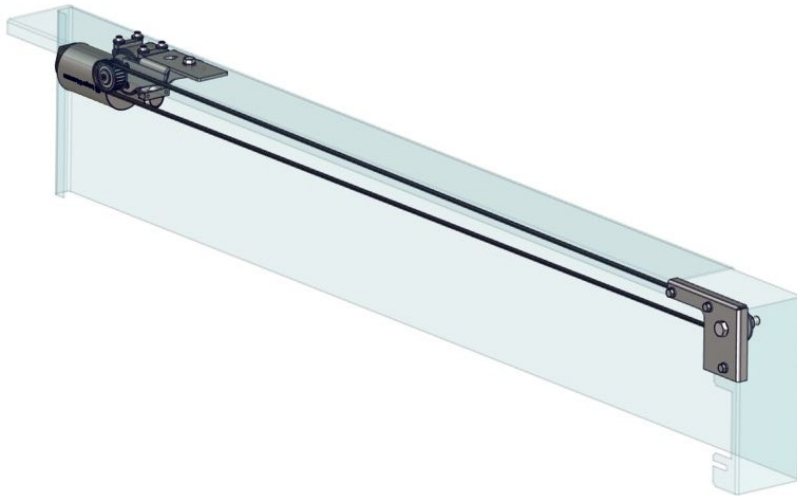


Montageanleitung **Assembly Instruction**

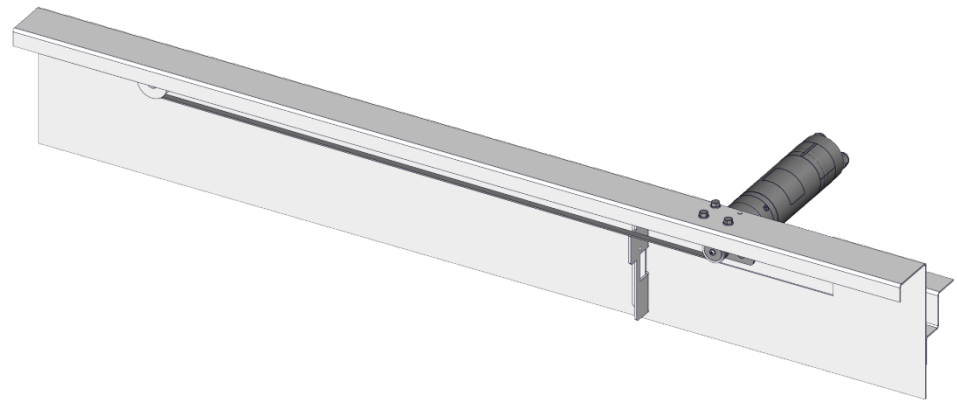
Thyssen RT301 auf TSG V4 200 Lift **Türantrieb** **Thyssen RT301 to TSG V4 200 lift** **door operator**

TL + TR S. 9 bis 19 / Z S. 20 bis 28 –
TL + TR p. 9 to 19 / C p. 20 to 28

Thyssen RT301 auf TSG V4 200 Lift Türantrieb – Thyssen RT301 to TSG V4 200 lift door operator



TL + TR S. 9 bis 19 –
TL + TR p. 9 to 19



Z S. 20 bis 28 –
C p. 20 to 28



Lieferumfang TL + TR S. 9 - 19 – scope of delivery TL + TR p. 9 - 19

picture	Number	description DE	description EN	quantity
	8.20.00101.04	TSG-Electronic	TSG-electronic	1
	8.20.200xx.xx	TSG-Motor	TSG-motor	1
	1.20.60140	Zahnriemenrad, HTD5M, d=10H7, D=37[mm], B=15[mm]	timing belt pulley, HTD5M, d=10H7, D=37[mm], B=15[mm]	1
	1.20.60730	Motoradapterplatte flach für TSG200 in RT301	Motor adapter plate flat for TSG200 in RT301	1
	x.20.xxxxx	TSG-Zahnriemen	TSG-toothed belt	1
	1.36.01036	Scheibe großer Durchmesser DIN9021 vz - 6,4	washer with large outside diameter DIN9021 vz - 6,4	1
	1.36.00140	Sperrzahnschraube WN0274 A2C 8.8 - M8x12	Hexagon head serrated screw WN0274 A2C 8.8 - M8x12	1
	1.36.00165	Scheibe DIN 9021 A2 140Hv - 5,3	washer DIN9021 A2 140Hv - 5,3	8

picture	Number	description DE	description EN	quantity
	1.36.00172	Federring DIN127 vz - M5	lock washer DIN127 vz - M5	5
	1.36.01025	Zylinderschraube ISO4762/DIN912 Innensechskant vz 8.8 - M5x12	hexagon socket head cap screw ISO4762/DIN912 vz 8.8 - M5x12	5
	1.36.00332	Senkkopfschraube mit Kreuzschlitz DIN965 vz 4.8 - M4x10	countersunk screw w. cross recess DIN965 vz 4.8 - M4x10	7



Zusätzlicher Lieferumfang Z S. 20 - 28 – additional scope of delivery C p. 20 - 28

picture	Number	description DE	description EN	quantity
	8.20.504xx.xx	TSG-Motor	TSG-motor	1
	1.20.60197	Zahnriemenrad, HTD5M, d=14H7, D=29[mm], B=25[mm]	timing belt pulley, HTD5M, d=14H7, D=29[mm], B=25[mm]	1
	1.20.60720	Motoradapterplatte für TSG PLG Antrieb	motor adapter plate for TSG PLG drive	1
	1.36.00140	Sperrzahnschraube WN0274 A2C 8.8 – M6x12	Hexagon head serrated screw WN0274 A2C 8.8 - M8x12	3
	1.36.00008	Linsenschraube DIN7985 vz 4.8 - M4x20	pan head screw DIN7985 vz 4.8 - M4x20	1
	1.36.00451	Kotflügelscheibe DIN522 vz - 4,3x25x1,25	wing repair washer DIN522 vz - 4,3x25x1,25	1

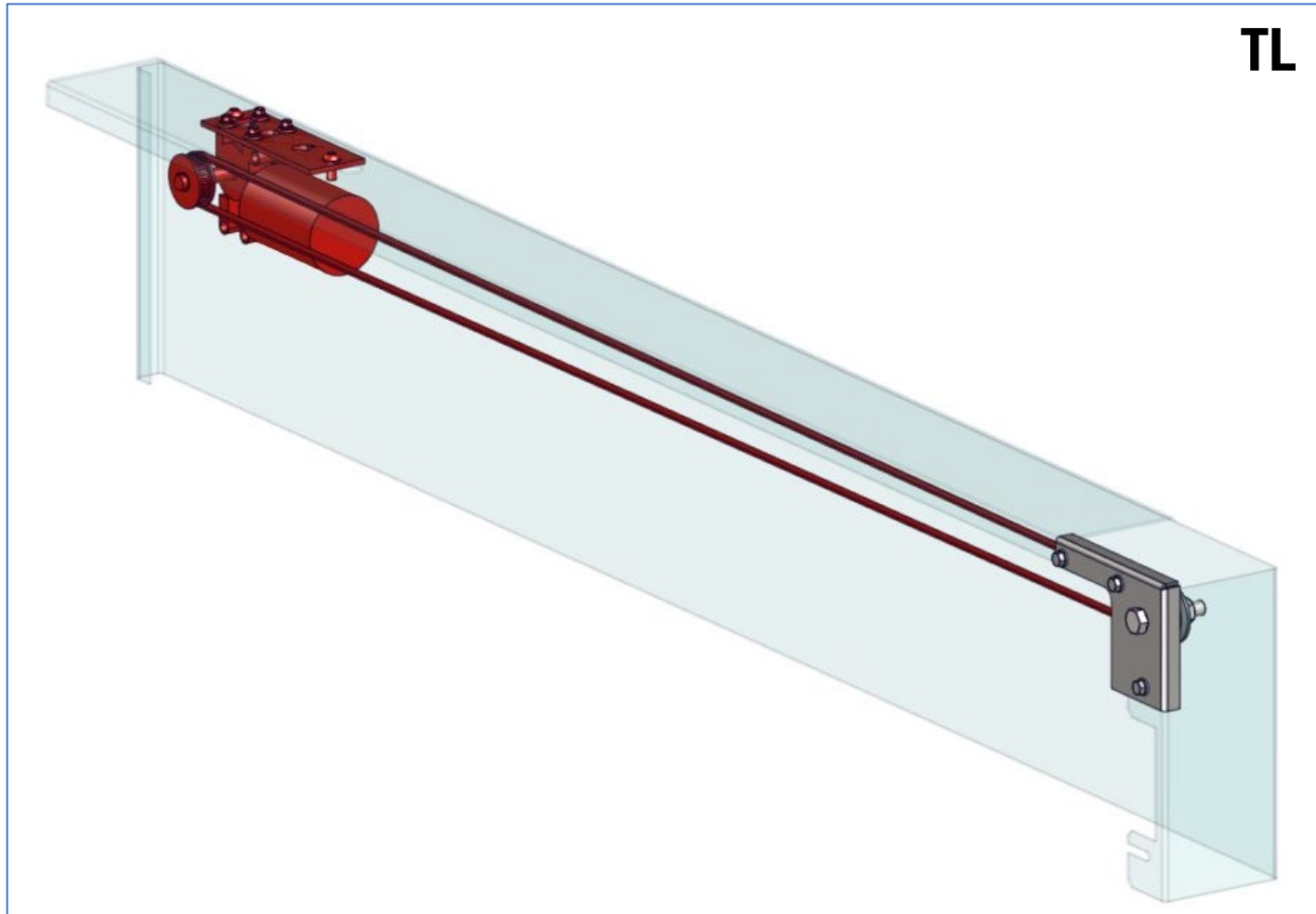
Vor Umbau – before conversion

TL

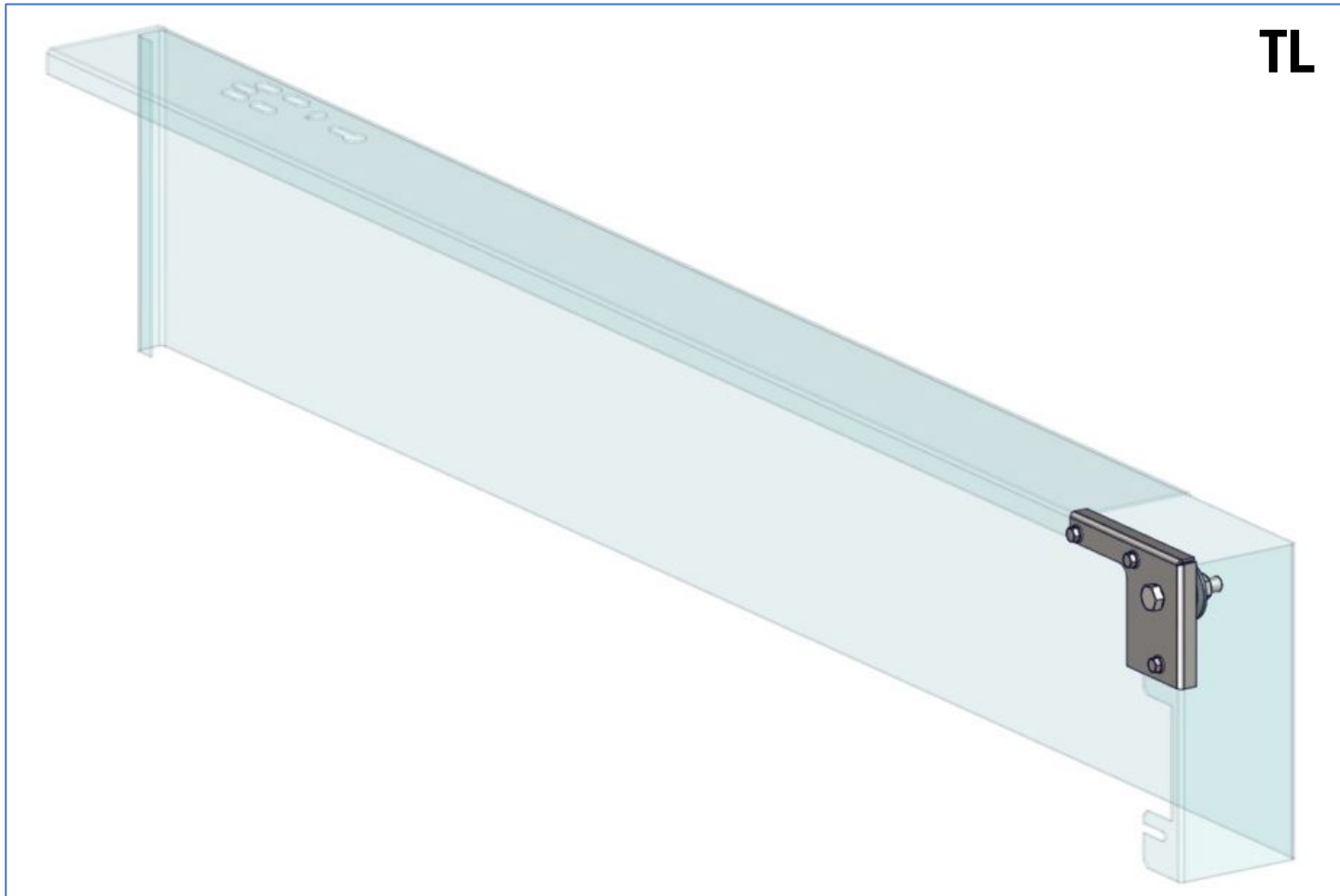


TR spiegelbildlich –
TR mirrored

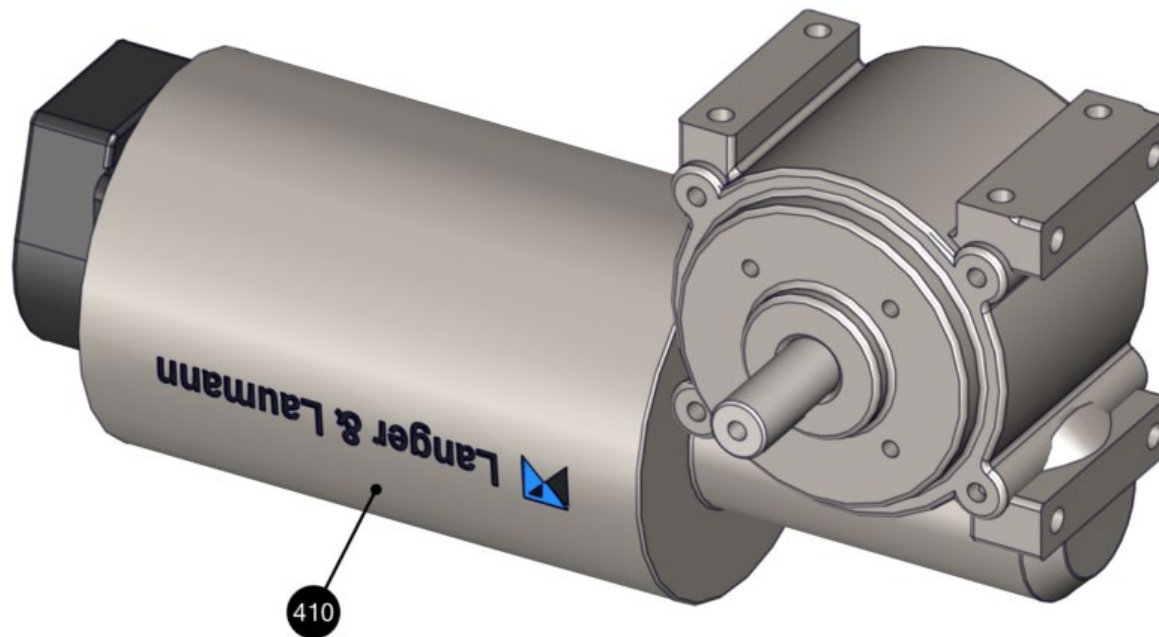
Vor Umbau entfernen – remove before conversion



Nach Demontage – after disassembly

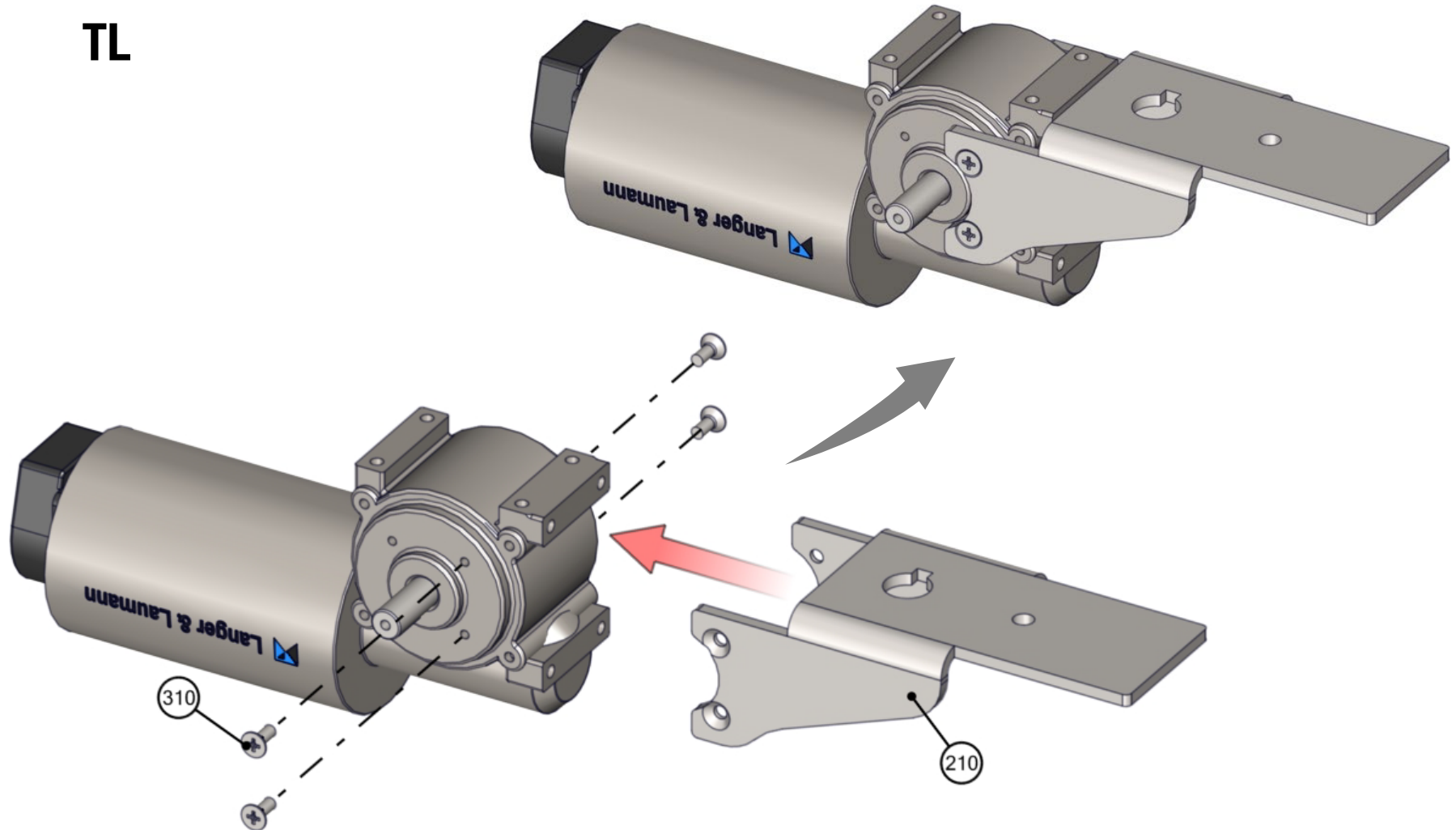


Motorvorbereitung TL – drive preparation TL



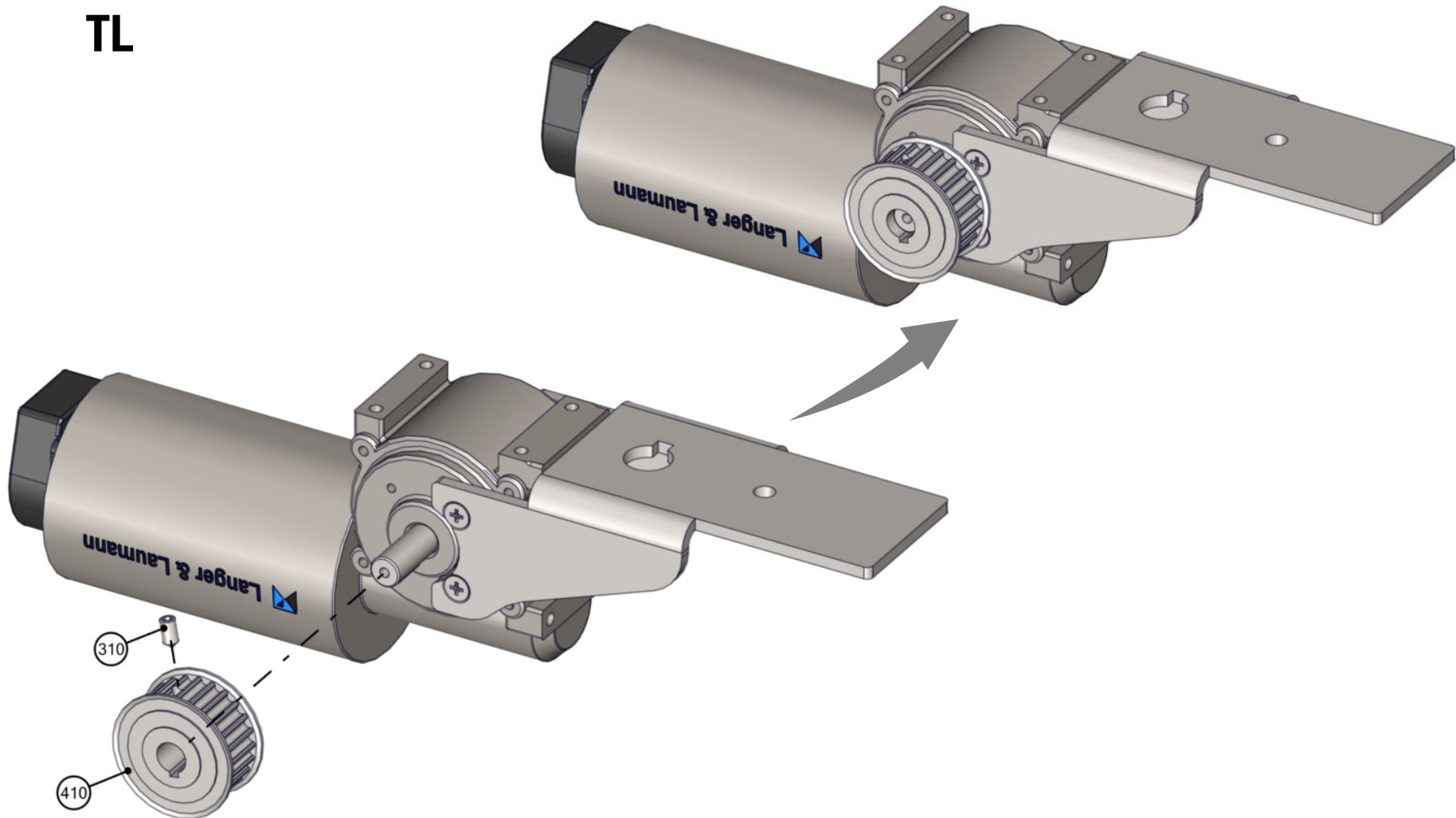
Pos.	Number	Description DE	Description EN	Menge
410	08.20.20009	Motor Klein Rechts & Getriebe	motor small right & gearbox	1

TL



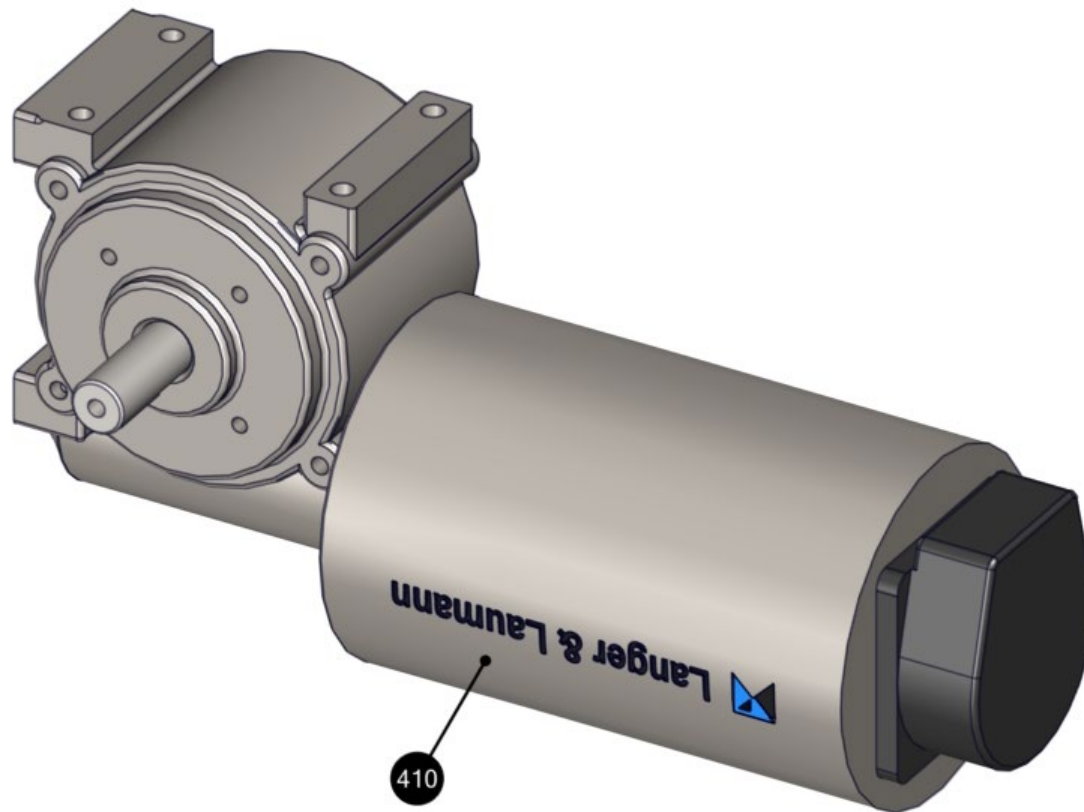
Pos.	Number	Description DE	Description EN	Menge
210	01.20.60730	Motoradapterplatte flach für TSG200 in Rt301	motor adapter plate flat for TSG200 in RT301	1
310	01.36.00332	Senkschraube vz 4.8 DIN965 - M4x10	countersunk screw w. cross recess DIN965 vz 4.8 - M4x10	4

TL



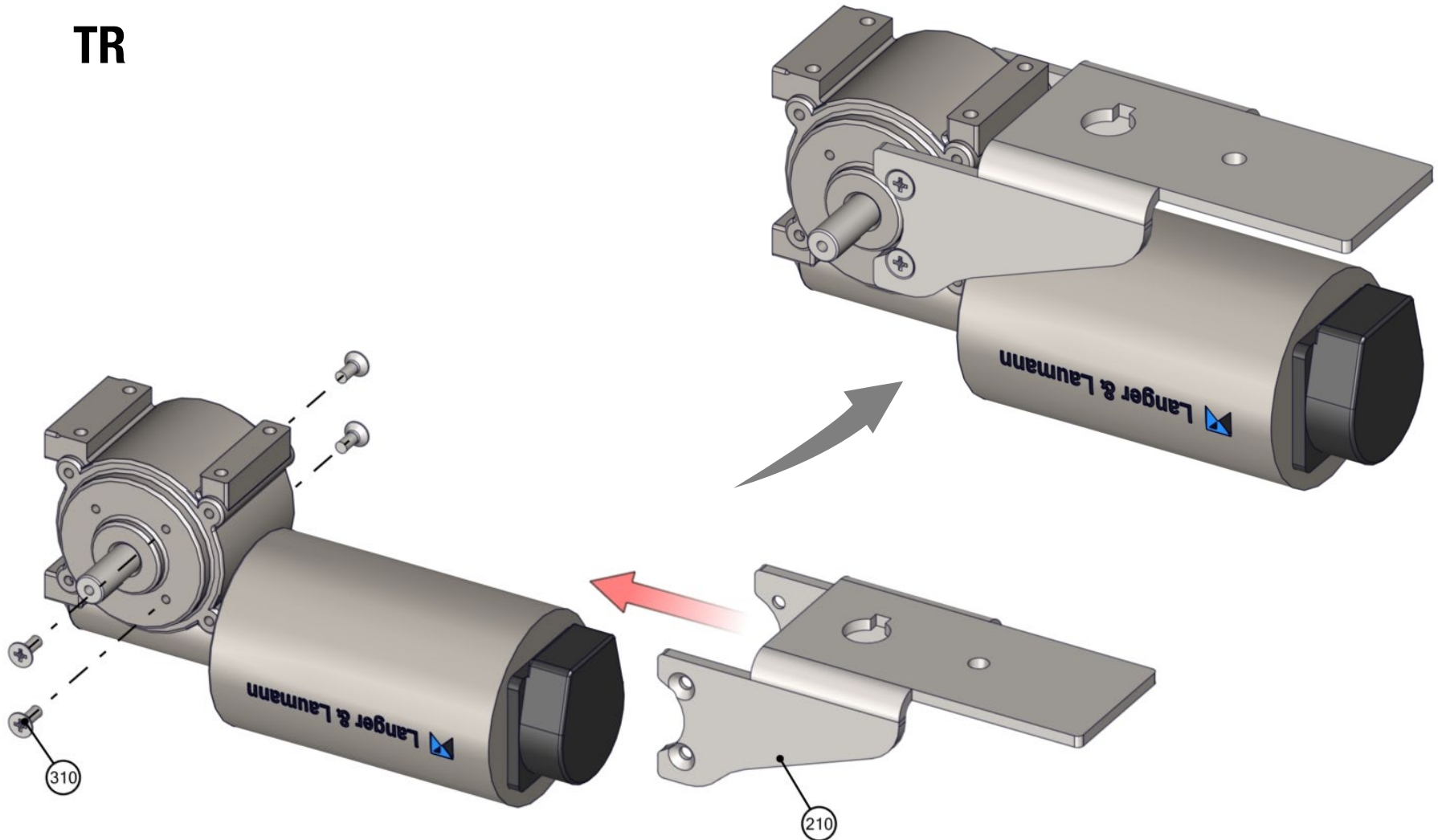
Pos.	Number	Description DE	Description EN	Menge
310	01.36.05050	Gewindestift . Innen6kant, M5x6 DIN 913	hexagon socket set screw, DIN 913, M5x6	1
410	01.20.60140	TSG200 Motor Antriebsrad d=10H7, D=37mm	timing belt pulley, HTD5M, d=10H7, D=37[mm], B=15[mm]	1

Motorvorbereitung TR – drive preparation TR



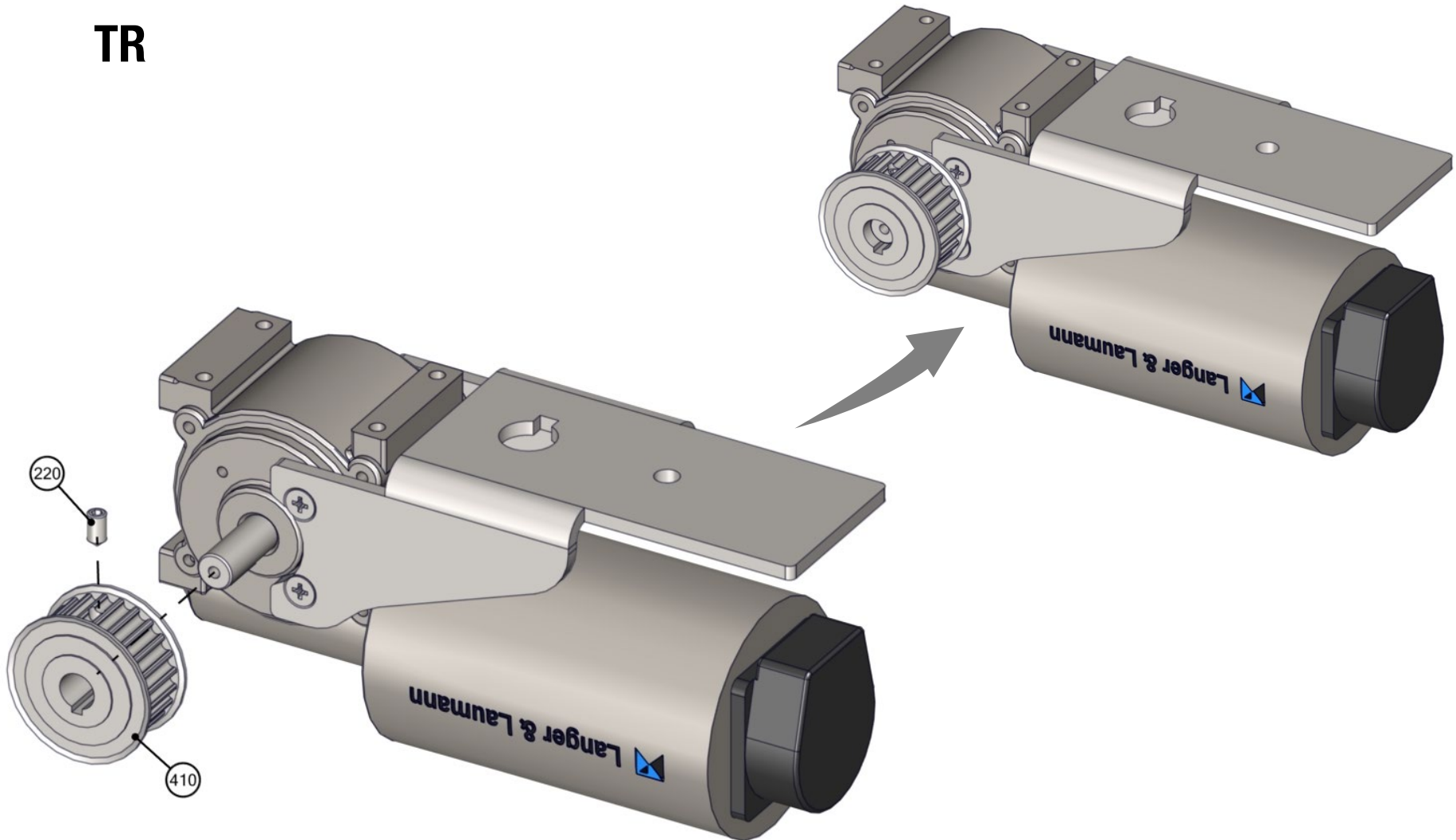
Pos.	Number	Description DE	Description EN	Menge
410	08.20.20008	Motor Klein Links & Getriebe	motor small left & gearbox	1

TR



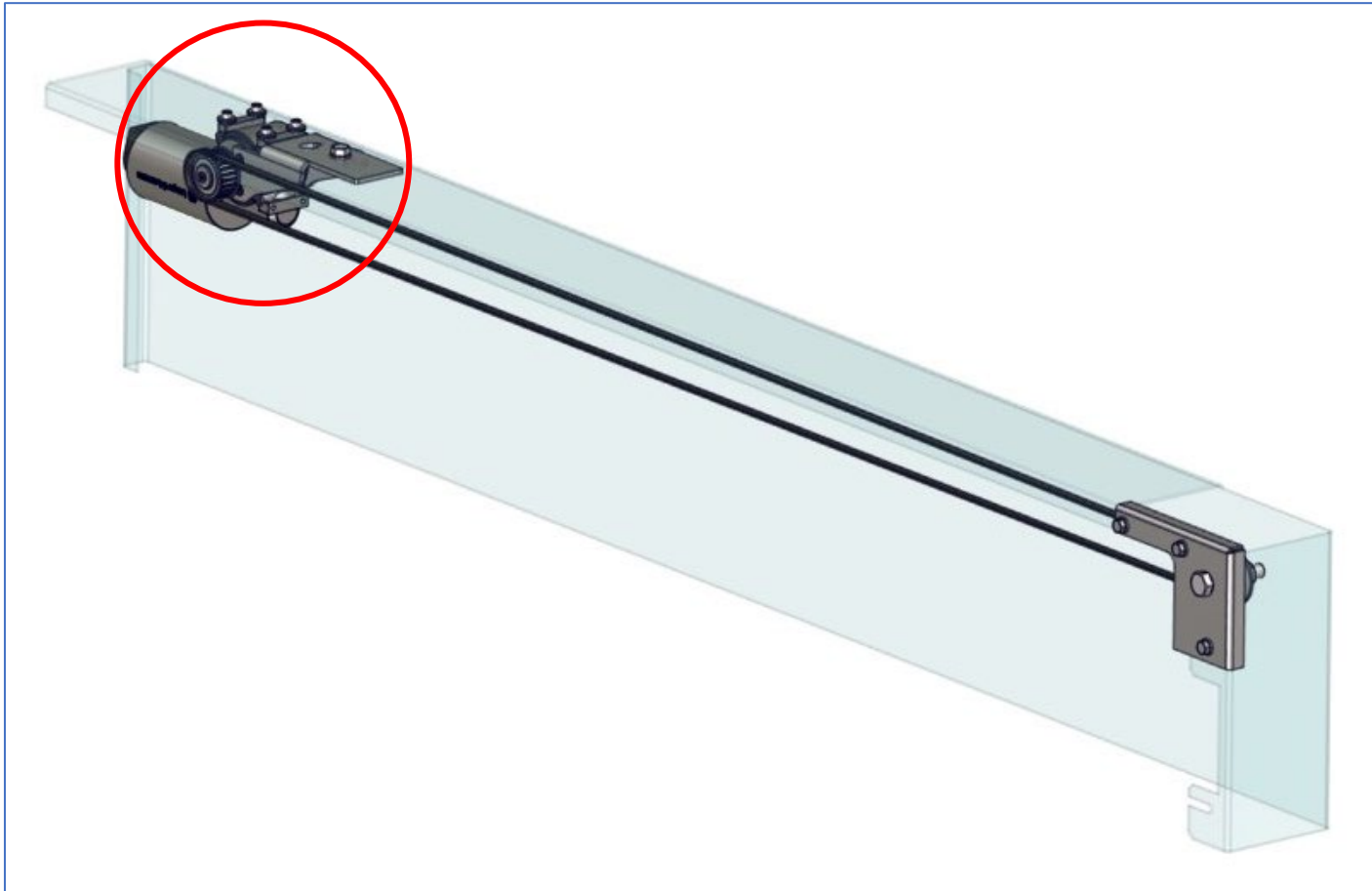
Pos.	Number	Description DE	Description EN	Menge
210	01.20.60730	Motoradapterplatte flach für TSG200 in Rt301	motor adapter plate flat for TSG in RT301	1
310	01.36.00332	Senkschraube vz 4.8 DIN965 - M4x10	countersunk screw w. cross recess DIN965 vz 4.8 - M4x10	4

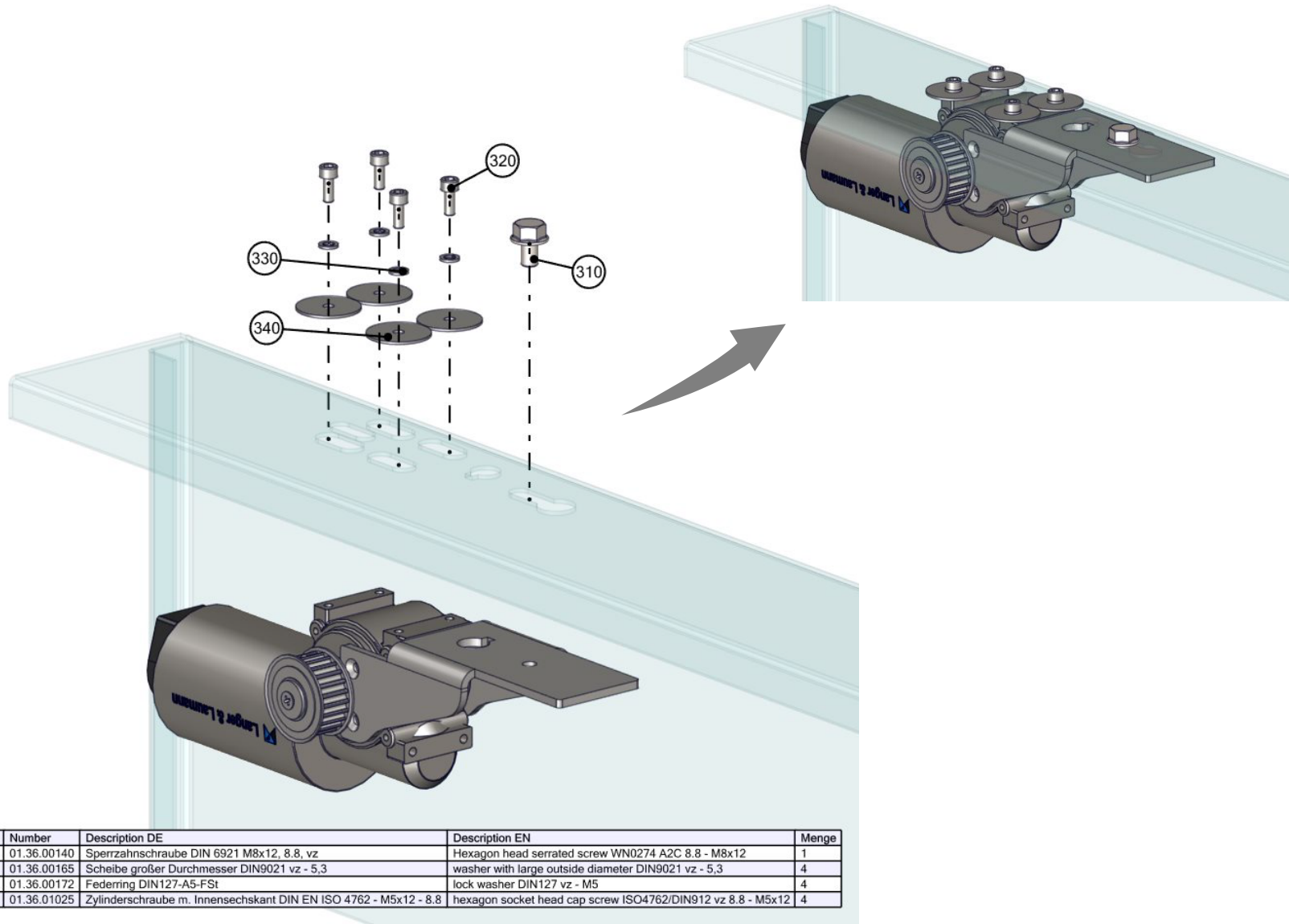
TR



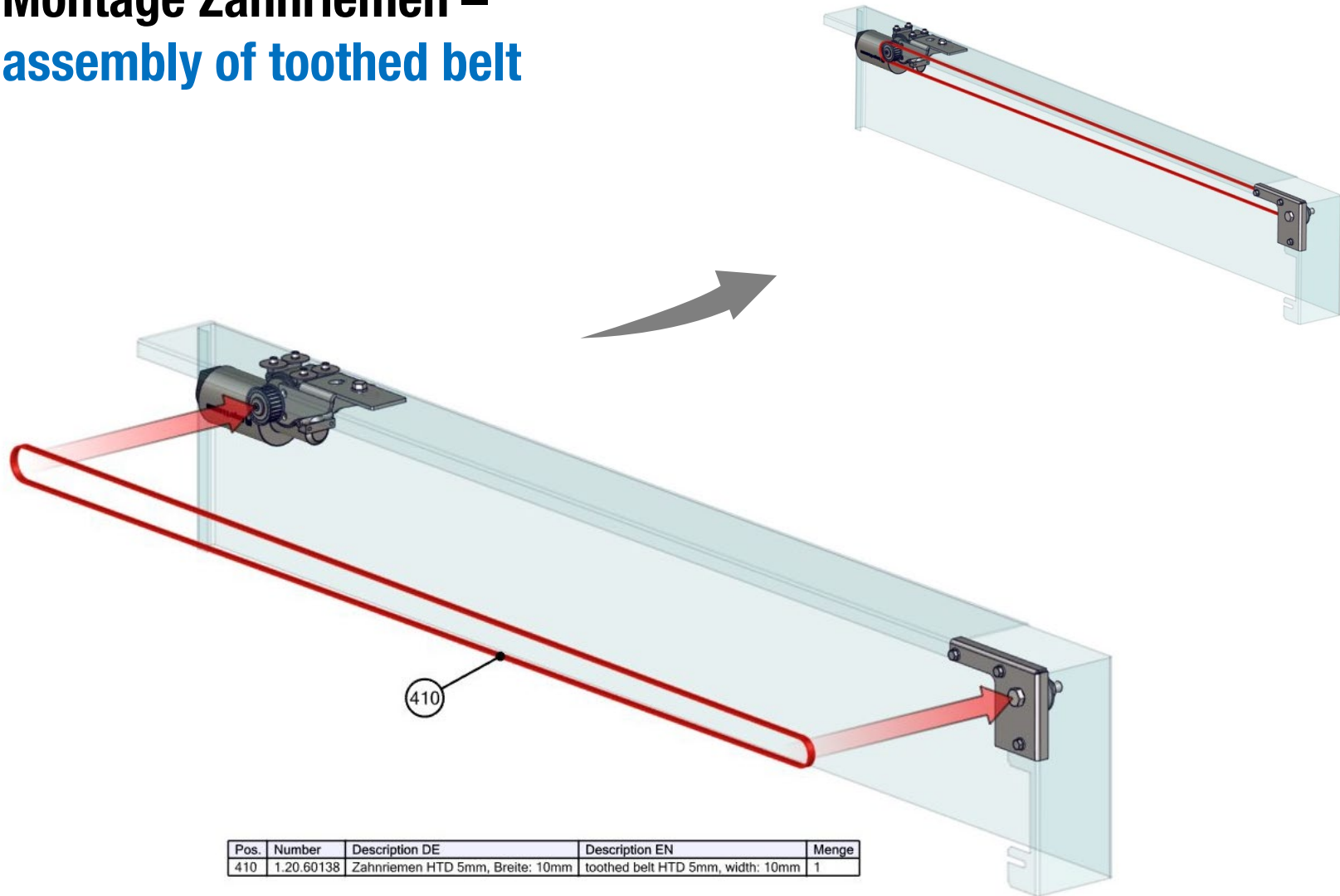
Pos.	Number	Description DE	Description EN	Menge
220	01.36.05050	Gewindestift . Innen6kant, M5x6 DIN 913	hexagon socket set screw, DIN 913, M5x6	1
410	01.20.60140	TSG200 Motor Antriebsrad d=10H7, D=37mm	timing belt pulley, HTD5M, d=10H7, D=37[mm], B=15[mm]	1

Montage Motor TL – assembly of the motor TL

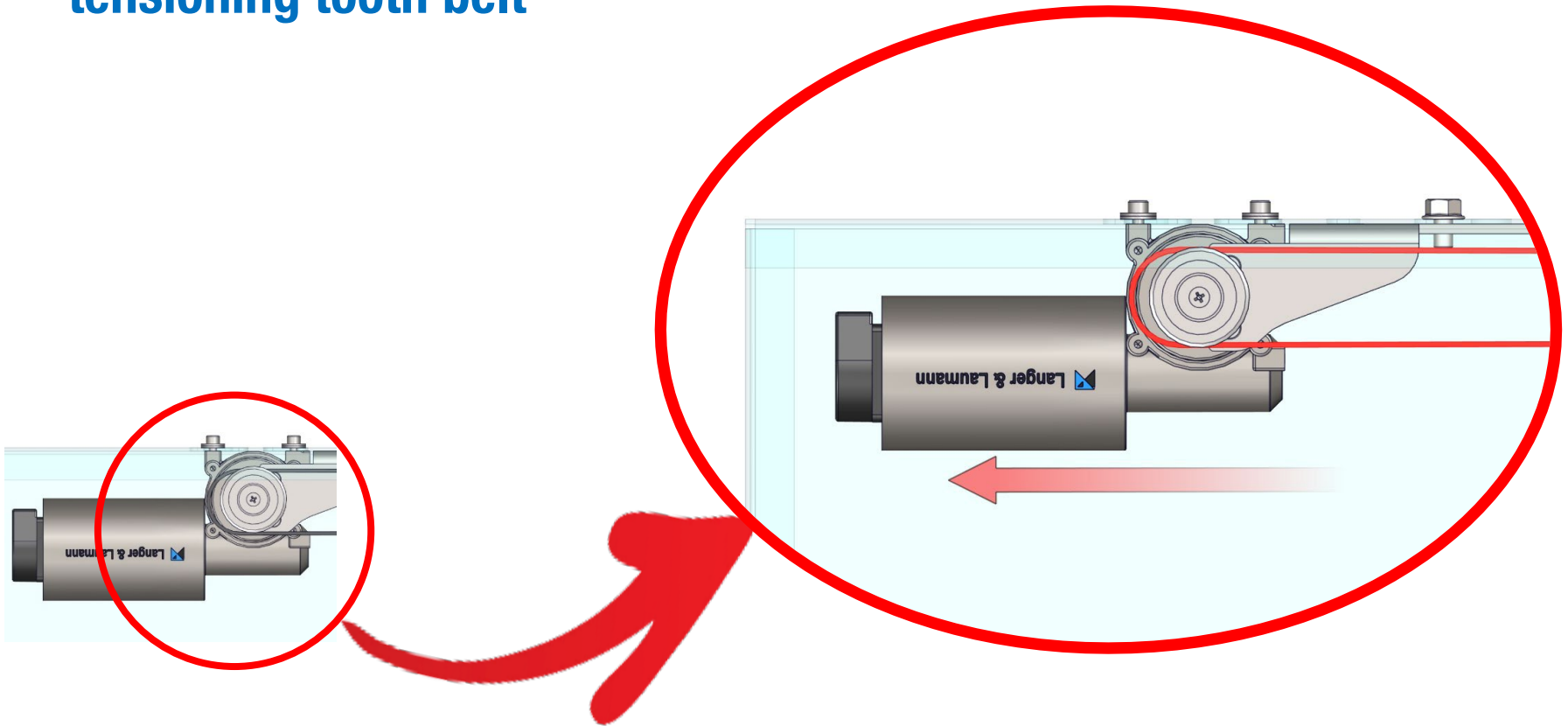


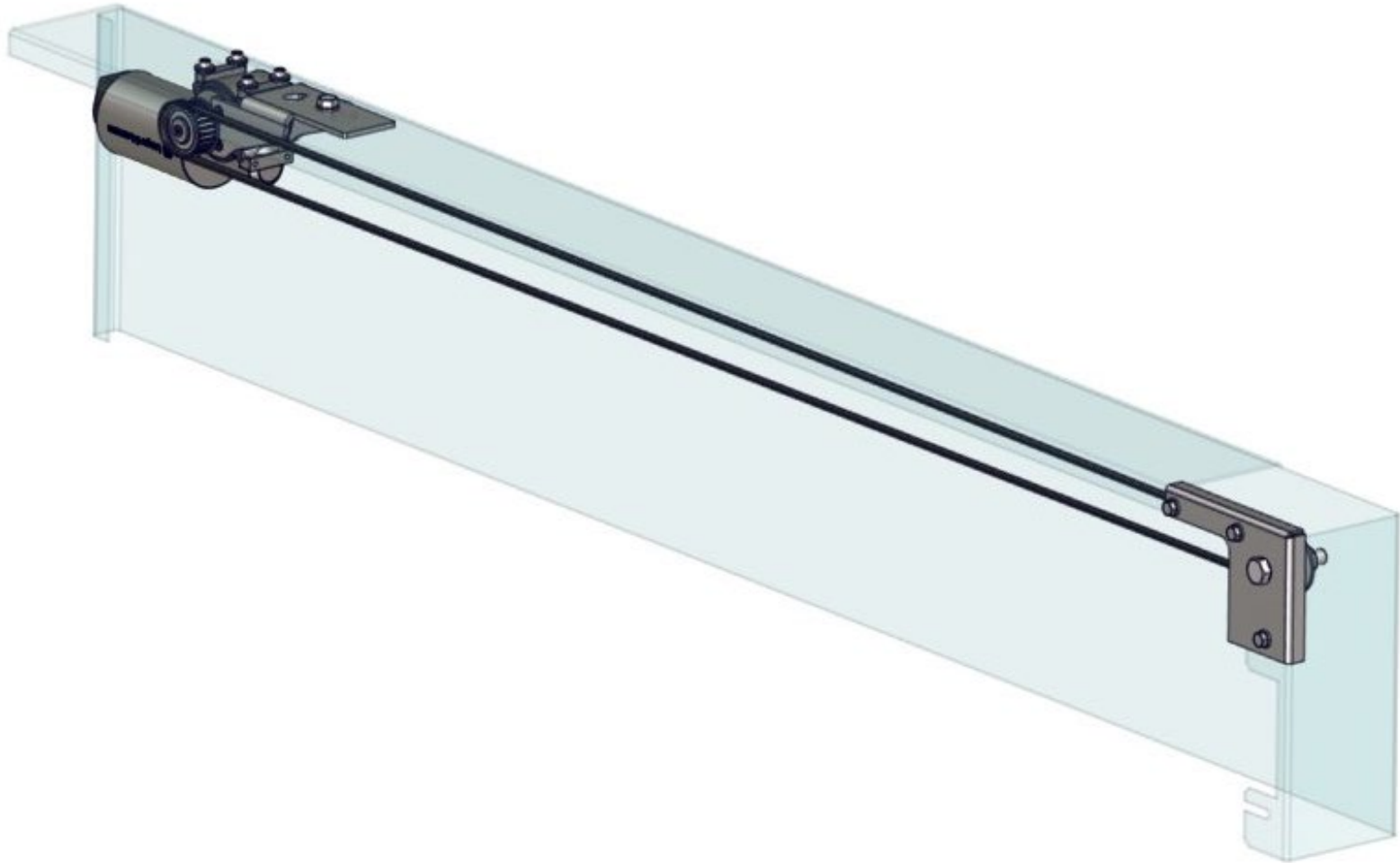


Montage Zahnriemen – assembly of toothed belt

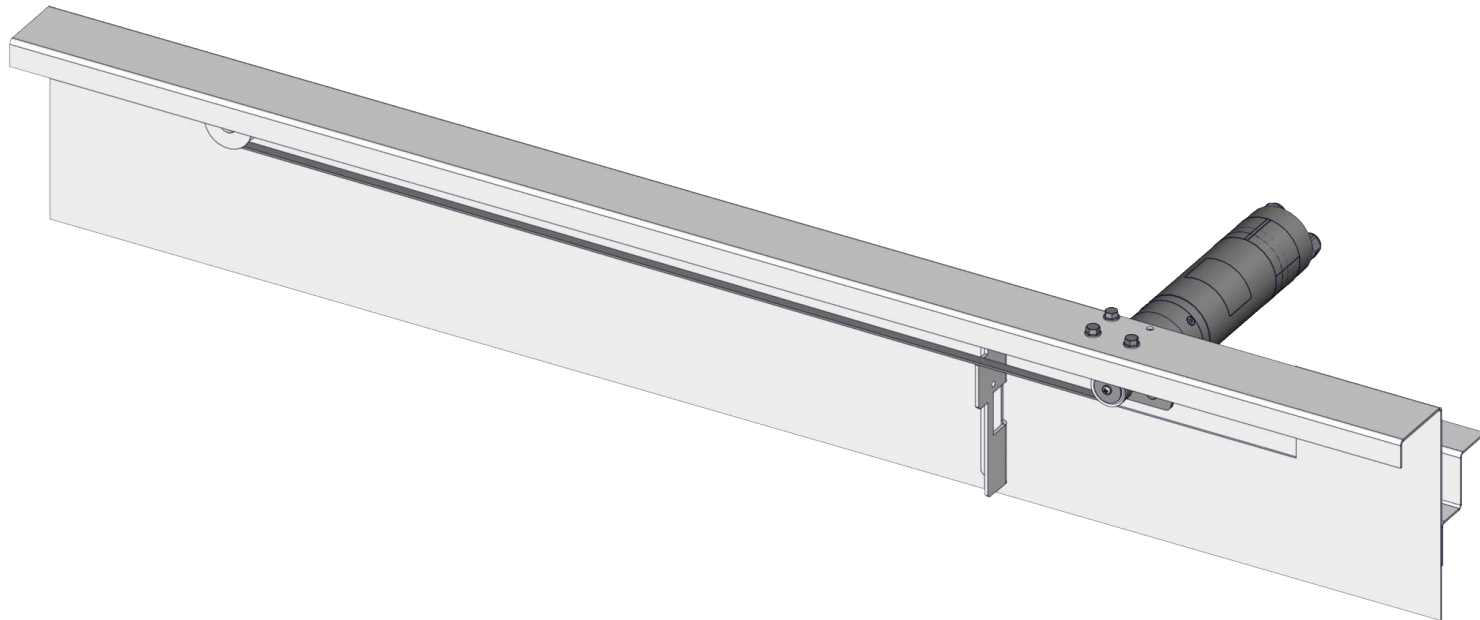


Zahnriemen spannen – tensioning tooth belt





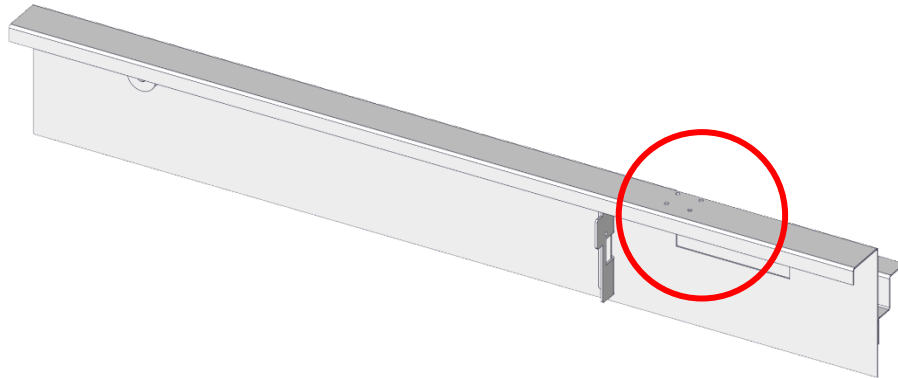
Thyssen RT301 Z auf TSG V4 200 Lift Türantrieb – **Thyssen RT301 C to TSG V4 200 lift door operator**



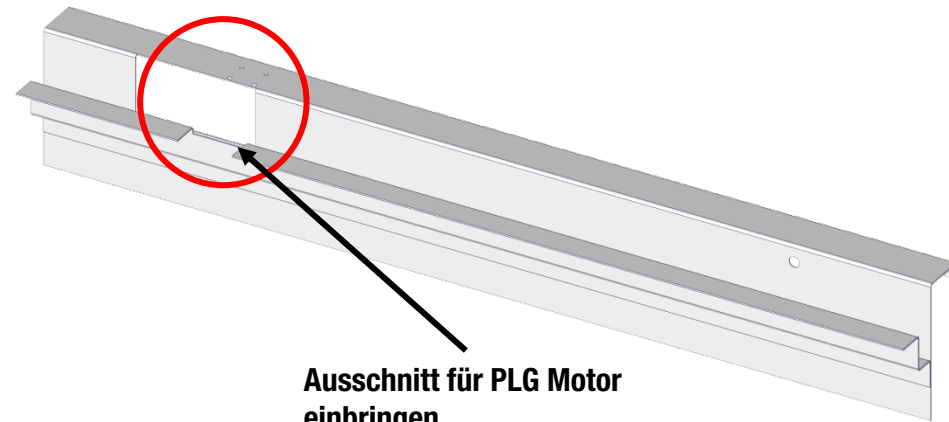
Vorbereitung Kämpfer Z – preparation of the door frame C



**Vorderansicht –
front view**



**Rückansicht –
back view**

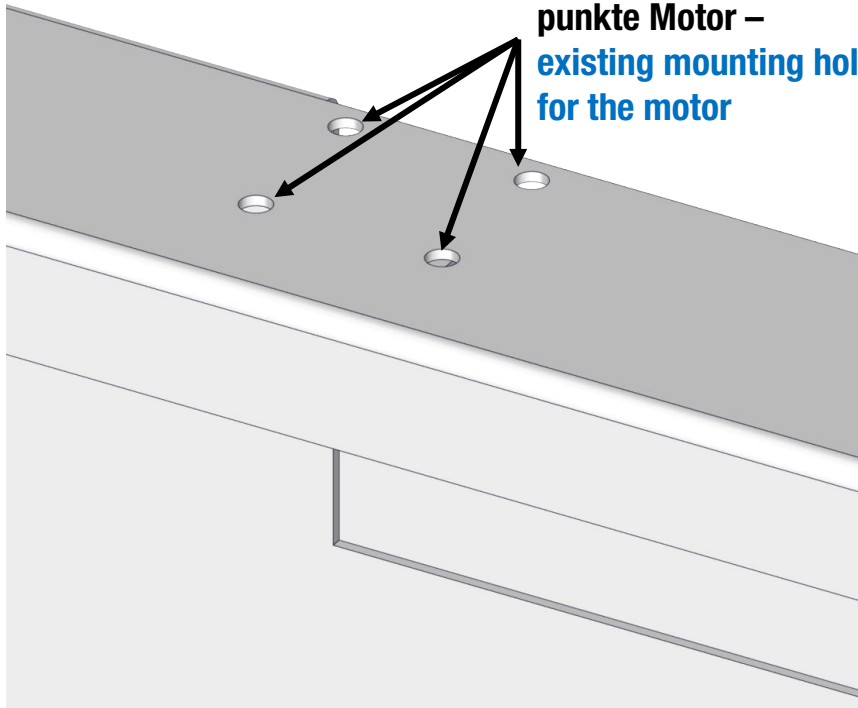


**Ausschnitt für PLG Motor
einbringen
B = ca. 80 mm –
cut out for PLG motor
B= ca. 80 mm**

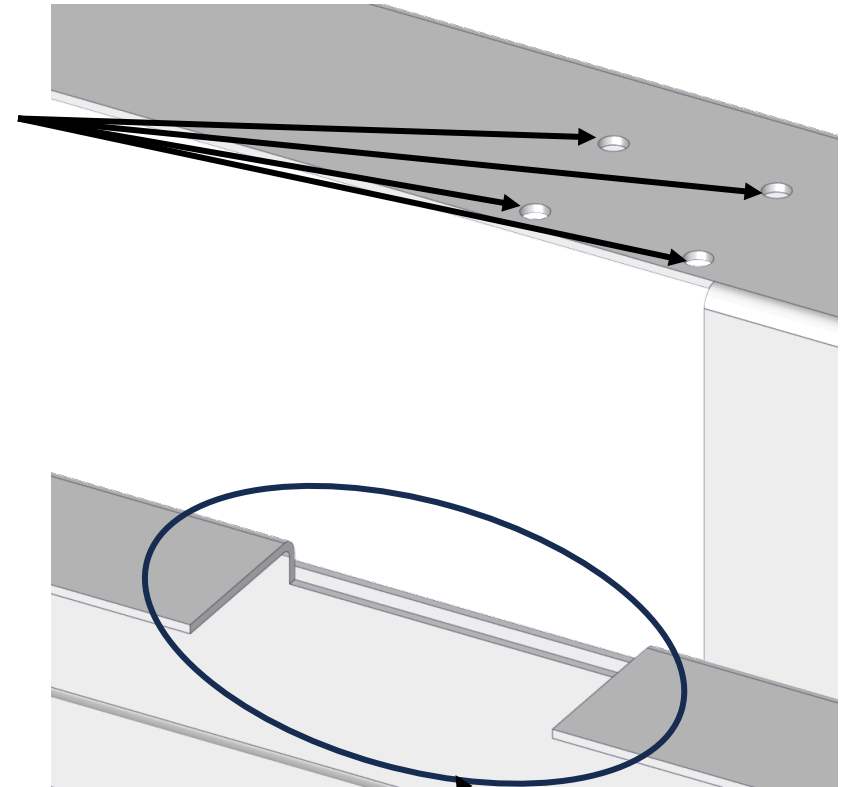
Vorbereitung Kämpfer Z – preparation of the door frame C



**Vorhandene Befestigungs-
punkte Motor –**
existing mounting holes
for the motor



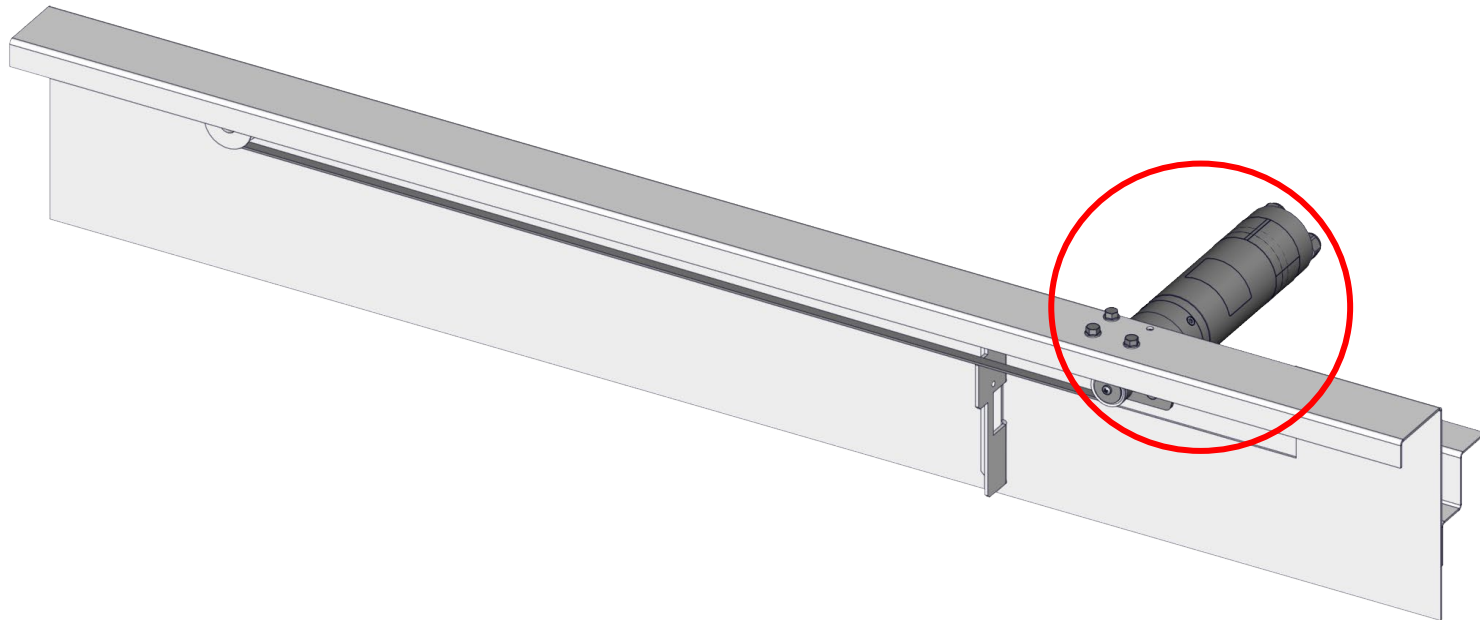
Vorderansicht –
front view

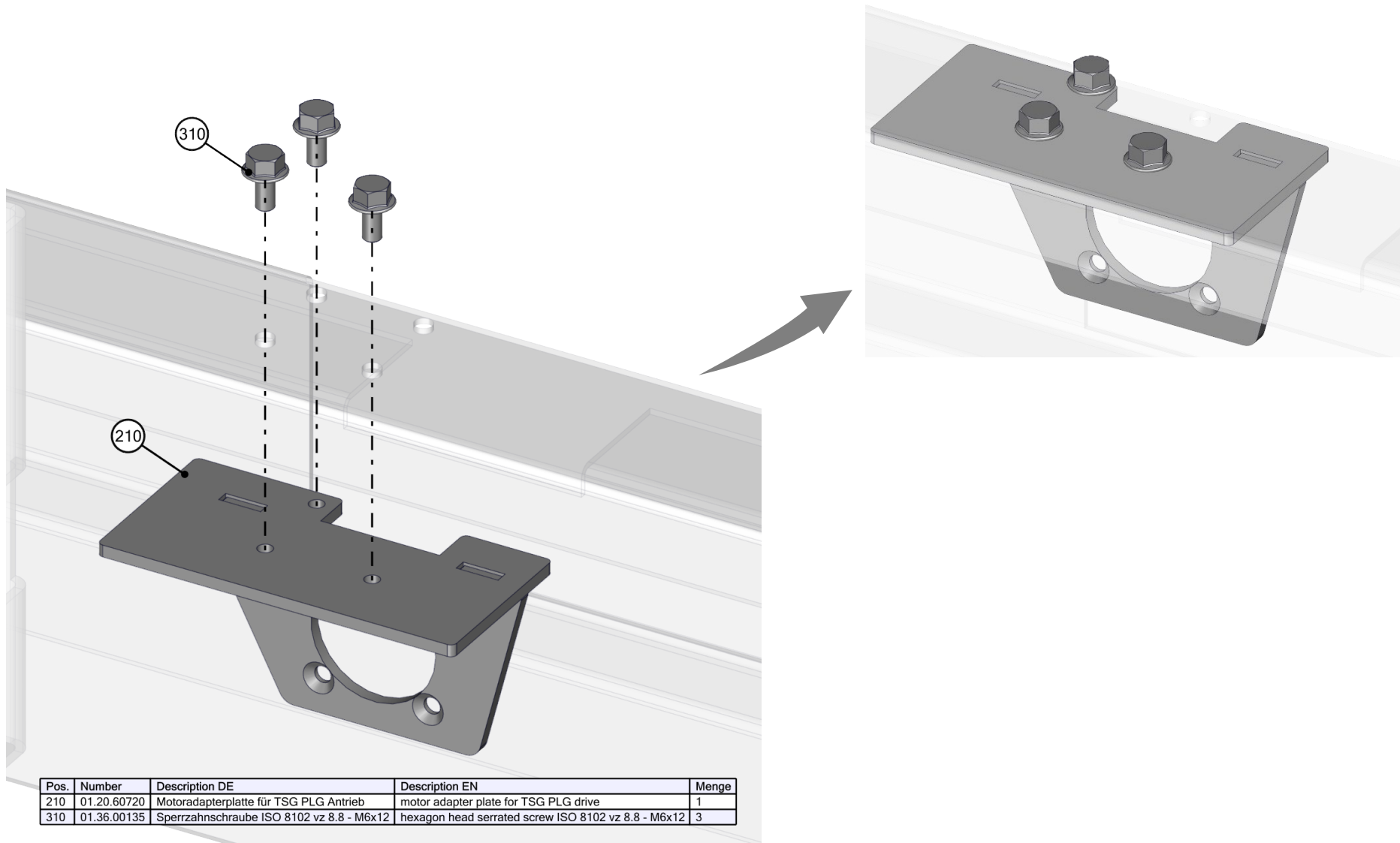


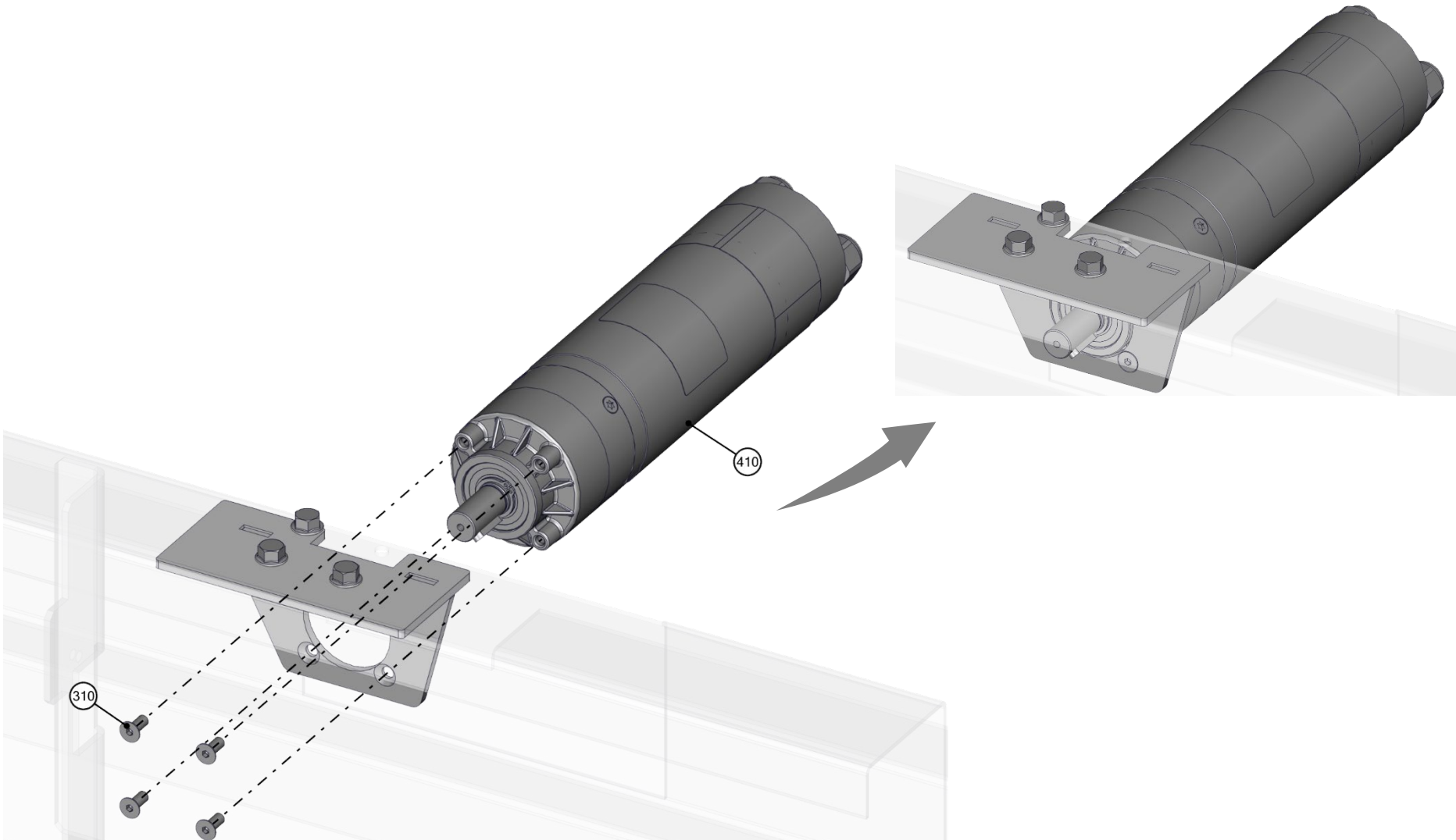
Rückansicht –
back view

Ausschnitt für PLG Motor
einbringen
B = ca. 80 mm –
cut out for PLG motor
B= ca. 80 mm

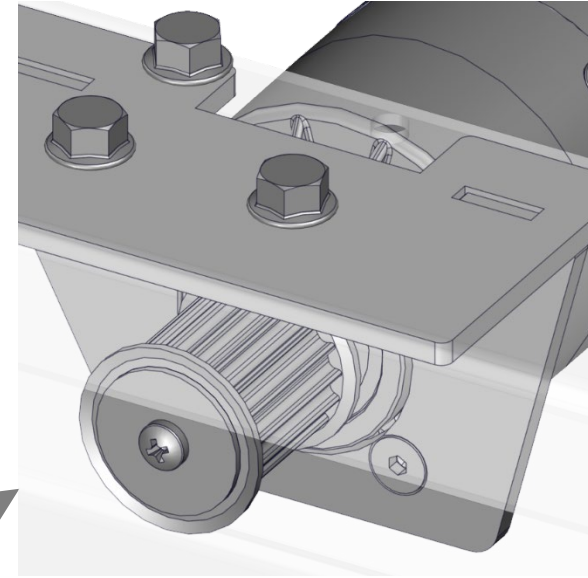
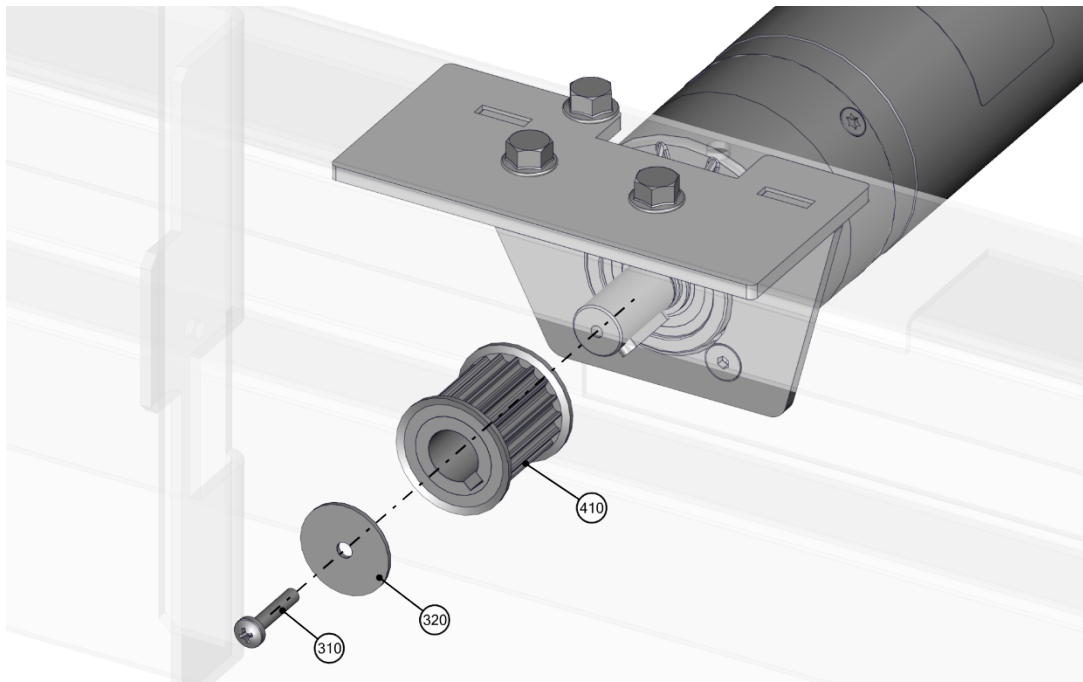
Montage Motor Z – assembly of the motor C





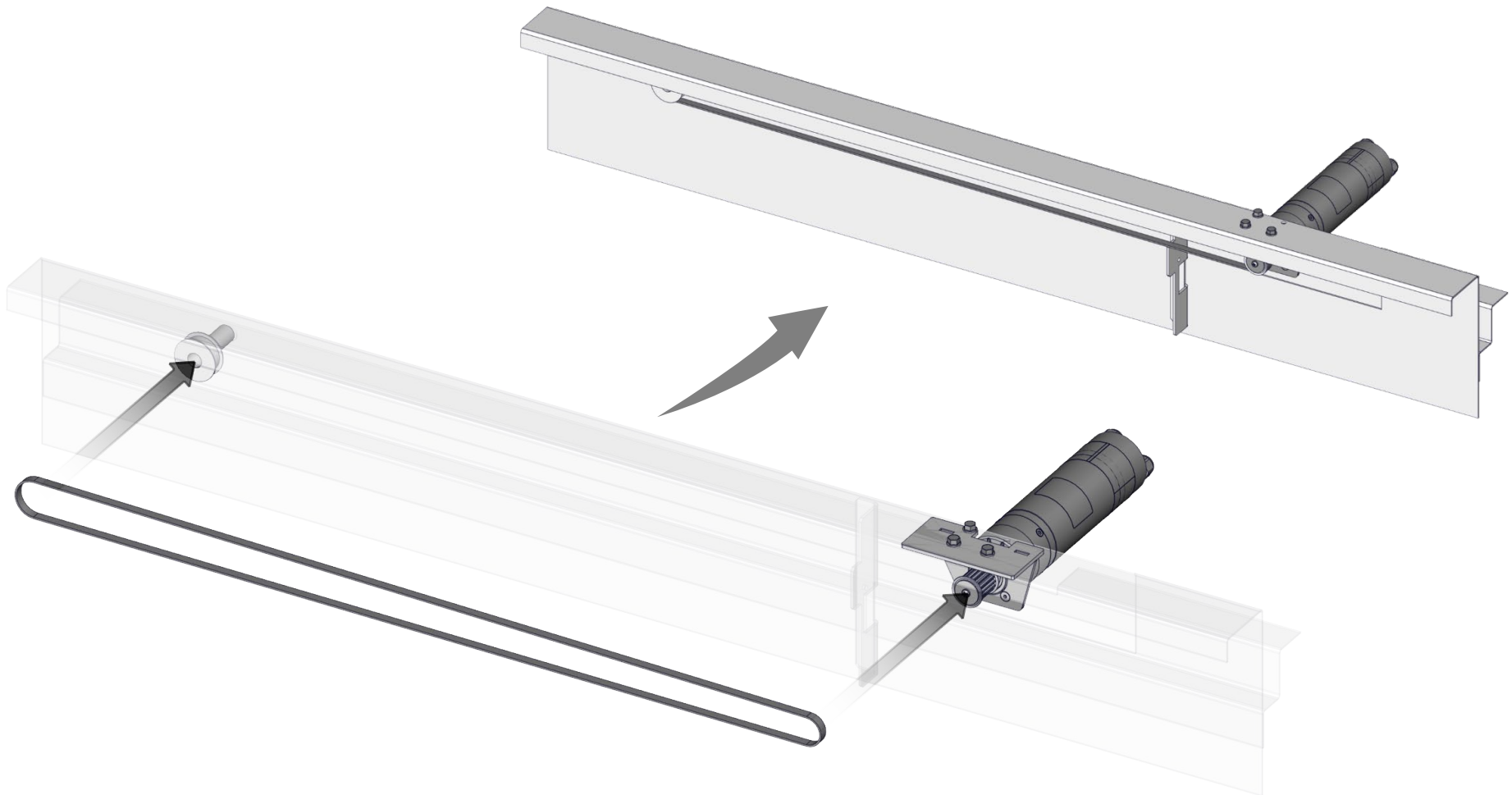


Pos.	Number	Description DE	Description EN	Menge
310	01.36.00593	Senkkopfschraube mit Innensechskant ISO10642 vz 8.8 - M5x12	countersunk screw hexagon socket head ISO10642 vz8.8 - M5x12	4
410	08.20.50400.K1	TSG400 Antrieb PLG, ohne Zahnrad, 24V, i=9zu1, mit festem Kabel	TSG400 drive PLG, without pinion, 24V, i=9:1, with fixed cable	1

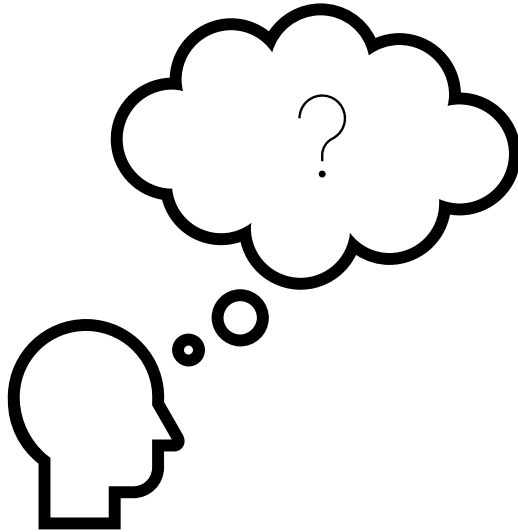


Pos.	Number	Description DE	Description EN	Menge
310	01.36.00008	Linsenschraube DIN7985 vz 4.8 - M4x20	pan head screw DIN7985 vz 4.8 - M4x20	1
320	01.36.00451	Kotflügelscheibe DIN522 vz - 4,3x25x1,25	wing repair washer DIN522 vz - 4,3x25x1,25	1
410	01.20.60197	Zahnriemenrad, HTD5M, d=14H7, D=29[mm], B=25[mm], mit Nut, mit 2 Bordscheiben	toothed belt wheel, HTD5M, d=14H7, D=29[mm], B=25[mm]	1

Montage Zahnriemen – assembly of toothed belt







Langer & Laumann Ingenieurbüro GmbH
Wilmsberger Weg 8
48565 Steinfurt
Germany

Tel.: +49 (2552) 92791 0

support@lul-ing.de
www.lul-ing.de