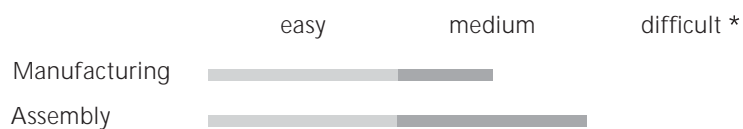


SLIDING DOOR SYSTEMS: INSTALLATION INSTRUCTIONS AIR-SYSTEM WITH COVER

6th edition Bremen, August 2008



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

raumplus

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B_Installation of the wall connection profile and insert profile

C_Installation of the cross bar

D_Install stopper and brake for top roller

E_Installation of ground plate

F_Install fixation for top roller at the door

G_Hanging the door

H_Install cover

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_GENERAL INFORMATION / TOOLS

ASSEMBLY INSTRUCTIONS AIR-SYSTEM:

GENERAL INFORMATION

The **raumplus** AIR-system offers a wide range of variety and versatility. It does not need a bottom track and can directly be installed to the ceiling or to the wall. Especially the AIR-system with cover can easily be installed and is even adjustable. Furthermore the AIR-system with cover offers the ability to use a synchron drive mechanism with or without motor drive.

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.

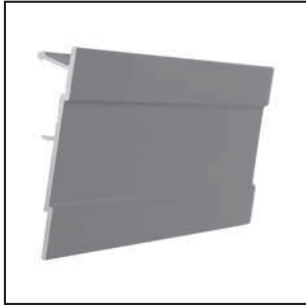
Please check to see if you received all items by checking the delivery sheet. Please also look out for possible transport damages. In case of any damage please contact your supplier immediately.

REMARKS: Read the measurement instructions.

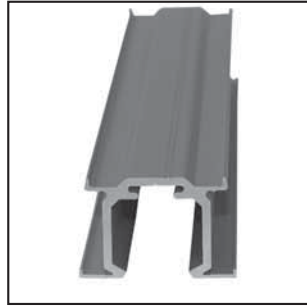
TOOLS:

Cross tip screwdriver (Phillips)
Allen wrench 2 mm and 4 mm
Drill 6 mm, 3,5 mm, 2,5 mm drill bits
Rubber mallet
2 open ended-spanners (13 mm)
Hack saw / carbide tip blade

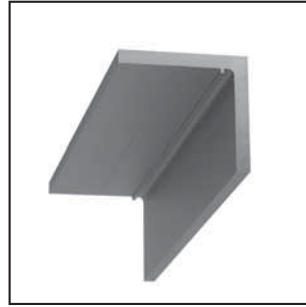
_TECHNICAL TERMS



1_



2_



3_



4_



5_



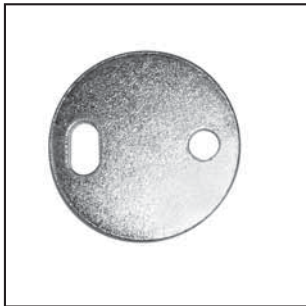
6_



7_



8_



9_



10_



11_



12_

1_Cover for insert profile (14.50.0xx)_is to be fixed (clasped) onto the insert profile / slide rail and covers the top roller.

2_Top track insert system AIR (14.55.020)_is either to be mounted in the top track or at the wall connection profile or directly to the ceiling.

3_Wall connection profile (14.54.020)_is to be affixed to the wall and holds the AIR track.

4_Top roller "system AIR" adjustable (10.06.010)_is pushed into the top track.

5_Fixation for top roller (10.06.040)_

6_Brake for top roller (10.05.030)_is to be put between the rollers of one door.)

7_Wall outlet with guiding (10.05.022)_to mount the bottom guiding to the wall / cannot be used in conjunction with the wall connection profile.

8_Groundplate with rollers (10.05.020)_is to be installed on the floor and serves for the guiding on the floor.

9_Distance piece (10.05.025)_

10_Stopper for top roller with brake (10.05.015)_is to be placed at the end of the insert profile.

11_Stopper for top roller without brake (10.05.060)_is to be placed at the end of the insert profile.

12_Connector for end cap (10.05.290)_to fasten the end cap to the insert profile.

_TECHNICAL TERMS / PREPARATION



13_



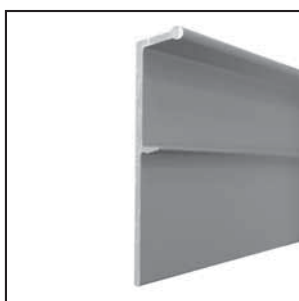
14_



15_



16_



17_

13_End cap single-tracked silver (10.05.291)_

14_End cap for wall connection profile (10.05.296 left / 10.05.297 right)_see above.

15_Screw for wall connection profile (10.07.081)_to affix the insert profile AIR to the wall connection profile

16_Nut for wall connection profile (10.07.082)_to affix the insert profile AIR to the wall connection profile.

17_Cross bar AIR System (14.53.020)_Visual cover for adjoining roller tracks.

You need the following items for the assembly of an AIR-door:

1_Stile S1500 sym. (13.01.0xx)_forms together with top- and bottom rail the frame of the sliding door.

2_Stile S1500 asym. (13.11.0xx)_see above.

3_Stile S3000 sym. (13.61.0xx)_see above.

4_Stile S3000 asym. (13.51.0xx)_see above.

5_Top and bottom rail AIR-system (13.12.0xx)_forms together with stile the frame of the sliding door.

PREPARATION:

After having unpacked and checked all items we recommend reading these instructions carefully before starting your assembly / installation work .

ASSEMBLY / INSTALLATION:

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.

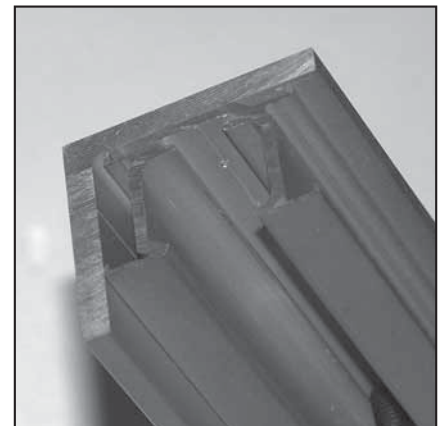
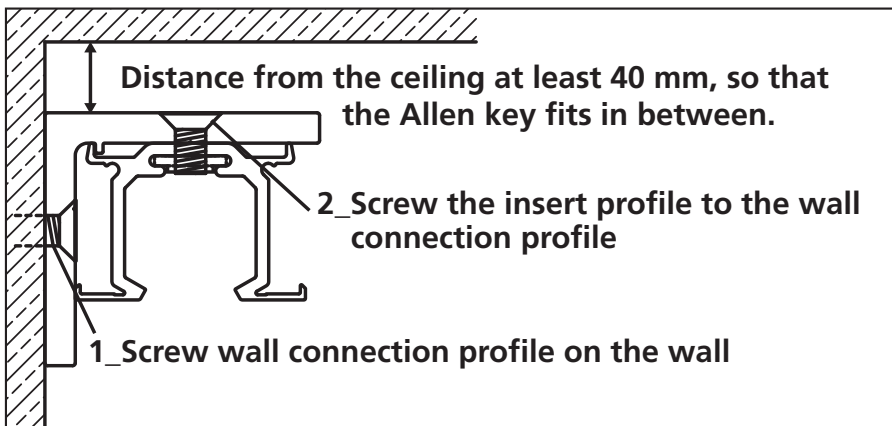
_ASSEMBLY / INSTALLATION

A_INSTALL TOP ROLLER INTO INSERT PROFILE:



Push the upper parts of the top rollers, which you have previously disassembled, into the insert profile. In case the insert profile is to be installed from wall to wall, please make sure that you push in both top rollers, the brake between the rollers as well as the stoppers before installation into the insert profile.

B_INSTALLATION OF TOP TRACK / INSERT PROFILE:

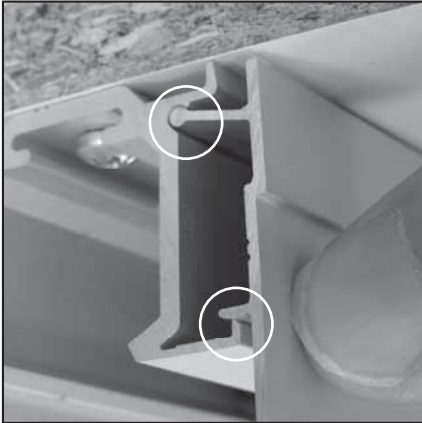


Before fastening the insert profile to the wall connection profile, you have to prepare the drill holes. It is important to fasten the wall connection profile professionally at the wall with a sufficient distance from the ceiling (at least 40 mm). Drill holes in regular distances (minimum distance of 40 to 50 cm between borings) into the wall connection profile and countersink the outside of the top borings. Now drill holes into the insert profile with the same distances. First, mount the wall connection profile to the wall and then the insert profile to the wall connection profile or mount the insert profile directly to the ceiling. When you install the wall connection profile have the screw heads in top and the nut.

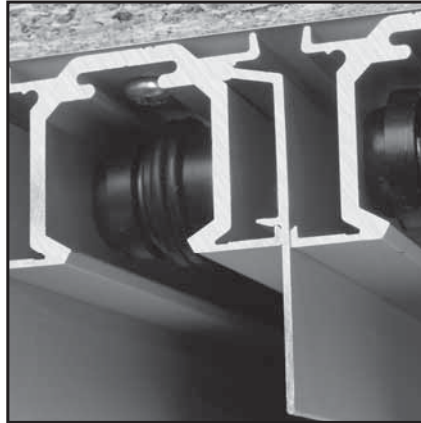
Please note: The stability is dependent upon the quantity and quality of the holes. There may be problems with the attachment to a suspended ceiling.

_ASSEMBLY / INSTALLATION

C_INSTALLATION OF THE CROSS BAR (OPTIONAL):



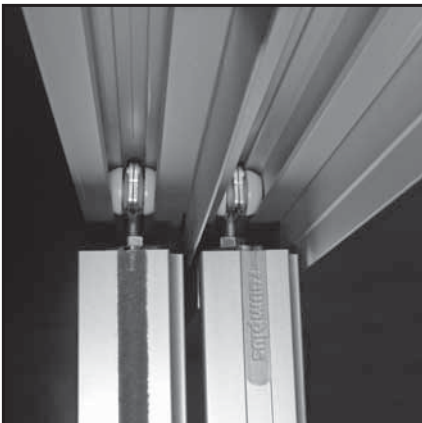
1_



2_



3_



4_

Attach the first roller track in the planned position and align it correspondingly.

1_ Position the cross bar at the desired point on the roller track. Insert the rounded edge of the bar into the semi-round opening of the roller track that is intended for it. By pressing the edge across from it, snap the cross bar into the roller track (illustr. 1_).

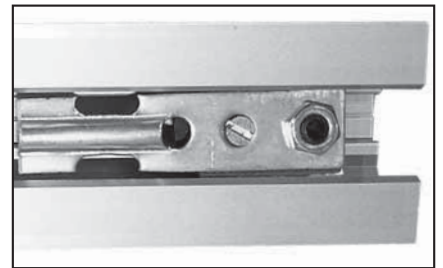
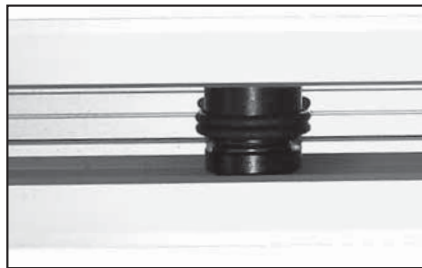
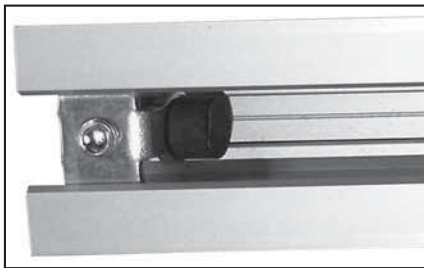
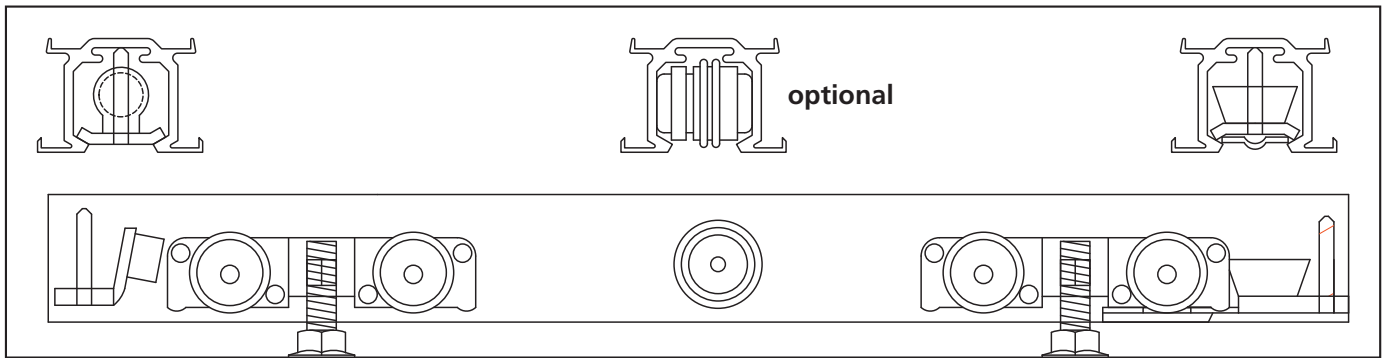
2_ Now position and attach the second roller track to the already attached cross bar (illustr. 2_).

3_ With enclosed doors, the cross bar should only be attached in the area of the visible rear roller track. Here it has to be observed that the width of the bar doesn't exceed the width of the door by more than 5 mm (illustr. 3_).

4_ If the cross bar is used for the entire width of the attached roller track, the attachment and adjustment of the **rear sliding door are no longer possible!** The possibilities of attachment and adjustment are covered by the cross bar (illustr. 4_).

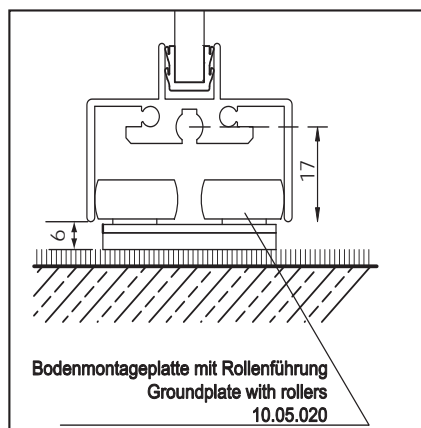
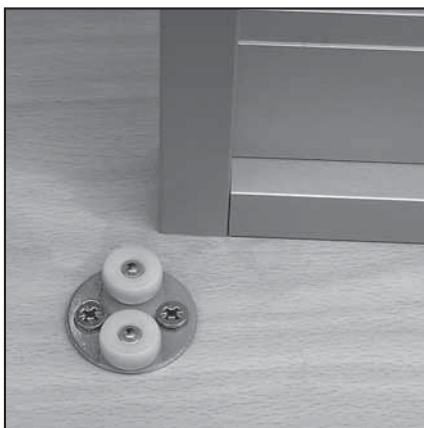
_ASSEMBLY / INSTALLATION

C_INSTALL STOPPER AND BRAKE FOR TOP ROLLER:



Install stopper and the brake for top roller in the insert profile as indicated above (it is to be put into correct position after having installing the doors). **Note:** The brake for top roller has to be positioned between both top roller of one door element.

D_INSTALLATION OF GROUND PLATE:



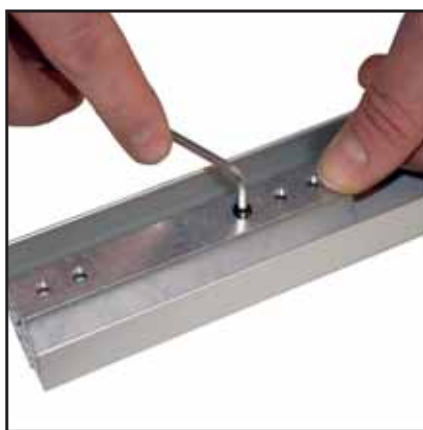
Mount the ground plate on the floor where the moving door will be situated. Use the wall outlet. For this put the door into position and mark the floor with tape where the ground plate should be positioned. If there are differences in height on the floor put a spacer between the floor and the ground plate.

_ASSEMBLY / INSTALLATION

F_INSTALL FIXATION FOR TOP ROLLER AT THE DOOR:



1_



2_



3_



4_



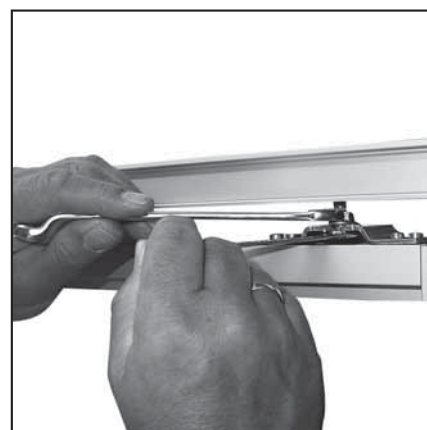
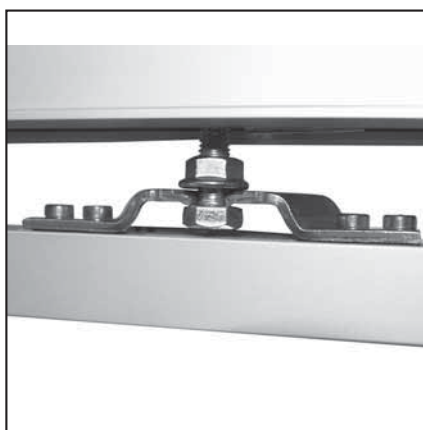
5_

1_First slide the fixation for the top roller into the upper top rail and screw it in tightly (illustr. 1_to 2_).

2_Now place the lower part of the upper top roller on the fixation and screw it in tightly (illustr. 3_to 5_).

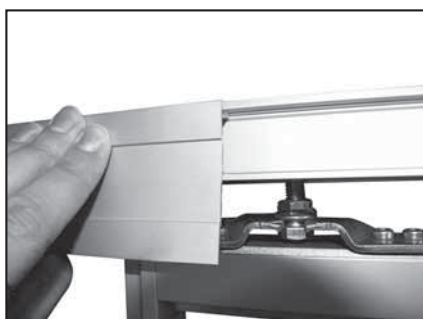
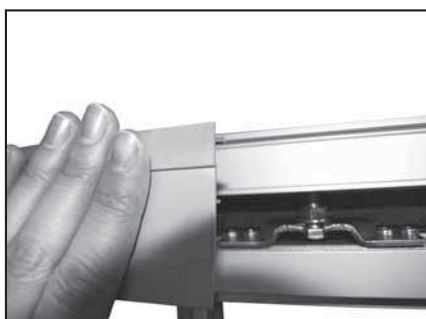
_ASSEMBLY / INSTALLATION

E_HANG-UP DOOR:



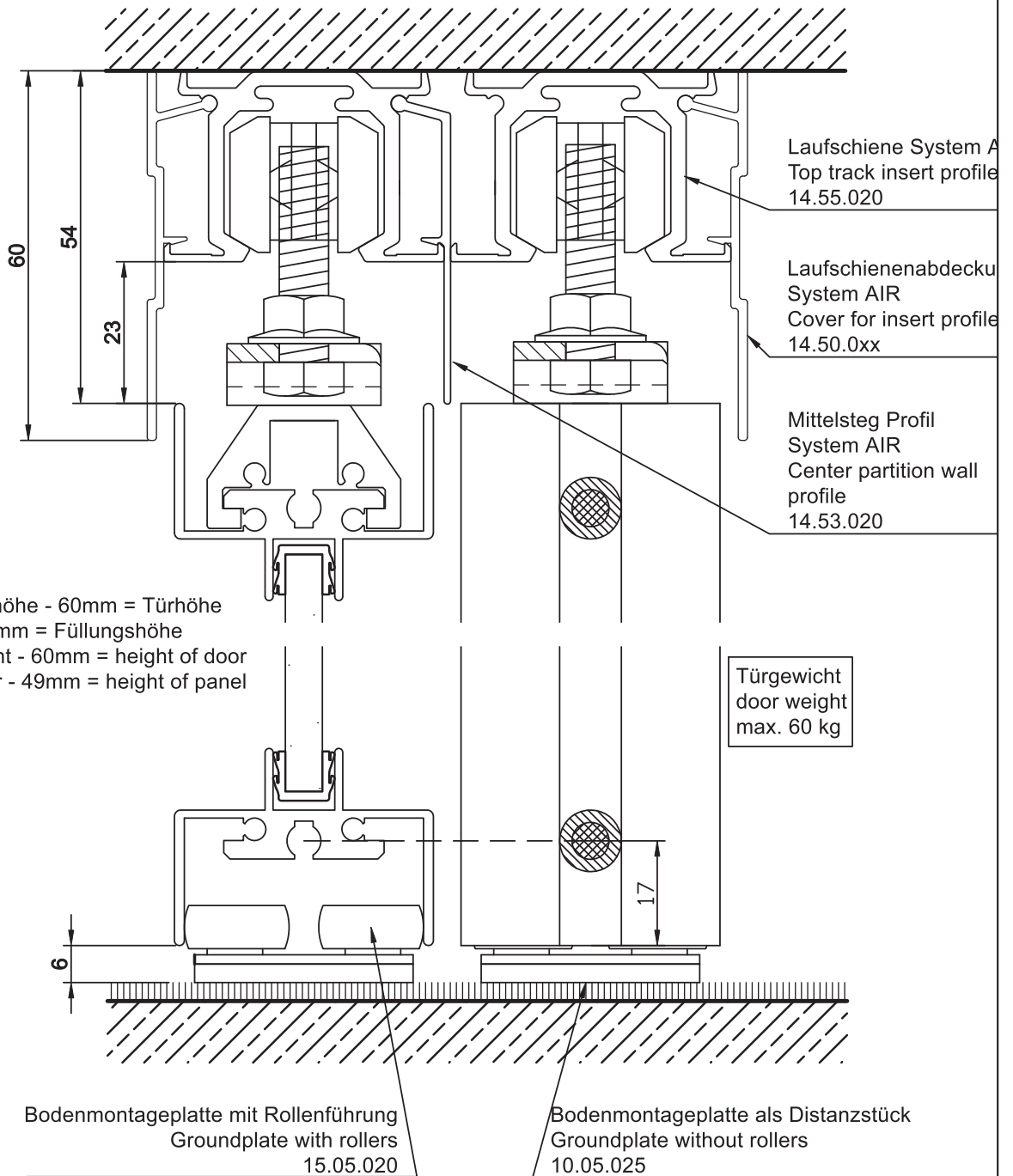
First, insert doors and adjust their height. Then tighten it with two top rollers with the help of two open-ended spanners (13 mm).

F_INSTALL COVER:

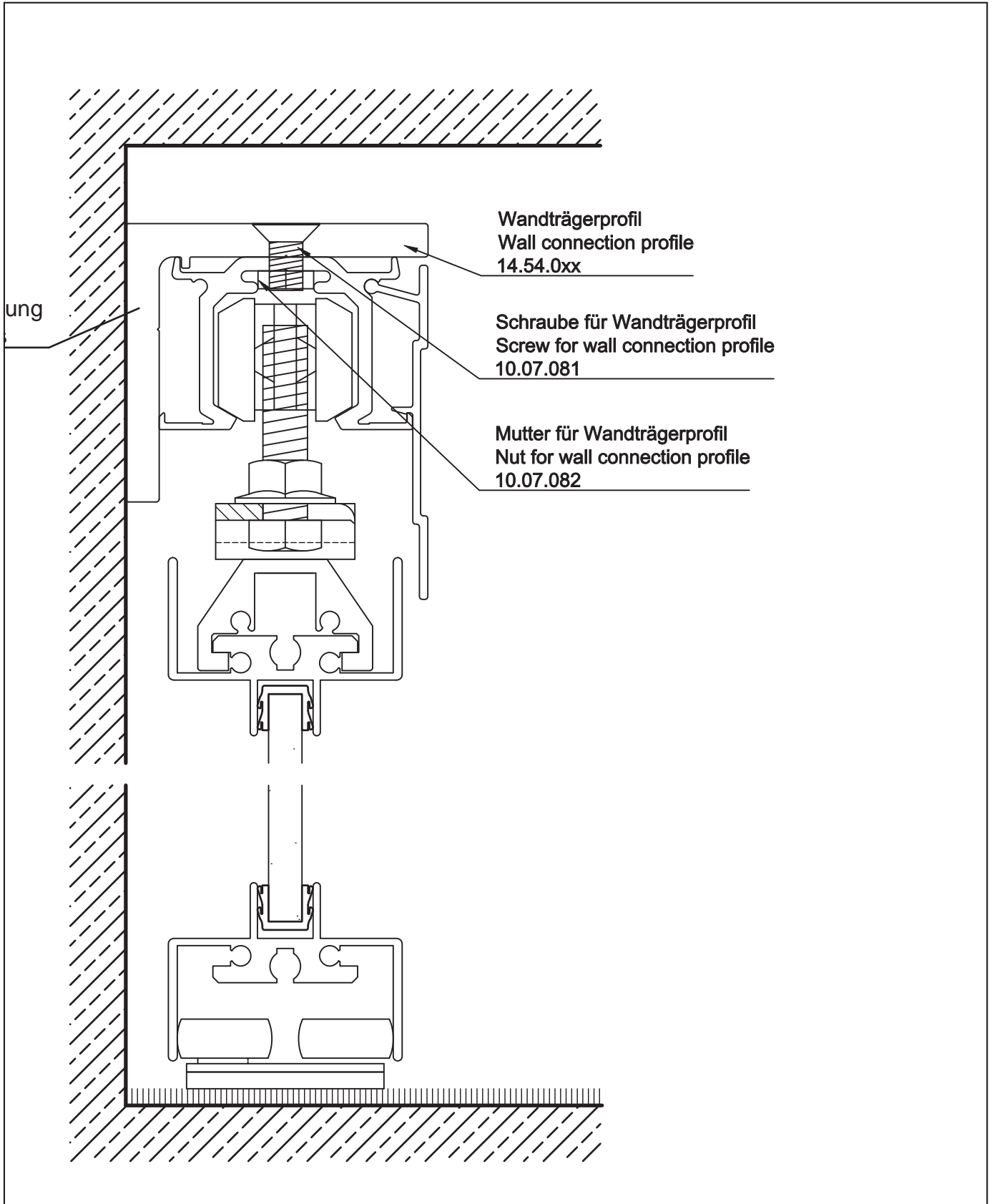


Finally clip the cover in front of the AIR track in order to cover the top roller.

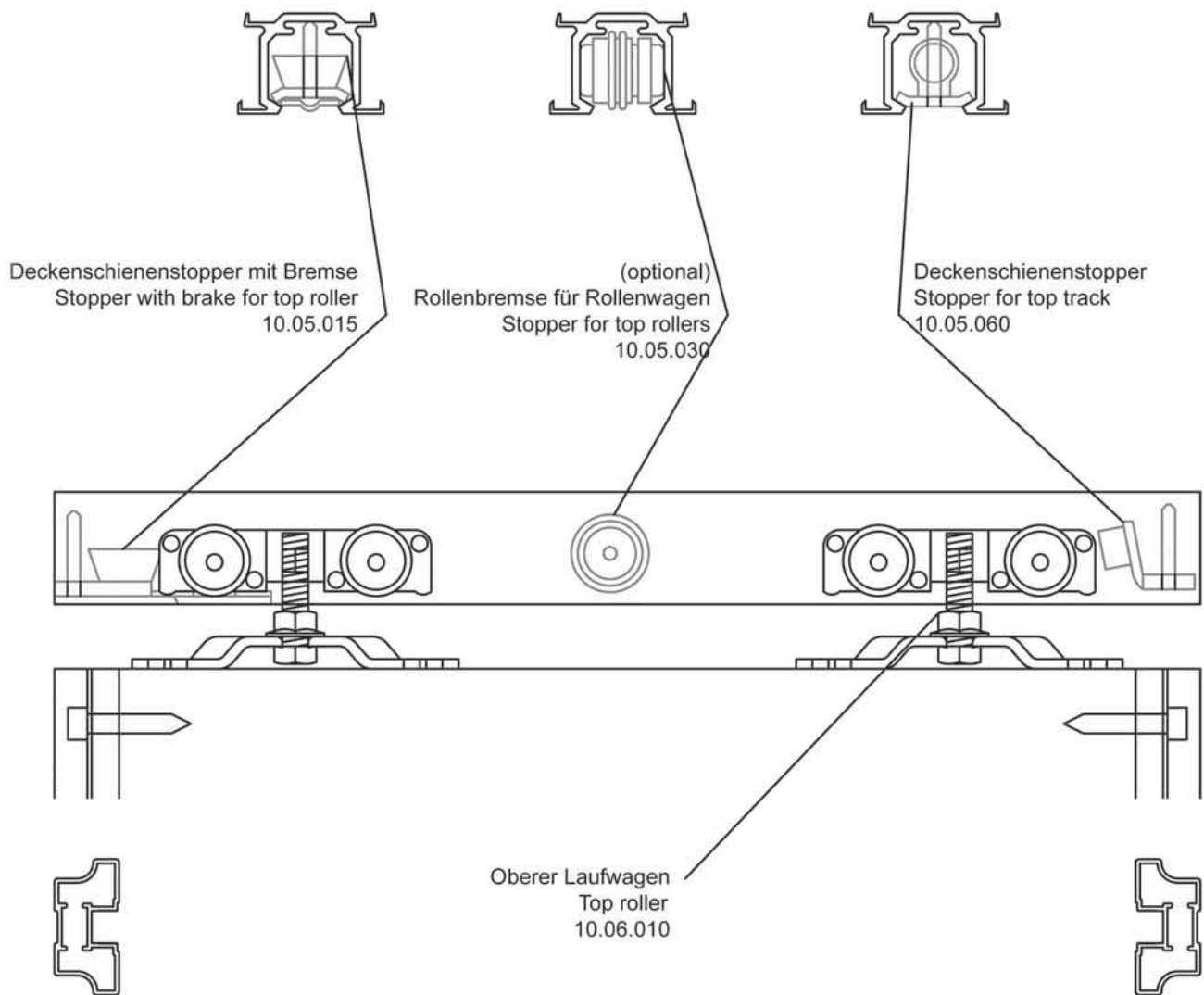
_DETAIL DRAWING



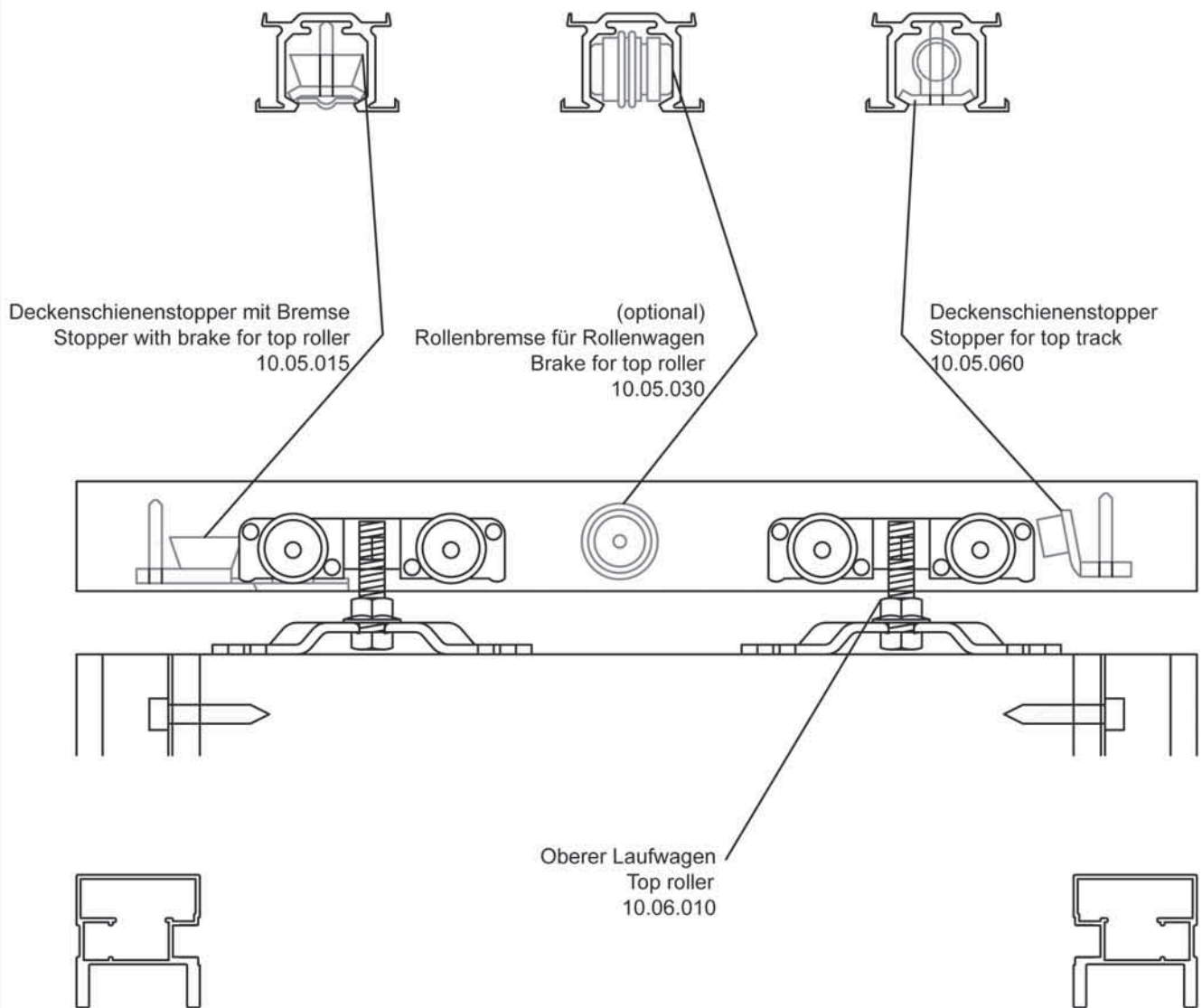
_DETAIL DRAWING



_DETAIL DRAWING SERIES 1500

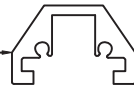


_DETAIL DRAWING SERIES 3000



_DETAIL DRAWING FITTINGS

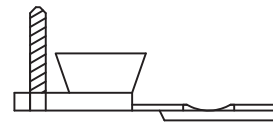
Halterung für Laufwagen
Fixation for top roller
10.06.040



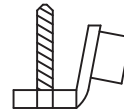
mit Schraube 6x16
with screw 6x16



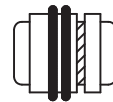
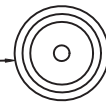
Deckenschienenstopper mit Bremse
Stopper with brake for top roller
10.05.015



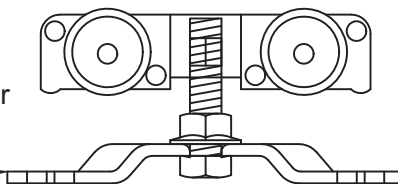
Deckenschienenstopper ohne Bremse
Stopper without brake for top roller
10.05.060



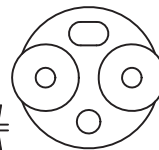
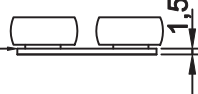
Rollenbremse für Rollwagen
Brake for top rollers
10.05.030



Laufwagen "System AIR" justierbar
Top roller "system AIR" adjustable
10.06.010



Grundplatte mit Rollen
Groundplate with rollers
10.05.020



Distanzplatte
Distance piece
10.05.025

