

# Conversion instructions

## Prisma Linear D.O.S.

with device series

## Door operator

## TSG

## Documentation history

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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 Activity performed

Replacement of the Prisma Linear D.O.S. drive with a  **Langer & Laumann Ing. Büro GmbH TSG door operator**

## 3 Advantages

- Very economical package.
- A faulty Jaguar 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

Metal drill bits 6, 9, and 11 mm  
Fork wrenches size 10, 13, 17, 19  
Allen wrench size 3  
Screwdriver  
Side cutter

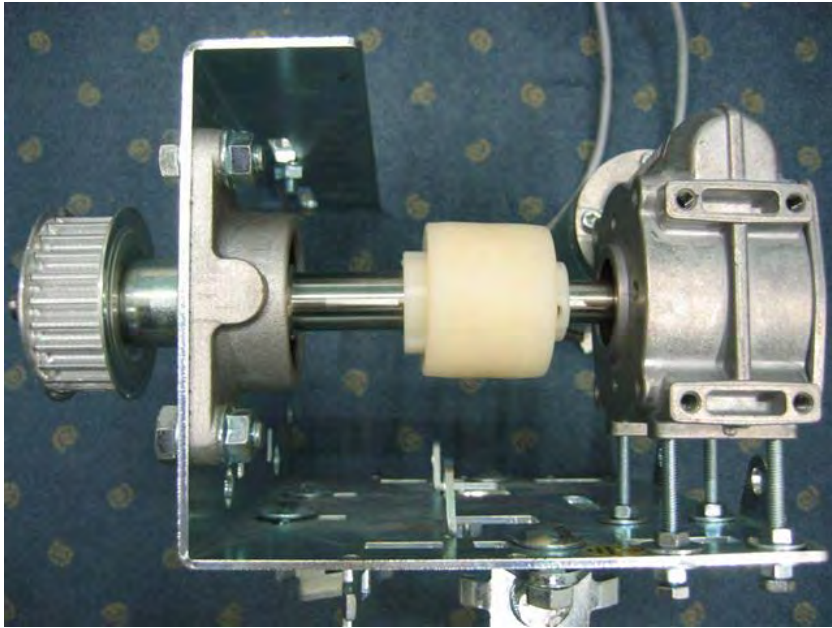
## 5 Conversion instructions

1. Please remove all packaging and check against the parts list for completeness.
2. Disassemble the old drive motor, rocker and large pulley.
3. Loosen the nut on the pinion of the continuous shaft. Then replace it with the adapter shaft (item 1) included with delivery.
4. Use the drill template (see also Fig. 5: Drill template for motor fastening / page 10) to mark and drill holes for fastening the motor onto the base plate.
5. Fit the drive motor together with pocket section coupling on the adapter shaft.
6. Mount the drive motor on the base plate using the two brackets (see also Fig. 3: TSG drive with bracket (Height adjustable via screws) / page 9) and align the drive.
7. Mount the closing bracket as described in Fig. 4: Closing bracket for expander skate / page 9. The bracket serves to stabilise the expander blade in the Door Closed position.
8. For information regarding electrical commissioning, please refer to the enclosed operating instructions.

## 6 Parts list

Item	Article number	Name	Quantity
1	1.20.30710	Adapter shaft	1
2	1.20.30715	Motor bracket	2
3	1.20.30720	Hub section coupling	1
4	1.20.30730	Pocket section coupling	1
5	1.20.30740	Hub section coupling	1
6	1.20.30760	Feather key 6 x 6 x 20 [mm]	1
7	1.20.30780	Closing bracket (image/mirror image)	2
8	8.20.4000x.K1	Motor, large left and gearbox 24V/2.8A/1:15	1
9		Fastening materials for motor	1
10	8.20.00101.xx	TSG electronic in closed housing	1
11	1.20.30790	Documentation for conversion of Prisma Linear DOS to TSG400	1
12	1.20.91000	TSG manual	1

## 7 Illustrations



**Fig. 1: Side view**

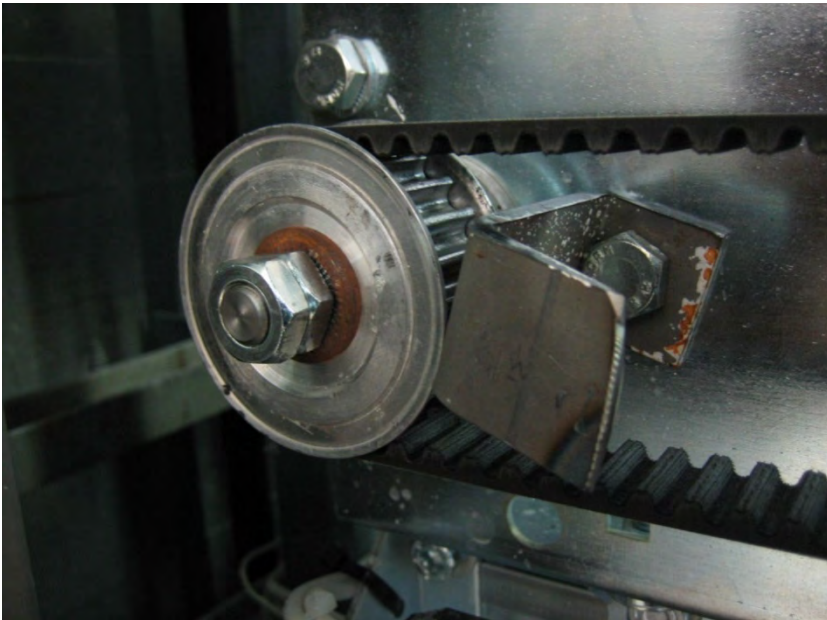


**Fig. 2: Adapter shaft + coupling**





**Fig. 3: TSG drive with bracket (Height adjustable via screws)**



**Fig. 4: Closing bracket for expander skate**

## 8 Drill template for motor fastening

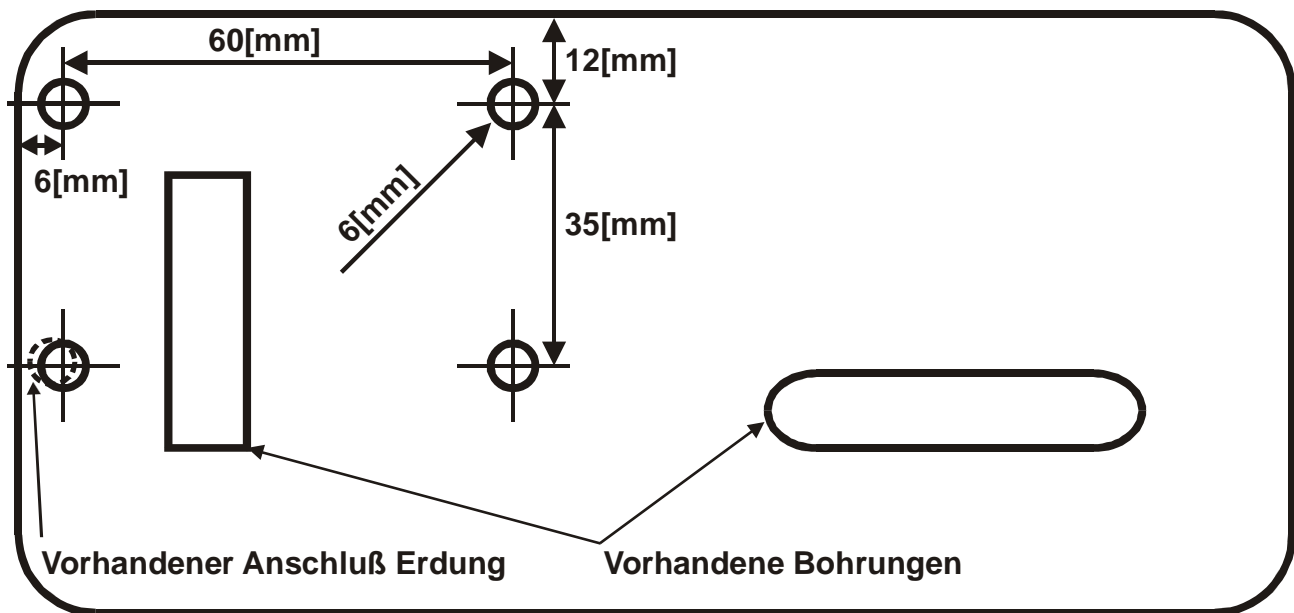


Fig. 5: Drill template for motor fastening

## 9 Contact

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