

Installation Instructions

Schindler Varidor 30,
Schindler Varidor 50

with

door operator

TSG

Documentation history

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Fordern Sie die Umbauanleitung **auf Deutsch** an, indem Sie den QR Code einscannen.

Demandez les instructions d'instruction de montage **en français**, en scannant le code QR.

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1 Essential information

1.1 Value of assembly instructions

The product assembly instructions are provided by the manufacturer or supplier to provide the information required by the customer or fitter to ensure proper, safe and reliable assembly. These brief assembly instructions serve to clarify the basic steps of mechanical assembly. The electrical connection, commissioning and settings of the TSG are explicitly not part of these instructions.

1.2 Copyright protection

We reserve all rights for this technical documentation. It may not be duplicated, made accessible to third parties or otherwise used in an unauthorised manner without our prior consent. Any changes require our explicit and prior written consent.

1.3 Instructions in the assembly manual

All instructions in the assembly manual must be followed without exception.

1.4 Informal activities performed by the fitter

The system fitter is personally responsible for participating in a training course. He or she must inform the manufacturer/supplier without delay of any missing or defective parts in the delivery.

1.5 Requirements for assembly personnel

Persons responsible for installation and maintenance must be instructed regarding generally applicable safety and labour health requirements. They must be familiar with Langer&Laumann products. Installation tools must be fully functional and measuring instruments must be subject to continuous monitoring.

2 Measure

Replacement of the Schindler Varidor 30 or Varidor 50 drive with a  **Langer & Laumann Ing. Büro GmbH TSG door drive.**

The aim of the conversion is to replace the existing Schindler Varidor drive by a TSG drive. The mechanics incl. toothed belt is retained in part.

3 Advantages

- Very economical package.
- A faulty control device and motor can be quickly and easily replaced with a TSG from  **Langer & Laumann Ing. Büro GmbH .**
- **Just a few** mechanical attachments are required.
- All necessary parts are included with delivery.
- The conversion is **very quick** and **easy** to perform.
- The electrical wiring can also be performed by **less experienced fitters**.
- **No hand-held** terminal is required for setting parameters. All parameters can easily be adjusted on the device.
- **Measurements are very easy** to perform.
- The conversion kit is available from  **Langer & Laumann Ing. Büro GmbH** as **warehouse inventory**.

4 Tools required

Open-end wrench 10, 13, 17, 19

Socket wrench 8, 10

Set of allen wrench

Screwdriver

Side cutter

5 Conversion instructions

**NOTE:**

The order of installation listed here is only a recommendation.
There is no demand of completeness.

**NOTE:**

The instruction describes the conversion of a left telescoped opening door. In a telescoping right opening door, the material is installed in mirror image.

1. Dismantling of the existing Schindler Varidor50 drive. The front toothed belt and the fundamental mechanic will be retained.
2. Temporary dismantling from the actuator of the expanding skate at the machine door.
3. Releasing the counter roller so that the toothed belt can be removed from the large pulley.
4. Dismantling of the large pulley and the axis. (see Fig. 3: dismantled tooth belt pulley, mounted new axis / page 8).
5. Installation of the new axis (supplied)
6. Setting up the supplied double toothed pulley on axis and fixing by turning the screw in the axis (see Fig. 6: mounted new double toothed pulley / page 9).
7. TSG drive (without toothed belt) with adapter plate stuck through the door machine existing, old motor-fixing and screws (perhaps, use two adapter plates in order to obtain the required depth). In this use, among other things, the two slots in order to can stretch the belt later (see Fig. 7: mounted TSG drive with adapter plate / page 10).
8. Assembly of the TSG toothed belt on axis from the TSG drive and screw down.
9. Replacing the TSG endless belts on double pulley and TSG drive. Stretching the belt by turning the TSG drive and tightening the screws on the drive (see Fig. 8: mounted TSG drive and replaced toothed belt to double toothed pulley / page 10).
10. Replacing the existing toothed belt from the machine door on double toothed pulley. Stretch through adjusting the guide roller (see Fig. 9: fully mounted TSG drive with replaced toothed belt / page 11).
11. Mounting from the actuator of the expanding skate at door machine (see Fig. 10: fully mounted TSG drive in Schindler Varidor 50 / page 11).
12. Measuring of the TSG electronic. It should be noted that in both cases - in the open and in the closed position - a fixed stop is present. For further commissioning and electrical connection is made at this point out to the manual of the TSG.

6 Illustrations



Fig. 1: Schindler Varidor 50 original (here: telescoping left)



Fig. 2: Schindler Varidor 50 original (here: telescoping left)



Fig. 3: dismantled tooth belt pulley, mounted new axis



Fig. 4: dismantled tooth belt pulley, mounted new axis



Fig. 5: dismantled tooth belt pulley, mounted new axis



Fig. 6: mounted new double toothed pulley

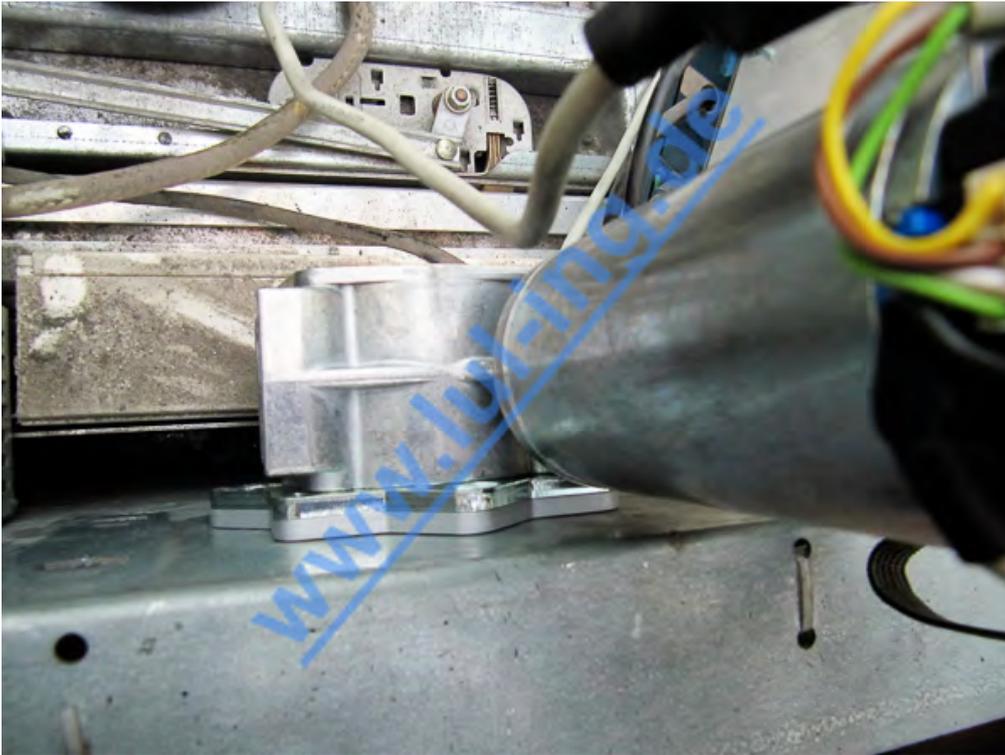


Fig. 7: mounted TSG drive with adapter plate

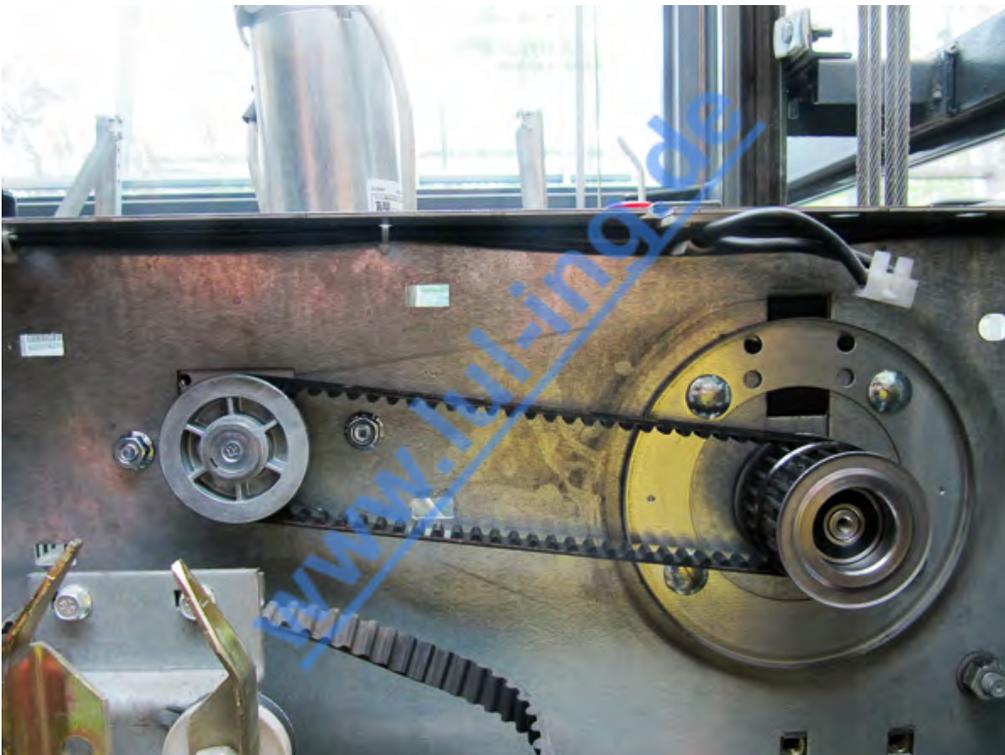


Fig. 8: mounted TSG drive and replaced toothed belt to double toothed pulley



Fig. 9: fully mounted TSG drive with replaced toothed belt



Fig. 10: fully mounted TSG drive in Schindler Varidor 50

7 Contact

For questions and/or obscurities we can be reached at the following address:

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