

Installation instructions for belt drive (DBD)

1. Attach base plate (1) to linear unit.
2. Push driven synchronising disc (2) with clamping set (3) onto drive shaft of linear unit until the distance between the flanged disc and the base plate (1) is approx 1 mm, then tighten the clamping set.
3. Attach drive motor to base plate (1) and lightly secure the fastening screws such that the motor can still just be moved.
4. Loop the toothed belt (5) around the driven synchronising disc (2), suspend the driving synchronising disc (4) in the toothed belt (5) and push onto the motor shaft (with or without clamping set, depending on version) until the distance between the flanged disc and the base plate (1) is also approx. 1 mm in this case. Then secure the driving synchronising disc (4) (tighten clamping set or clamping screw, depending on version).
5. Correctly tension the toothed belt (5) by moving the motor and tighten the fastening screws. The belt tension depends on the following factors:
 - Toothed belt in use
 - Drive torque
 In order to prevent damage to the motor mounting/linear unit mounting and the shafts, ensure that the toothed belt is not excessively tensioned.
6. Attach the enclosure lid (6) to the base plate (1) and secure with screws.

