuator bracket and the screws of the front cross strut (left and right).
 2. Remove the actuator bracket and cross strut.
 3. On the upper shelves, undo the screws of the actuator brackets and the screws of the front cross struts (right).
 4. Remove the actuator bracket and front cross struts.
- ✓ All front cross struts and actuator brackets have now been removed.



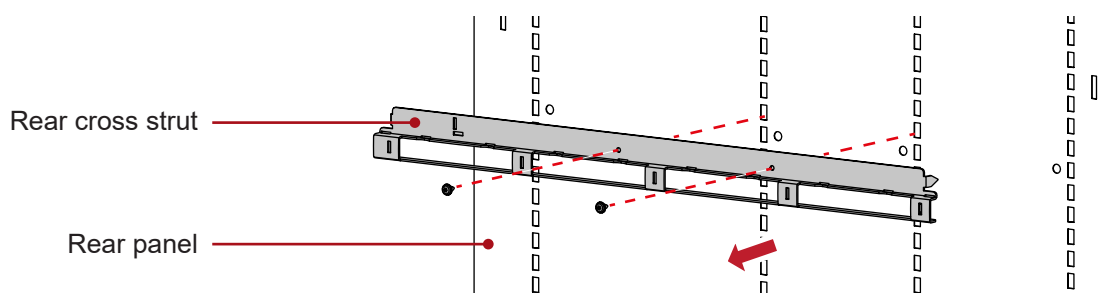
3.4 Removing the rear cross struts

Additional equipment

- TX 20 bit

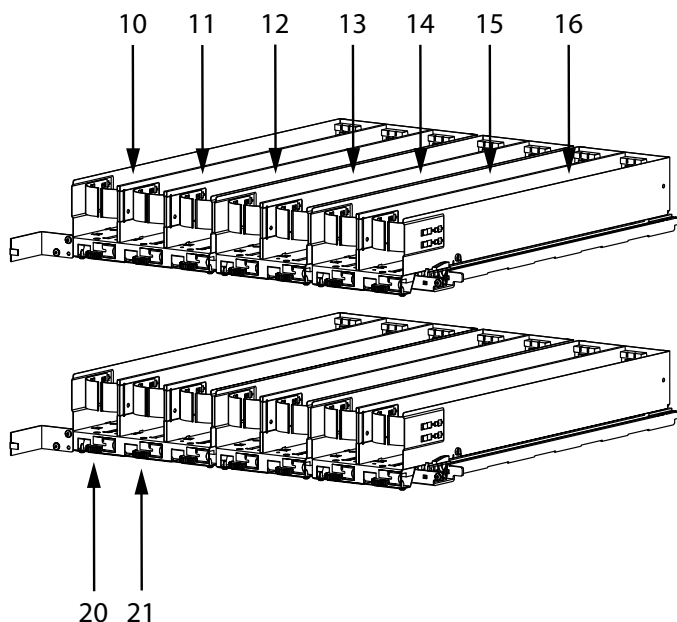
Procedure

1. Undo the screws of the rear cross struts from the rear panel.
2. Remove the rear cross struts.



3.5 Product container counting method

The first drawer on the left of the top shelf is drawer number 10 and we then count consecutively towards the right up to 16. On the second shelf, the numbering begins at 20 and ends with 26.



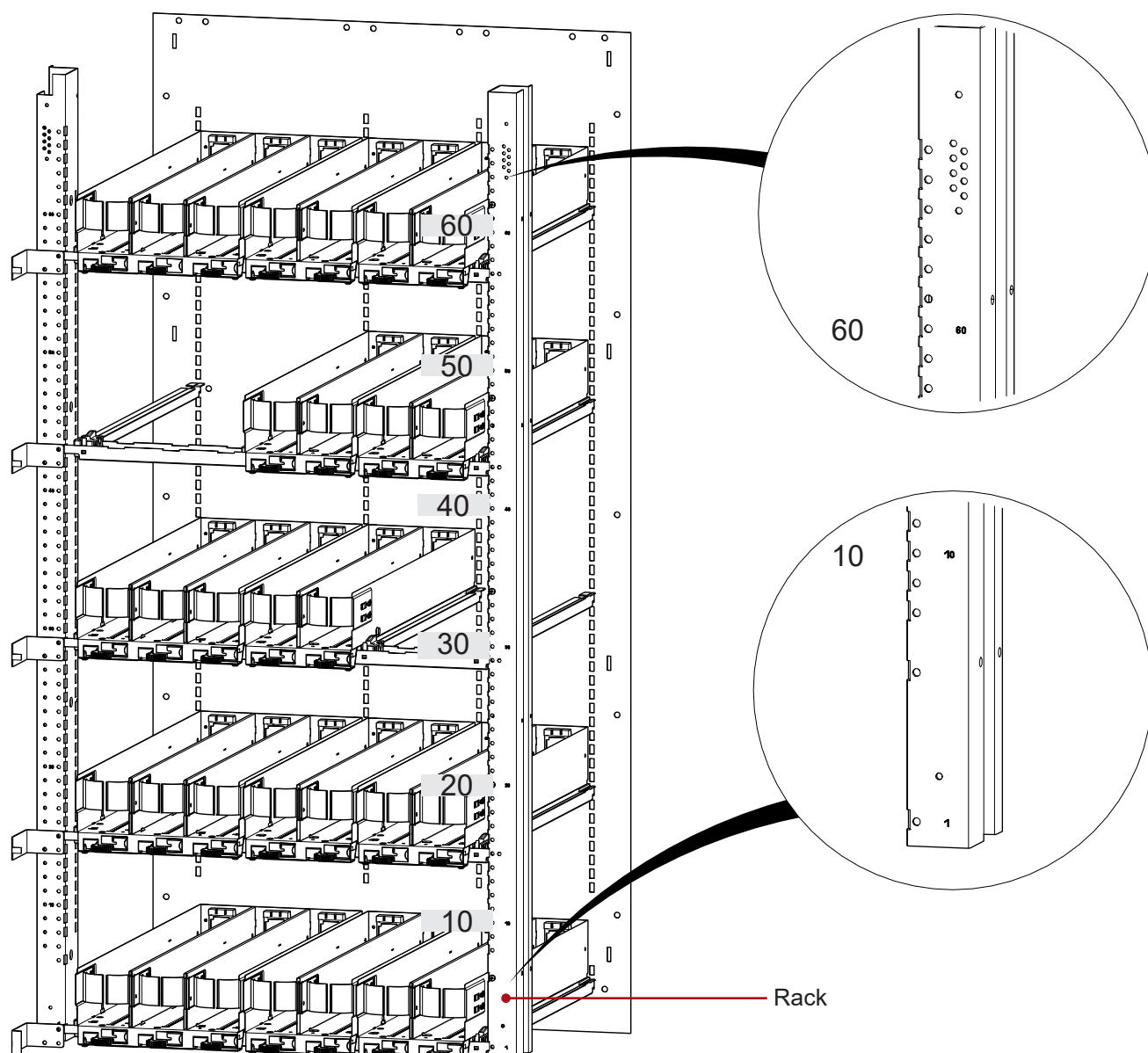
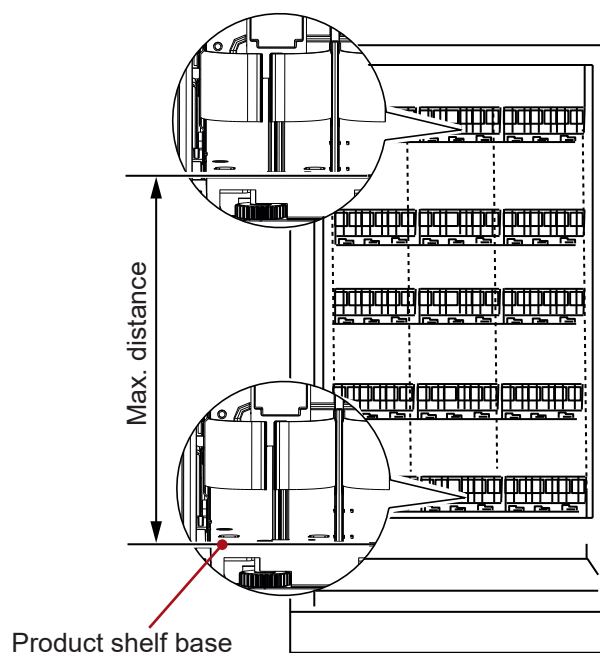
10	11	12	13	14	15	16
20	21	22	23	24	25	26
30	31	32	33	34	35	36
40	41	42	43	44	45	46
50	51	52	53	54	55	56

3.6 Shelf heights

The shelves can be adjusted according to the height of the desired product. In a 5-shelf configuration, the maximum product height is 240 mm.

The holes are spaced 19.35 mm apart, i.e. the shelves can be adjusted by this amount. The maximum distance between the top and bottom product shelf bases is 1161 mm.

Product specification	
0.25 l can	Dia. 53 mm / height 134 mm
0.5 l bottle	Dia. 66 mm / height 234 mm
0.6 l bottle	Dia. 72 mm / height 240 mm



3.7 Installing the front cross struts and guides

Please note: Use a right-hand guide and a right-hand guide piece on the outer right side of every shelf. Use regular guide and guide pieces in all other positions.

Additional equipment

- TX 20 bit

Procedure

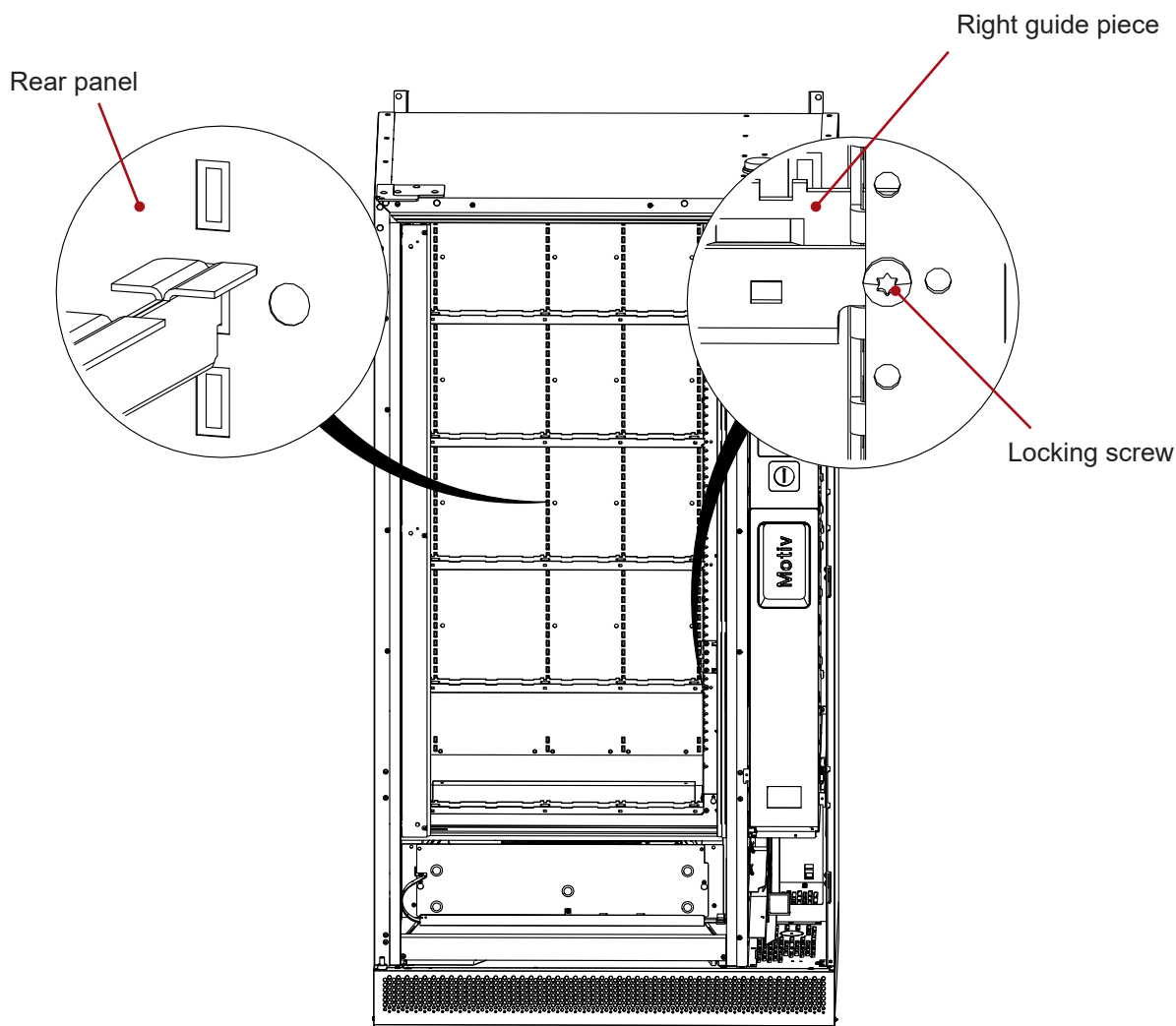
1. Insert the front cross struts at the desired height and secure them on the right using one screw each.
2. Secure the front cross strut of the bottom shelf using an additional screw on the left.
3. Insert the tips of the guides into the recesses in the rear panel and secure them in the front cross struts using a guide piece.

✓ The pusher shelves have been installed correctly if all cross struts are horizontal.



TIP

If all 5 shelves are intended to be spaced the same distance apart, install each of the front cross struts at a height where there are two adjacent holes in the rack.



3.8 Actuator brackets

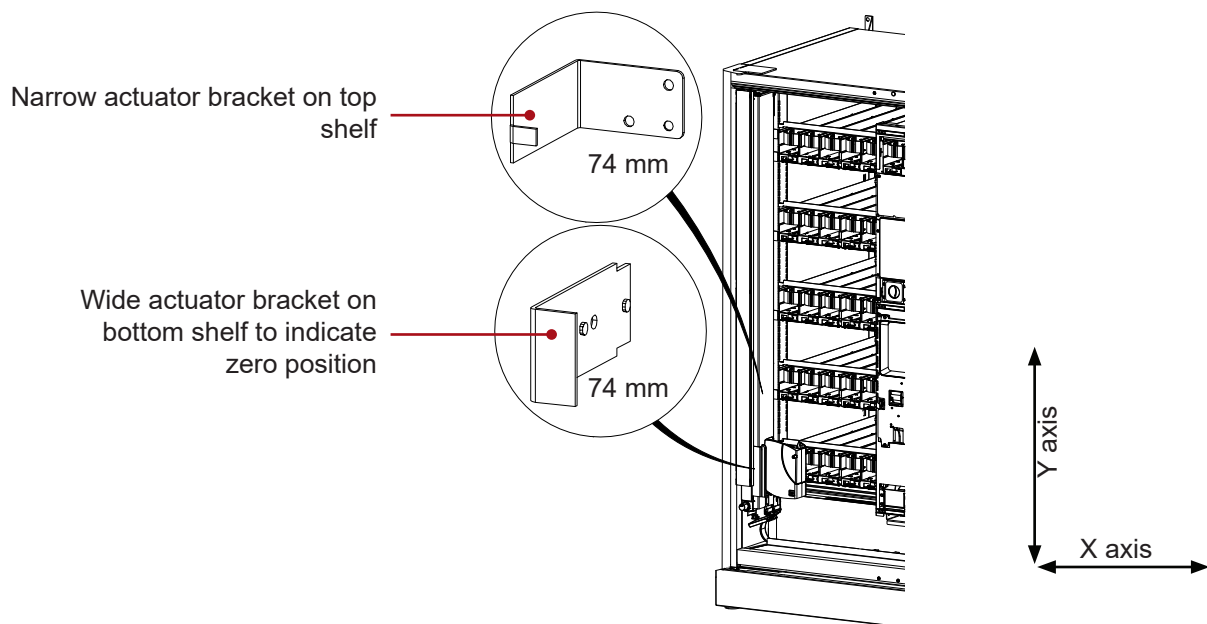
The vending machine uses a light barrier on the product basket to scan the shape of the actuator brackets and detect the type, number and installation height of the drawers. A wider actuator bracket is mounted on the lowest shelf to indicate that this is the home position on the Y axis.

Additional equipment

- TX 20 bit

Procedure

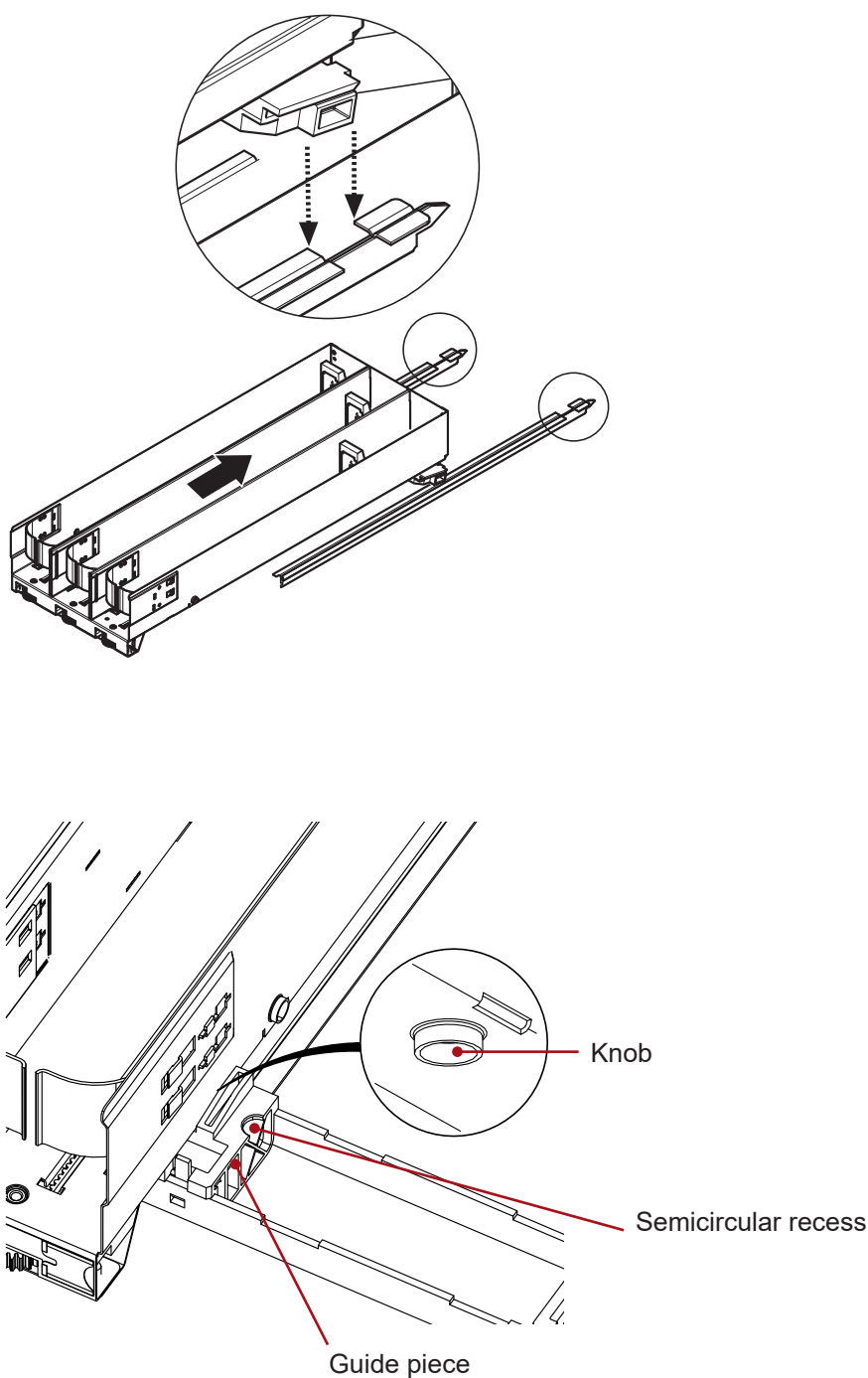
1. Mount a wide actuator bracket for a drawer 74 mm wide on the bottom shelf.
2. Mount a narrow actuator bracket for a drawer 74 mm wide on the top shelf.



3.9 Inserting the drawers

Procedure

1. Place the drawers on the guide rails.
 2. Push the drawers towards the back until their guides audibly engage in the recesses of the guide rails.
 3. Press the front of the drawers down until the knobs on the underside of the drawers audibly engage in the semi-circular recesses of the guide pieces.
- ✓ All drawers have now been inserted in the vending machine.



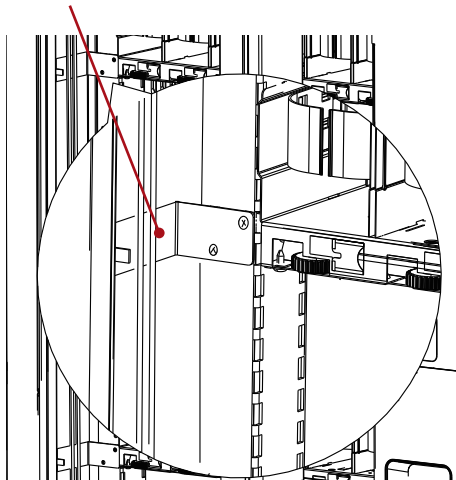
3.10 Running a shelf look-up function

If the layout of the vending machine has been changed, a reference run [shelf look-up function] must be conducted. If a shelf is missing its actuator bracket, the shelf in question will not be detected during the reference run.

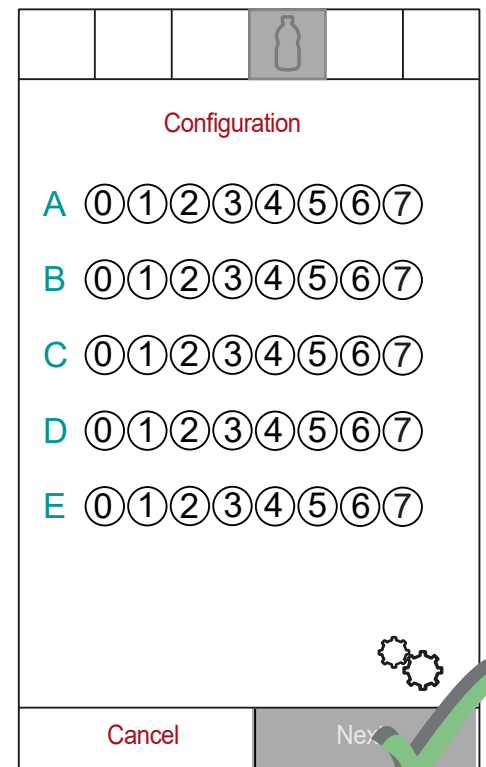
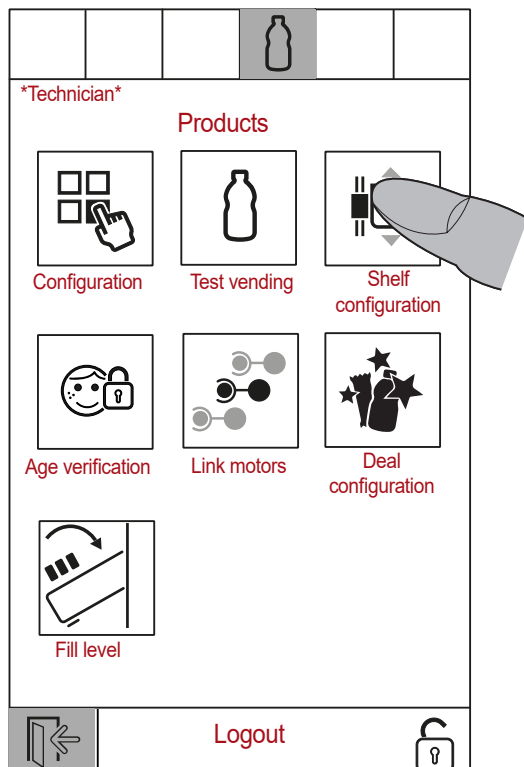
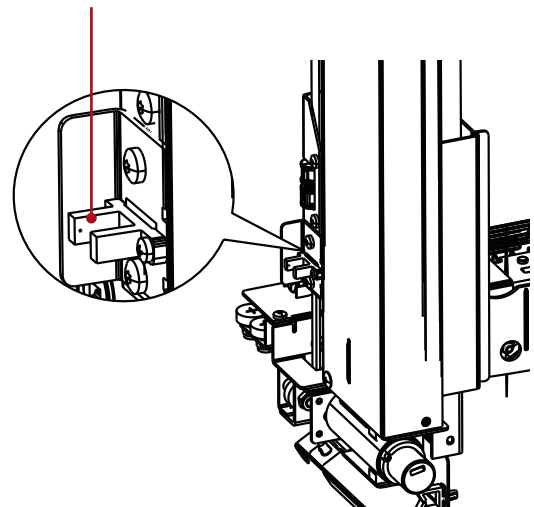
Procedure

1. Go to Menu [Products] .
 2. Go to [Shelf configuration].
 3. Start [Shelf look-up].
- The vending machine will start a reference run and determine the new drawer configuration.

Actuator bracket



Light barrier





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