

INSTALLATION MANUAL

HUBER+SUHNER AG
Fiber Optics
Fiber Management Systems
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Optibox 32

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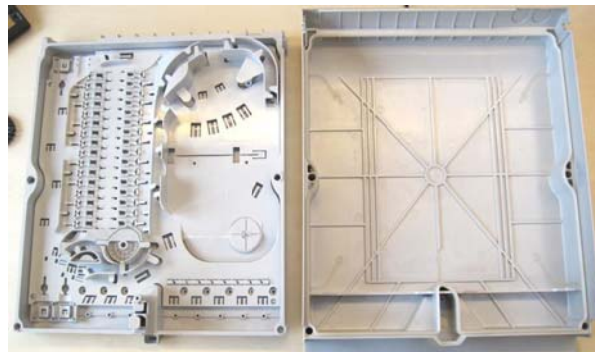
- ASSEMBLY INSTRUCTION . ERROR! BOOKMARK NOT DEFINED.



ASSEMBLY INSTRUCTION

Scope of delivery:

- 1 x OTB32 Base with screwed Inlay
- 1 x OTB32 Cover
- 8 x OTB32 U-Shapes
- 8 x OTB32 Fixing latches
- 1 x OTB32 Patchfield
- 4 x OTB32 Cover screws



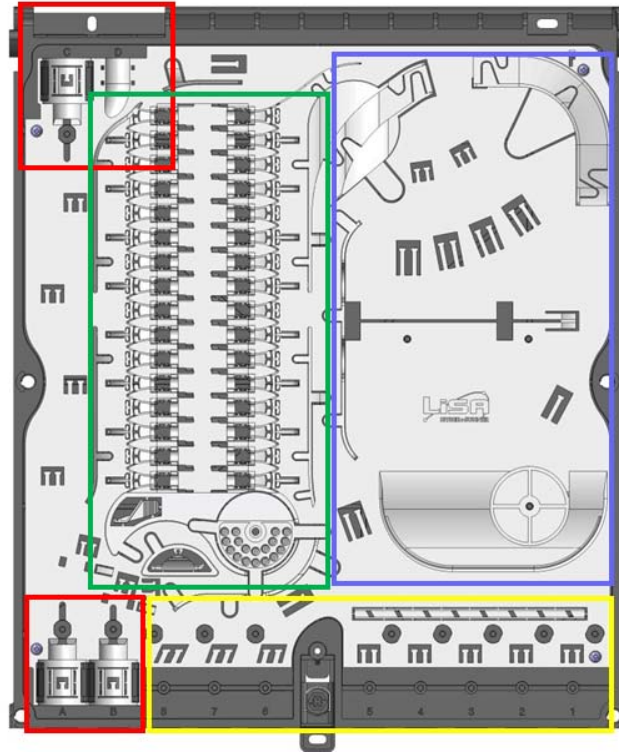
Required tools:

- Screw driver cross recess large
- Drilling machine
- Knife
- Saw
- Clipper
- Screws max. \varnothing 6 and suitable anchors for wall mounting



Installation:

- red: Cableentry A, B, C, D
- yellow: Cableexit 1...8
- green: Cableguiding and place for Cas-
settes
- purpel: Cableguiding, Patching, Over-
length storage



Step 1

Preparing Cable entries (U-Shape and Cable Glands)

At the bottom side of the box you can open 10 holes for Cable entry or exit with U-Shapes or Cable Glands (Pos. 1-8, A, B, C, D). If you are using Cable Glands you have to drill the right hole. You can only use M16 Cable Glands with a small form, if you need to use M25 Cable Glands you can only use every second position.

If you are using U-Shapes, you have to make a cut according to the red line on the picture. After that you can break out the rest of the material easily.



Step 2**Wallmounting Box**

For Wallmounting, put the Box on the wall, adapt the three fixing hole point to the wall. After that you can drill the holes and fix the box on the wall.

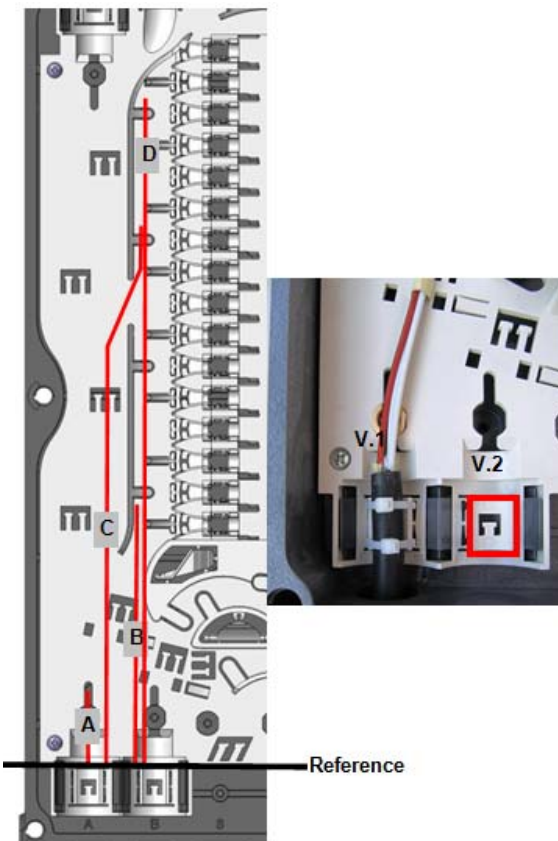
**Step 3****Cable entry and fixing**

V.1 Incoming cables kann be fixed with cable ties at Entrance A and B. The strenght member can be fixed with the strain relieve.

V.2 Depending on the diameter of the cable or the Gasblocker the inner part of the cable fixing section can be cut out to have more space for big diameters.

The following cable length according to the reference should be used during Installation:

- A: fixing strength member = 3.5cm
- B: incoming loose tube B = 12cm
- C: incoming loose tube = 25cm
- D: complete length for Fibers into the cassettes = 200 cm



Step 4

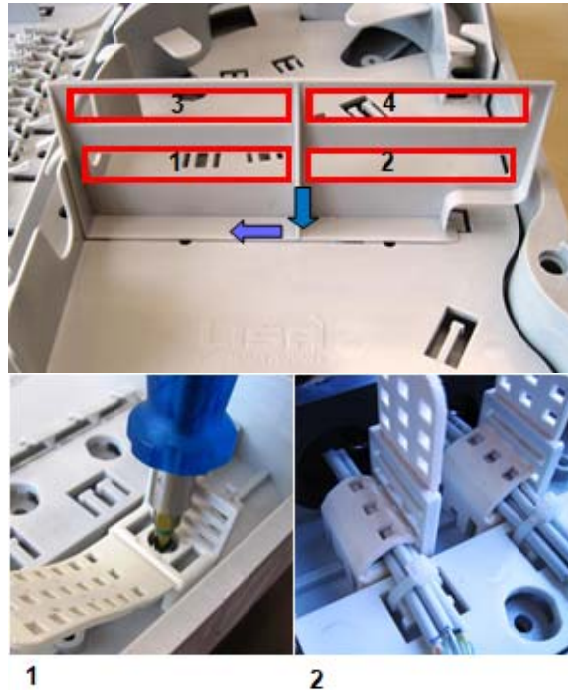
Mounting of Patchfield and Cable fixing latch

If you are using a Patchfield you have to snap it into the Inlay. Put the snappers into the cutout of the inlay and pull it to the left according to the blue arrows.

For a good accessibility you should try to populate the Adapters according to the sequence (1, 2, 3, 4)

Assembly of the cable fixing latches:
 Picture1: The Cable Fixing Latches can be screwed with the delivered PT Screws to the Cable Exits at the bottom.

Picture 2: The latches can cover different quantities and diameters of cables. You can fix the latch according to the cables in different positions.



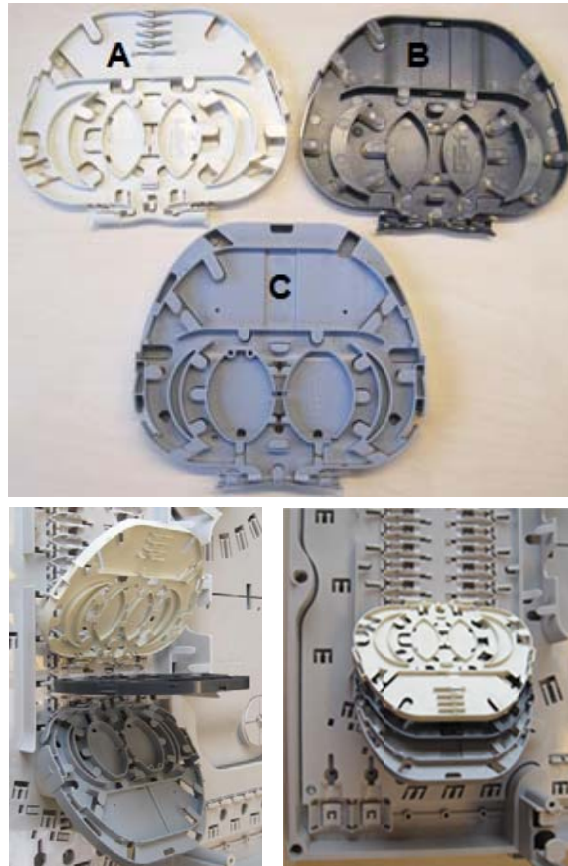
Step 5

Cassette versions:

The OTB32 can be populated with different Cassettes. You can use SCM [A], MCM [B] and Splitter Cassette [C]. Depends of the way the OTB32 should be populated, you can use the cassettes in that way you need to have them.

Assembly of the cassettes:

The cassettes can be snapped into the inlay with a 90° Angle. The Cassettes have to be positioned on the Inlay in the right position, than they have to be pressed into the inlay until they are snapped in. After that the cassettes can be moved defined to the front and to the back.

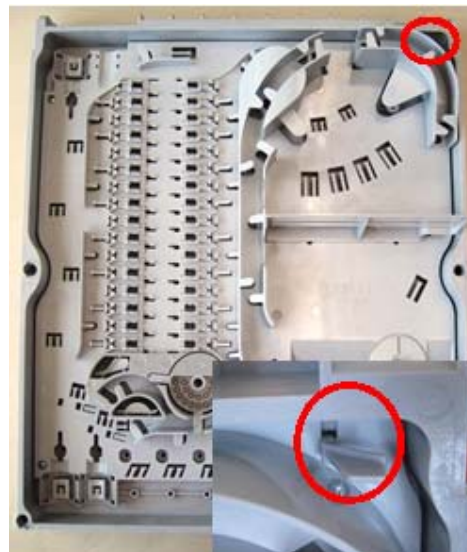
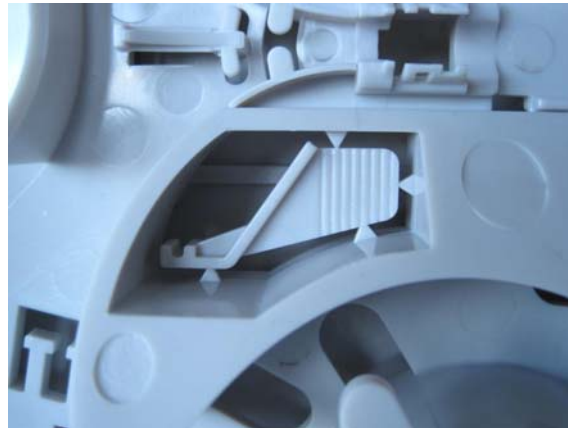


Step 6**ACS Cassette lock:**

The ACS Cassette Support can be used to secure single or several cassettes in an opened position. To use the ACS Cassette Support it must be broken away, after that it can be used for every cassette position

The ACS Cassette Support can be used as shown. It must be placed into the inlay and then pushed to the left or right side. For removing you need to make the same steps in the opposite direction.

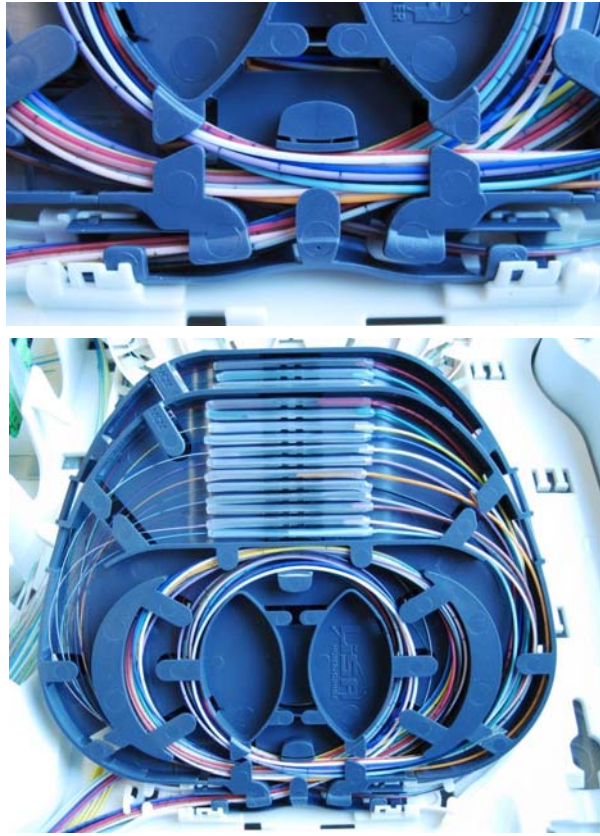
The broken out ACS Cassette Support can be placed in the shown position after using.



Step 7**Assembly of fibers:**

The ACS System can cover the following quantities of fibers:

24 pieces 250 μ m
24 pieces 600 μ m
12 pieces 900 μ m



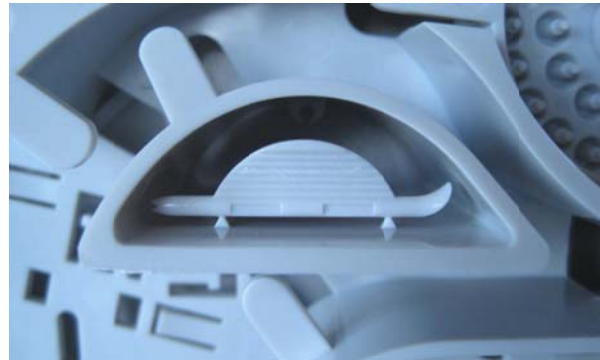
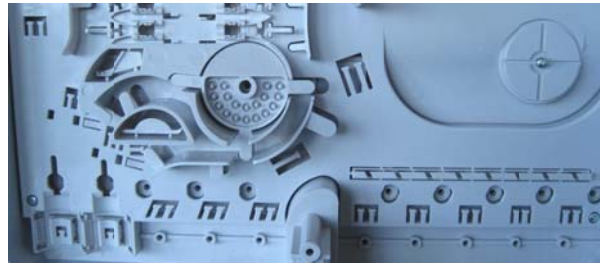
Step 8**Details of Inlay:**

The mounted round Downholder can be used to park dustcaps. The Downholder can also be broken away and screwed on the other position.

Detail Fiber Guiding Tool:

The Fiber Guiding Tool can be used to place single fibers in the OTB32. It can be broken away from its Position.

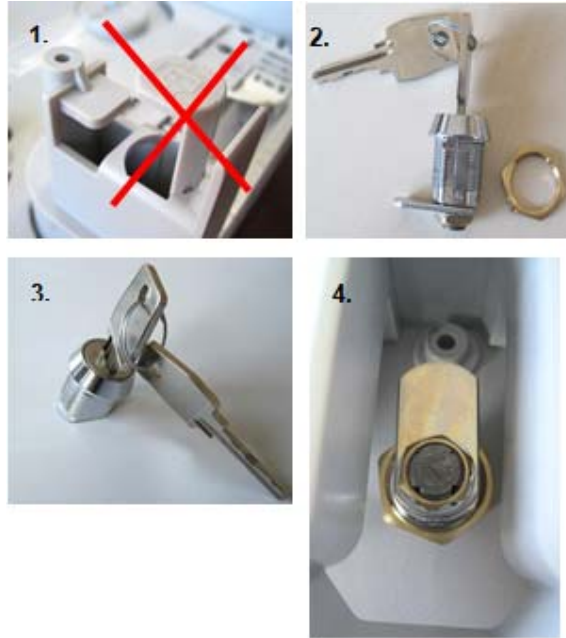
After using the fiber guiding tool, it can be snapped in as shown in the picture.



Step 9

Lock Assembly:

If the box is ordered with a lock and the lock should be assembled, you should start this way. Break out the Logo holder (1.), after that the lock (2.) can be assembled. You can bring in the lock from the top of the cover (3.) and fix the lock by screwing (4.). The nut must be assembled from the bottom side. It has to be pushed over the locking handle, after that it can be screwed with a screw wrench.



Step 10

Splicing Configuration

