

# **Umbauanleitung** **Assembly Instruction**

## **TSG in Schindler Varidor 20 –** **TSG in Schindler Varidor 20**

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**TR + Z**



**TL spiegelbildlich –**  
**TL mirrored**

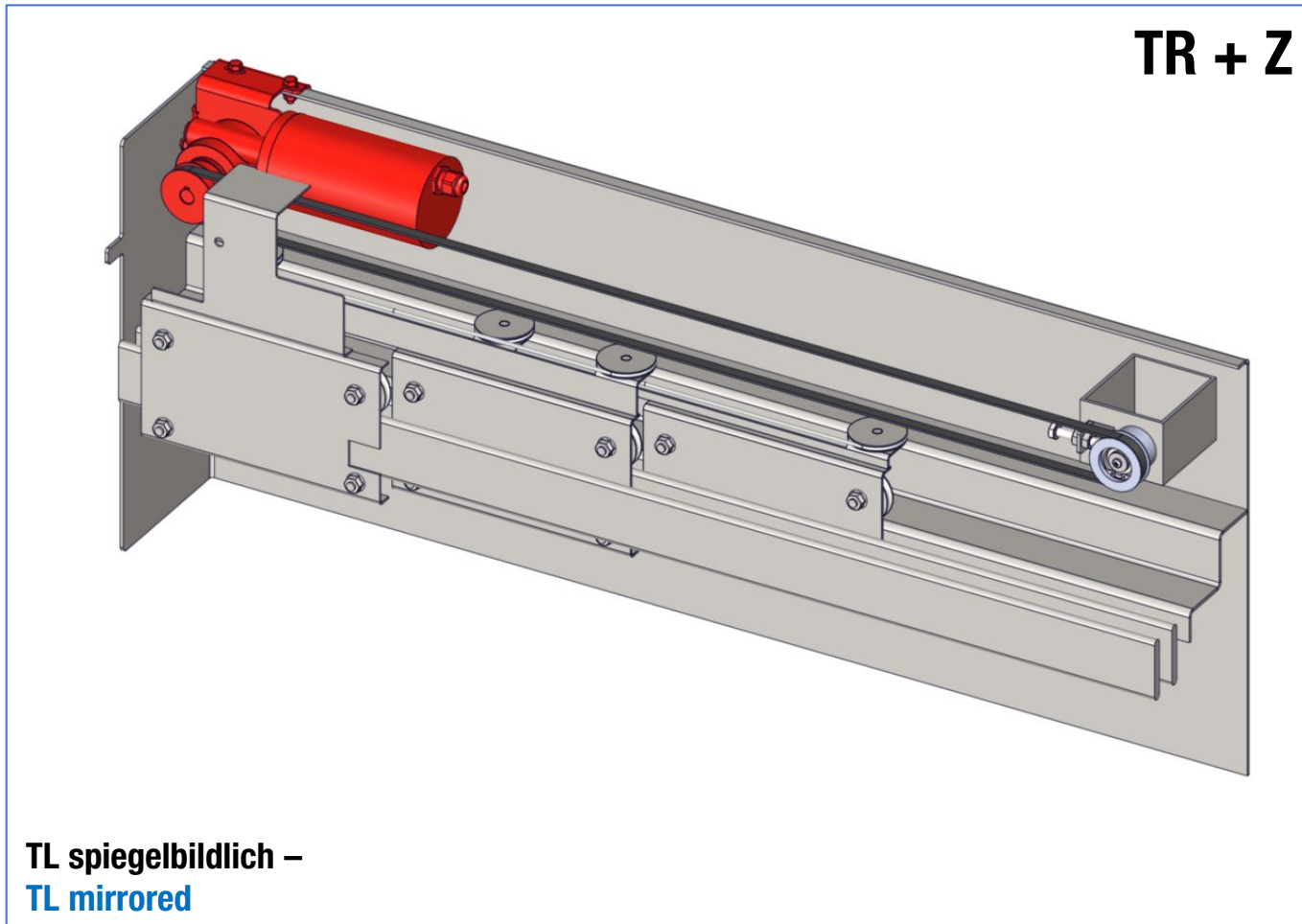
## Lieferumfang – scope of supply



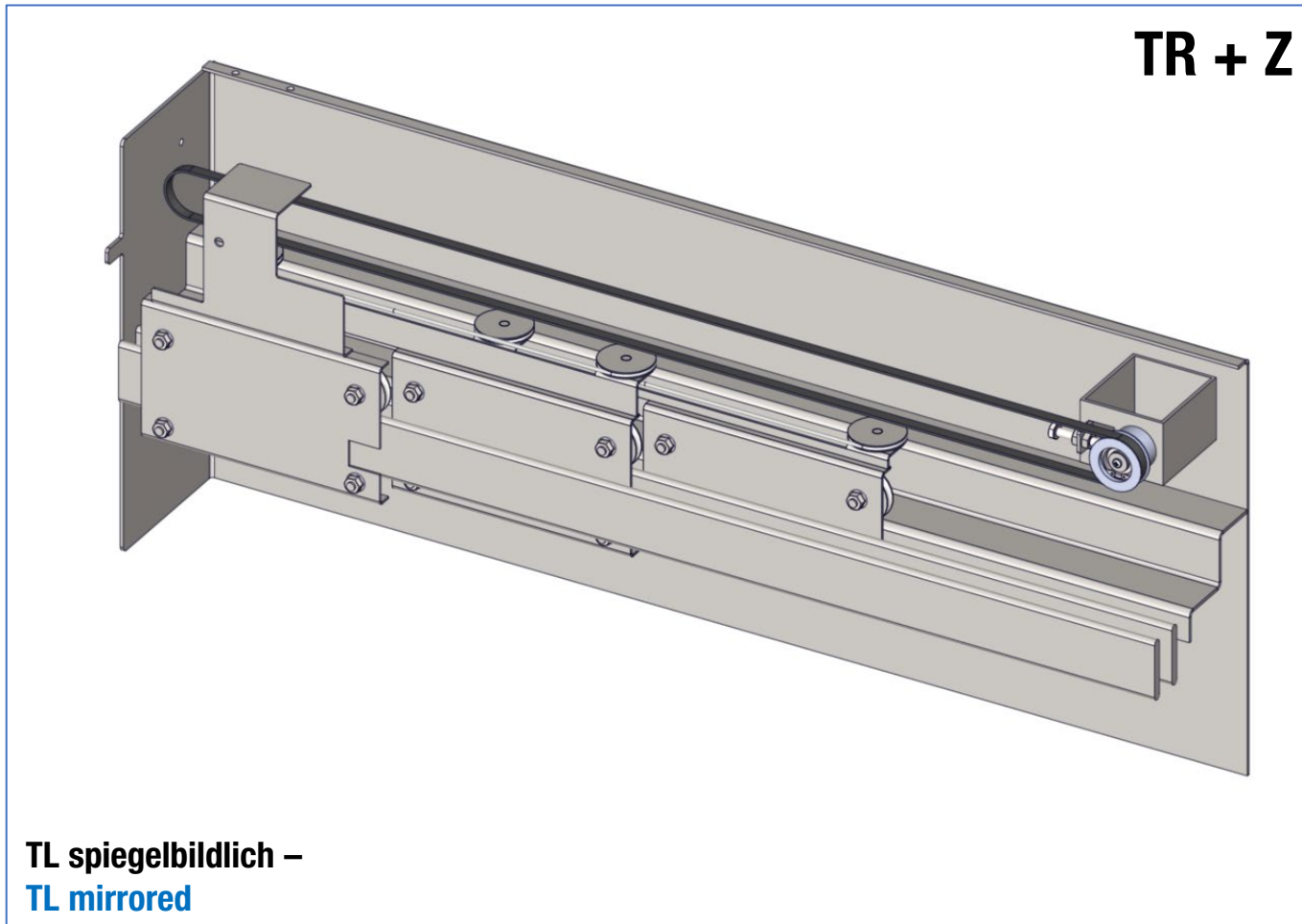
| picture                                                                             | Number        | description DE                                      | description EN                                               | quantity |
|-------------------------------------------------------------------------------------|---------------|-----------------------------------------------------|--------------------------------------------------------------|----------|
|     | 8.20.00101.04 | TSG V4 Lift Door Operator -Electronic extern-       | TSG V4 Lift Door Operator -Electronic extern- 230[VAC]/50-60 | 1        |
|    | 8.20.4000x    | Motor Gross & Getriebe, ohne Zahnrad, 24V/5,1A/1:15 | motor large & gearbox, without wheel, 24V/5,1A/1:15          | 1        |
|    | 1.20.30945    | Anschlagpufferhalter für Varidor20                  | bump stop holder for Varidor 20                              | 1        |
|    | 1.20.30940    | TSG Motorhalter Varidor20                           | holder for TSG motor Varidor 20                              | 1        |
|    | 1.20.59070    | Halterung Puffer                                    | rectangular stop                                             | 1        |
|   | 1.20.60195    | Zahnriemenrad, HTD5M, d=14H7, D=43[mm], B=25[mm]    | timing belt pulley, HTD5M, d=14H7, D=43[mm], B=25[mm]        | 1        |
|  | 1.36.00720    | Sperrzahnschraube WN0274 A2C 8.8 - M8x20            | hexagon head serrated screw WN0274 A2C 8.8 - M8x20           | 2        |
|  | 1.36.00138    | Sperrzahnschraube WN0274 A2C 8.8 - M6x16            | hexagon head serrated screw WN0274 A2C 8.8 - M6x16           | 6        |

| picture                                                                             | Number     | description DE                                             | description EN                                               | quantity |
|-------------------------------------------------------------------------------------|------------|------------------------------------------------------------|--------------------------------------------------------------|----------|
|    | 1.36.00008 | Linsenschraube DIN7985 vz 4.8 - M4x20                      | pan head screw DIN7985 vz 4.8 - M4x20                        | 1        |
|    | 1.36.00358 | Senkkopfschraube mit Innensechskant DIN7991 vz 8.8 - M6x12 | countersunk head screw w.recessed head DIN7991 vz8.8 - M6x12 | 4        |
|    | 1.36.02125 | Sechskantschraube Vollgewinde DIN933 vz 8.8 - M8x80        | hexagonal bolt, thread up to head DIN933 vz 8.8 - M8x80      | 1        |
|    | 1.36.00118 | Sechskantdistanzmuffe vz 8.8 - M8x30                       | hexagonal spacer sleeve vz 8.8 - M8x30                       | 1        |
|    | 1.20.91120 | Gummipuffer D30x15, Gewindebolzen M8x20, 75 Shore          | rubber-metal bump stop D30x15, threaded stud M8x20, 75 Shore | 1        |
|    | 1.36.00501 | Sperrzahnmutter, ähnlich DIN6923 vz - M8                   | serrated locking nut, similar to DIN6923 vz - M8             | 3        |
|   | 1.36.00502 | Sperrzahnmutter, ähnlich DIN6923 vz - M6                   | serrated locking nut, similar to DIN6923 vz - M6             | 2        |
|  | 1.36.01035 | Scheibe großer Durchmesser DIN9021 vz - 8,4                | washer with large outside diameter DIN9021 vz - 8,4          | 1        |
|  | 1.36.00451 | Kotflügelscheibe DIN522 vz - 4,3x25x1,25                   | wing repair washer DIN522 vz - 4,3x25x1,25                   | 1        |

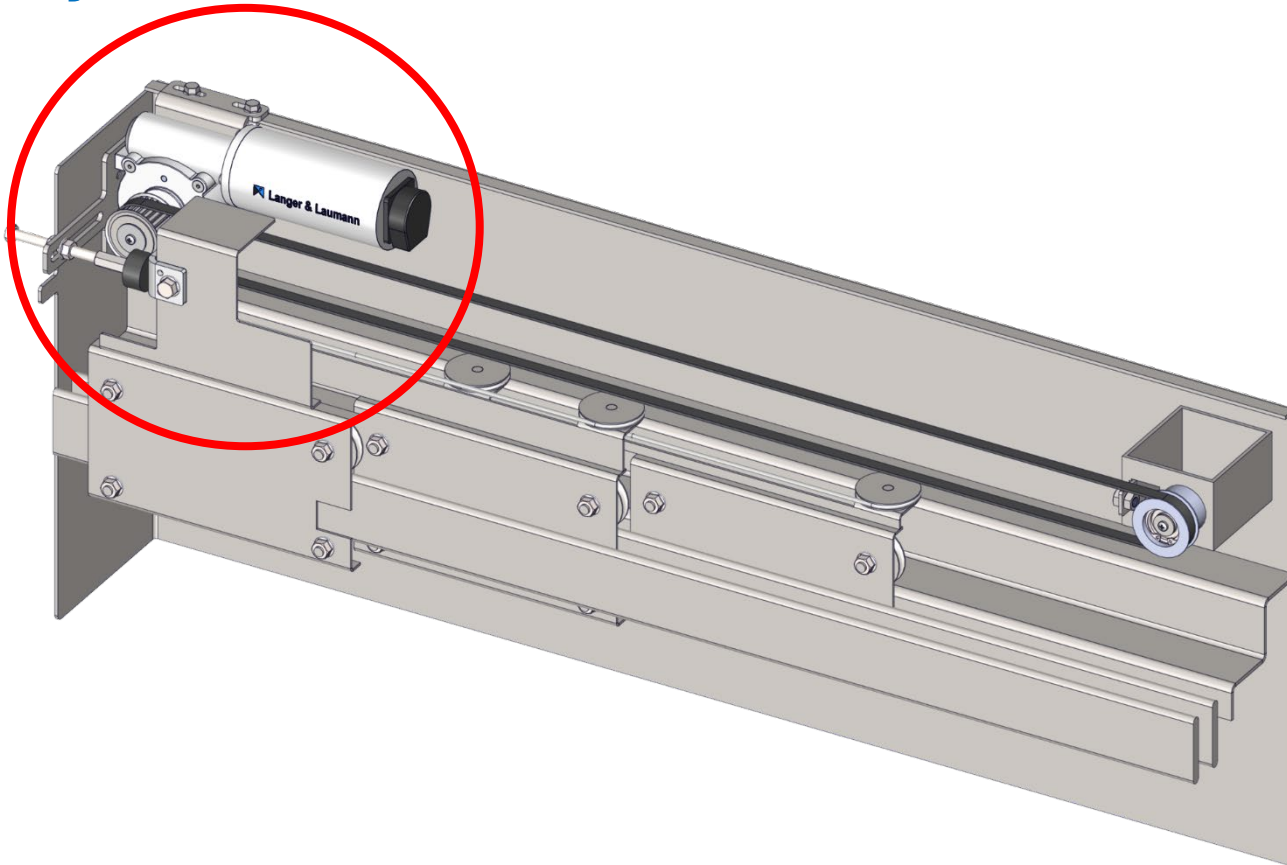
## Vor Umbau entfernen – remove before conversion

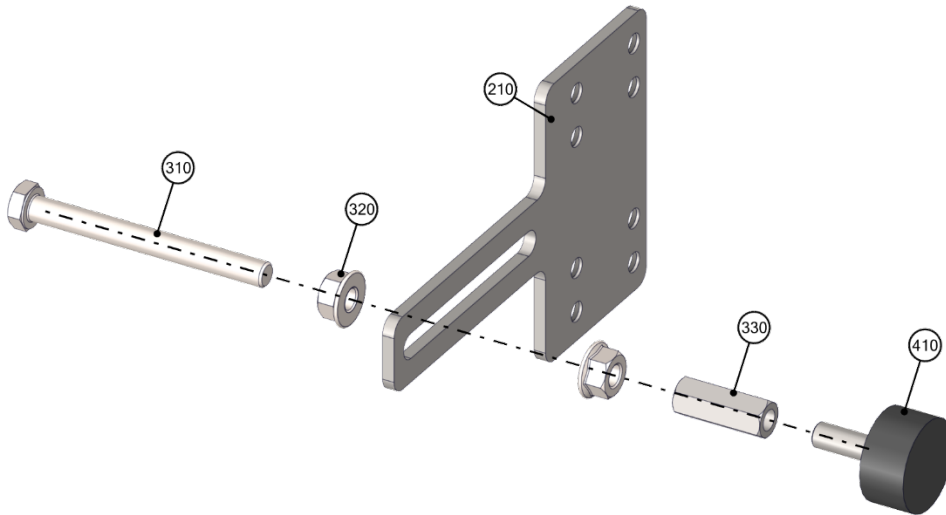


## Nach Demontage – after disassembly

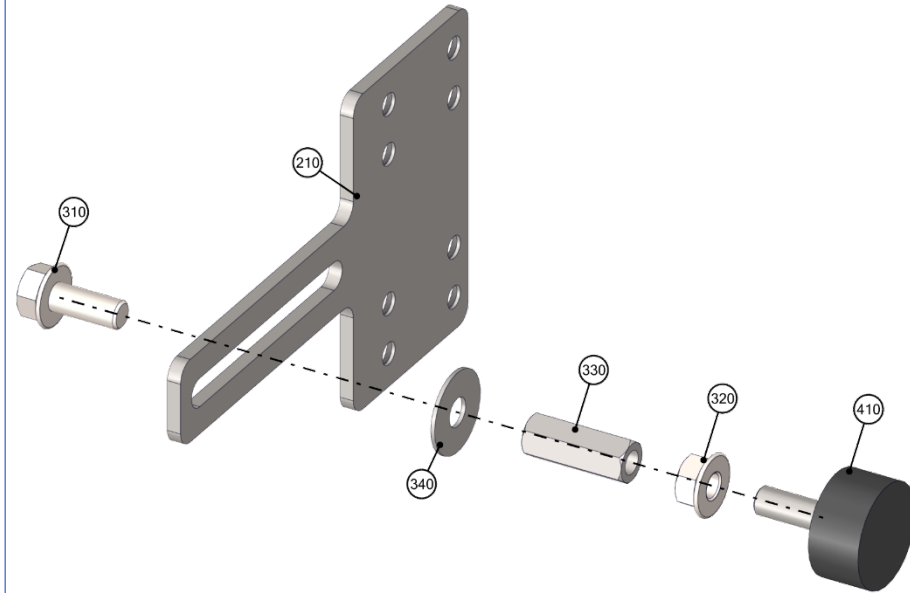
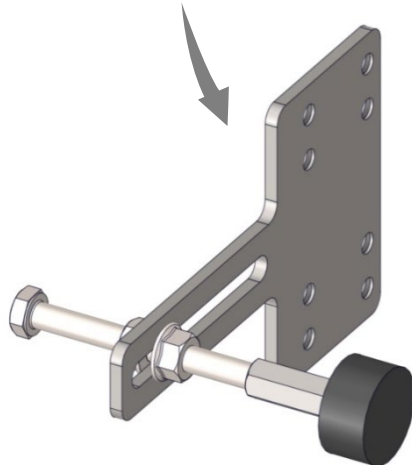


## Montage Motor – assembly of the motor

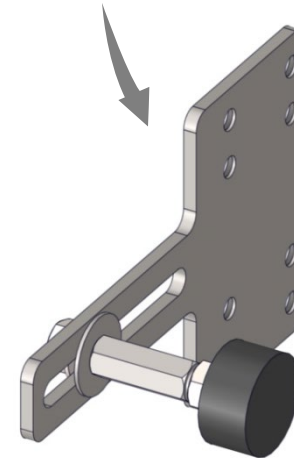




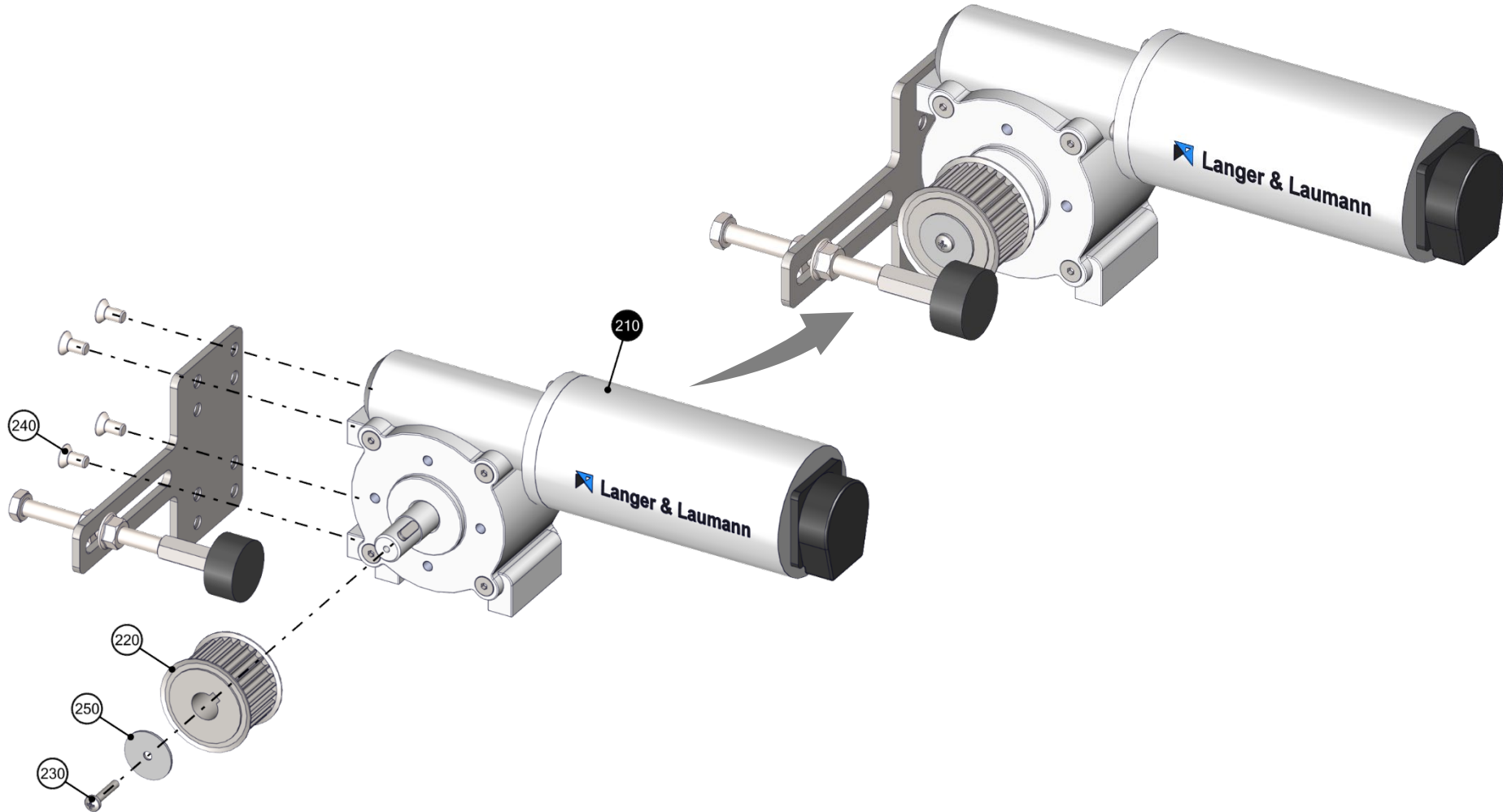
| Pos. | Number      | Description DE                                 | Description EN                                               | Menge |
|------|-------------|------------------------------------------------|--------------------------------------------------------------|-------|
| 210  | 01.20.30945 | Anschlagpufferhalter für Varidor 20            | bump stop holder for Varidor 20                              | 1     |
| 310  | 01.36.02125 | Sechskantschraube ISO 4017 - M8x80 - 8.8, vz   | hexagonal bolt, thread up to head DIN933 vz 8.8 - M8x80      | 1     |
| 320  | 01.36.00501 | Sperrzahnmutter ähnlich DIN6923 vz - M8        | serrated locking nut, similar to DIN6923 vz - M8             | 2     |
| 330  | 01.36.00118 | Sechskantdistanzmuffe vz 8.8, 8x30             | hexagonal spacer sleeve vz 8.8 - M8x30                       | 1     |
| 410  | 01.20.91120 | Gummi Metall Puffer 30x15, M8x20 Gewindebolzen | rubber-metal bump stop D30x15, threaded stud M8x20, 75 Shore | 1     |



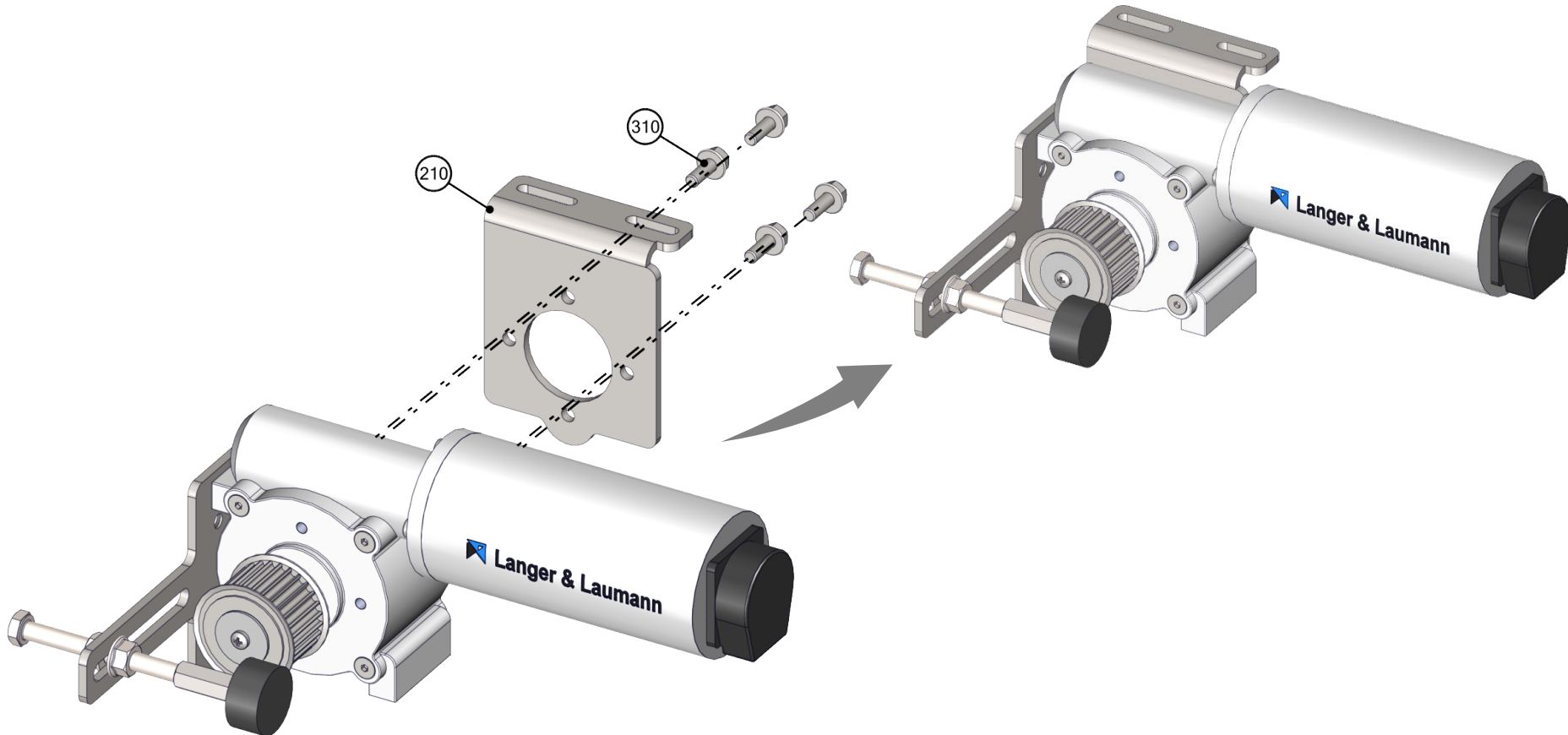
| Pos. | Number      | Description DE                                 | Description EN                                               | Menge |
|------|-------------|------------------------------------------------|--------------------------------------------------------------|-------|
| 210  | 01.20.30945 | Anschlagpufferhalter für Varidor 20            | bump stop holder for Varidor 20                              | 1     |
| 310  | 01.36.00720 | Sperrzahnschraube WN0274 A2C 8.8 - M8x20       | hexagon head serrated screw WN0274 A2C 8.8 - M8x20           | 1     |
| 320  | 01.36.00501 | Sperrzahnmutter ähnlich DIN6923 vz - M8        | serrated locking nut, similar to DIN6923 vz - M8             | 1     |
| 330  | 01.36.00118 | Sechskantdistanzmuffe vz 8.8, 8x30             | Sechskantdistanzmuffe vz 8.8, 8x30                           | 1     |
| 340  | 01.36.01035 | Scheibe DIN 9021-8.4-140 HV, vz                | washer with large outside diameter DIN9021 vz - 8.4          | 1     |
| 410  | 01.20.91120 | Gummi Metall Puffer 30x15, M8x20 Gewindebolzen | rubber-metal bump stop D30x15, threaded stud M8x20, 75 Shore | 1     |



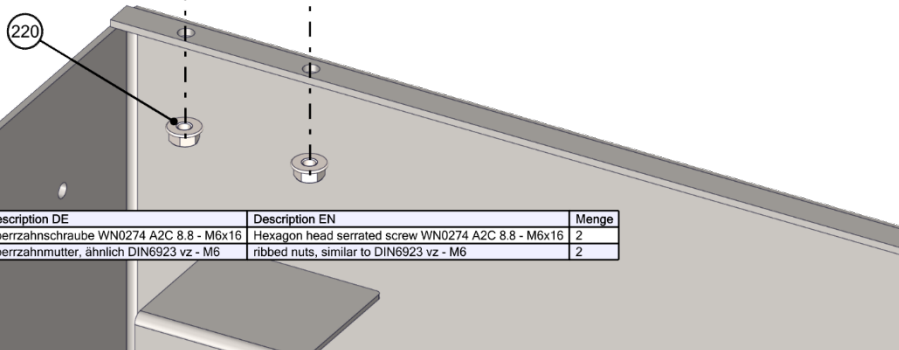
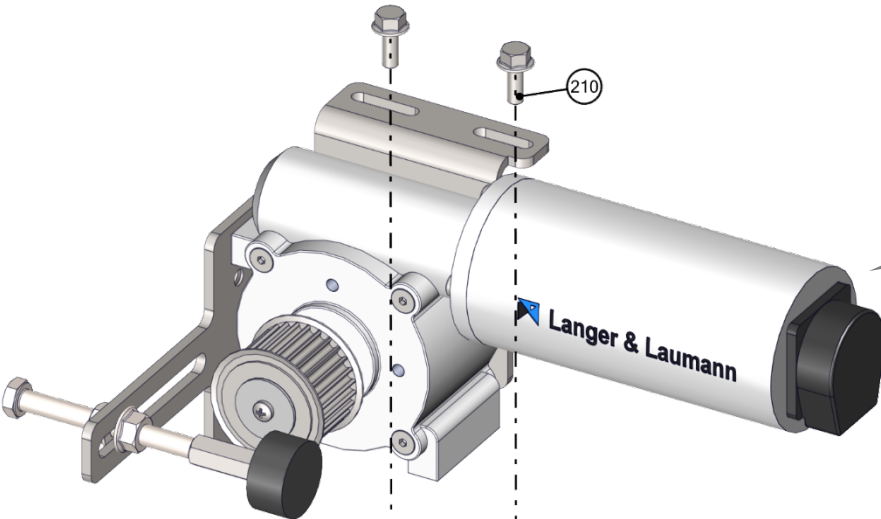
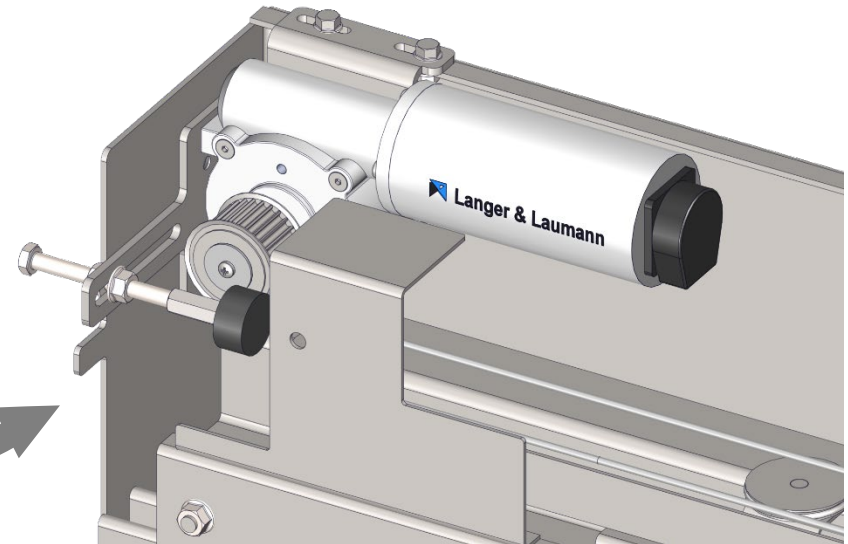




| Pos. | Number         | Description DE                                                  | Description EN                                            | Menge |
|------|----------------|-----------------------------------------------------------------|-----------------------------------------------------------|-------|
| 210  | 08.20.40002.K1 | Motor Gross Rechts & Getriebe, ohne Zahnrad, 24V/5,1A/1:15      | motor large right & gearbox, without wheel, 24V/5,1A/1:15 | 1     |
| 220  | 01.20.60195    | Zahnriemenrad HTD 28-M-25BB Bohrung 14H7 mit Nut nach DIN 68851 | timing belt pulley, HTD5M, d=14H7, D=43[mm], B=25[mm]     | 1     |
| 230  | 01.36.00008    | Flachkopfschraube vz 4,8 7985 4x20                              | flat head screw vz 4,8 7985 4x20                          | 1     |
| 240  | 01.36.00358    | Senkschraube m.Innensechskant ISO10642-M6x12-8.8                | countersunk head screw w.recessed head ISO10642-M6x12-8.8 | 4     |
| 250  | 01.36.00451    | Kotflügelscheibe DIN522 vz - 4,3x25x1,25                        | wing repair washer DIN522 vz - 4,3x25x1,25                | 1     |



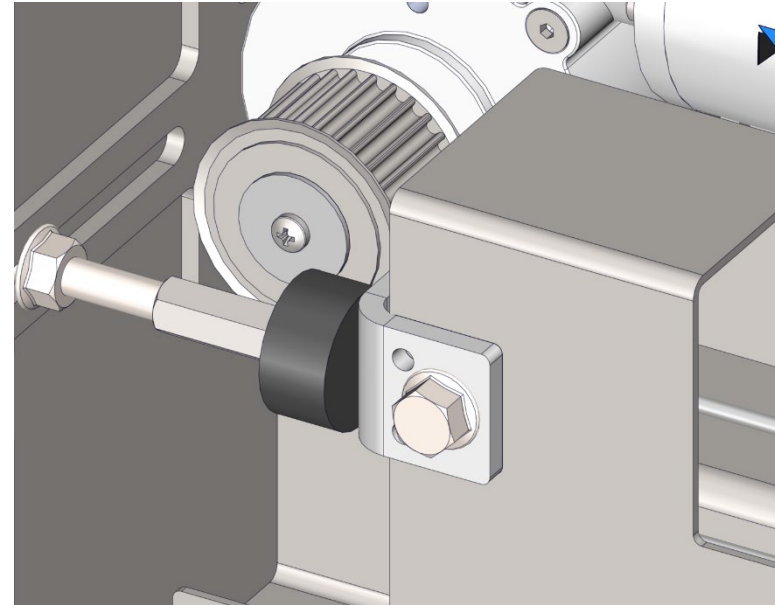
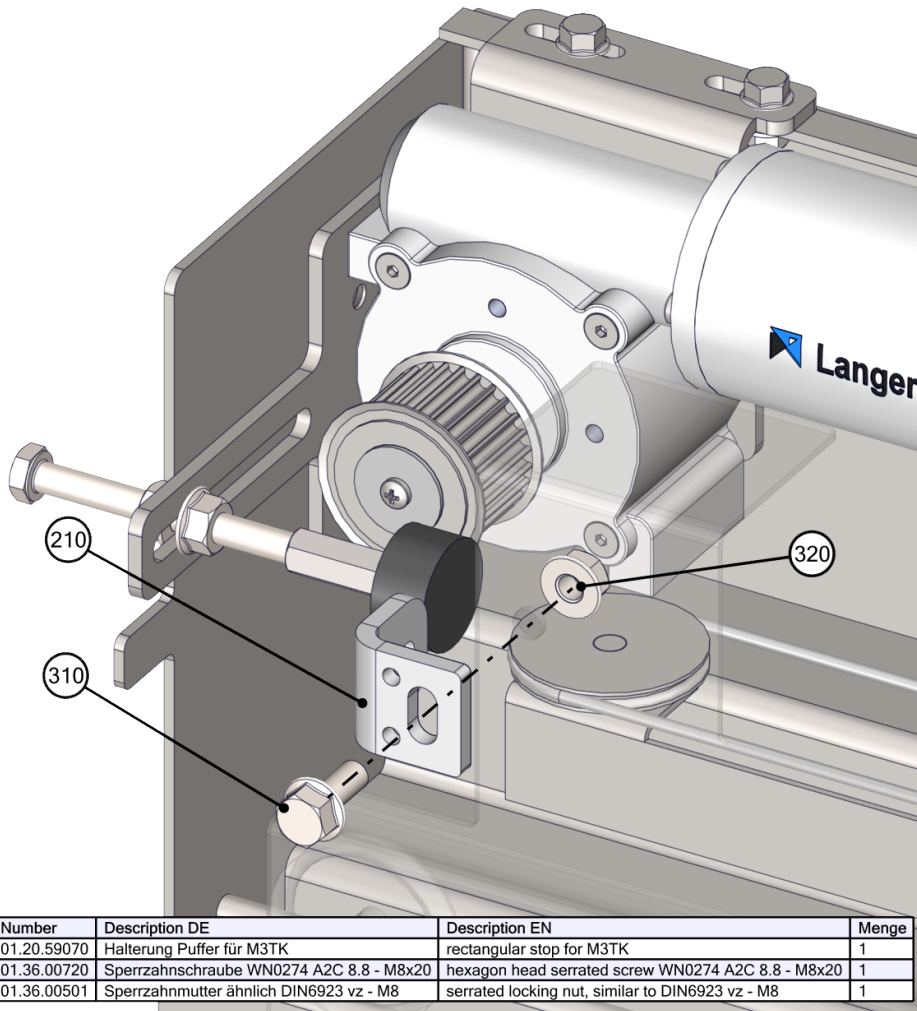
| Pos. | Number      | Description DE                           | Description EN                                     | Menge |
|------|-------------|------------------------------------------|----------------------------------------------------|-------|
| 210  | 01.20.30940 | TSG Motorhalter Varidor20, nur K-Motor   | holder for TSG motor Varidor 20, K-motor only      | 1     |
| 310  | 01.36.00138 | Sperrzahnschraube WN0274 A2C 8.8 - M6x16 | hexagon head serrated screw WN0274 A2C 8.8 - M6x16 | 4     |



| Pos. | Number      | Description DE                           | Description EN                                     | Menge |
|------|-------------|------------------------------------------|----------------------------------------------------|-------|
| 210  | 01.36.00138 | Sperrzahnschraube WN0274 A2C 8.8 - M6x16 | Hexagon head serrated screw WN0274 A2C 8.8 - M6x16 | 2     |
| 220  | 01.36.00502 | Sperrzahnmutter, ähnlich DIN6923 vz - M6 | ribbed nuts, similar to DIN6923 vz - M6            | 2     |

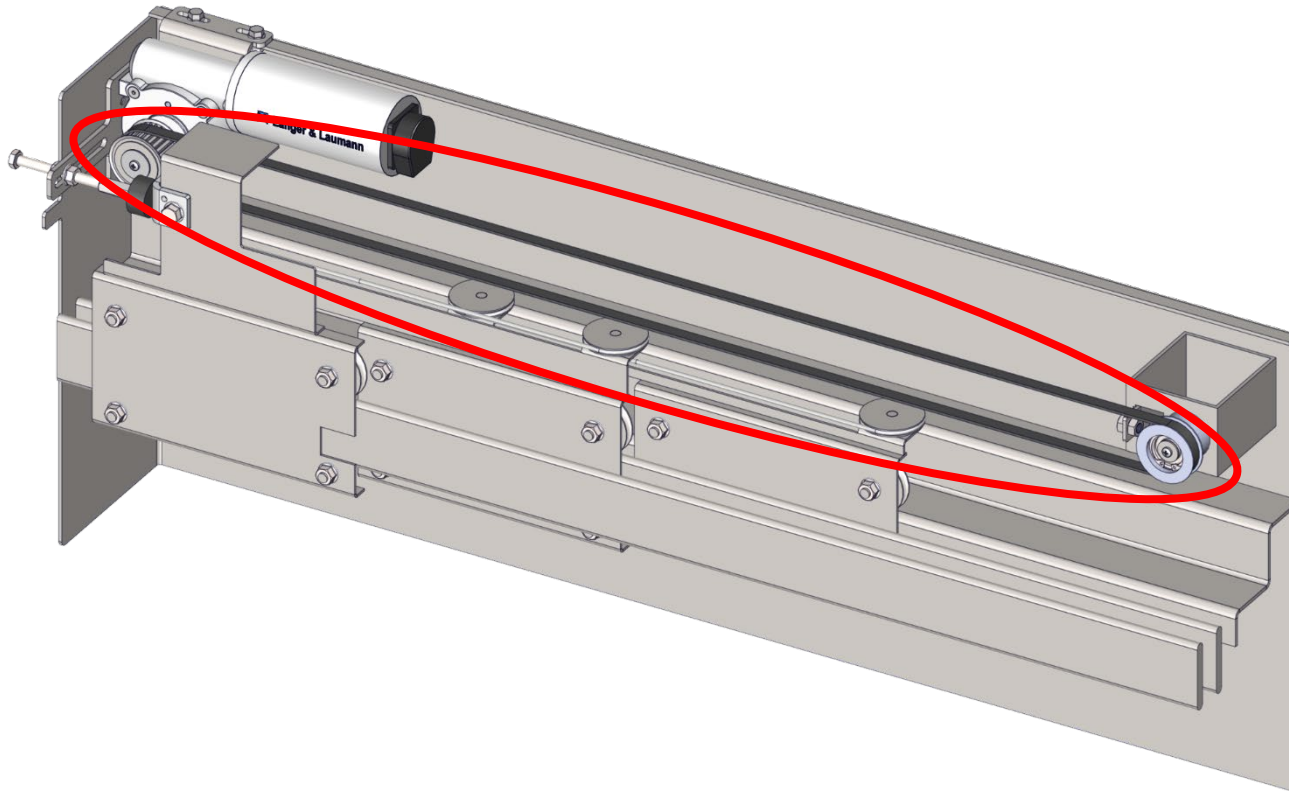
## Montage Anschlag – assembly of the bumper stop



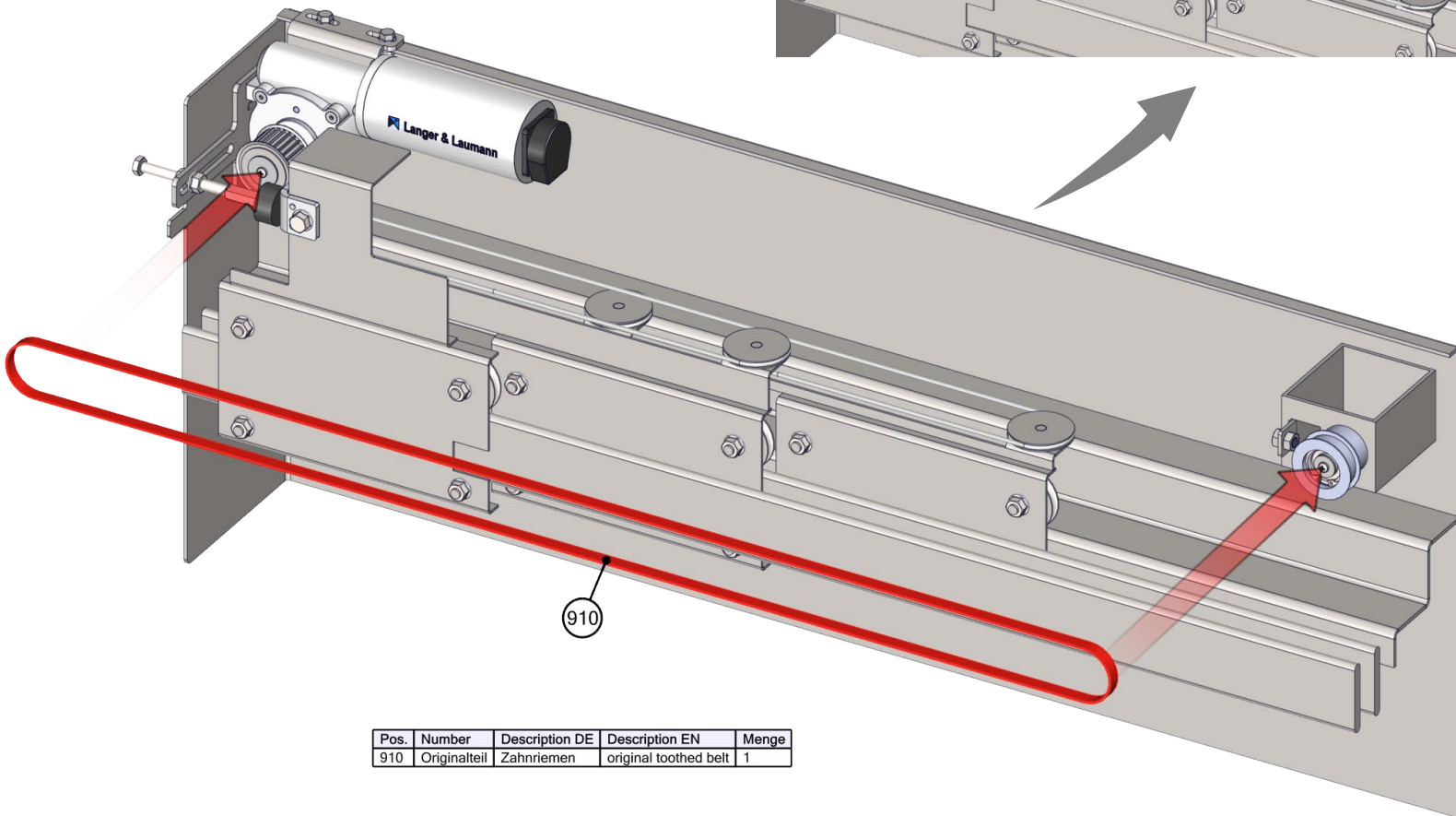
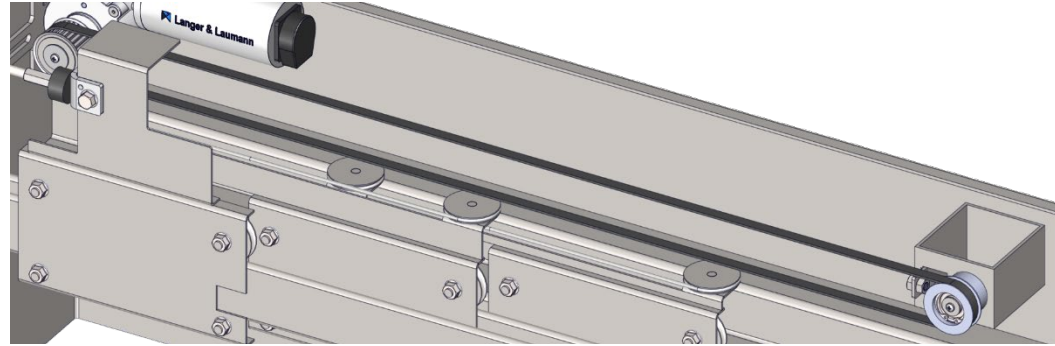


| Pos. | Number      | Description DE                           | Description EN                                     | Menge |
|------|-------------|------------------------------------------|----------------------------------------------------|-------|
| 210  | 01.20.59070 | Halterung Puffer für M3TK                | rectangular stop for M3TK                          | 1     |
| 310  | 01.36.00720 | Sperrzahnschraube WN0274 A2C 8.8 - M8x20 | hexagon head serrated screw WN0274 A2C 8.8 - M8x20 | 1     |
| 320  | 01.36.00501 | Sperrzahnmutter ähnlich DIN6923 vz - M8  | serrated locking nut, similar to DIN6923 vz - M8   | 1     |

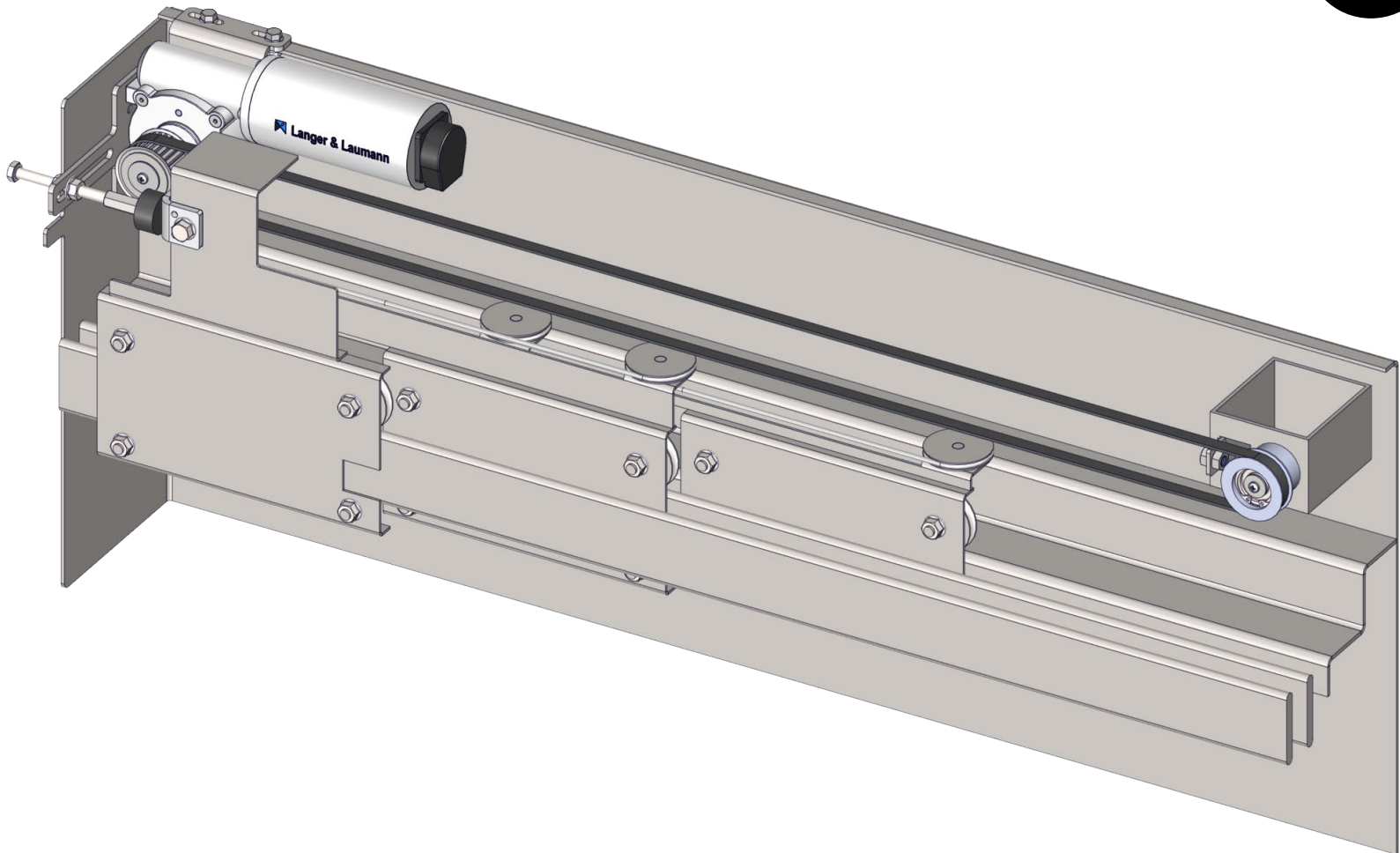
## Montage bestehender Zahnriemen – assembly of the existing toothed belt



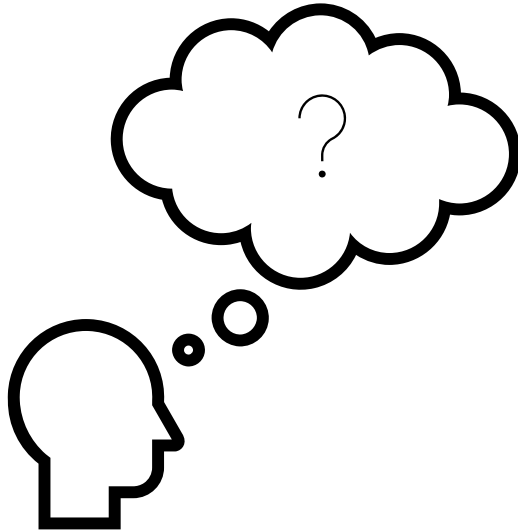




| Pos. | Number       | Description DE | Description EN        | Menge |
|------|--------------|----------------|-----------------------|-------|
| 910  | Originalteil | Zahnriemen     | original toothed belt | 1     |







**Langer & Laumann Ingenieurbüro GmbH**  
Wilmsberger Weg 8  
48565 Steinfurt  
Germany

Tel.: +49 (2552) 92791 0

[support@lul-ing.de](mailto:support@lul-ing.de)  
[www.lul-ing.de](http://www.lul-ing.de)