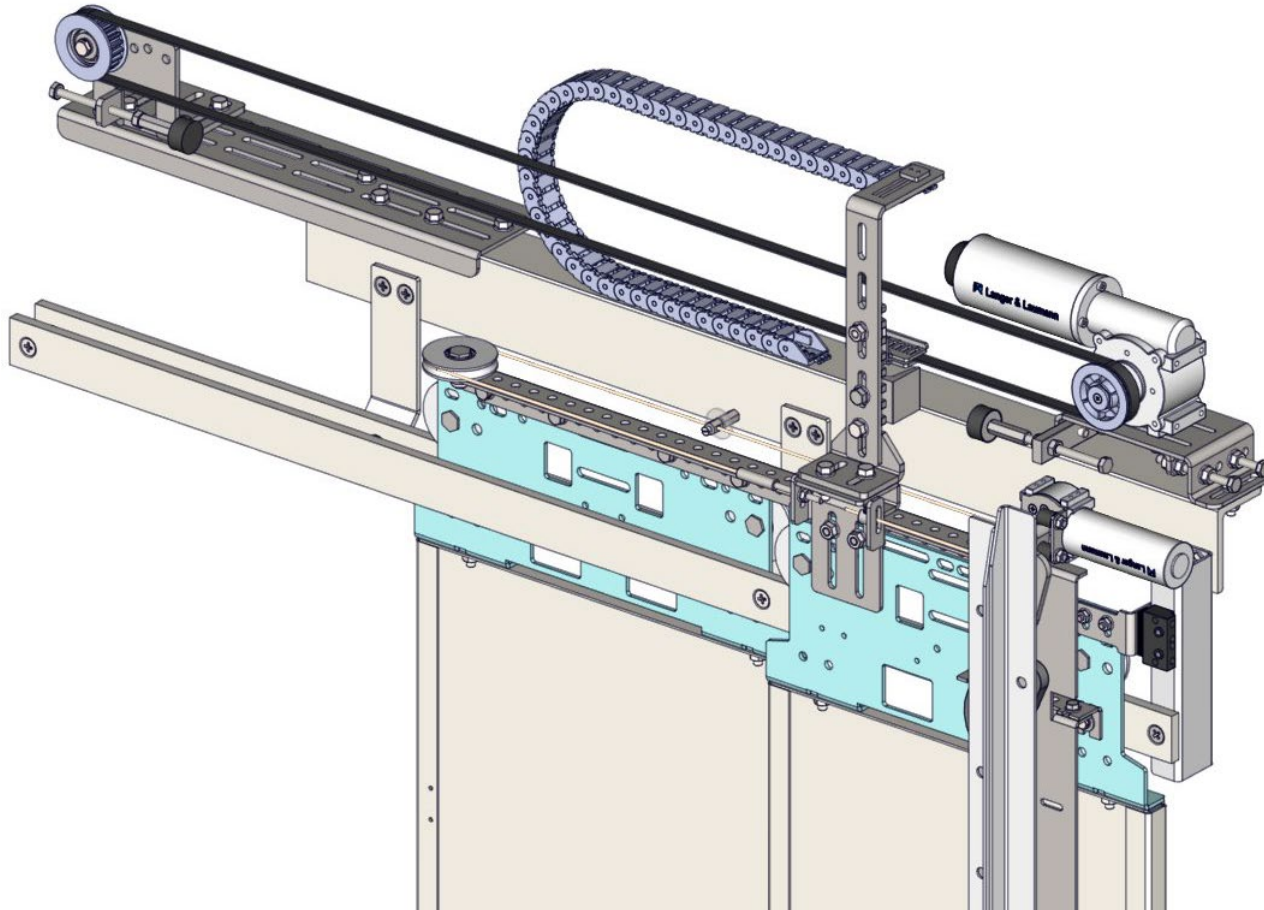


Montageanleitung **Assembly Instruction**

TSG V4 für Haushahn **TSS72/TASS80** **TSG V4 for Haushahn** **TSS72/TASS80**

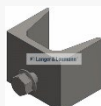
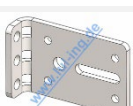
TSG V4 für Haushahn TSS72/TASS80 – **TSG V4 for Haushahn TSS72/TASS80**



Lieferumfang – scope of supply



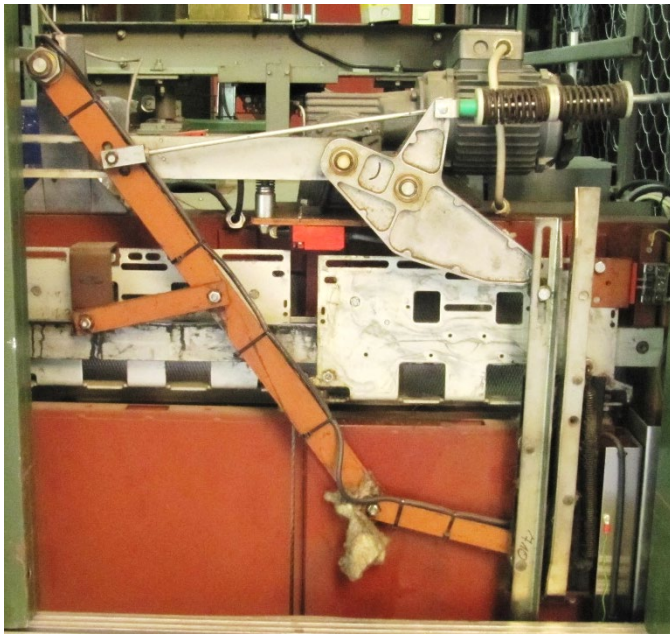
picture	Number	description DE	description EN	quantity TR / TL	quantity Z
	8.20.00131.04	TSG V4 Lift Door Operator – Electronic extern- 230[VAC]/50-60[Hz]	TSG V4 Lift Door Operator – Electronic extern	1	1
	8.20.4000x.X1	Motor Gross Links/Rechts & Getriebe, 24V/4,9A/1:15	motor large left/right & gearbox, 24V/4,9A/1:15	1	1
	8.20.60002.40	TSG Zahnriemen [4,0m]	TSG toothed belt [4,0m]	1	2
	8.20.2011x	Elektrisches Schwert für HH TSS72, TL/TR	electric skate for HH TSS72 TL/TR	1	2
	8.20.13260	Seilrolle (2x) für 2:1 Übersetzung Drahtseil, für Seil-Ø:3[mm], in Tüte verpackt	pulley (2x) for 2:1 transmission wire rope, für ropeØ: 3[mm]	2	4
	8.20.30000	Option Energiekette für TSG Zusatzantrieb	Energy Chain option for TSG	1	1
	1.20.60003	TSG Umlenkrad	TSG counter roller	3	6
	1.20.60005	TSG Zahnriemenschluss, Stahl	TSG toothed belt lock, steel	1	2

picture	Number	description DE	description EN	quantity TR / TL	quantity Z
	1.20.92110	Adapterplatte	adapter plate	1	1
	1.20.92060	Montagewinkel für Türflügelmitnehmer	mounting angle for door panel coupler	1	2
	1.20.92030	Verbindungsplatte für rechtwinkligen Türflügelmitnehmer mit Langlöcher	connecting plate for right-angled door panel coupler with slotted holes	1	2
	1.20.92020	TSG Türflügelmitnehmer, rechtwinklig, mit Langlöcher	TSG door panel coupler, rectangular, with oblong holes	1	2
	1.20.60020	TSG Anschlag für Türflügelmitnehmer	TSG stopper for door coupler	1	1
	1.20.60030	TSG Anschlagsatz Puffer inkl. Halterung	TSG stopper kit buffer incl. holder	1	1
	1.20.60061	TSG Motorspannwinkel, Ausführung 'Hut' (nur K-Antriebe)	TSG motor clamping bracket, 'hat' version (only K drives)	1	1
	1.20.60064	TSG Halter für Umlenkrad und Puffer passen zu Motorspannwinkel "HUT" nicht Spannbar	TSG bracket for counter roller and bumper	1	1
	1.20.60530	Spannwinkel für Motorhalterung	clamping bracket for drive bracket	1	1

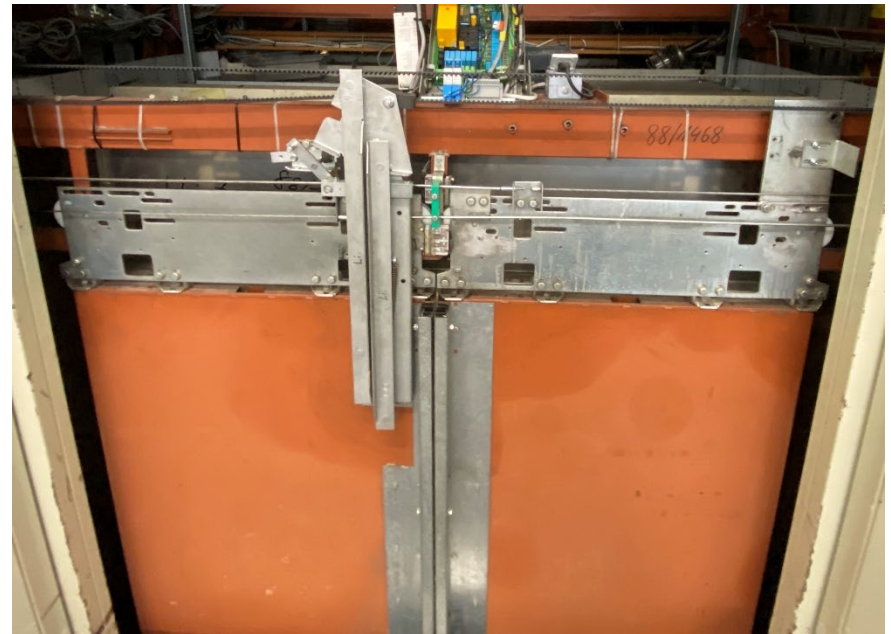
picture	Number	description DE	description EN	quantity TR / TL	quantity Z
	1.20.62210	Querträger für 2:1 Übersetzung Drahtseil, rechtwinkelig mit Bohrungen, l=ca. 640[mm]	Crossbeam for 2:1 transmission wire rope	2	4
	1.20.62250	Schraubterminal mit Außengewinde für 2:1 Übersetzung Drahtseil	screw terminal with external thread for 2to1 transmission	1	2
	1.20.62255	Schraubterminal einfach für 2:1 Übersetzung Drahtseil Selbstmontage-Fittings, Seil-Ø mm: 3 und 4	screw terminal single for 2to1 transmission	1	2
	1.20.62260	Drahtseil verzinkt für 2:1 Übersetzung Drahtseil, Seil-Ø: 3[mm]	wire rope galvanised for 2:1 transmission wire rope, rope-Ø:3[mm]		
	1.20.62280	Klemme Drahtseil für 2:1 Übersetzung Drahtseil	clamp wire rope for 2 to 1 transmission	1	2
	8.20.13345	Schraubentüte TSS72 mit E-Schwert	screw bag TSS72 with e-skate	1	2
	1.35.00138	Sperrzahnschraube WN0274 A2C 8.8 - M6x16	hexagon head serrated screw WN0274 A2C 8.8 - M6x16	4	8

Vor Umbau entfernen – remove before conversion

TL



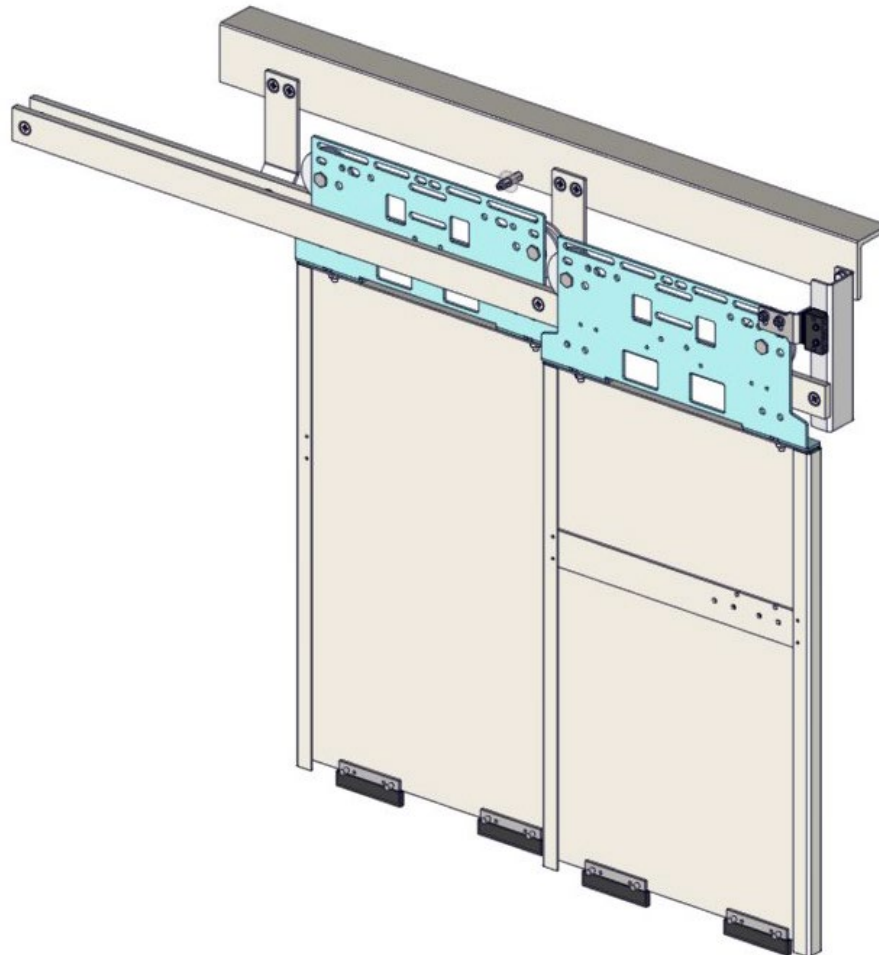
Z



**TR spiegeltbildlich –
TR mirrored**

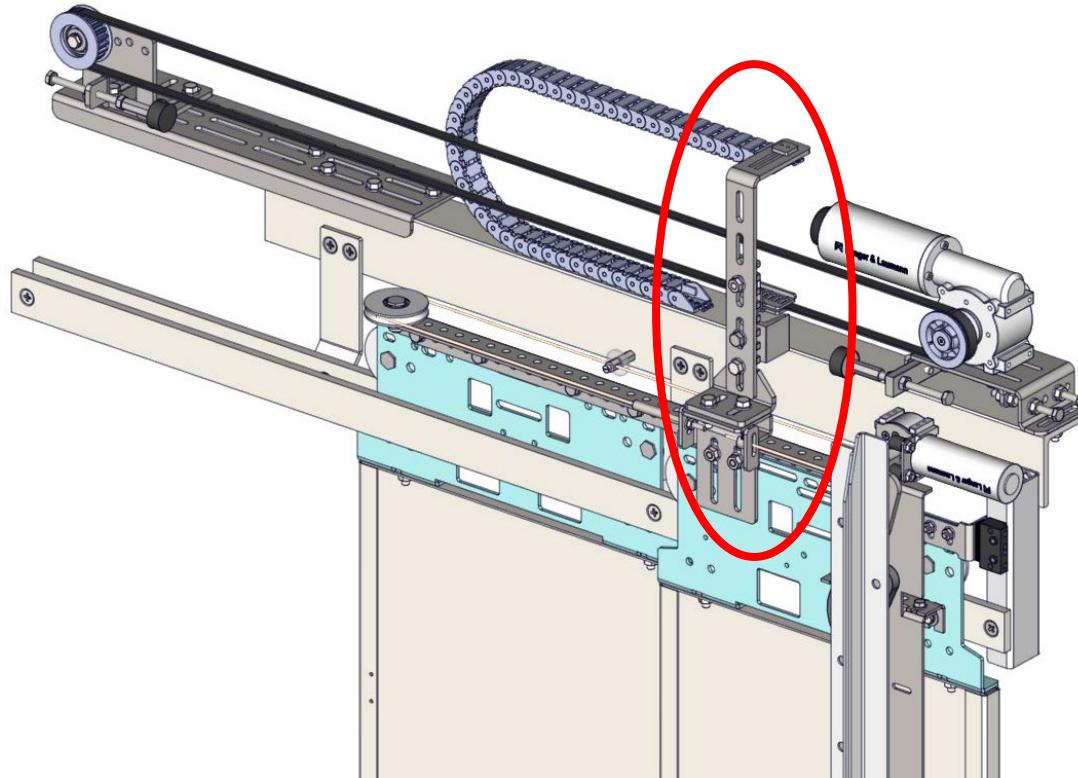
Nach Demontage – after disassembly

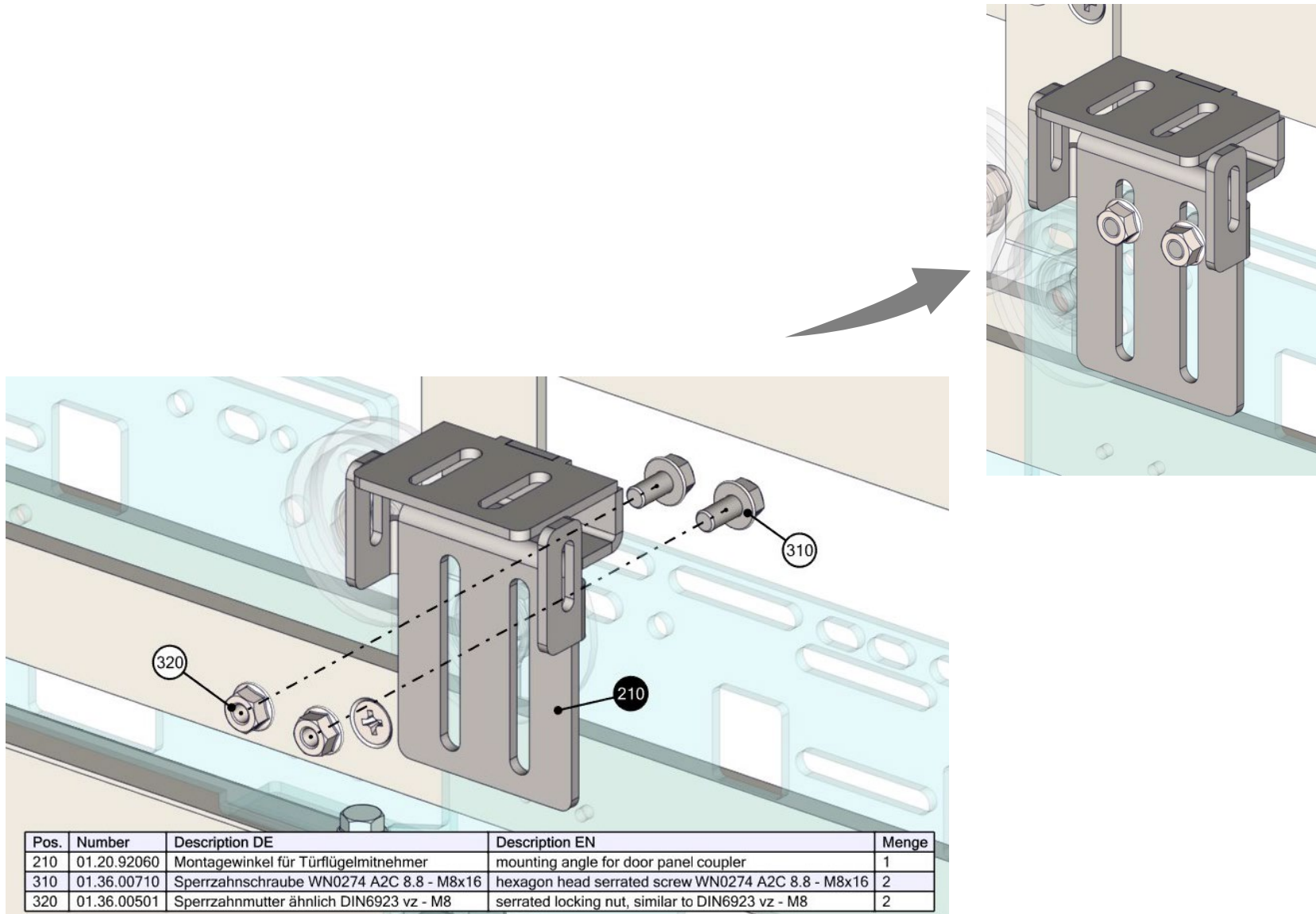
TL



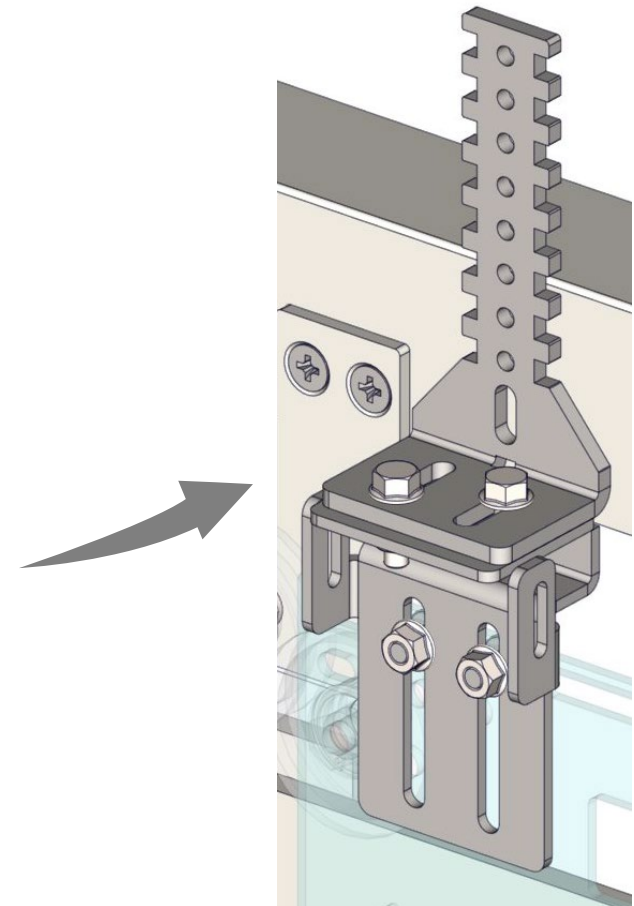
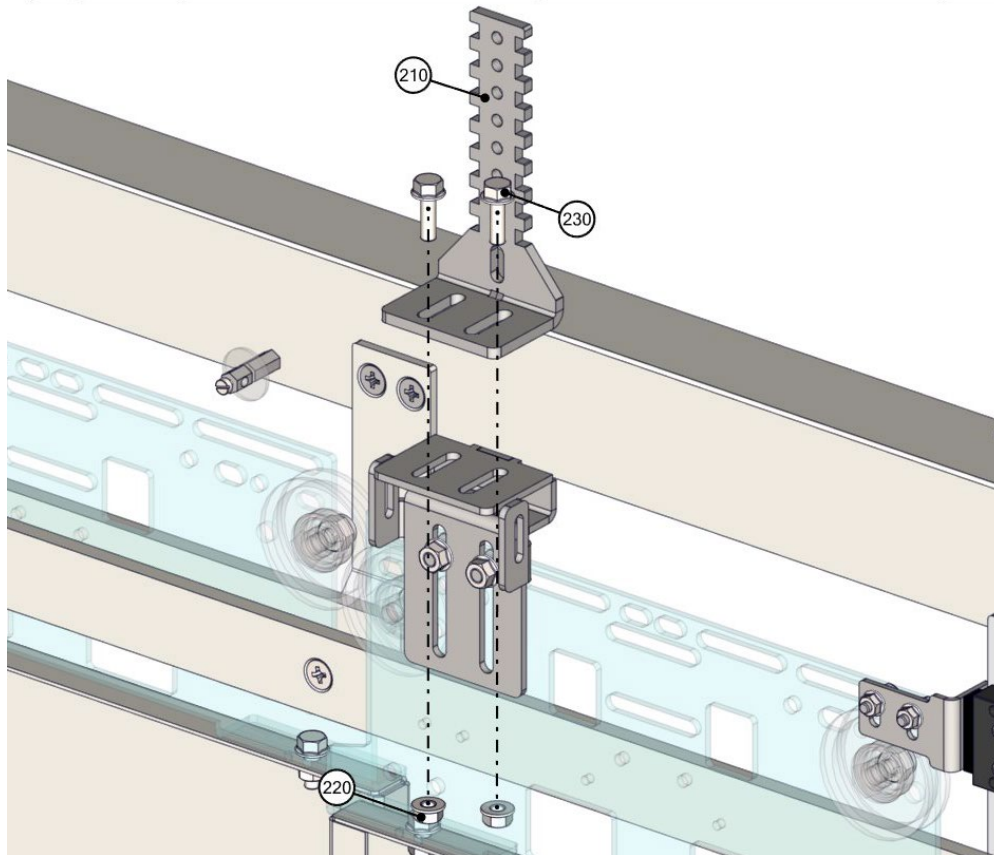
TR spiegelbildlich –
TR mirrored

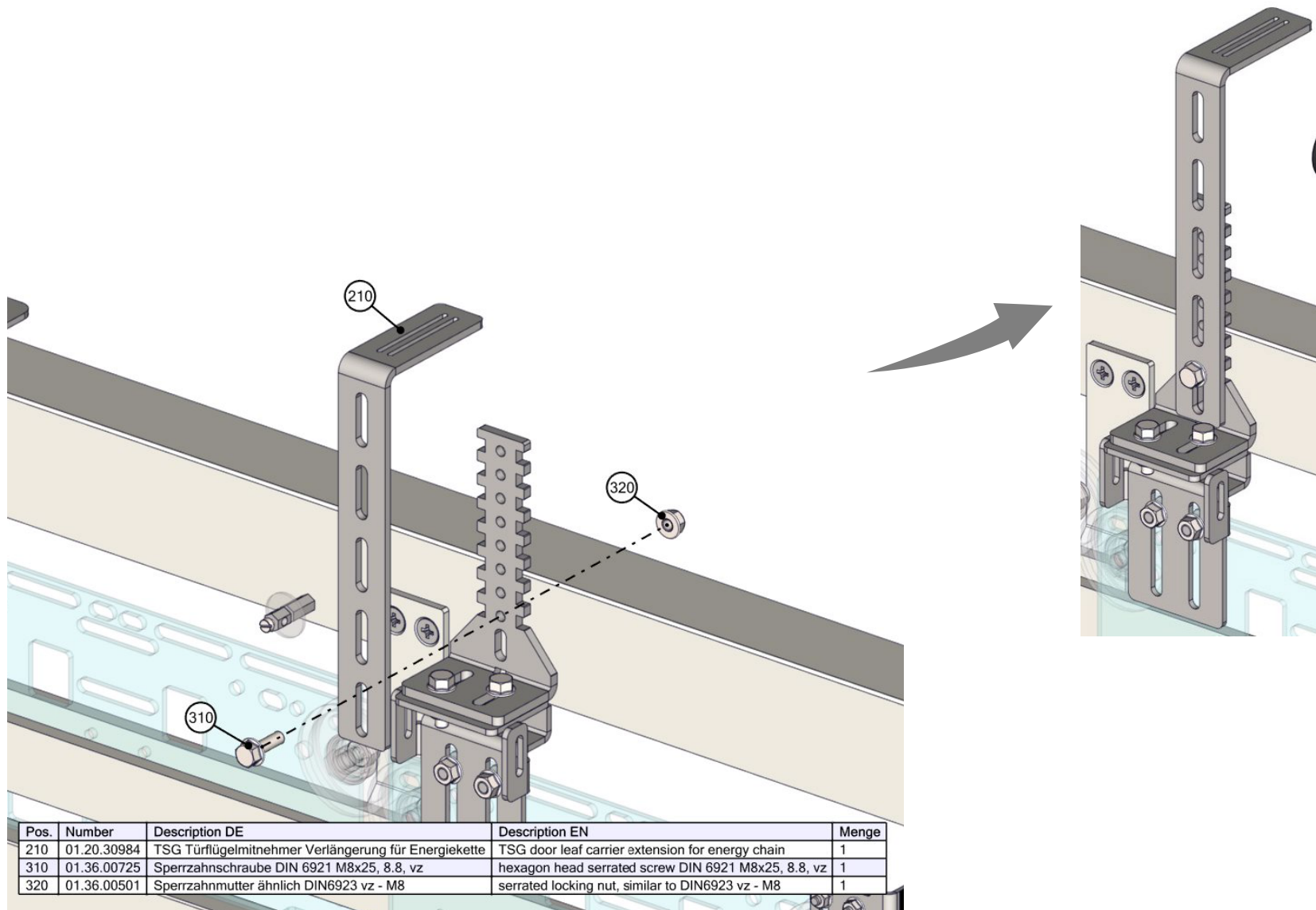
Montage Türflügelmitnehmer – assembly of door panel coupler

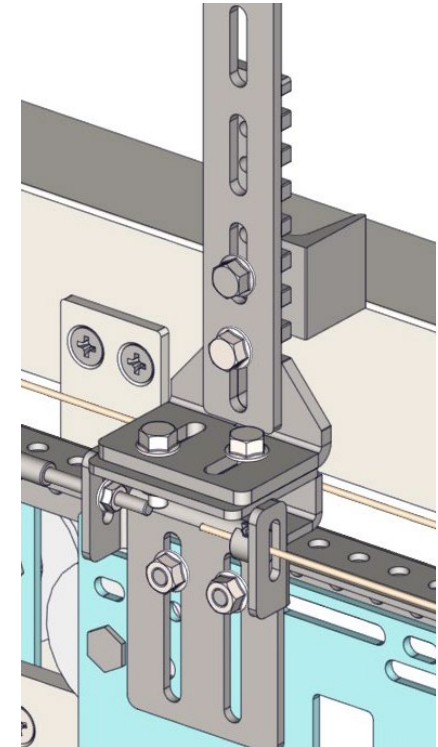
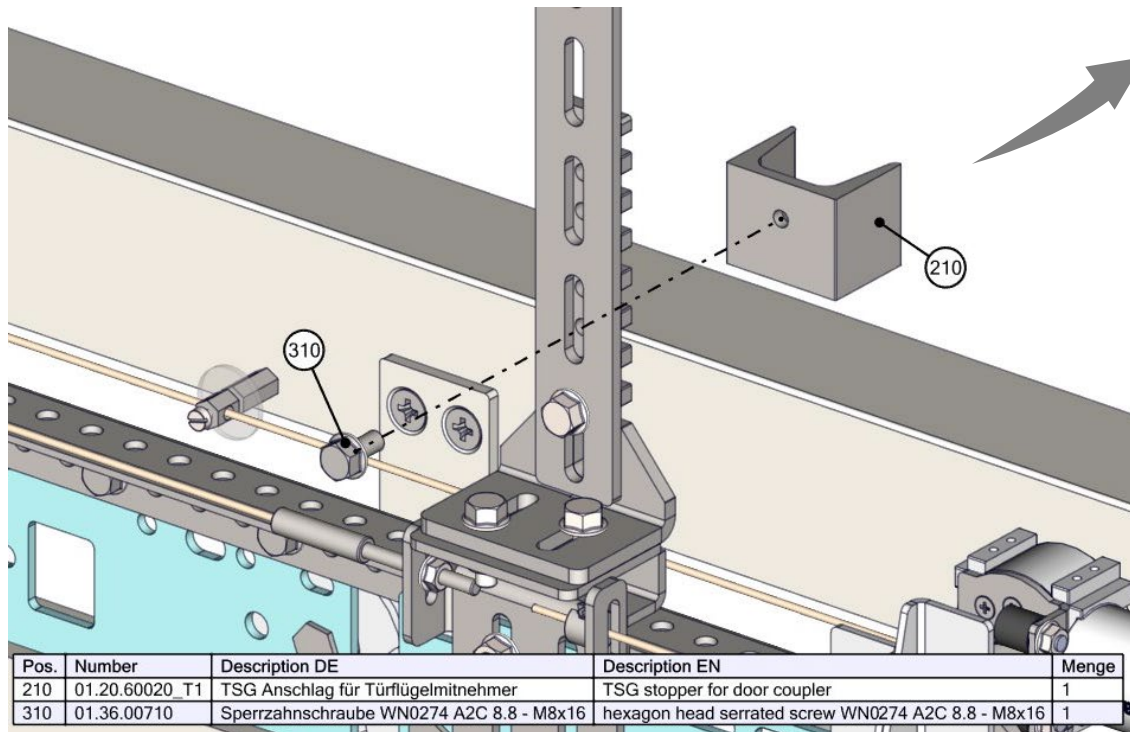


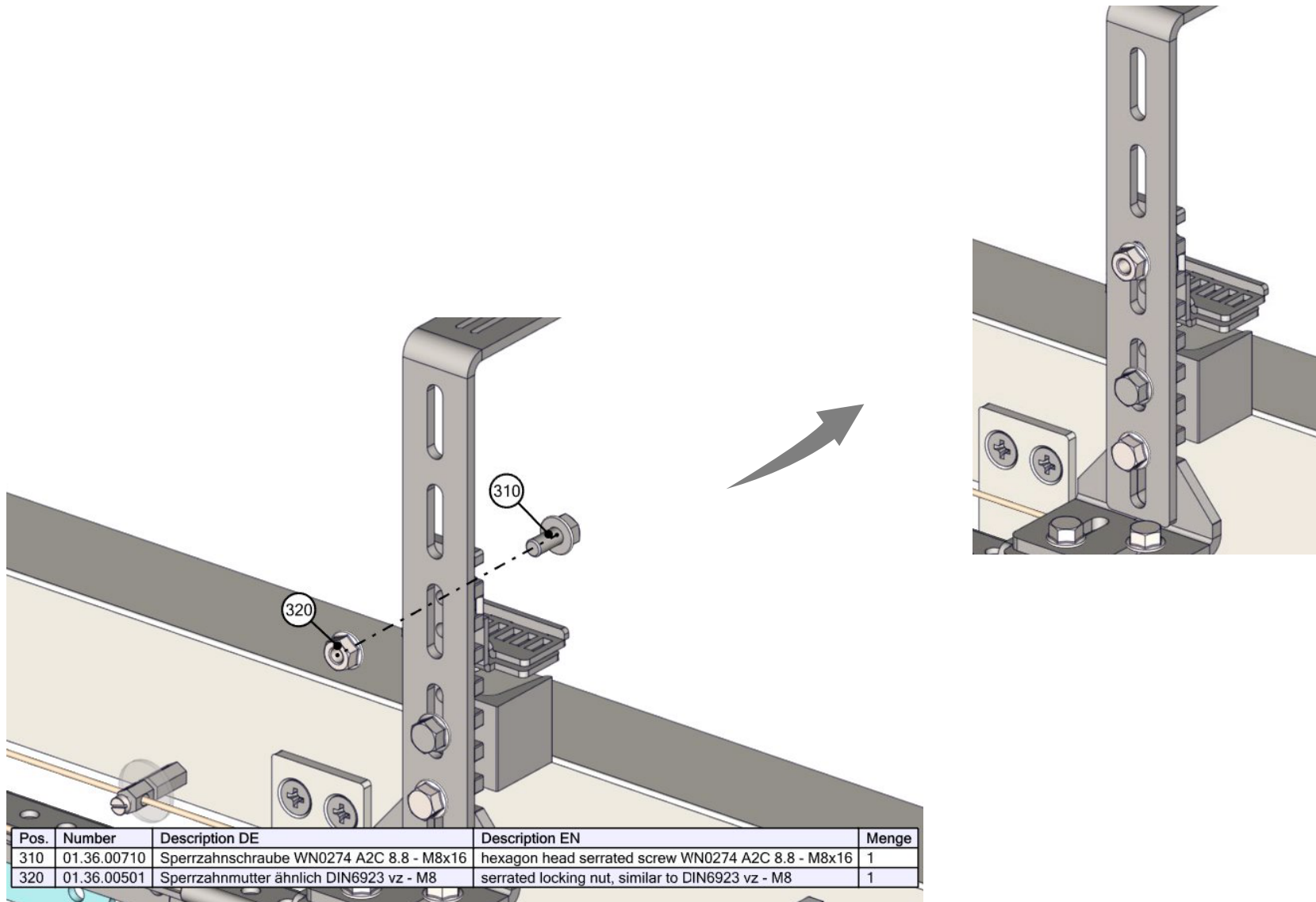


Pos.	Number	Description DE	Description EN	Menge
210	01.20.92020	Türflügelmitnehmer, rechteckig mit Langlöcher	TSG door panel coupler, rectangular, with oblong holes	1
220	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	2
230	01.36.00725	Sperrzahnschraube DIN 6921 M8x25, 8.8, vz	Hexagon head serrated screw DIN 6921 M8x25, 8.8, vz	2

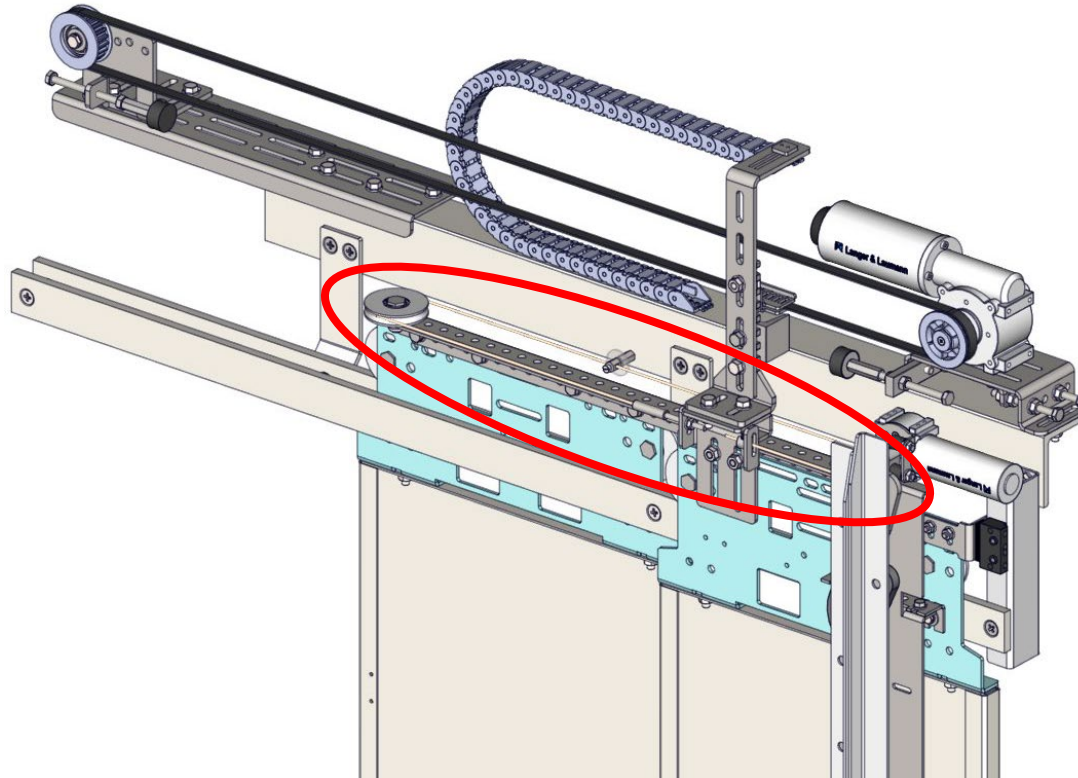


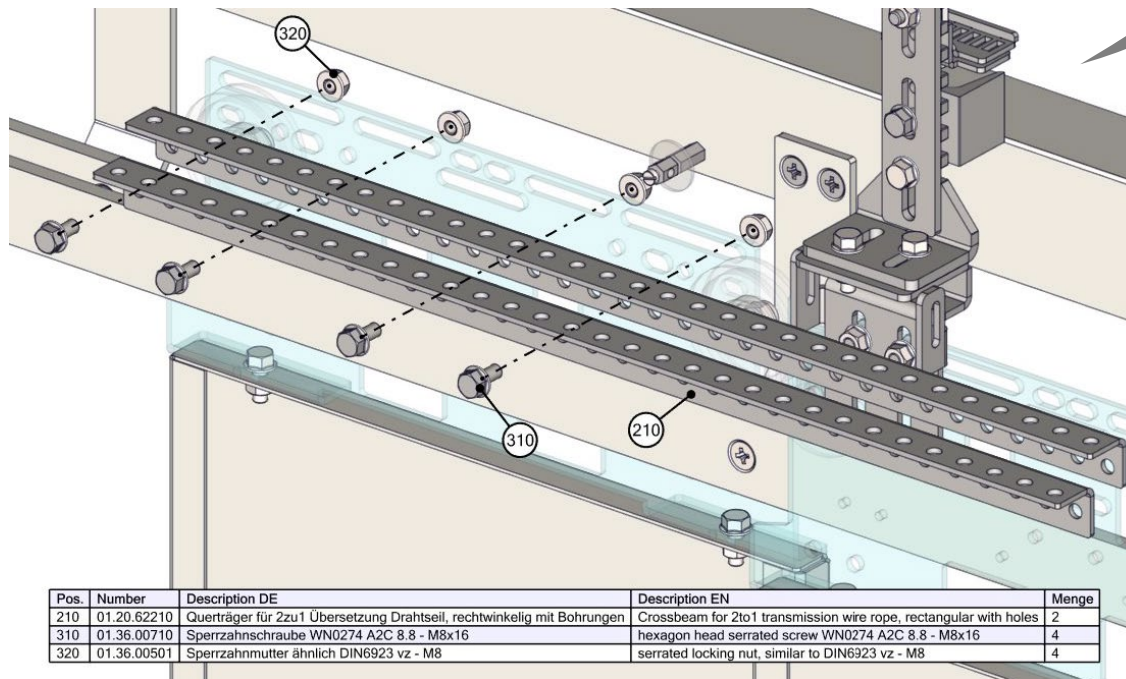
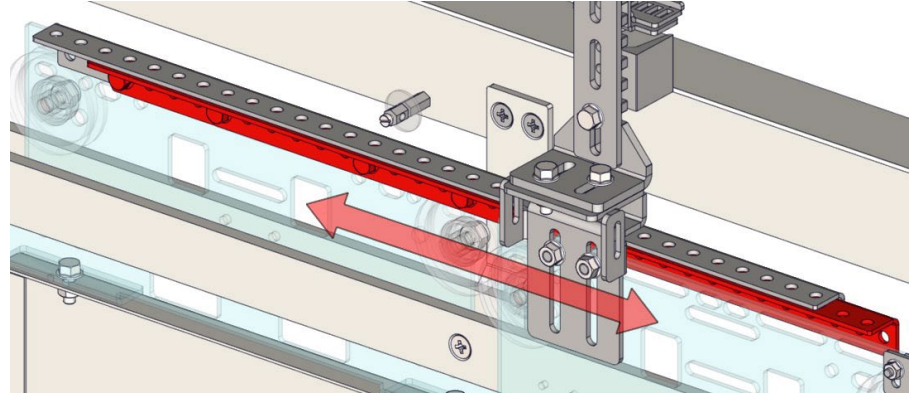


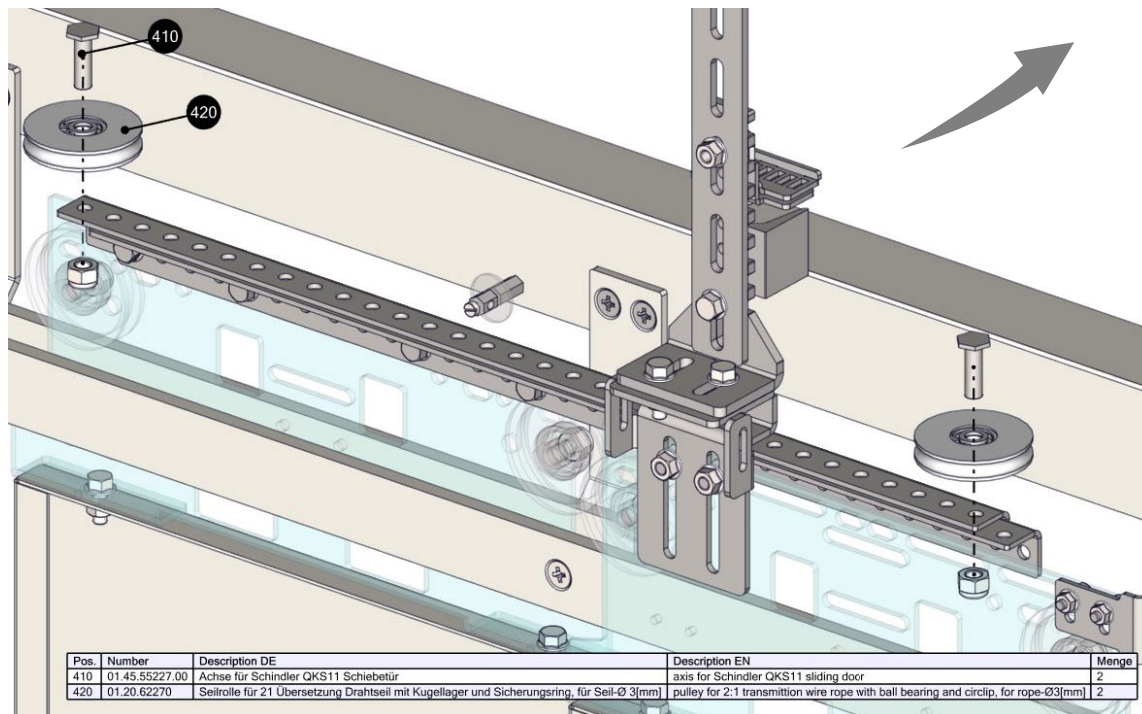
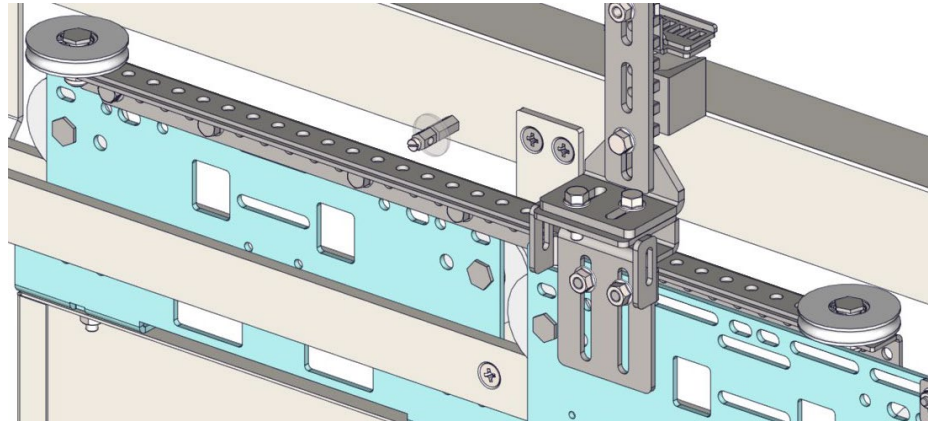


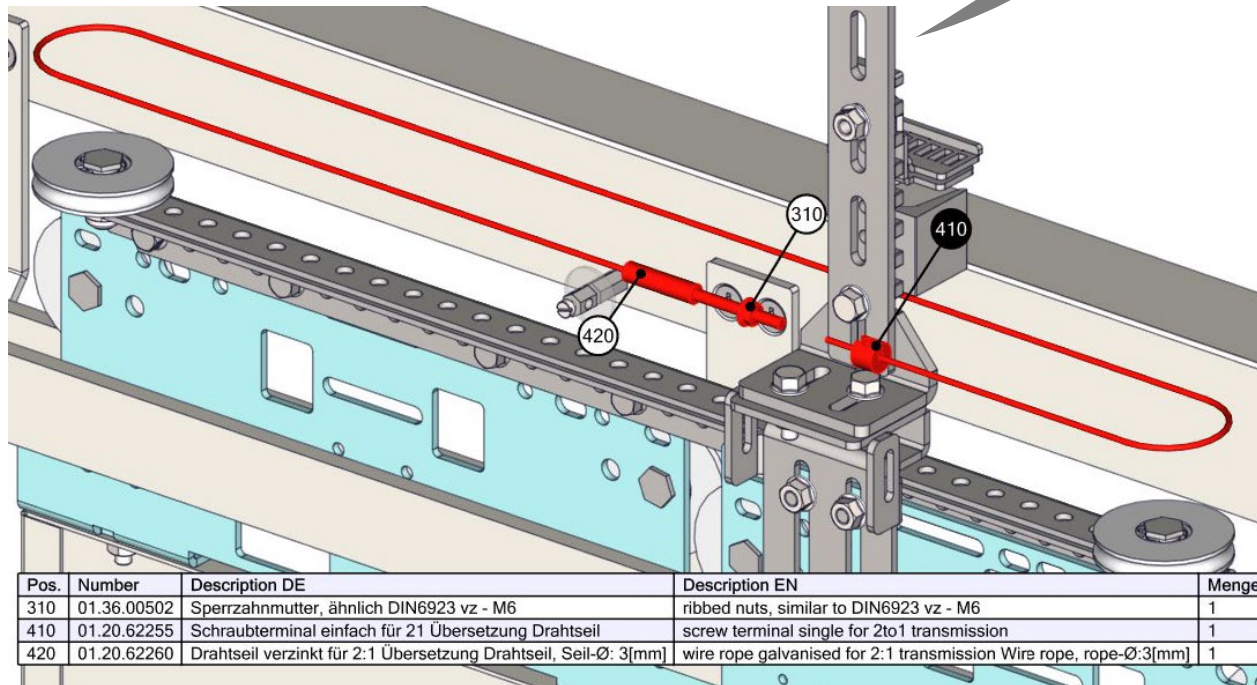
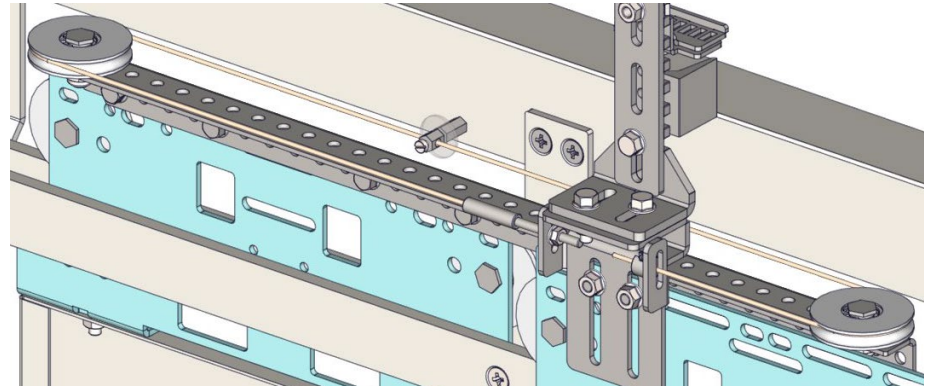


Montage 2:1 Übersetzung – assembly of 2:1 transmission

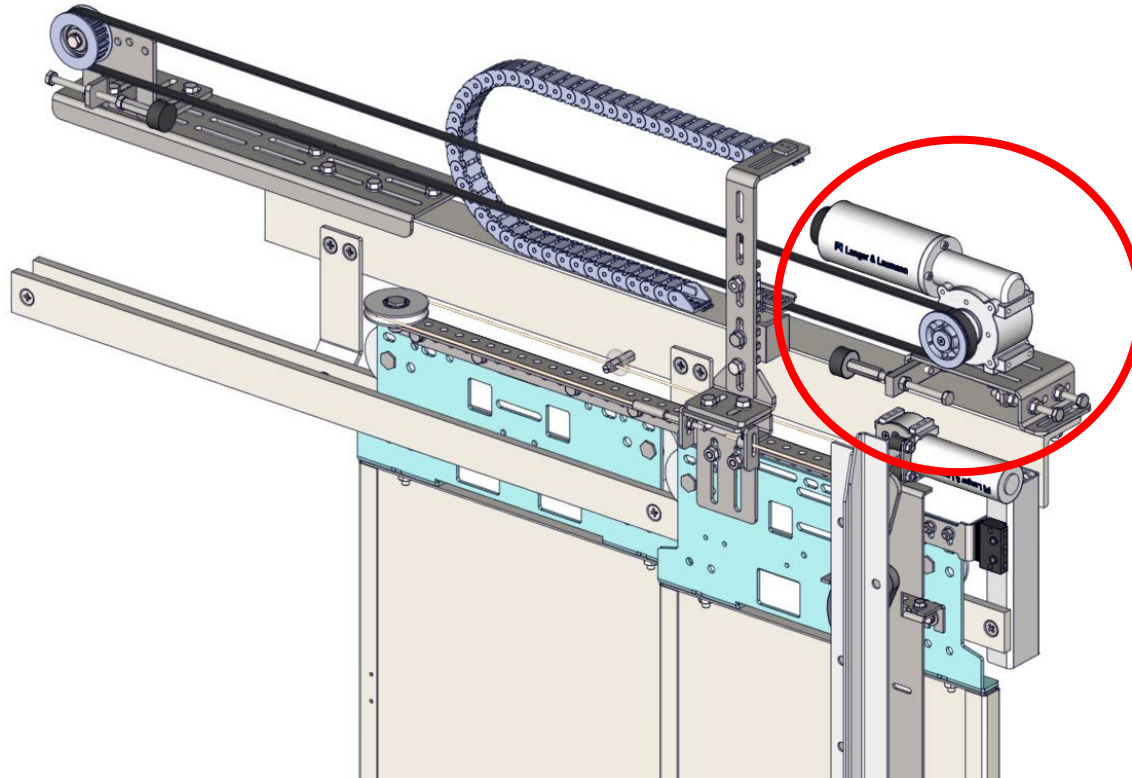




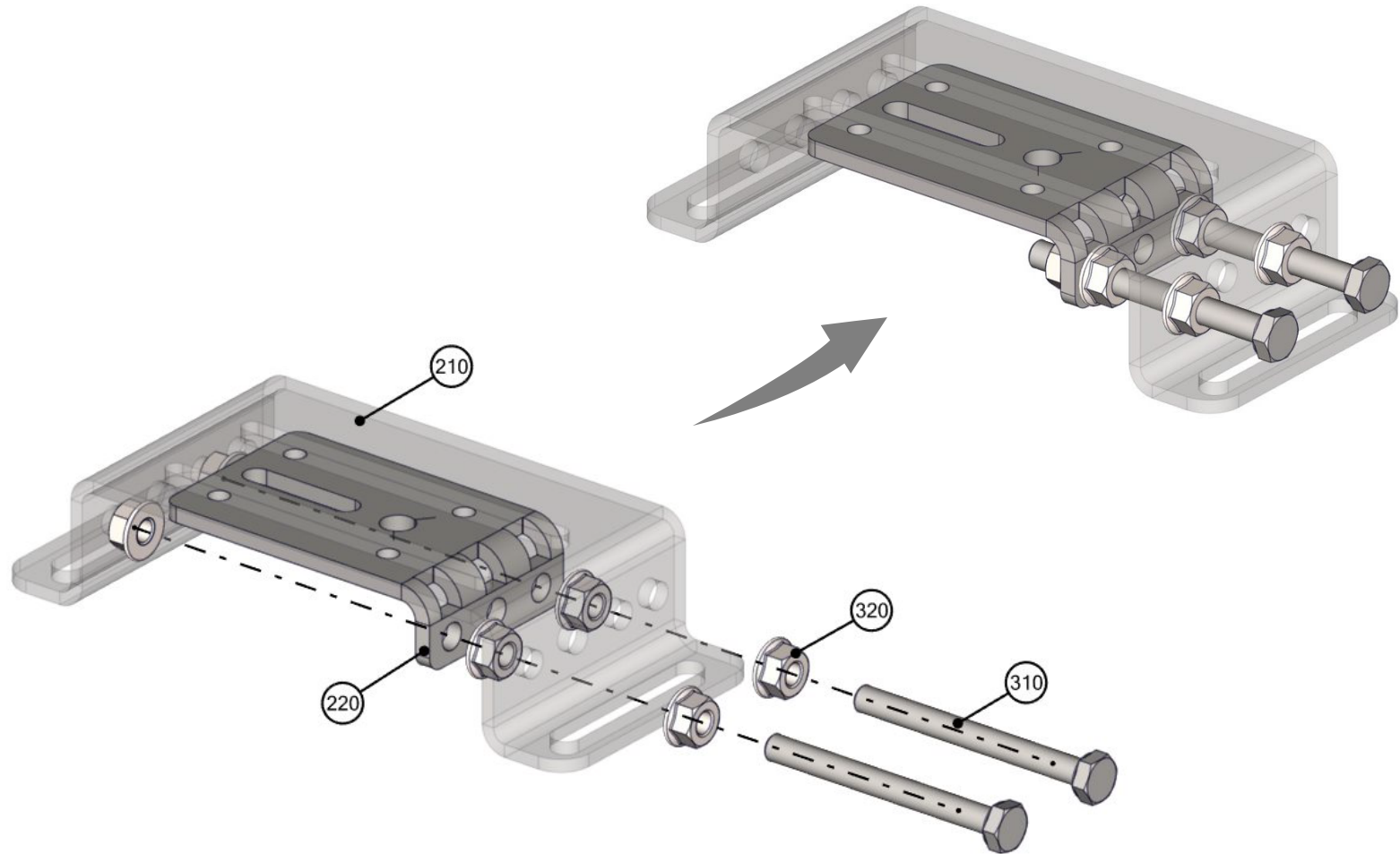




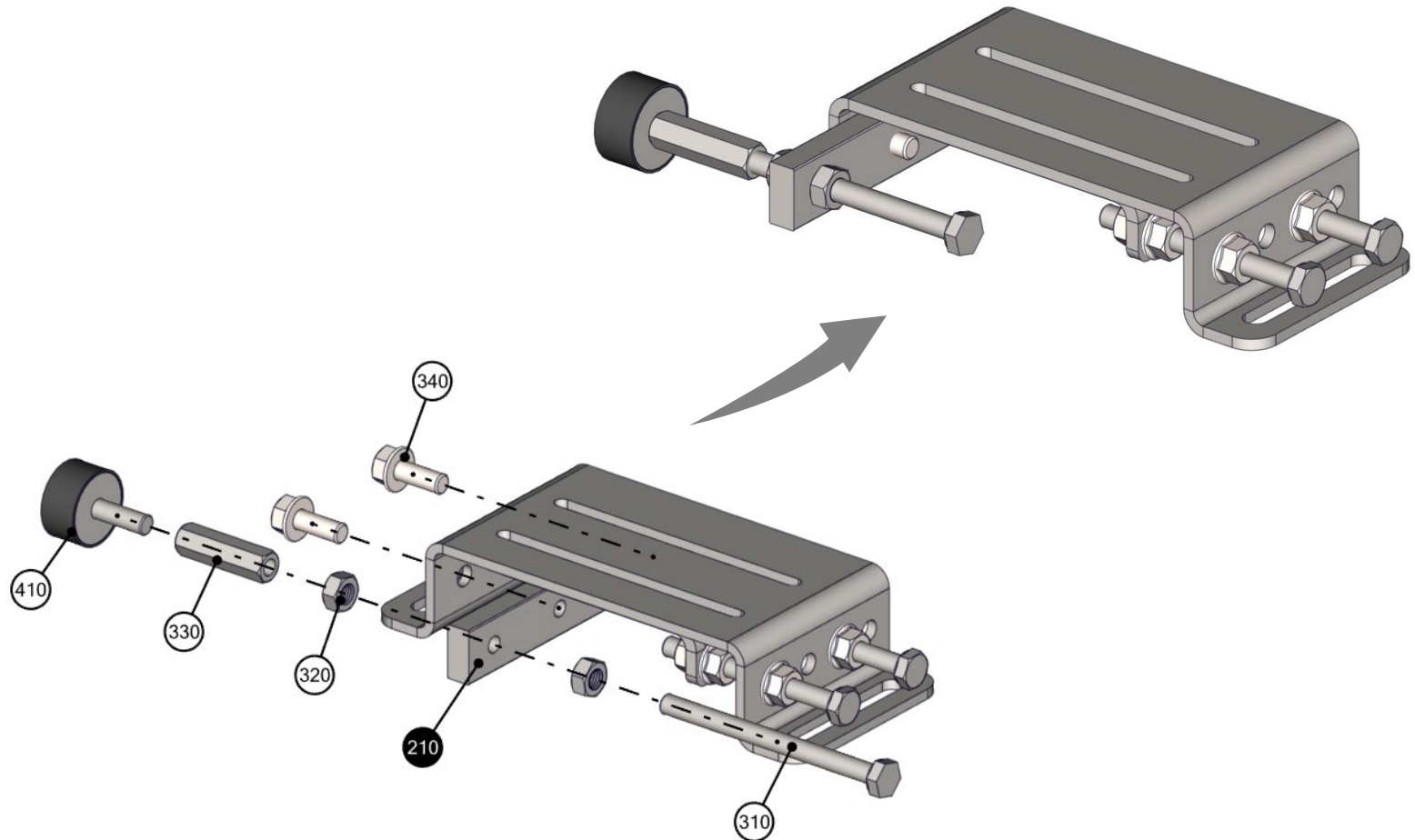
Montage TSG und Umlenkrollen – assembly of TSG and pulleys



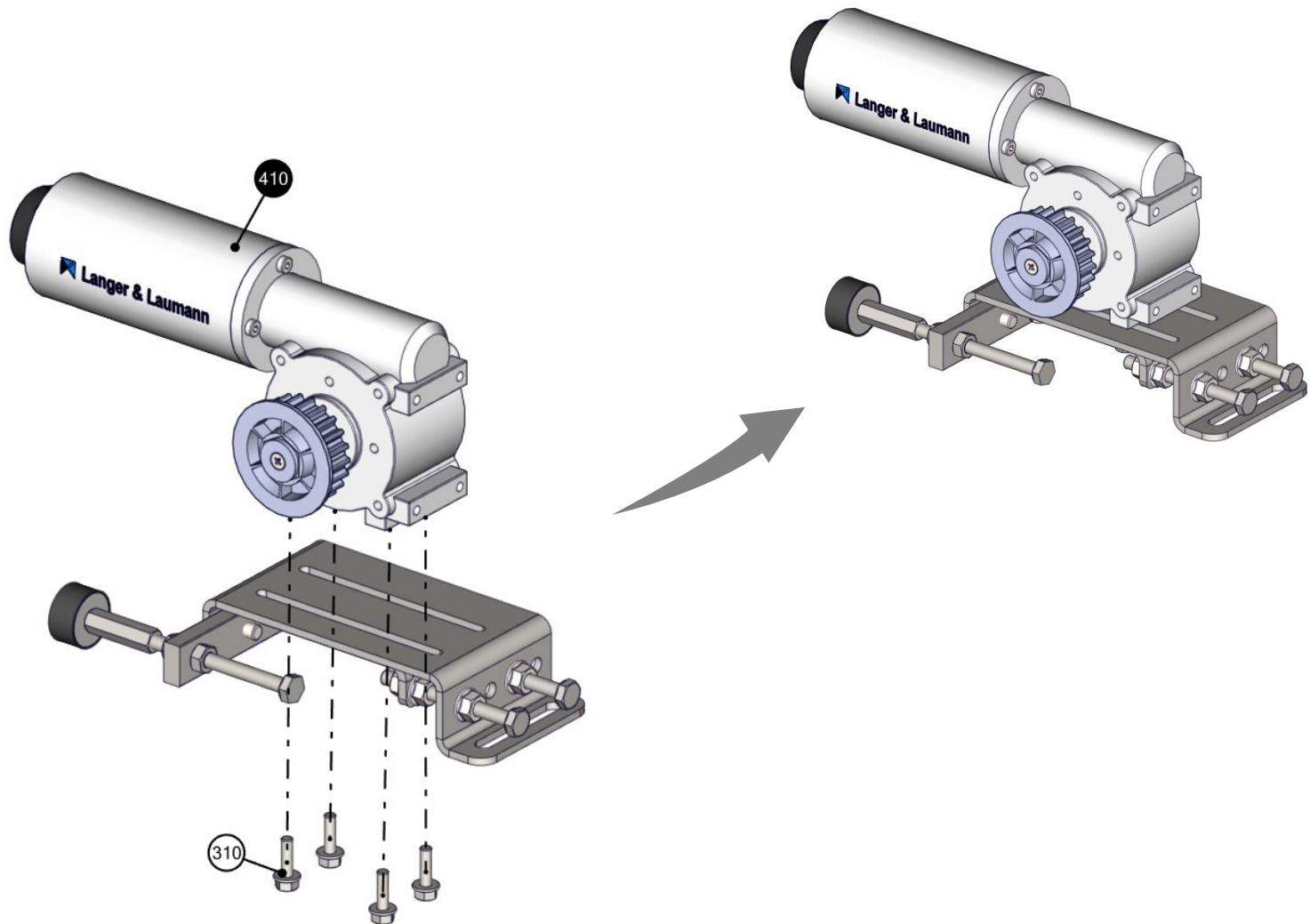
TR spiegelbildlich –
TR mirrored



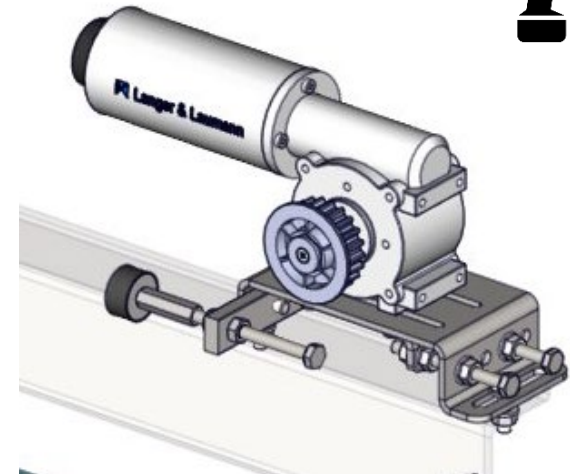
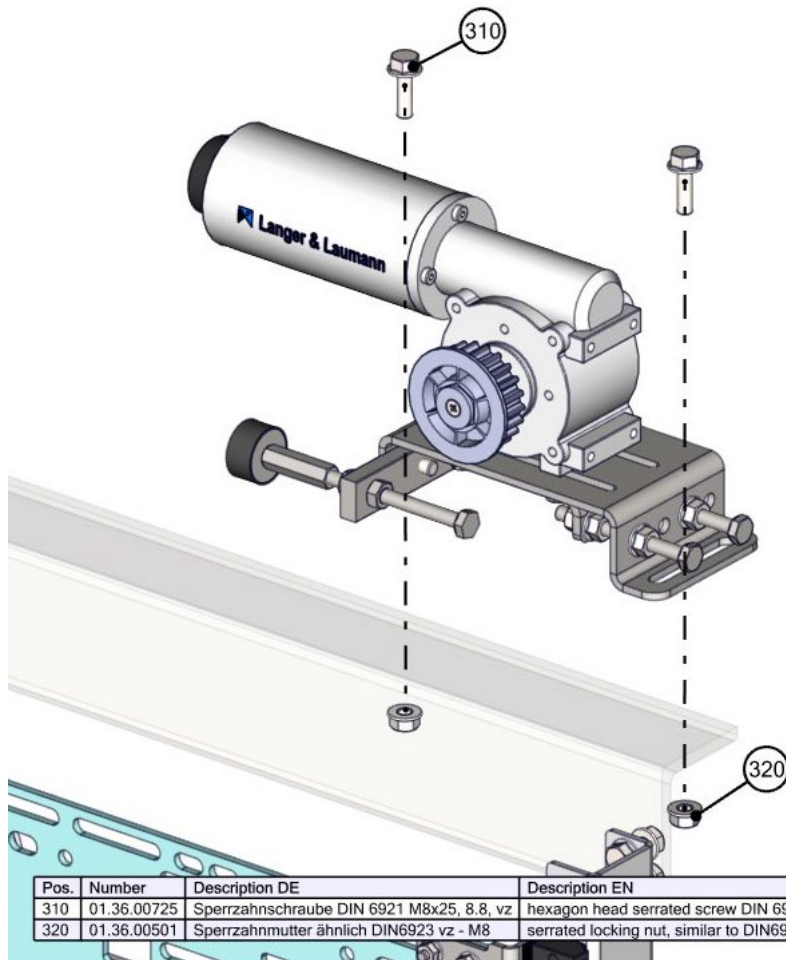
Pos.	Number	Description DE	Description EN	Menge
210	01.20.60061	TSG Motorspannwinkel, Ausführung Hut (nur K-Antriebe)	TSG motor clamping bracket, 'hat' version (only K drives)	1
220	01.20.60530	Spannwinkel für Motorhalterung für Thy F9	clamping bracket for drive bracket for Thy F9	1
310	01.36.05640	Sechskantschraube ISO 4017 - M8x80 - 8.8, V4A	hexagonal bolt ISO4017 V4A 8.8 - M8x80	2
320	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	6



Pos.	Number	Description DE	Description EN	Menge
210	01.20.60030	TSG Anschlagsatz Puffer inkl. Halterung	TSG stopper kit buffer incl. holder	1
310	01.36.00177	Sechskantschraube ISO 4017 - M8 x 100 - 8.8, vz	hexagonal bolt, thread up to head DIN933 vz 8.8 - M8x100	1
320	01.36.00430	Sechskantmutter ISO 4032 - M8 - 8, vz	hexagon nut DIN934-8 vz 8.8 - M8	2
330	01.36.00121	Sechskantdistanzmuffe vz 8.8 - M8x40	hexagonal spacer sleeve vz 8.8 - M8x40	1
340	01.36.00720	Sperrzahnschraube WN0274 A2C 8.8 - M8x20	hexagon head serrated screw WN0274 A2C 8.8 - M8x20	2
410	01.20.91120	Gummi Metall Puffer 30x15, M8x20 Gewindebolzen	rubber-metal bump stop D30x15, threaded stud M8x20, 75 Shore	1

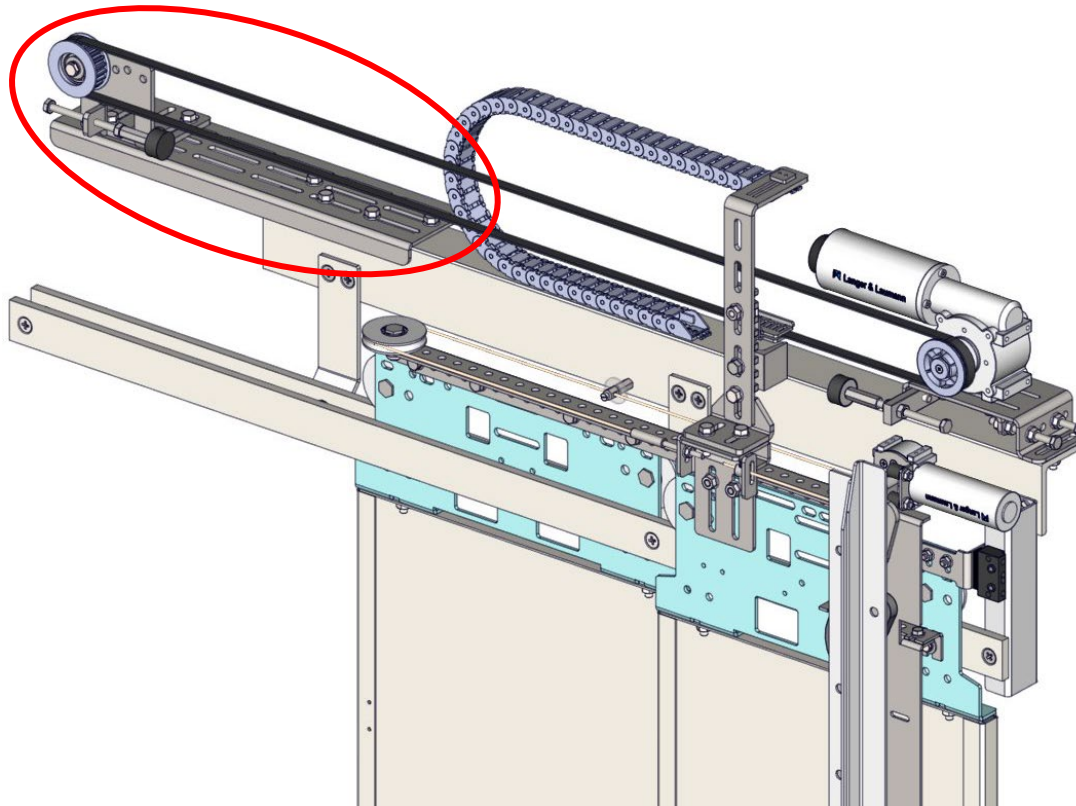


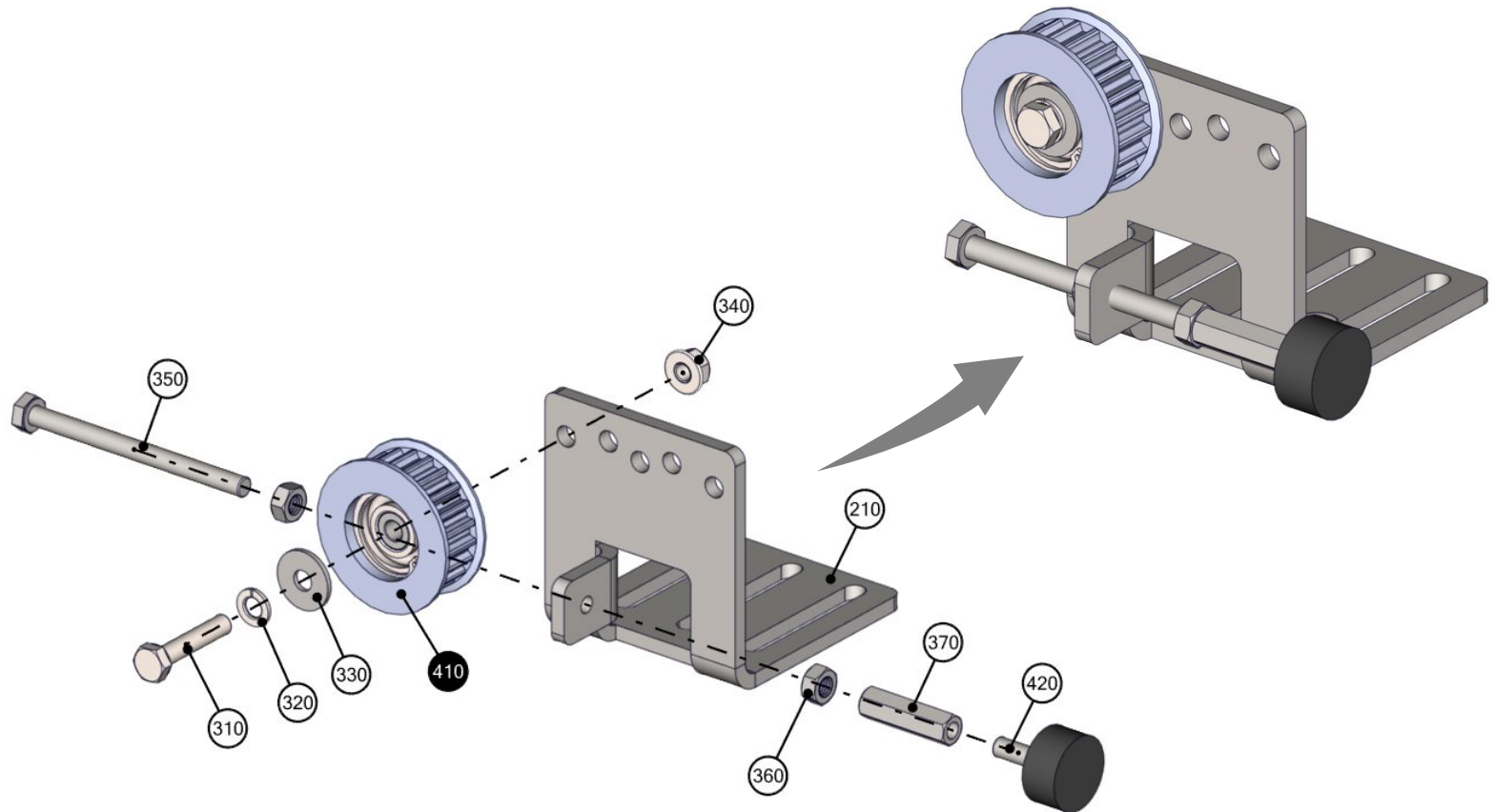
Pos.	Number	Description DE	Description EN	Menge
310	01.36.00137	Sperrzahnschraube vz 8.8 6x20	hexagon head serrated screw WN0274 A2C 8.8 - M6x20	4
410	08.20.40000.K1	Motor Gross Links & Getriebe, 24V/5,1A/1:15	Motor Large Left & Gearbox, 24V/5,1A/1:15	1



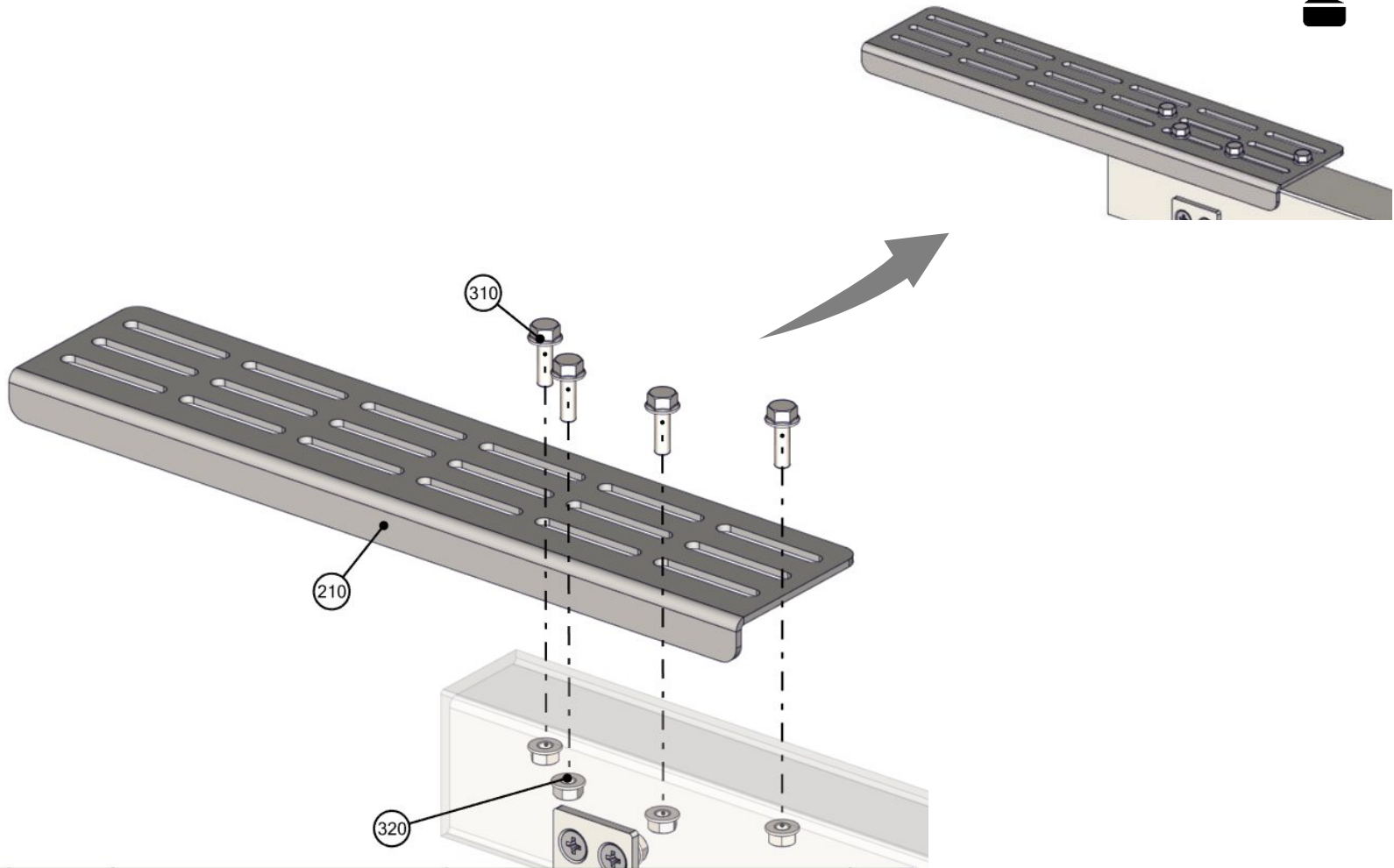
Pos.	Number	Description DE	Description EN	Menge
310	01.36.00725	Sperrzahnschraube DIN 6921 M8x25, 8.8, vz	hexagon head serrated screw DIN 6921 M8x25, 8.8, vz	2
320	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	2

Montage Umlenkrollen – assembly of pulley

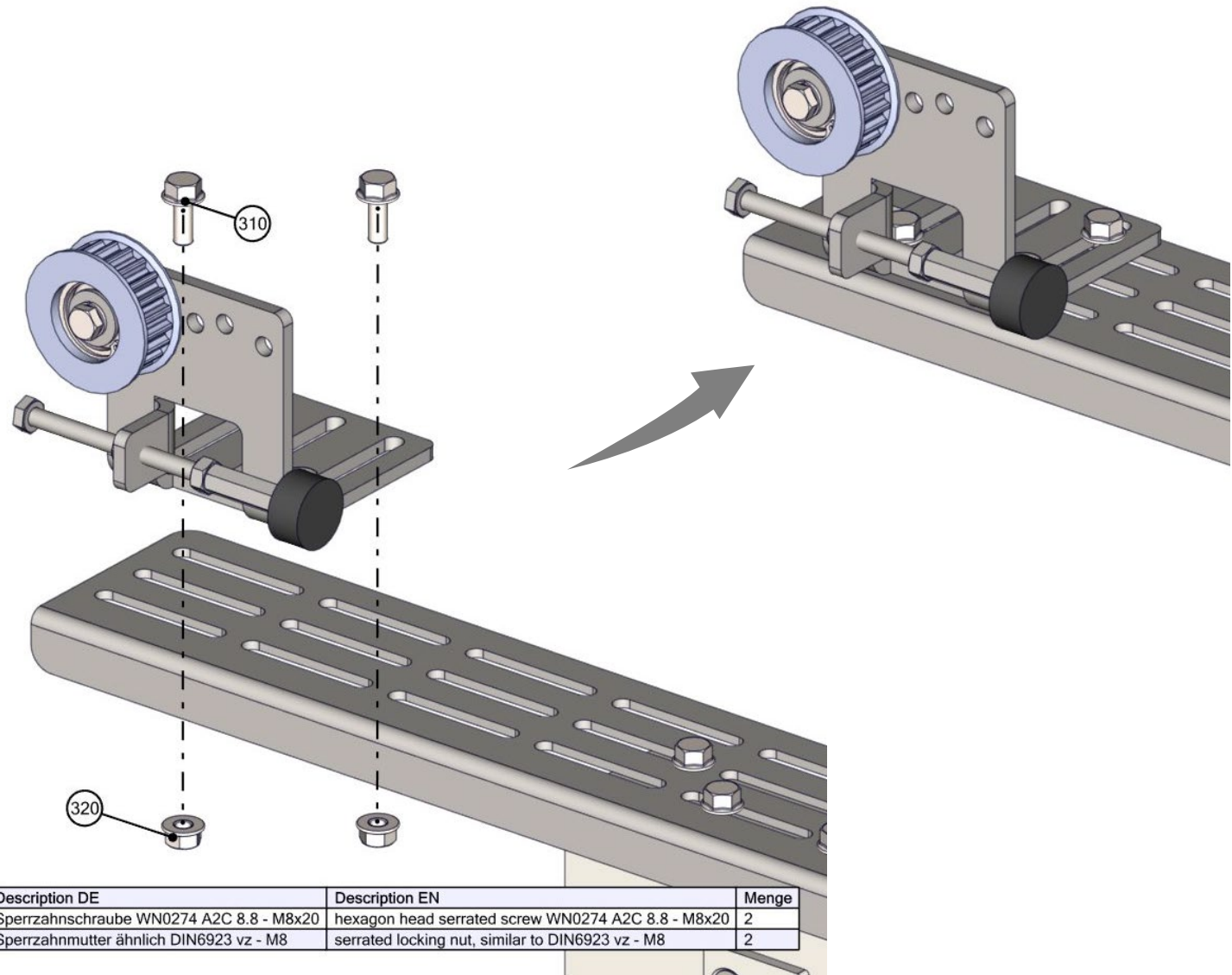




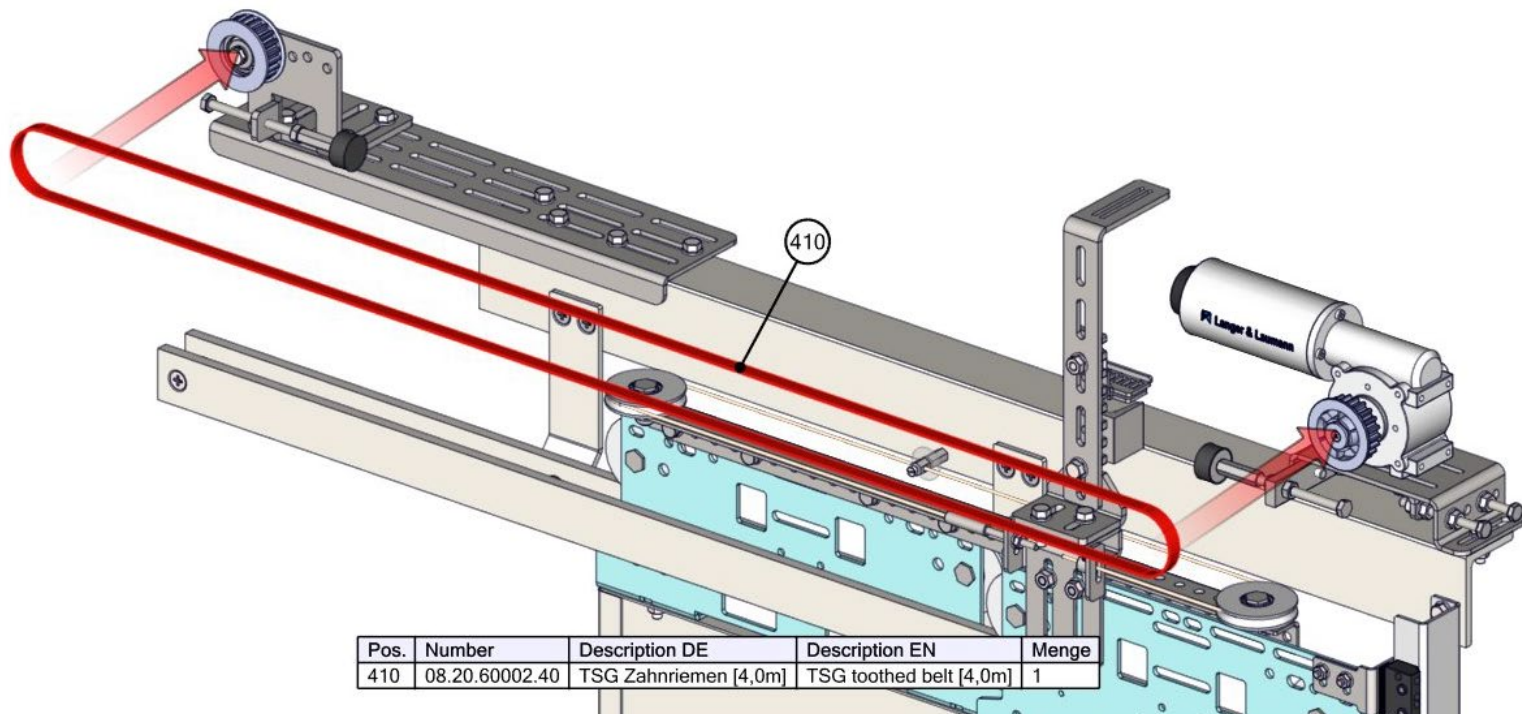
Pos.	Number	Description DE	Description EN	Menge
210	01.20.60064	TSG Halter für Umlenkrad und Puffer	TSG bracket for counter roller and bumper	1
310	01.36.00115	Sechskantschraube Vollgewinde DIN933 vz 8.8 - M8x40	hexagonal bolt, thread up to head DIN933 vz 8.8 - M8x40	1
320	01.36.00169	Federring DIN127 vz - M8	lock washer DIN127 vz - M8	1
330	01.36.00450	Kotflügelscheibe DIN522 vz - 8,4x20x1,25	wing repair washer DIN522 vz - 8,4x20x1,25	1
340	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	1
350	01.36.00177	Sechskantschraube ISO 4017 - M8 x 100 - 8.8, vz	hexagonal bolt, thread up to head DIN933 vz 8.8 - M8x100	1
360	01.36.00430	Sechskantmutter ISO 4032 - M8 - 8,vz	hexagon nut DIN934-8 vz 8.8 - M8	1
370	01.36.00121	Sechskantdistanzmuffe vz 8.8 - M8x40	hexagonal spacer sleeve vz 8.8 - M8x40	1
410	01.20.60003	Tüte Umlenkrad	TSG counter roller	1
420	01.20.91120	Gummi Metall Puffer 30x15, M8x20 Gewindebolzen	rubber-metal bump stop D30x15, threaded stud M8x20, 75 Shore	1

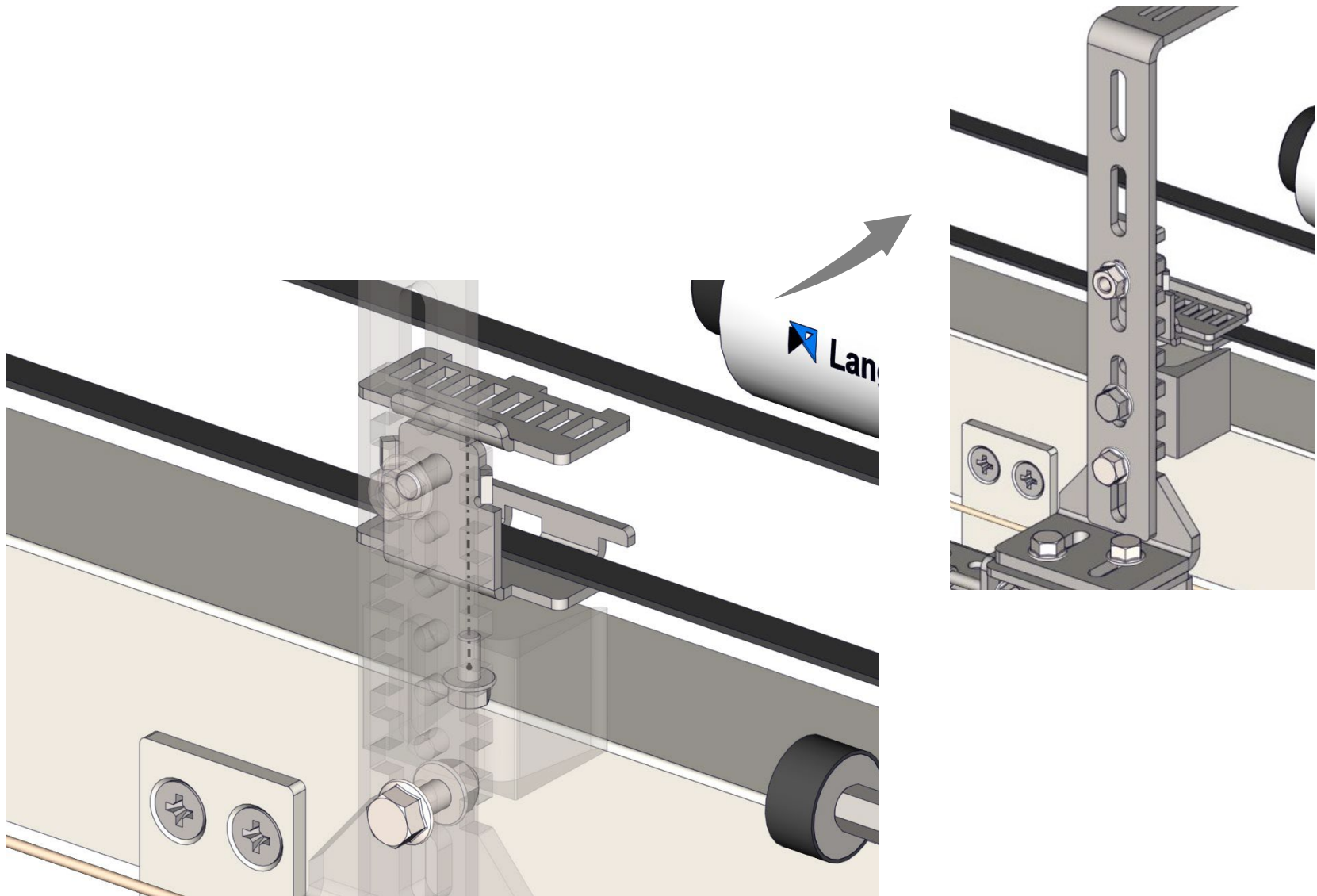


Pos.	Number	Description DE	Description EN	Menge
210	01.20.92110	Adapterplatte Otis 9550	adapter plate Otis 9550	1
310	01.36.00725	Sperrzahnschraube DIN 6921 M8x25, 8.8, vz	hexagon head serrated screw DIN 6921 M8x25, 8.8, vz	4
320	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	4

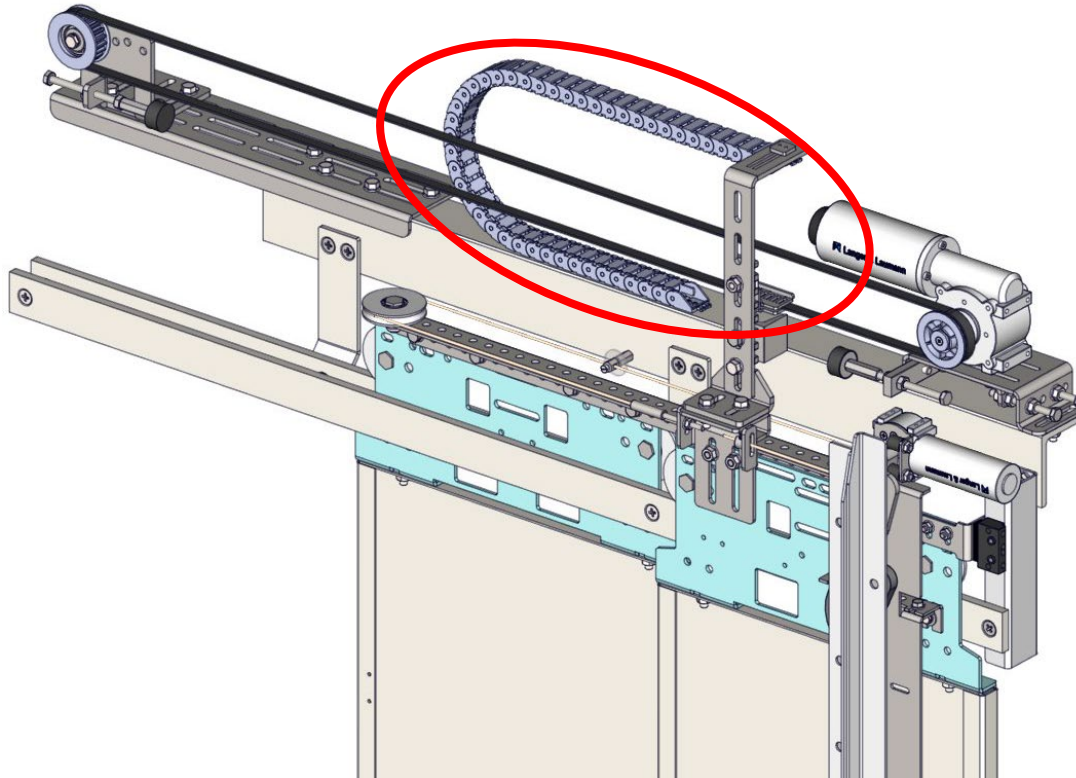


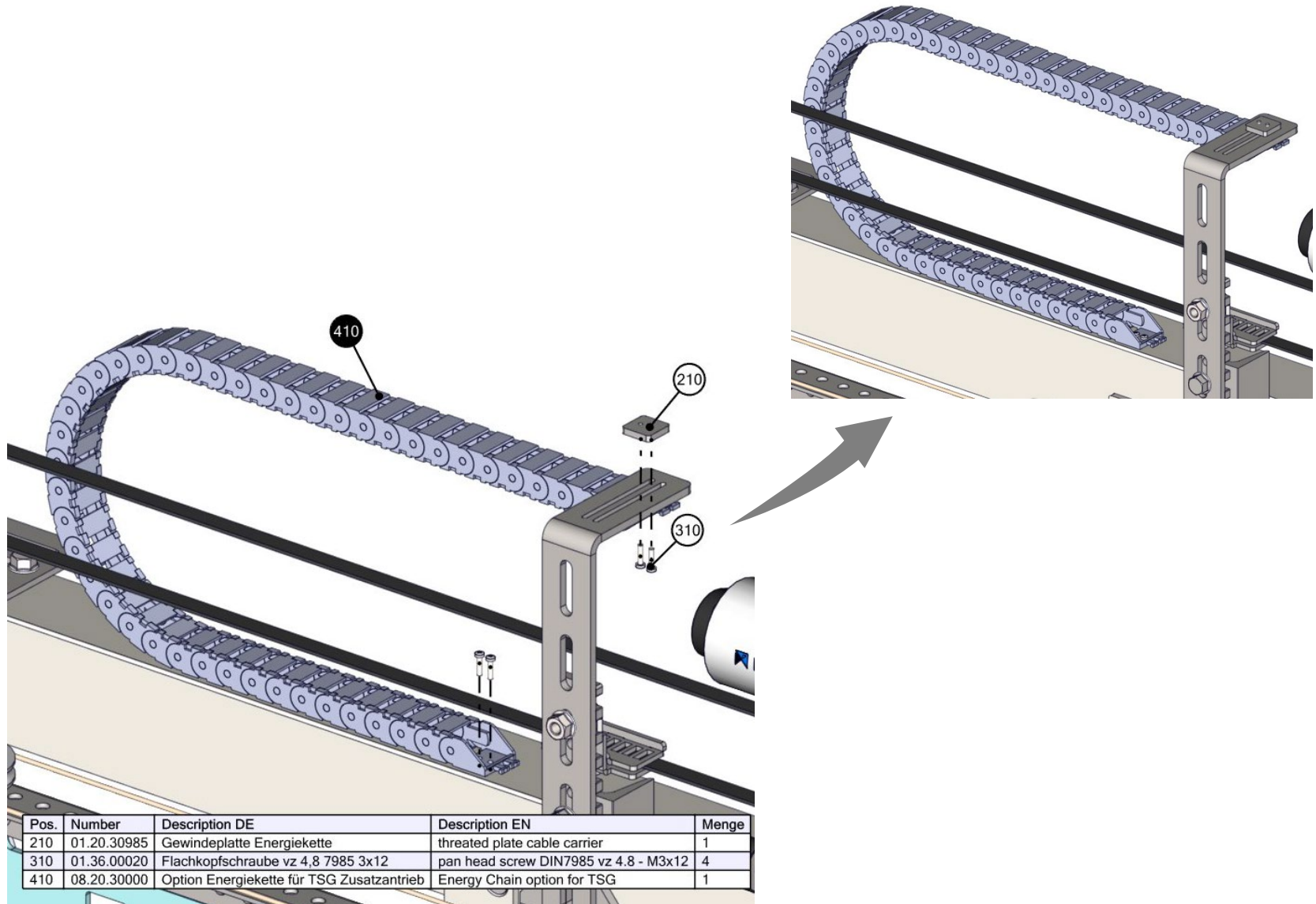
Montage Zahnriemen – assembly of toothed belt



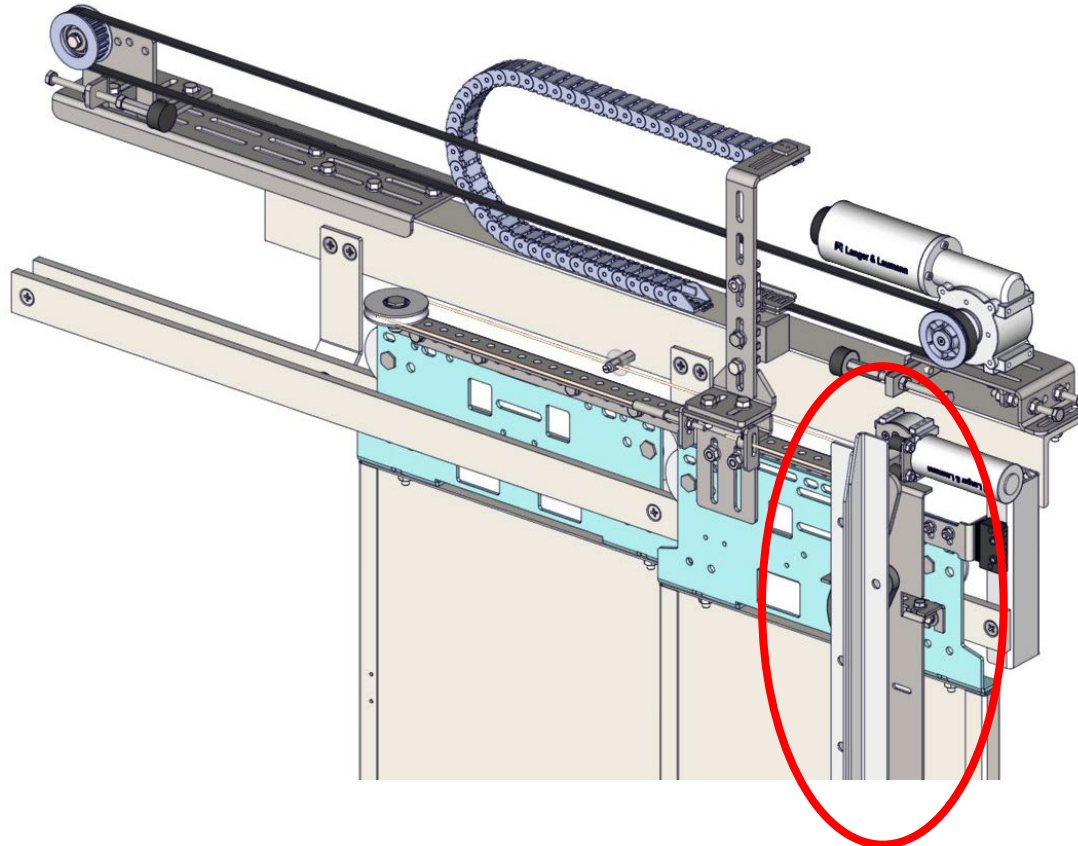


Montage Option Energiekette – assembly of energie chain option

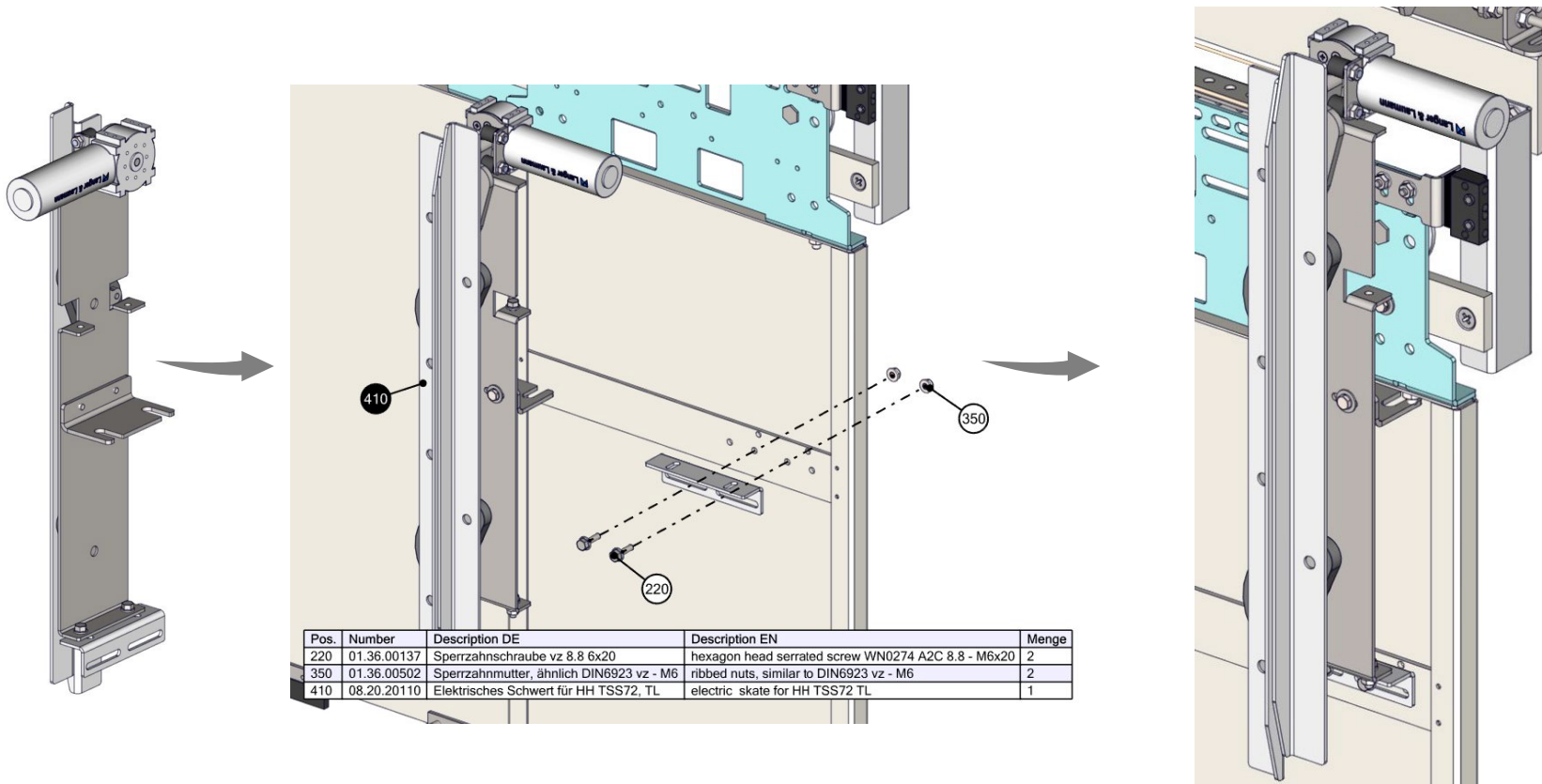




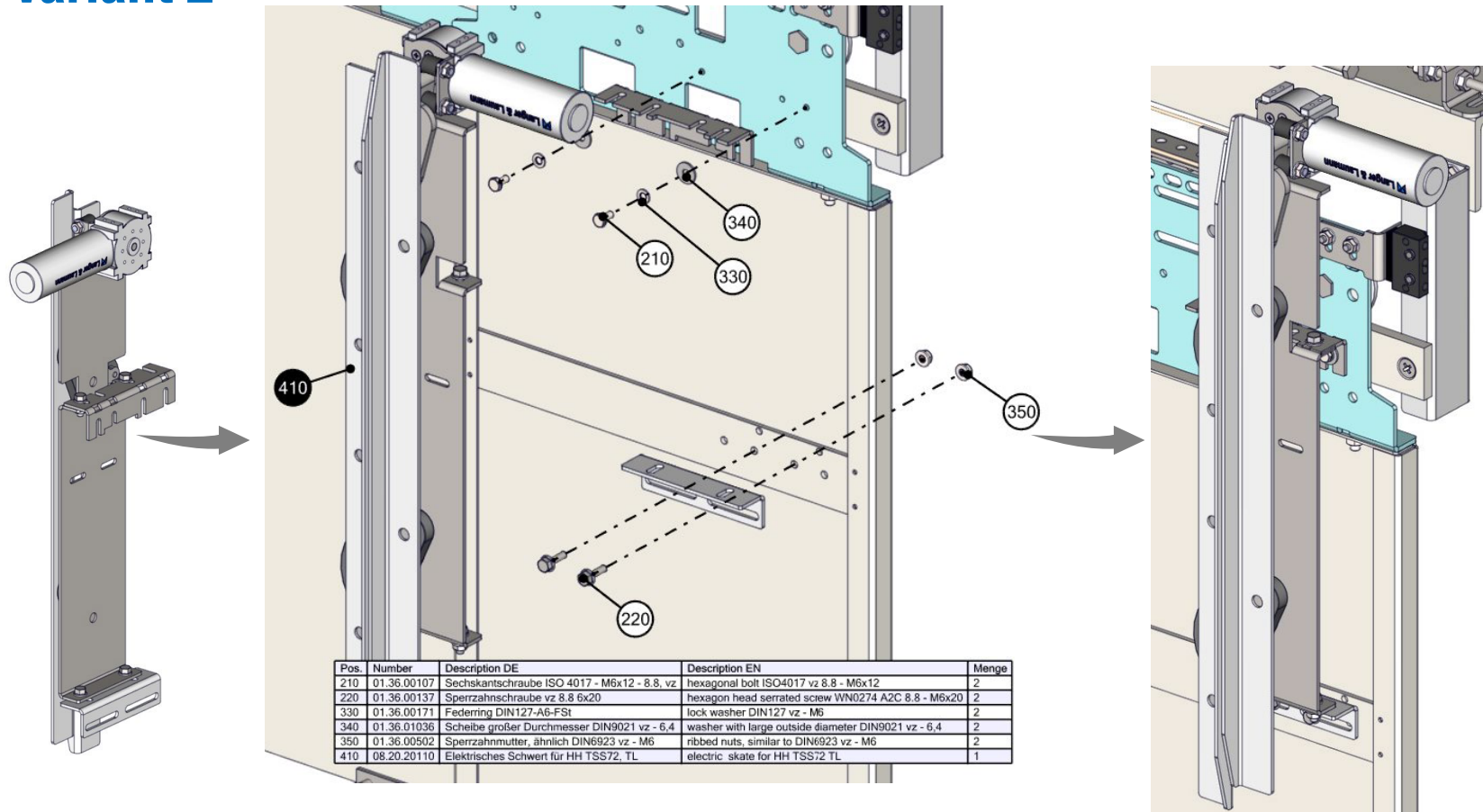
Montage elektrisches Schwert in zwei Varianten – assembly of e-skate in two variants



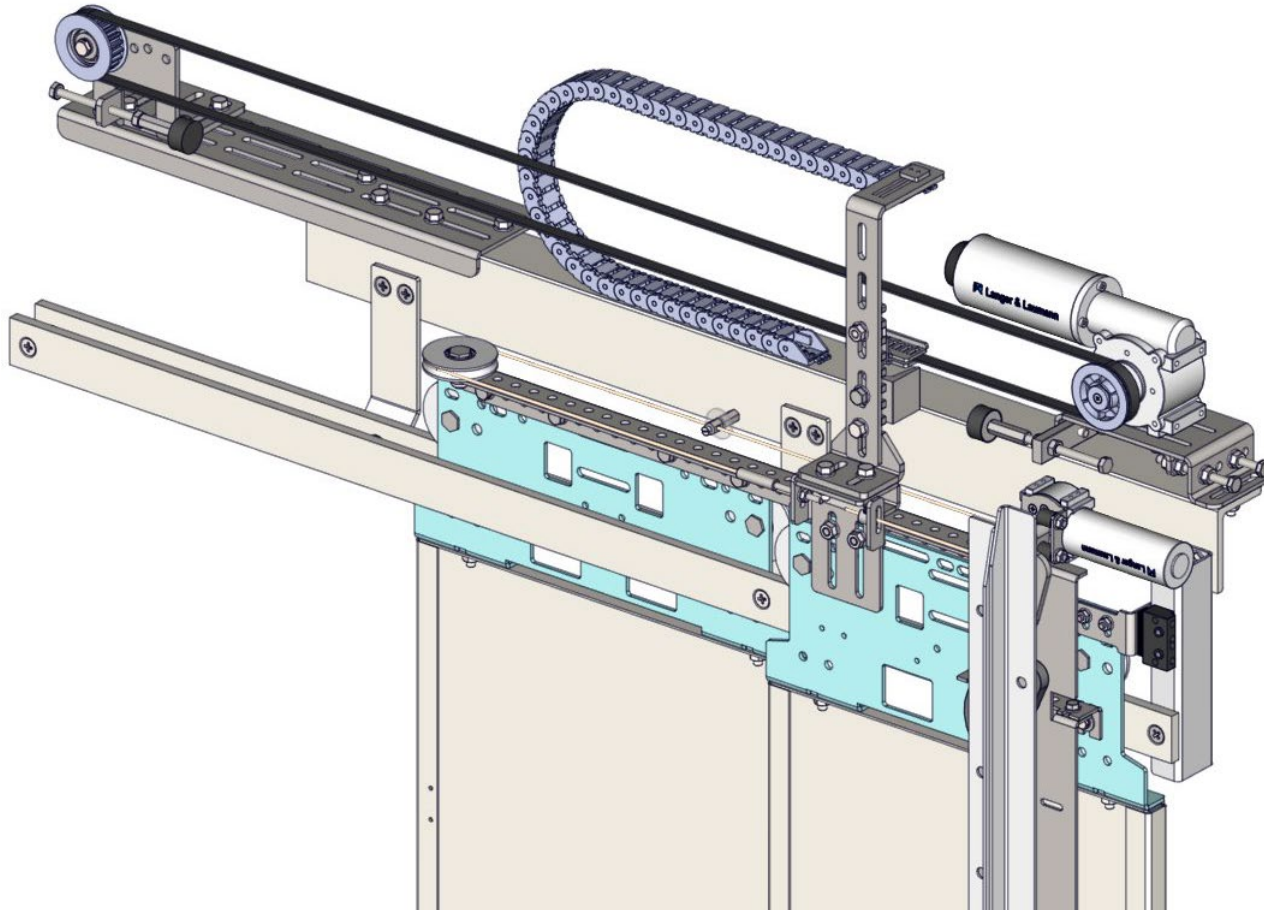
Variante 1 – variant 1

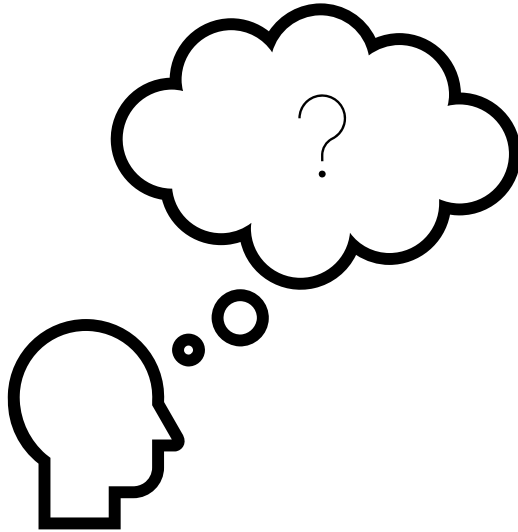


Variante 2 – variant 2



TL





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