

User Manual

Adjusting Device for Installation of HD-Lock Striking Plate – Ord. No. 102935.0



User Manual

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User Manual Adjusting Device for HD-Lock striking plate

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1 General

The adjusting device is used for correct alignment of the striking plate of the locking device HD-Lock (Ord. No.: 102000.12/.2 as well as HD-Lock of all series which are refitted with 102930.0). By using the adjustment device, it can be ensure that the bolt of the HD-Lock extend centrally into the recess of the striking plate when it is engaged.

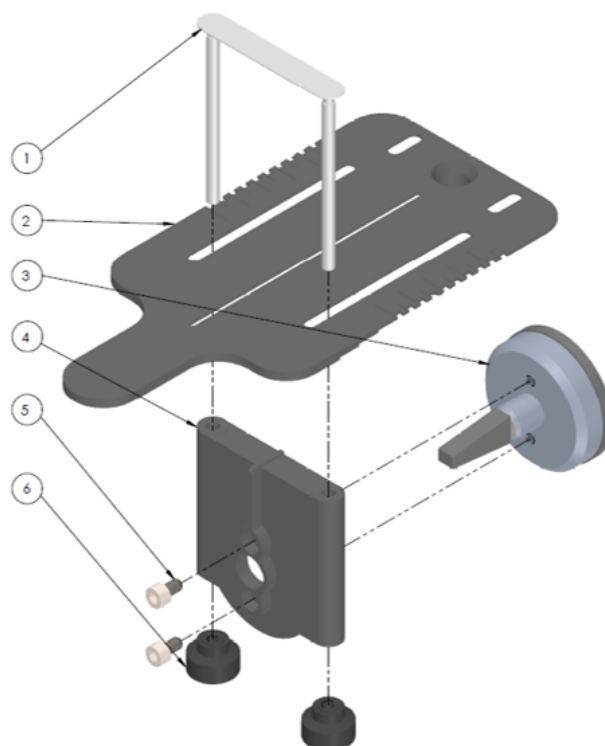
In addition, the measuring scale on the sides of the adjusting device allows parallel alignment of the striking plate, which is necessary for correct door detection.

Features of adjusting device

- Light weight (~140g)
- Sea water proof
- No tool needed
- When used properly, the door and frame are protected against scratches

2 Construction

The adjusting device consists of the components which are shown in figure 1. Due to the simple construction, the adjustment device can be disassembled if necessary, e.g. for easy transport.



Pos. No.	Pcs.	Benennung	Description
1	1	Schraubzwinge	Screw clamp
2	1	Justagehilfe	Adjustment Unit
3	1	Saugeinheit	Suction Unit
4	1	Träger	Beam
5	2	Zylinderschraube ISO 4762 M5x8	Cylinder Head Screw ISO 4762 M5x8
6	2	Rändemutter M5	Knurled Nut M5

Figure 1: Assembly drawing

3 Adjustment of Striking Plate

To be able to align the striking plate using the adjusting device, it must first be placed with the base plate and the insulating layer in the recess of the door leaf. The screws must be fastened but not yet tightened. Measures must be taken to prevent galvanic corrosion and to ensure that the screws are secured.



Figure 2: Striking plate in recess

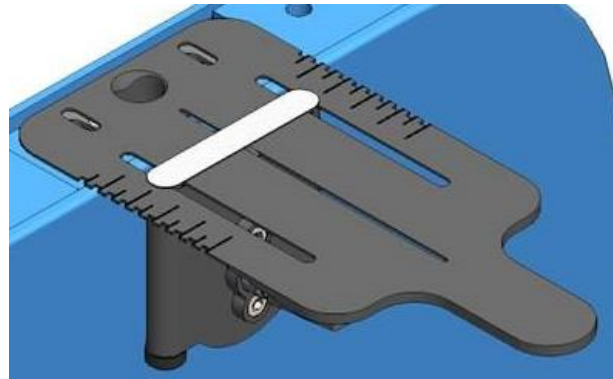


Figure 3: Adjusting device on the door

The adjusting device can now be inserted into the striking plate. The handle must point in the direction of the door (outside) (see figure 3). Make sure that the fixing screws (knurled nuts) on the adjusting device are released. This allows the suction cup to be moved and pressed against the door leaf. As soon as the lever on the suction cup is folded down, the adjusting device is held by it on the door. At this point, check whether the striking plate can be moved easily with the adjusting device. If this is not the case, ensure that:

- The fastening screws of the striking plate are not already tightened
- The knurled nuts on the adjustment unit are not tightened
- The adjusting device is not tilted
- No foreign objects have gotten into the guide grooves of the adjusting device
- There are no foreign objects in the recess for the striking plate in the door

Now, the door can be closed. As soon as the bolt of the HD-Lock moves out, you have to try to position the adjusting device so that the bolt moves into the intended hole.

(It is recommended to use the programming device 102900.3 as this allows direct control and feedback for the HD-Lock)

When the bolt moved into the intended hole, it is essential that the striking plate is aligned parallel to the lateral measuring scale. Here, care must be taken to ensure that the right and left measuring scales are aligned identically to the door leaf. Afterwards the knurled screws of the adjusting device can be tightened.

Now, the bolt can be retracted again to open the door and to tighten the screws of the striking plate. The maximum tightening torque of 4.3 Nm must not be exceeded.

After removing the adjusting device, it is necessary to check the functionality and free movement of the HD-Lock bolt considering the following steps:

- Close the door (bolt must be engaged).
- Check the free movement of the bolt
- Let the bolt extend and then activate the sea waterproof function.
- Check the free movement of the bolt
- Let the bolt extend and operate the door handle (the door can now be pushed open through the door seal).
- Check the free movement of the bolt

If all the steps described above have not caused the bolt to jam or strip, the striking plate is properly aligned and the HD-Lock is ready for use.

Notes:

[illegible]