

SLIDING DOOR SYSTEMS: ASSEMBLY

SERIES 440



*Base for the degree of difficulty is a standard sliding door without slant.
This is to be classified as "easy" in respect of production and installation.

raumplus

CONTENS_

5th Edition_August 2006

General / Tools_page 3

Technical terms / preparation_page 4

Assembly_pages 5-7

A_Cut the frame profile

B_Cut the panel

C_Attach top and bottom roller connections to the vertical profile

D_Attach the vertical profile to the panel

Disassembling a 440 frame_page 7

Detail drawings_pages 8-12

Cutting measure_page 13

_GENERAL / TOOLS

ASSEMBLY INSTRUCTIONS SLIDING DOOR SYSTEM:

GENERAL

Raumplus sliding door systems offer a wide range of variety and versatility. There are systems with and without bottom tracks, a great number of panel variations, doors for sloped ceilings and corner solutions or doors for special application purposes (lockable, application as room divider, etc.). For the installation of these doors after assembly, please see the installation instructions.

These directions were created by people for people. We have made an effort to develop the instructions and pictures so that they are logical and easy to understand. If you should nevertheless find something to be unclear, please let us know so that we may revise that section.

Technical details are subject to change.

Please check to see if you received all items by checking the delivery sheet. Also look out for possible damage due to transport. In case of any damage or loss please contact your supplier immediately. The single components are numbered on the detail drawing as well as on the delivery sheet – please check.

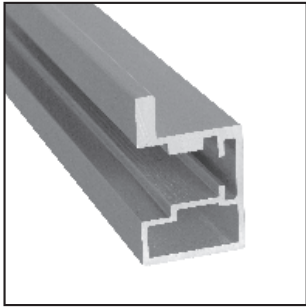
NOTE: Please read our measurement instructions in order to find the correct measurements.

TOOLS:

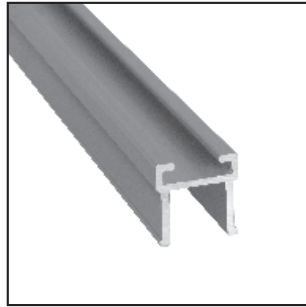
Rubber mallet
Small hammer
Metal saw

_TECHNICAL TERMS / PREPARATION

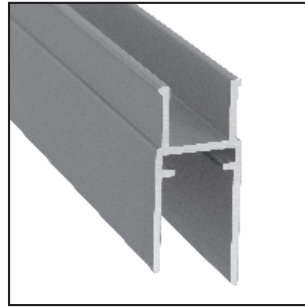
ACCESSORIES AND TOOLS:



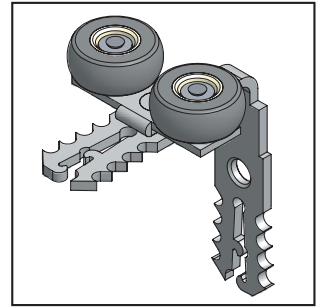
1_



2_



3_



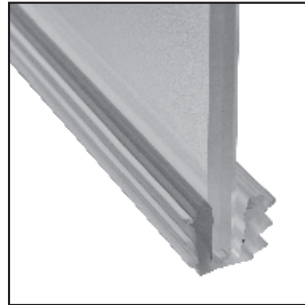
4_



5_



6_



7_

1_Vertical profile S440 (16.40.0xx)_For each door, a profile is used on the left and right.

2_Rail (16.02.020)_Builds the frame for the door together with the vertical profile and bottom rail.

3_Bottom rail (16.04.020)_Builds the frame for the door together with the vertical profile and top rail.

4_Top connector (10.16.440)_Is affixed in the top of the vertical profile.

5_and 6_Bottom roller connection with Antijump (10.16.022 left / 10.16.024 right)_Is affixed in the bottom of the vertical profile.

7_Gasket 4 mm (10.17.035)_So the glass panel fits snugly in the door profile (only for 4 mm glass).

_Dust excluding brush_For sealing crevices (gaps) between the door and wall and between doors. **The dust excluding brush is not needed until the end of the assembly!**

_Rubber mallet_to attach the profile to the panel.

_Cutter or blade_to cut the corners of the gasket (if necessary).

04_05

PREPARATION:

After having unpacked and checked all items you can start your assembly work. We recommend reading these instructions carefully before starting.

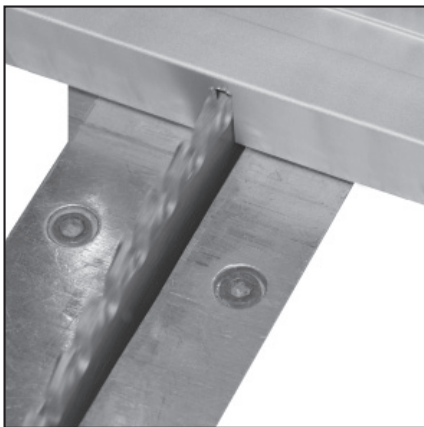
When setting the doors temporarily aside, only lean the assembled doors on their lateral frame profiles (leaned on their side)- NEVER stand them straight up on the bottom rails. This may damage the rollers!

_ASSEMBLY

ASSEMBLY:

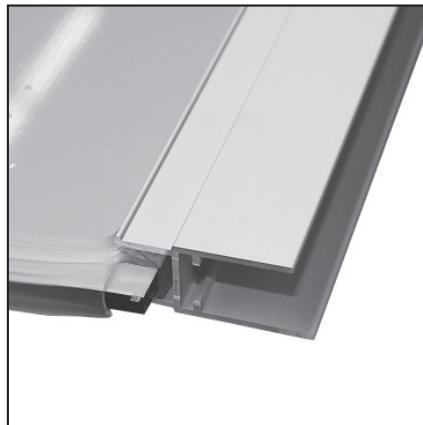
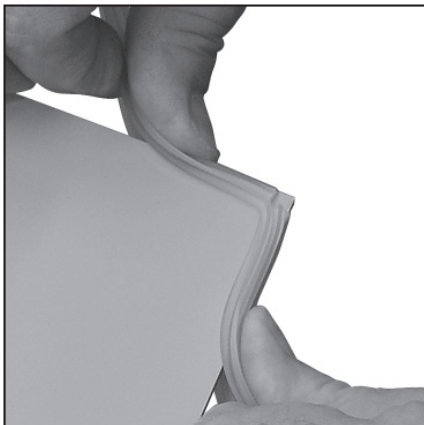
You will find detailed descriptions of the assembly steps in the following chapters. It is important that you follow these steps in correct order otherwise your sliding door system could get damaged.

A_CUT THE FRAME PROFILE:



- 1_Measure and mark the area to be cut. In order to properly determine the measurements, keep in mind that the bottom rail fits inside the vertical profile.
- 2_Cut the profile – for the best result, use a miter saw.
- 3_Clean the surfaces thoroughly.
- 4_If attached dividing rails are to be used, cut them (same procedure as with the bottom rail, less 2 mm).

B_CUT THE PANEL:



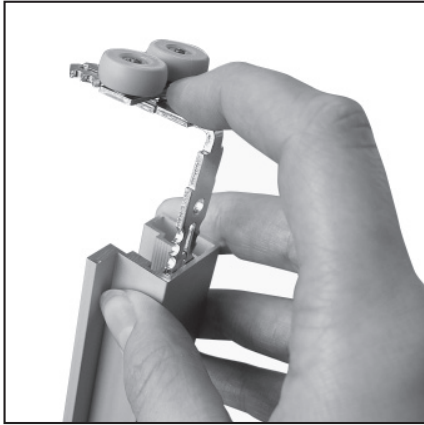
Lay the panel on a table.

Special case: only for 4 mm mirror and glass panels: Stretch the gasket around the glass. Start in the center of the top edge of the top rail (cut approx. 2 mm and stretch over the corner). Then put the top and bottom rails on the panel and attach it with the help of a rubber mallet. Important: You must pay attention that the higher side is in front (in the right picture this side is on the bottom).

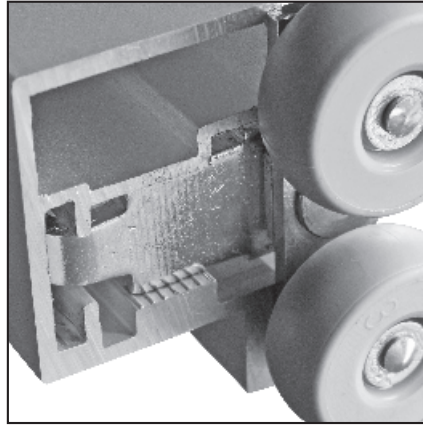
When you hit the top and bottom rail on to the panel, you must pay attention to the consistent excess length left and right. What is important is that the profile fits snugly on the panel.

_ASSEMBLY

C_ATTACH TOP AND BOTTOM ROLLER PROFILES TO THE VERTICAL PROFILE:



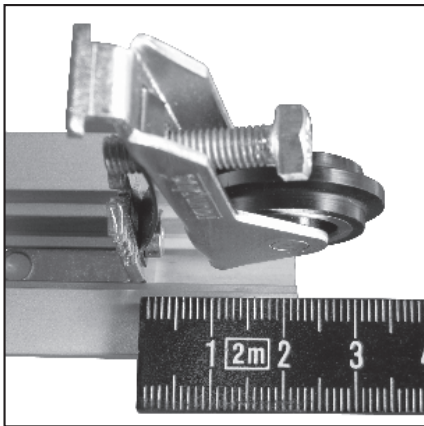
1_



2_



3_



4_

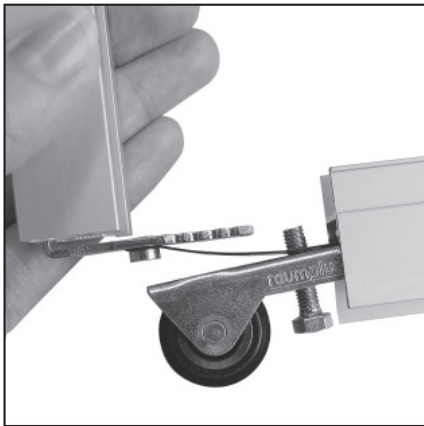
_Lay the vertical profiles in pairs on the assembly table. The following is much easier if you clamp both profiles in a vice-like device.

_Hit the top and bottom roller connectors in the front ends of the vertical profile until they are flush with one another (use a small hammer).

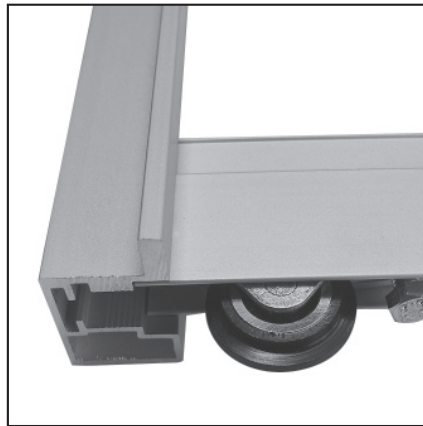
Now bring the roller connector corner connectors into the proper position. **The top connectors are hit in 2 mm (see picture 2) and the bottom ones 22 mm (see picture 4_).**

ASSEMBLY / DISASSEMBLY

D ATTACH THE VERTICAL PROFILE TO THE PANEL:



1_



2_



3_

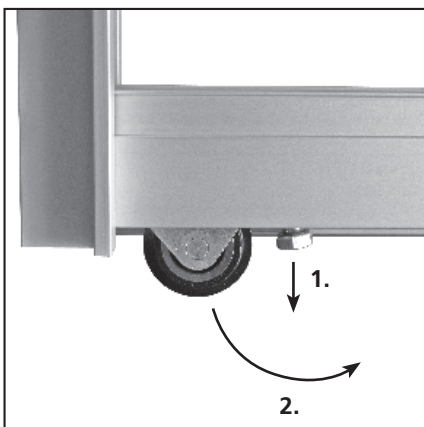
Now join the frames together in that the horizontal blades of the corner connector are pushed into the flat spaces of the rail (see picture 1). Please note that the bottom roller is pushed in the connection channel as well.

_The more even you join the frames together, the better the gaps close in the corner connections.

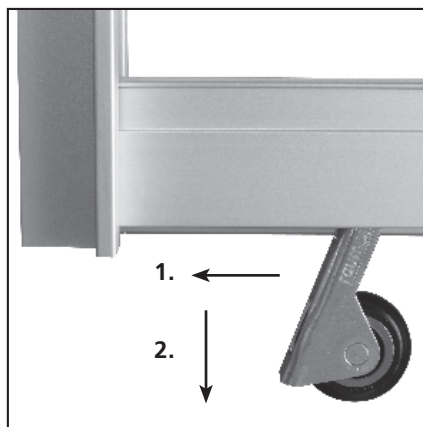
_It is also important that the vertical profiles of the assembled door are straight. Bent profiles cause unclean wall connections during the installation.

_Use a 8 mm open ended wrench and turn in or out in order to align and adjust the height of the sliding doors.

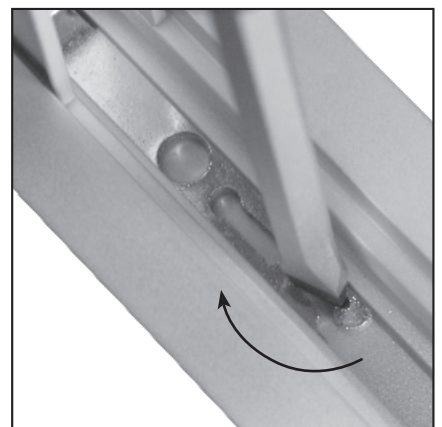
DISASSEMBLING A 440 SLIDING DOOR FRAME:



1_



2_



3_

_You should have the assistance of a second person to disassemble a series 440 sliding door frame.

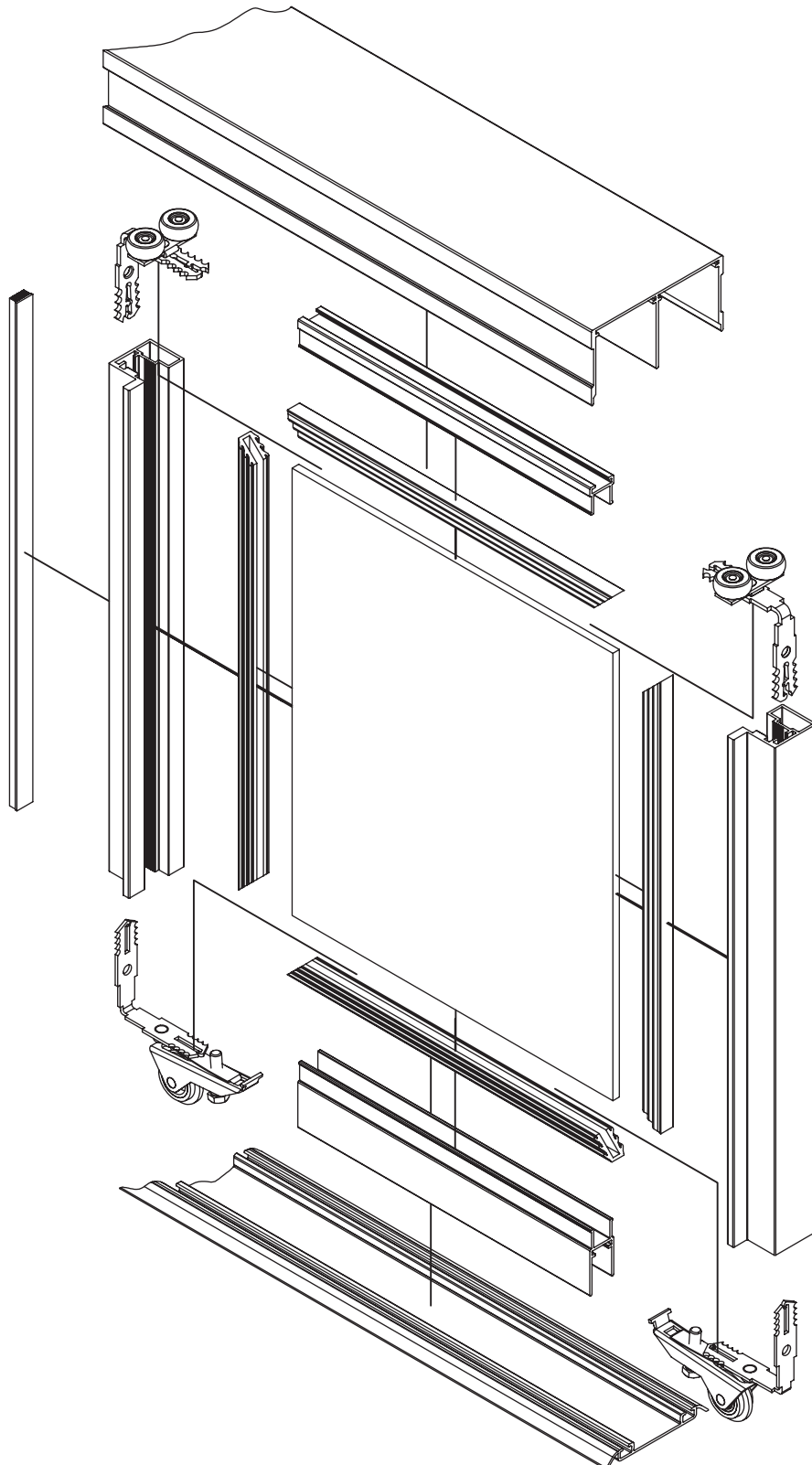
Lay the door flat on the assembly table and screw out the screws from the bottom rollers completely so you can separate the roller housing from the steel spring (see picture 1).

Push the rollers all the way towards the outer side (approx. 3-4 mm) and pull them down towards the bottom and side of the door (see picture 2).

Now you need a handy 4 mm screwdriver (see picture 3) with which you can pull the straddled blades of the top corner connector together. At the same time, hit the vertical profile off of the rail. If you place a piece of wood in between the aluminum profiles, they will not get damaged.

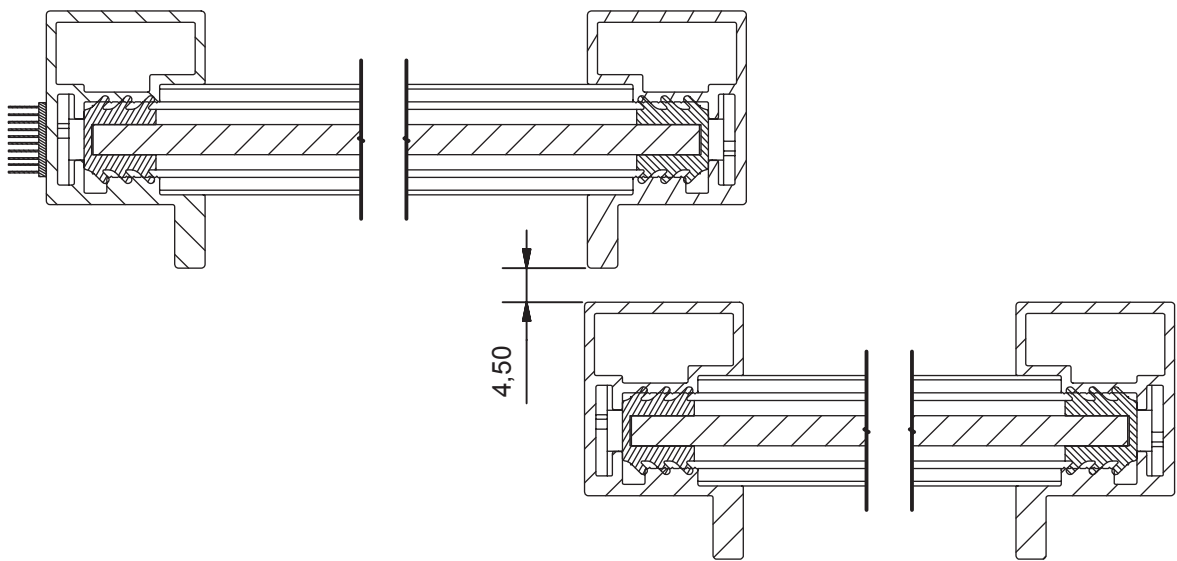
_DETAIL DRAWINGS

ISOMETRIE S440



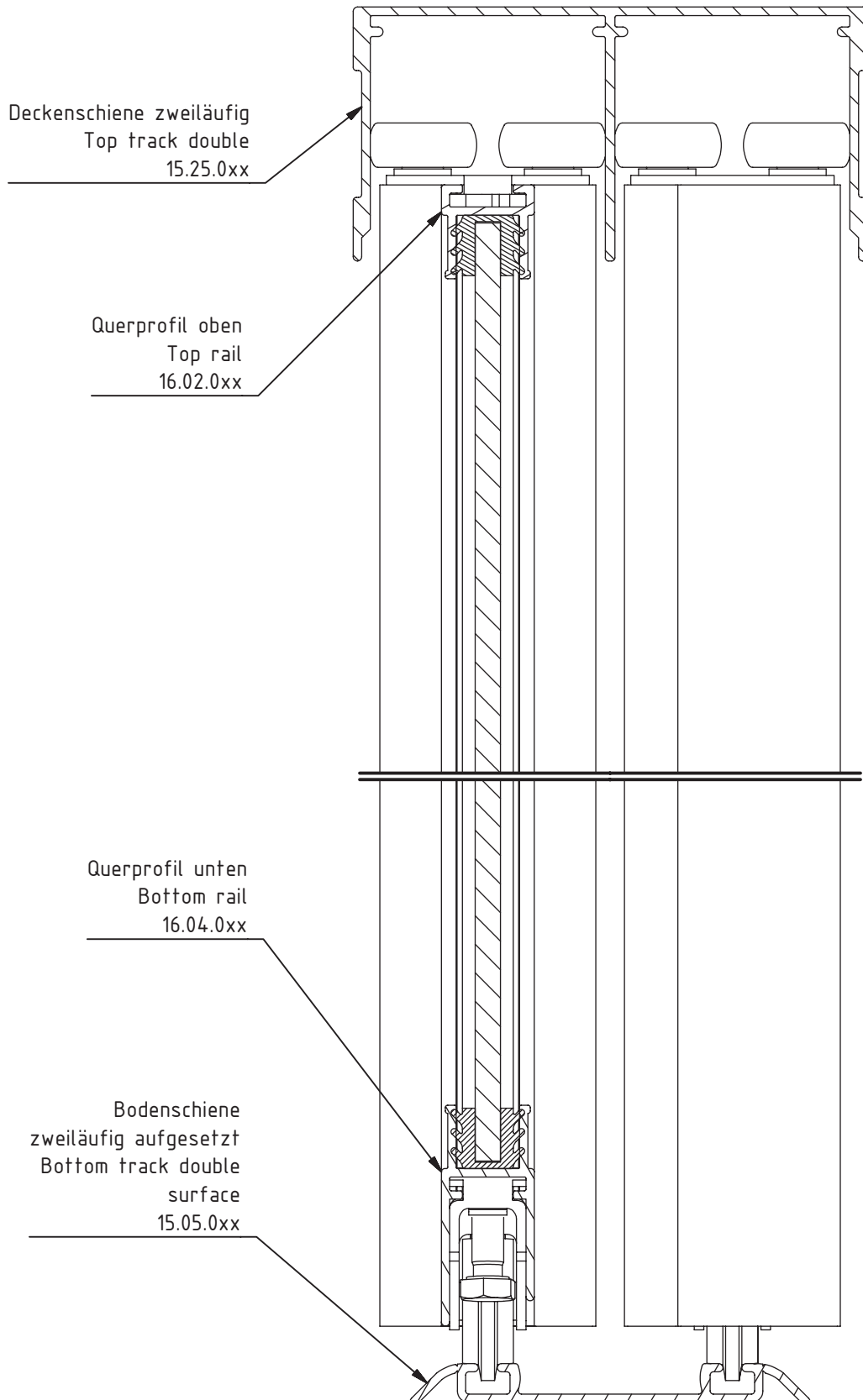
_DETAIL DRAWINGS

HORIZONTAL VIEW S440

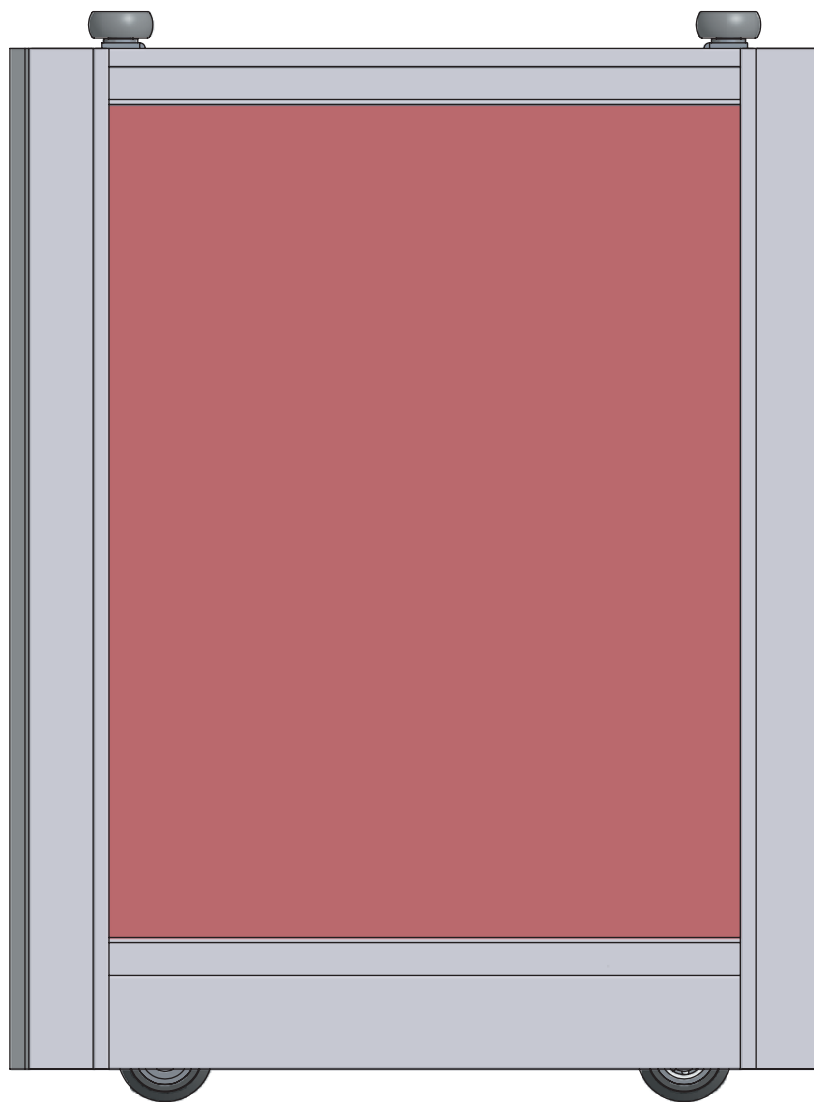


_DETAIL DRAWINGS

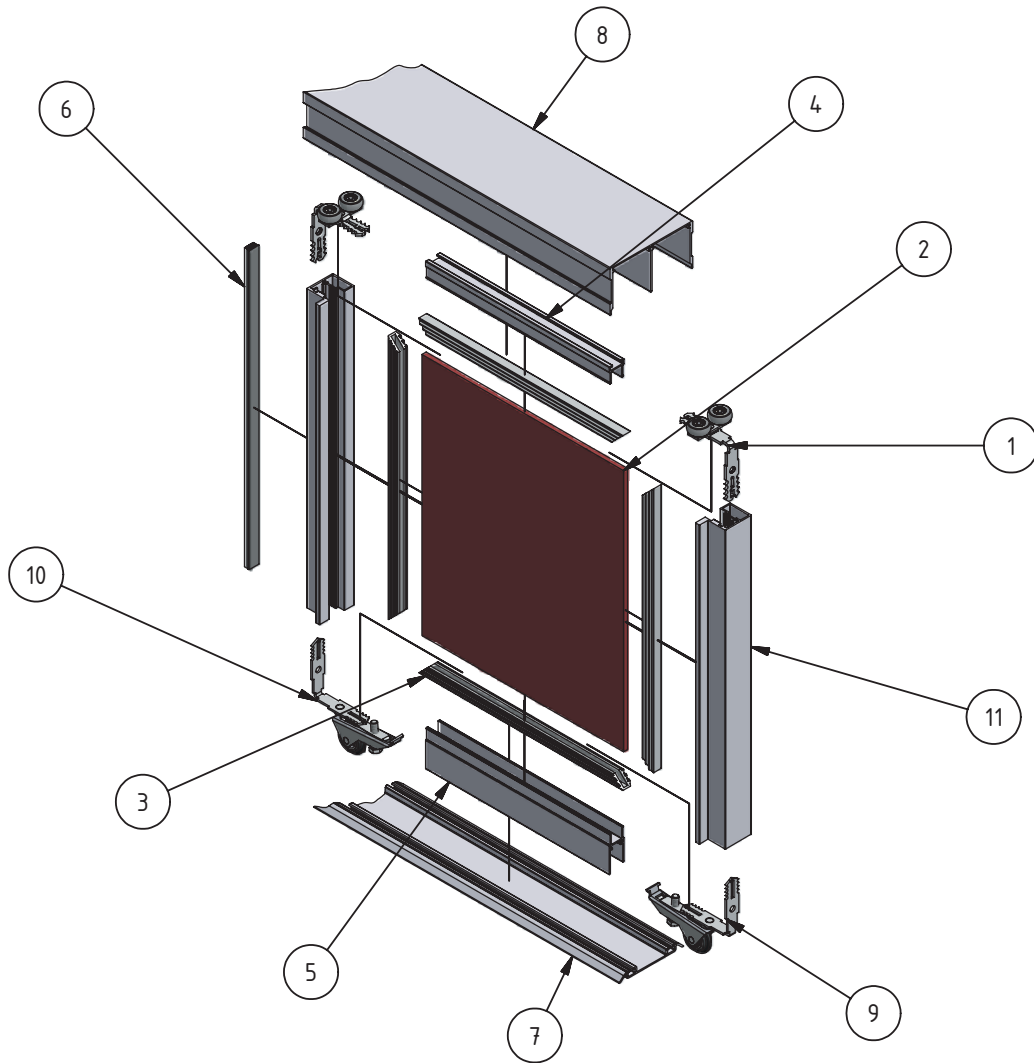
VERTICAL VIEW S440



DETAIL DRAWINGS



_DETAIL DRAWINGS



Item list

OBJECT	QUANTITY	ITEM NUMBER	DESCRIPTION	MATERIAL
1	2	10.16.440	Top connector S440	
2	1	2005-0105-01-00-001	Glass panel	standard
3	4	10.07.035	Gaket S400	PVC
4	1	16.02.0xx	Top rail S400	Aluminum - 6061
5	1	16.04.0xx	Bottom rail S400	Aluminum - 6061
6	1	10.07.023	Dust excluding brush gray	ABS Plastic
7	1	15.05.0xx	Bottom track 2L 34er	Aluminum - 6061
8	1	15.25.0xx	Top track 2L 34er	Aluminum - 6061
9	1	10.16.024	Bottom connector right S400	
10	1	10.16.022	Bottom connector left S400	
11	2	16.40.0xx	Vertical profile S440 asym	Aluminum - 6060

_DETAIL DRAWINGS
CUTTING MEASURES

Cutting measures:

Profile System: **S440**

Overlap (mm): **21**

Vertical (height deduction mm): **40**

Length horizontal profile (width deduction mm): **30**

Measure of panel; deduction from door height (mm): **32**

Measure of panel; deduction from door width (mm): **13**