

Montageanleitung **Assembly Instruction**

TSG in Lynge & Jensen **TSG in Lynge & Jensen**

Montage des TSG Sinusantrieb bei mechanischem Schwert S. 26 - 30 –
assembly of the TSG Sinus Drive for the mechanic skate p. 26 - 30

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-	1
	8.20.4000x.X1	Motor Gross Rechts/Links & Getriebe, mit Zahnrad, 24V/1:15	motor large right/left & gearbox, with wheel, 24V/1:15	1
	8.20.10010	TSG Beschlagsatz für Umbau, im Karton	TSG brackets for conversion, in carton	1
	8.20.11010	TSG Türflügelmitnehmer rechtwinkelig	TSG door panel coupler, right angled	1
	1.20.60004	TSG Türflügelmitnehmer	TSG door panel coupler	1
	1.20.60046	Futterblech für Türflügelmitnehmer	distance sheet metal for door coupler	2
	1.20.92090	Montagewinkel für Kombiwinkel 'Hut' schmal, rechtwinkelig	mounting bracket for combi bracket 'hat', rectangular	2
	1.20.60060	TSG Kombiwinkel, Ausführung 'Hut', für TSG Motor oder Umlenkrad	TSG universal bracket, version 'hat', for TSG motor or counter roller	2

picture	Number	description DE	description EN	quantity
	8.20.60002.40	TSG Zahnriemen [4,0m]	TSG toothed belt [4,0m]	1
	8.20.13310	Schraubentüte M8x20	screw bag M8x20	1
	8.20.13110	Schraubentüte M8x25	screw bag M8x25	1
	1.36.00730	Sperrzahnschraube WN0274 A2C 8.8 - M8x30	hexagon head serrated screw WN0274 A2C 8.8 - M8x30	2

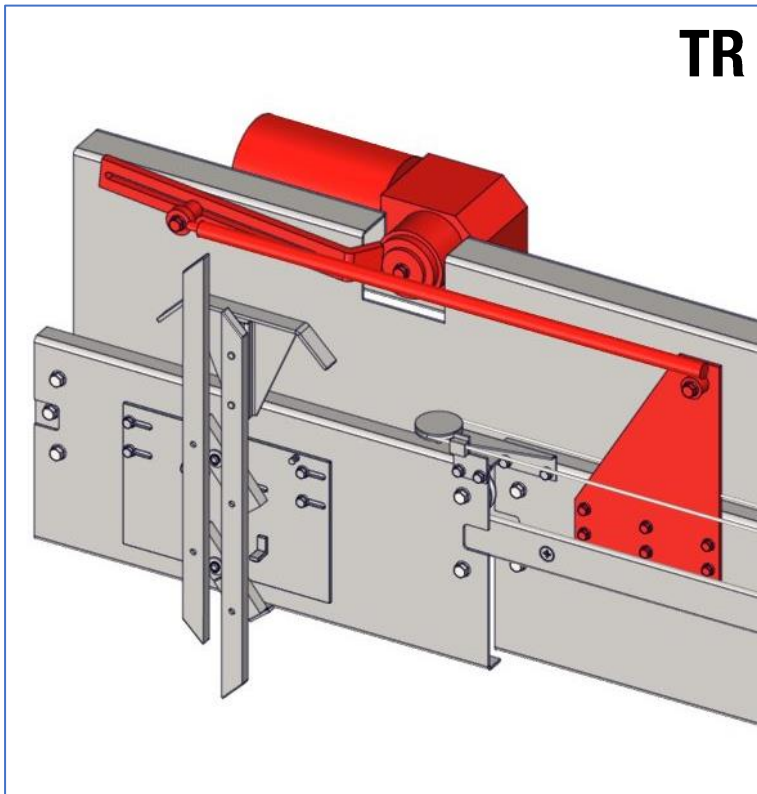
Lieferumfang TSG Sinusantrieb – scope of supply TSG Sinus Drive



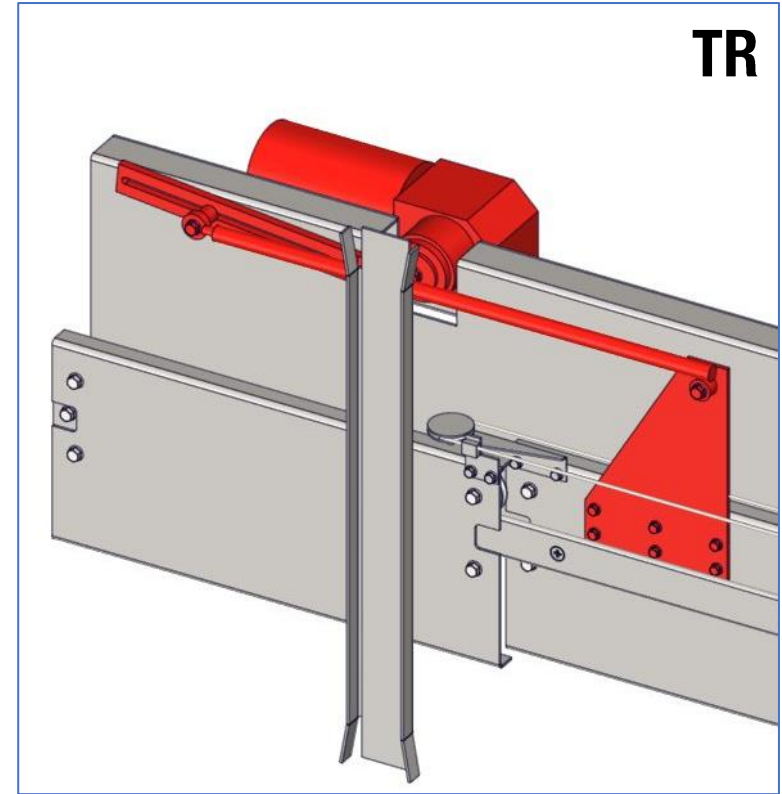
picture	Number	description DE	description EN	quantity
	8.20.83111	TSG Sinusantrieb links für Riegelbetätigung	TSG Sinus Drive left for interlock operation	1
	8.20.82113	TSG Anbauteile für TSG Sinusantrieb	TSG brackets for TSG Sinus Drive	1
	1.36.00720	Sperrzahnschraube WN0274 A2C 8.8 - M8x20	hexagon head serrated screw WN0274 A2C 8.8 - M8x20	1
	1.36.00501	Sperrzahnmutter, ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	1

Vor Umbau entfernen – remove before conversion

mit Schwert –
with skate



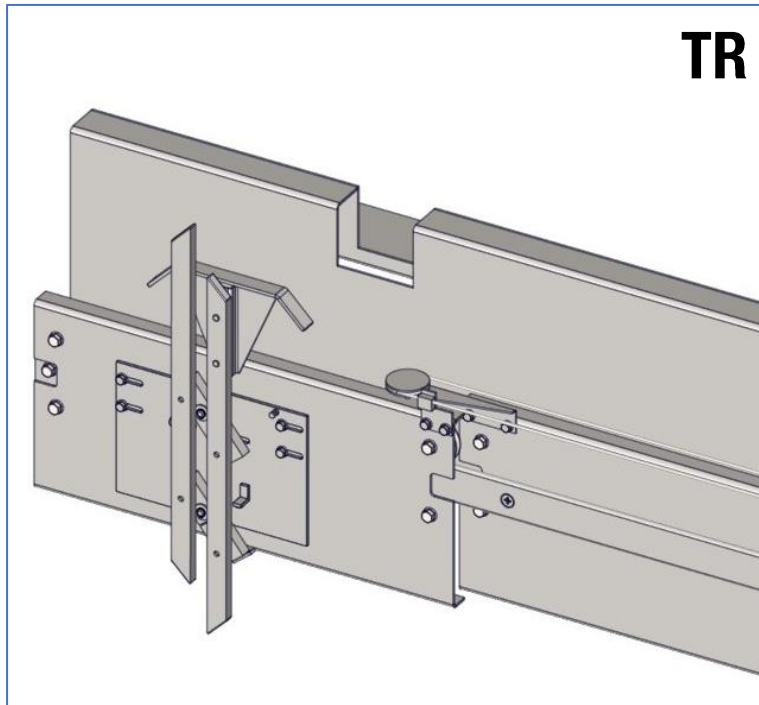
mit starrem Schwert –
with fix skate



TL spiegelbildlich –
TL mirrored

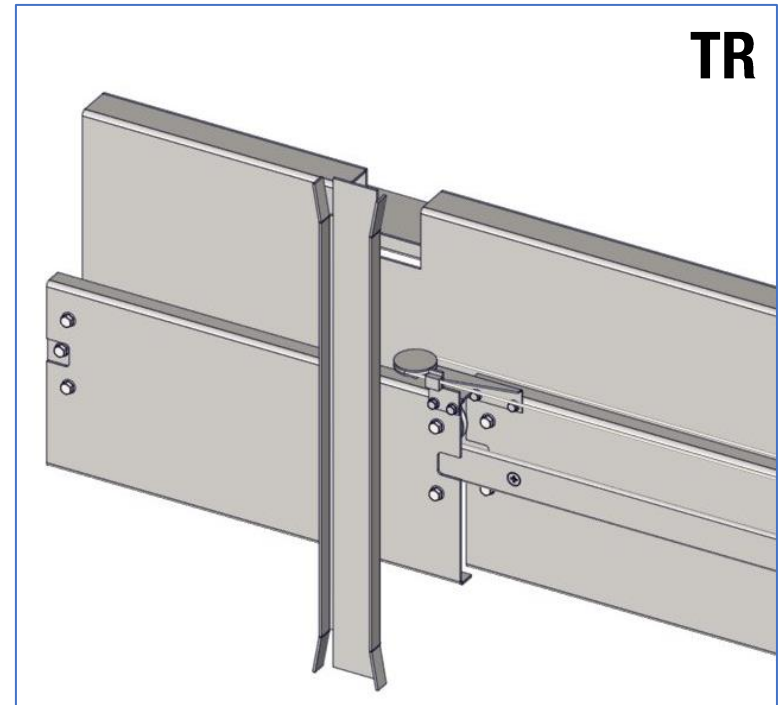
Nach Demontage – after disassembly

mit Schwert –
with skate



TL spiegelbildlich –
TL mirrored

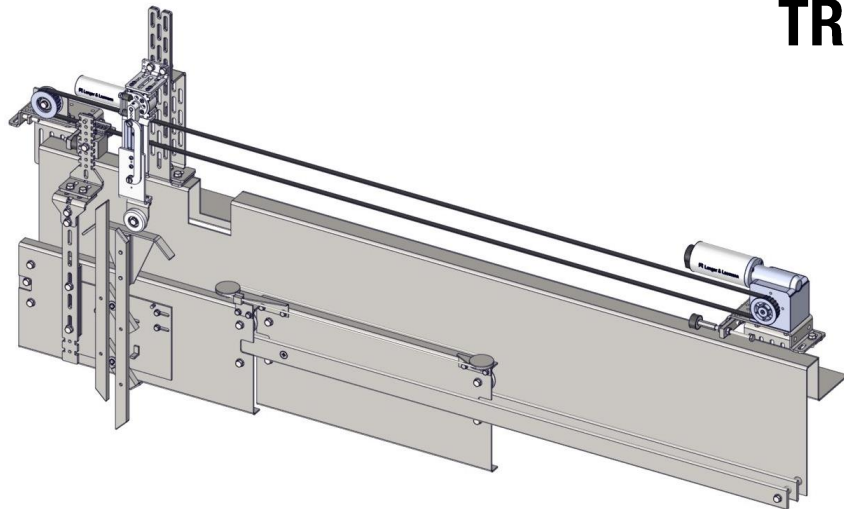
mit starrem Schwert –
with fix skate



TL spiegelbildlich –
TL mirrored

TSG in Lyng & Jensen – TSG in Lyng & Jensen

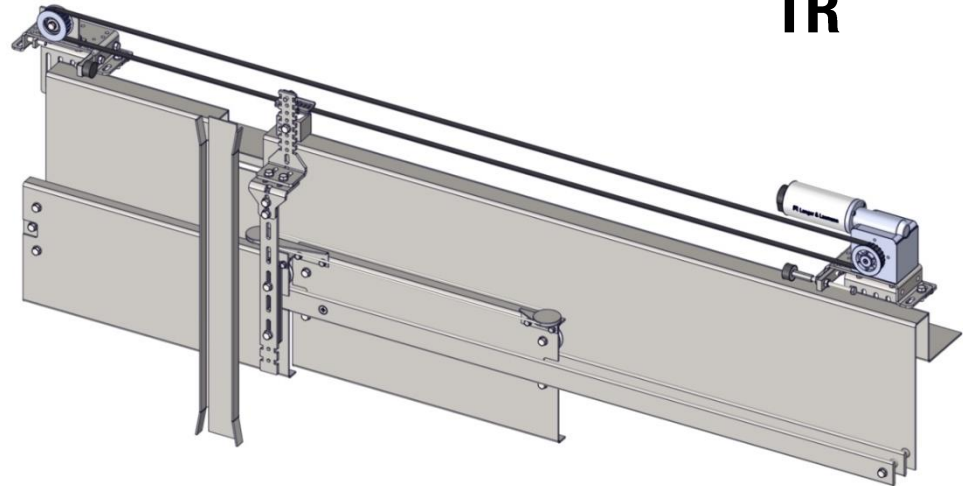
mit Schwert –
with skate



TR

TL spiegelbildlich –
TL mirrored

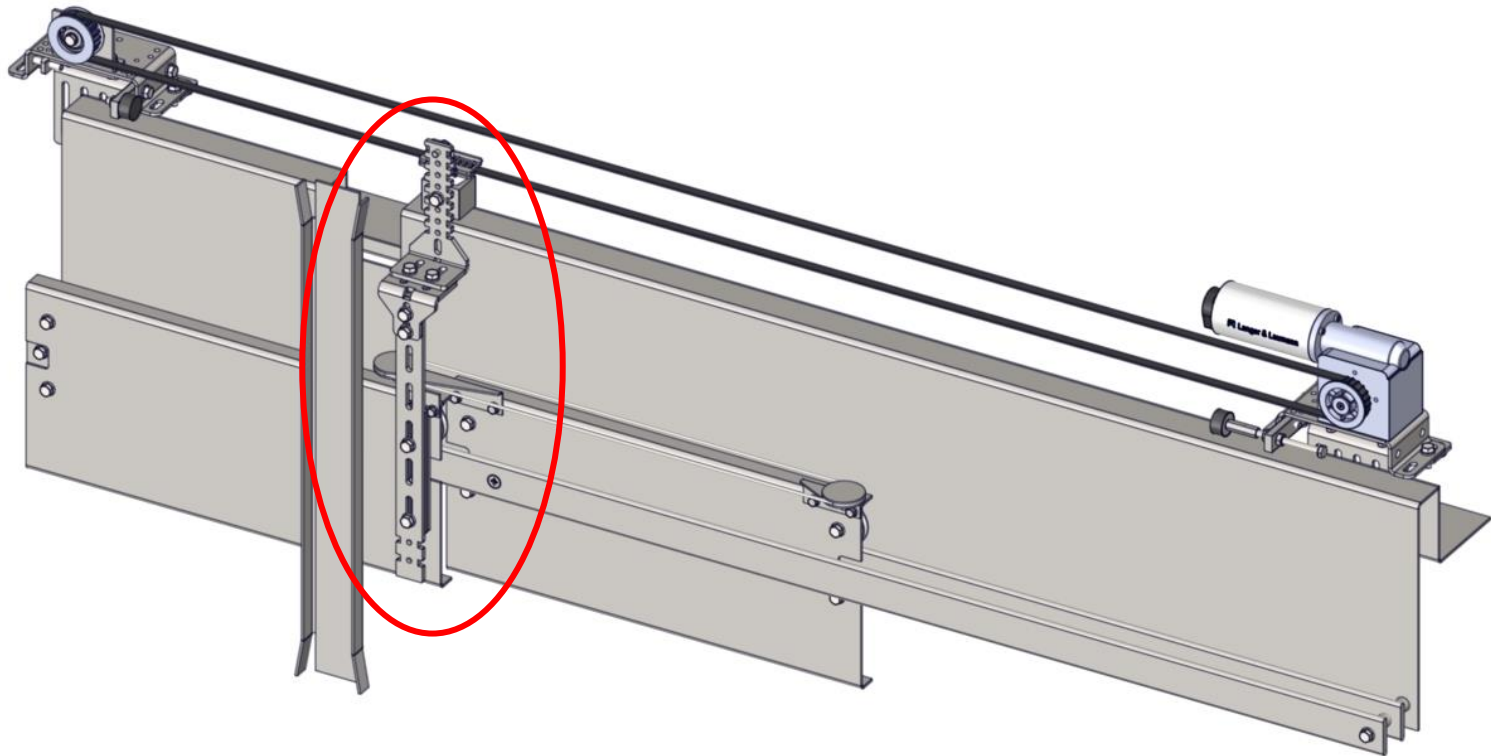
mit starrem Schwert –
with fix skate

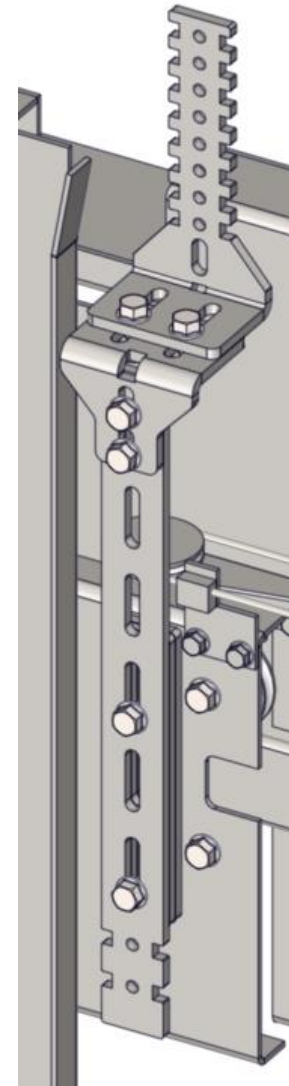
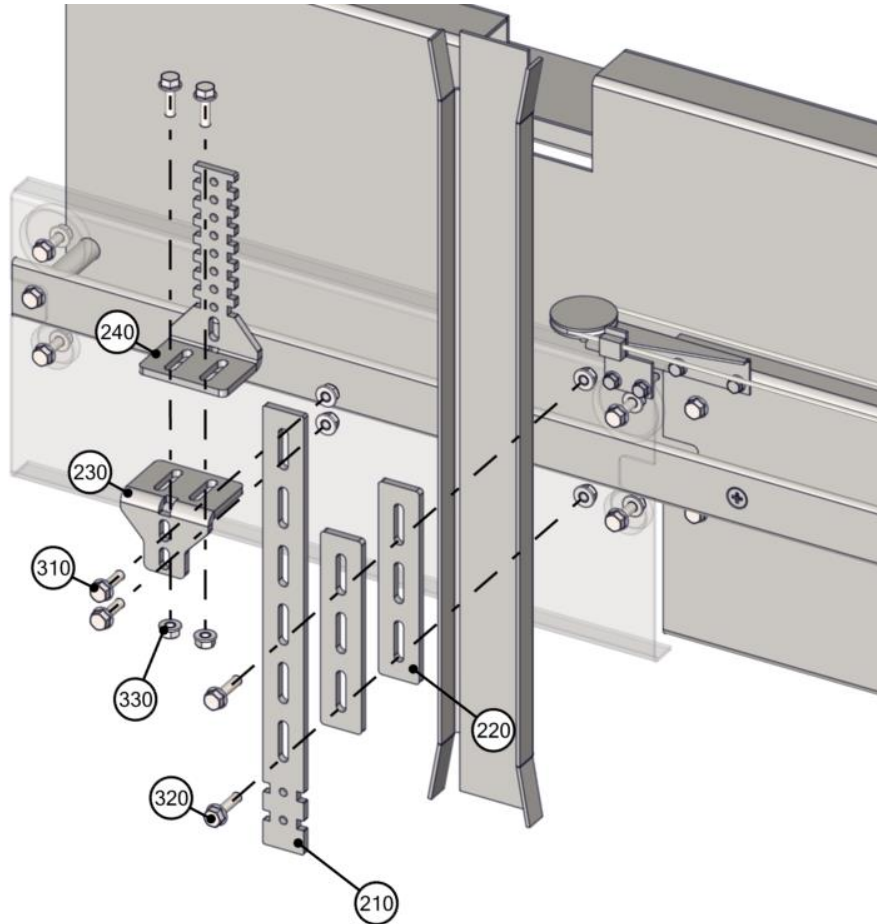
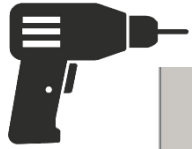


TR

TL spiegelbildlich –
TL mirrored

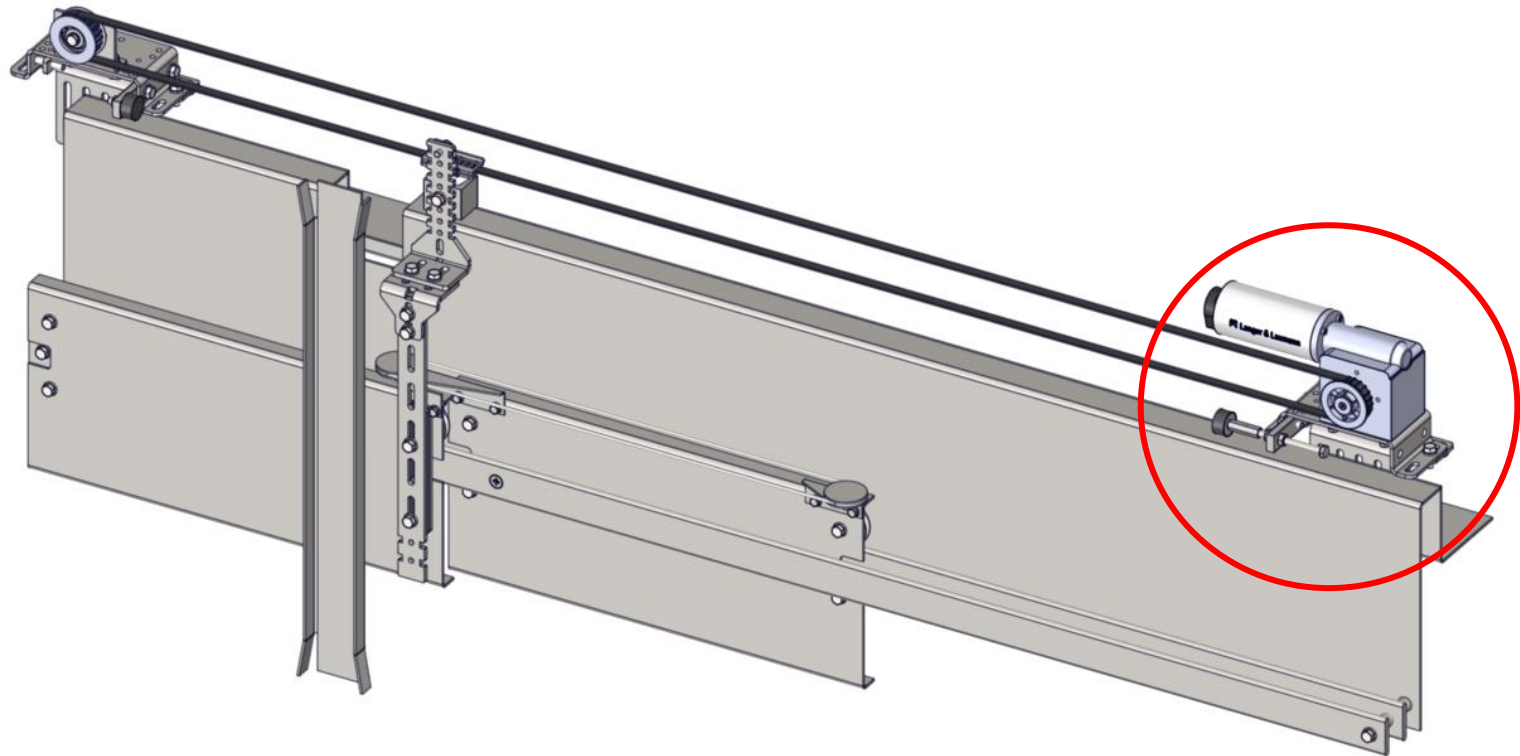
Montage Türflügelmitnehmer – assembly of the door panel coupler

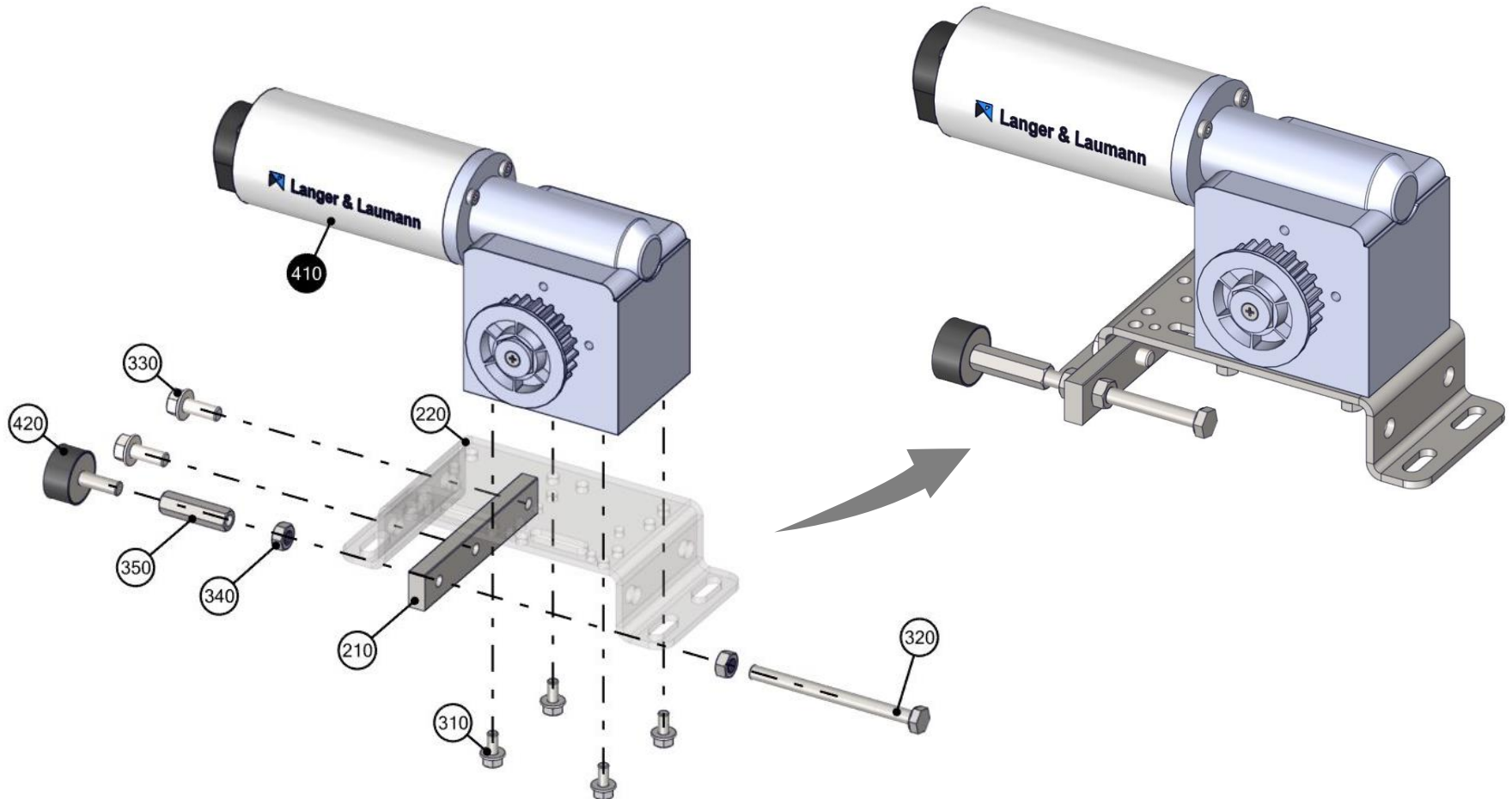




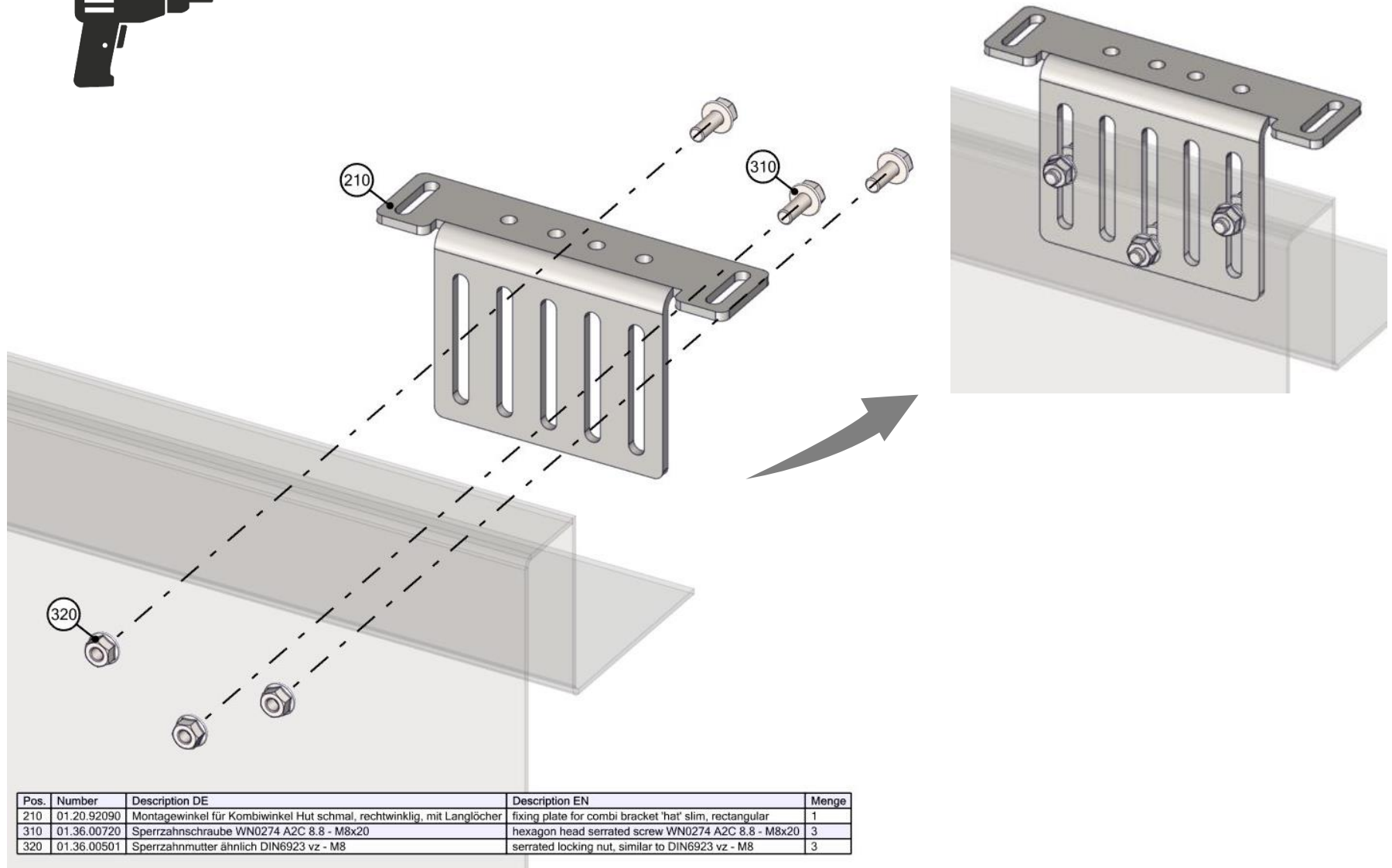
Pos.	Number	Description DE	Description EN	Menge
210	01.20.60004	Türflügelmitnehmer 375x35x6	TSG door panel coupler 375x35x6	1
220	01.20.60046	Futterblech für Türflügelmitnehmer	distance sheet metal for door coupler	2
230	01.20.60075	rechtwinkliges Verbindungsblech TSG Mitnehmer, mit Langlöcher	right-angled connecting plate TSG driver	1
240	01.20.92020	Türflügelmitnehmer, rechtwinklig mit Langlöcher	TSG door panel coupler, rectangular, with oblong holes	1
310	01.36.00725	Sperrzahnschraube DIN 6921 M8x25, 8.8, vz	hexagon head serrated screw DIN 6921 M8x25, 8.8, vz	4
320	01.36.00730	Sperrzahnschraube WN0274 A2C 8.8 - M8x30	hexagon head serrated screw WN0274 A2C 8.8 - M8x30	2
330	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	6

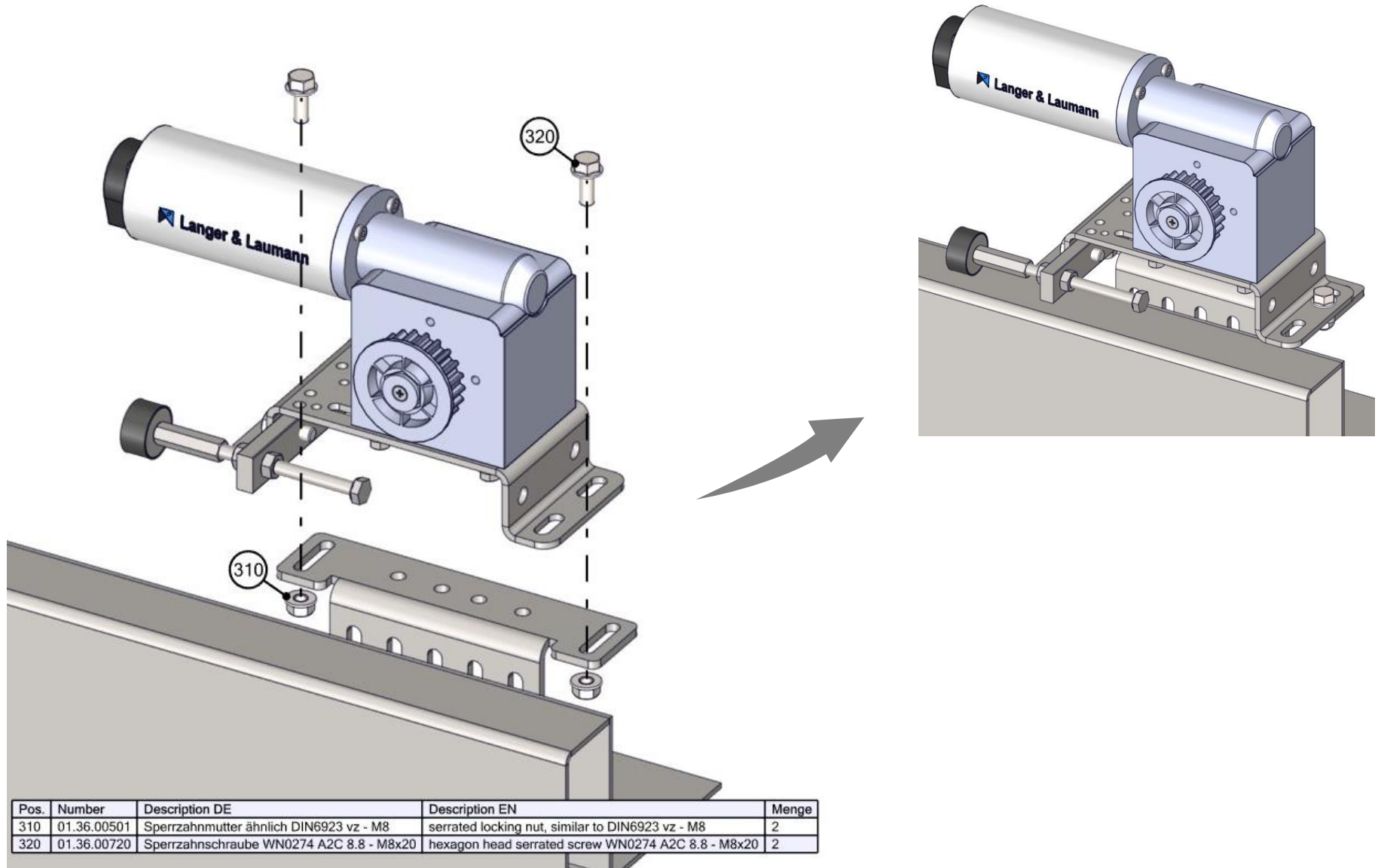
Montage Motor – assembly of the motor



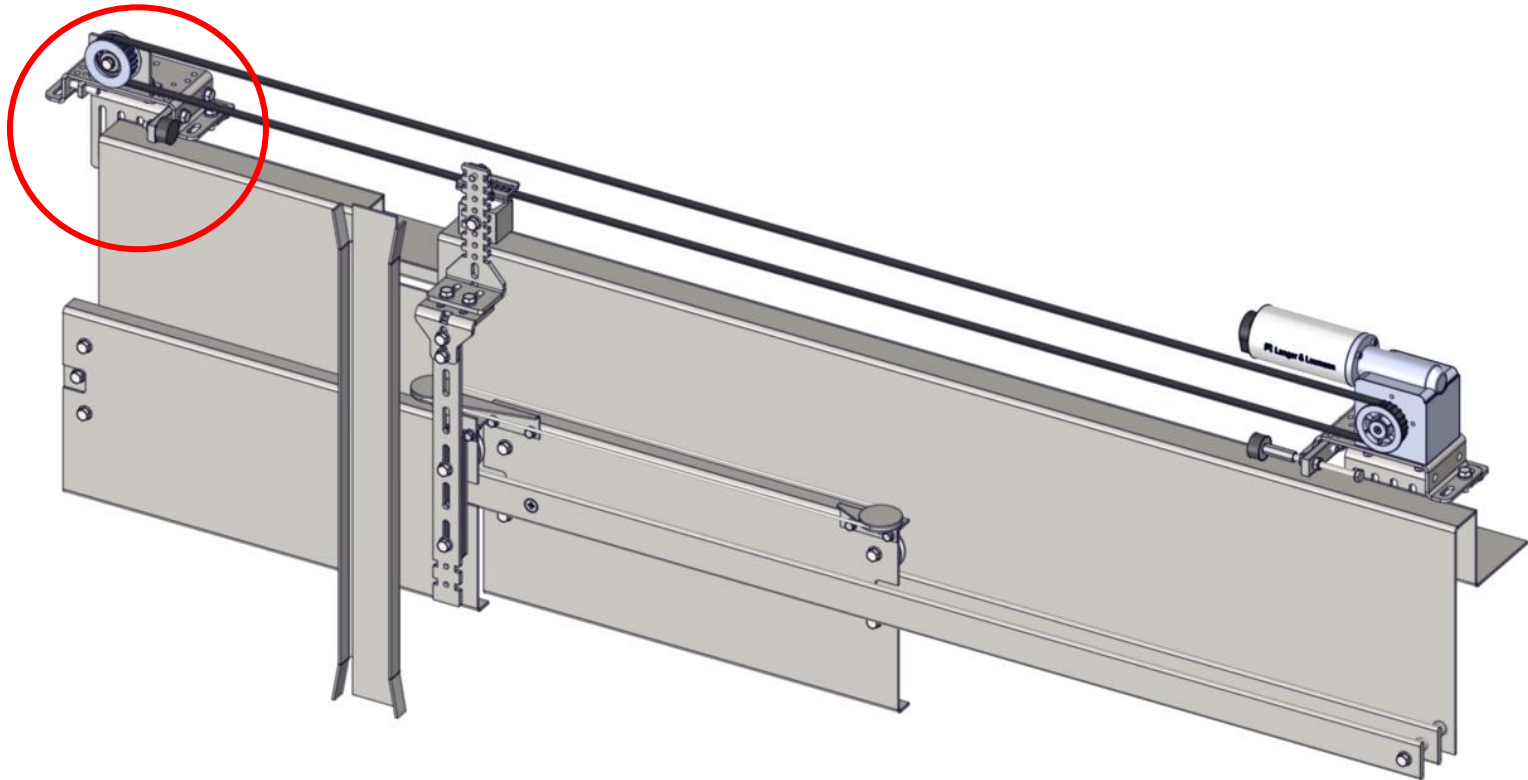


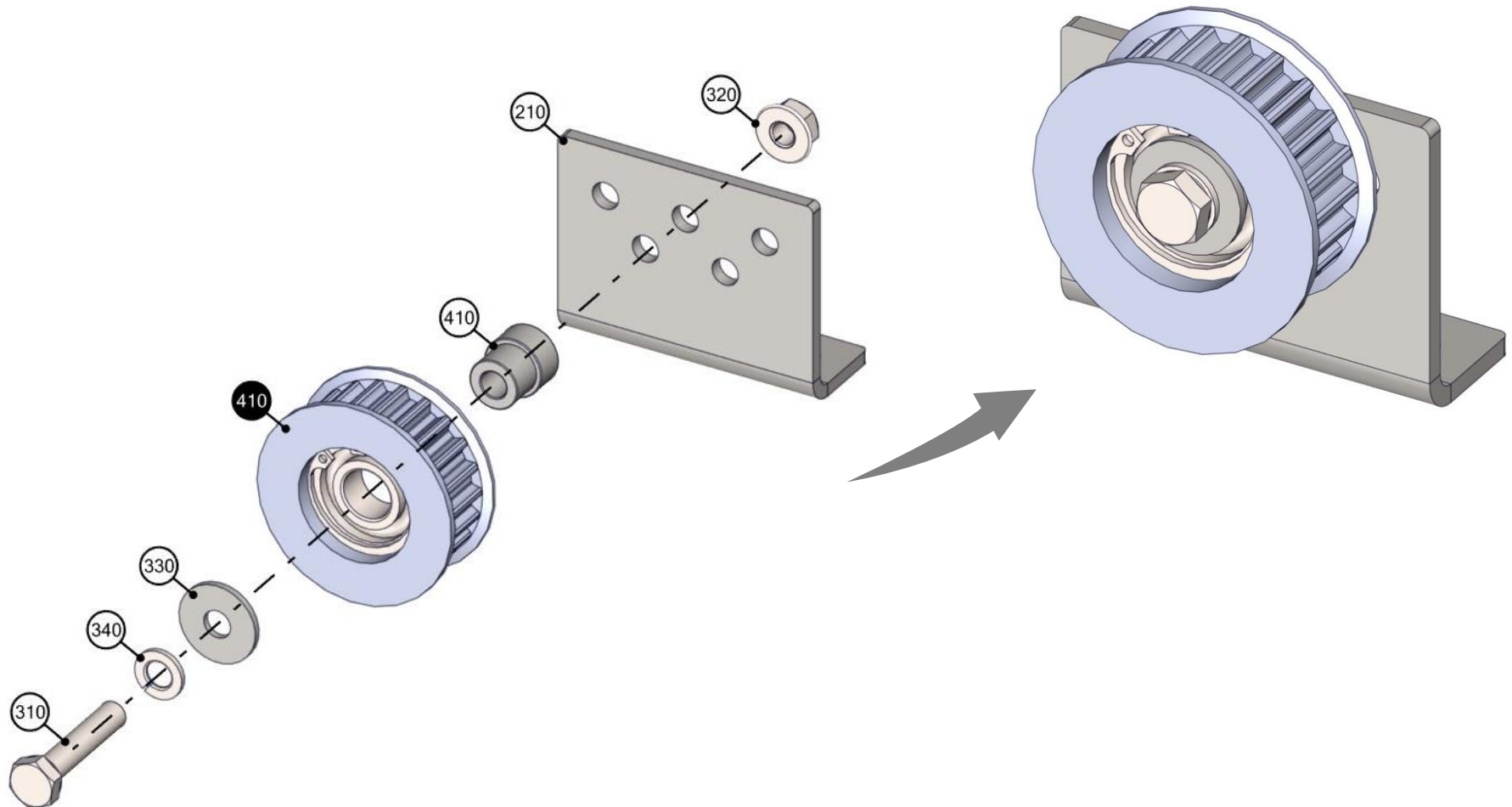
Pos.	Number	Description DE	Description EN	Menge
210	01.20.60037	Halterung Puffer Standardversion	bracket buffer, standard version	1
220	01.20.60060	TSG Kombiwinkel, Ausführung "Hut", für TSG Motor oder Umlenkrad	TSG universal bracket, version "hat"	1
310	01.36.00135	Sperrzahnschraube DIN 6921 M6x12 verz.	hexagon head serrated screw WN0274 A2C 8.8 - M6x12	4
320	01.36.00177	Sechskantschraube ISO 4017 - M8 x 100 - 8.8, vz	hexagonal bolt, thread up to head DIN933 vz 8.8 - M8x100	1
330	01.36.00720	Sperrzahnschraube WN0274 A2C 8.8 - M8x20	hexagon head serrated screw WN0274 A2C 8.8 - M8x20	2
340	01.36.00430	Sechskantmutter ISO 4032 - M8 - 8,vz	hexagon nut DIN934-8 vz 8.8 - M8	2
350	01.36.00121	Sechskantdistanzmuffe vz 8.8 - M8x40	hexagonal spacer sleeve vz 8.8 - M8x40	1
410	08.20.40000.X1	Motor Gross Links & Getriebe, 24V/4,9A/1:15	motor large left & gearbox, 24V/4.9A/1:15	1
420	01.20.91120	Gummi Metall Puffer 30x15, M8x20 Gewindebolzen	rubber-metal bump stop D30x15, threaded stud M8x20, 75 Shore	1



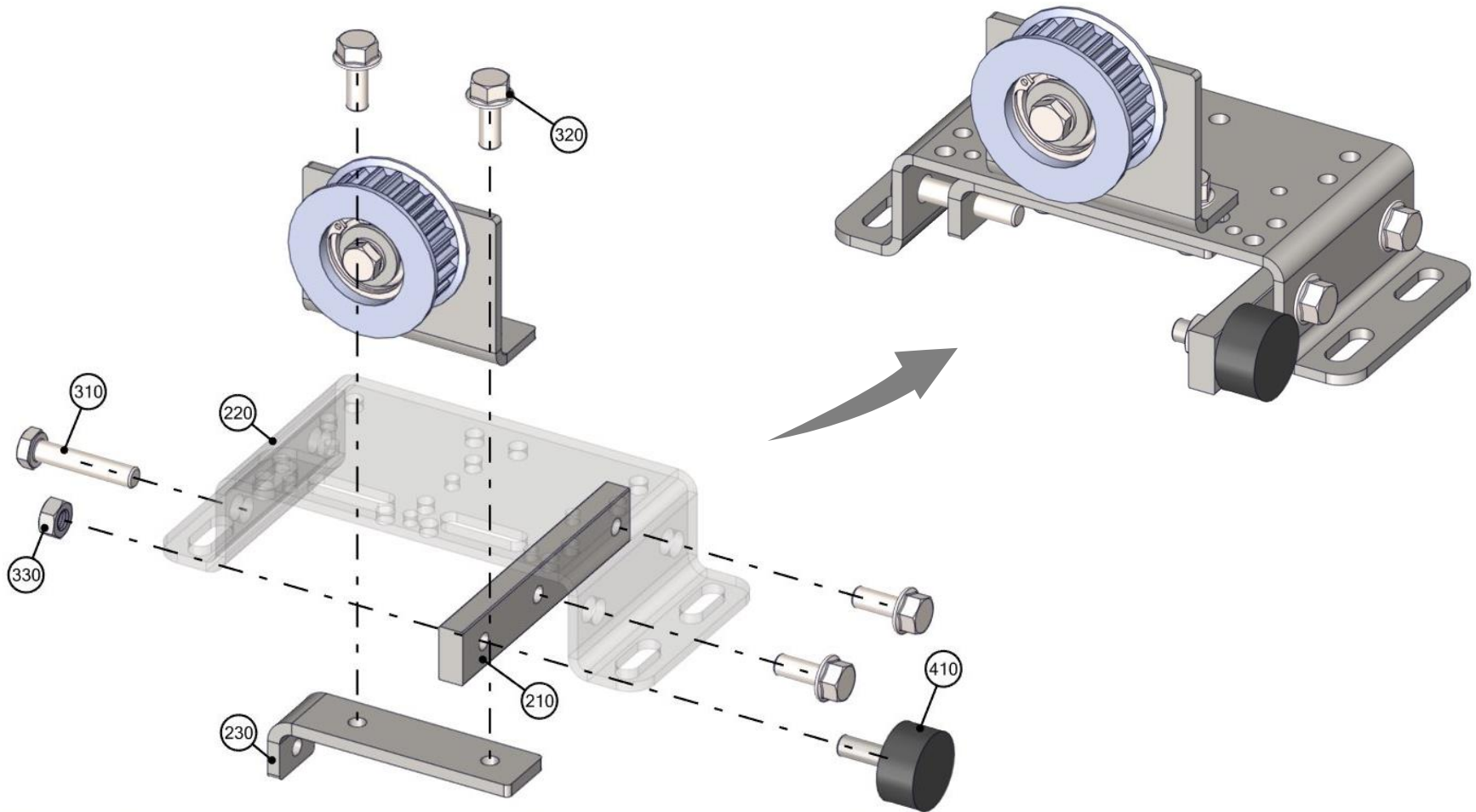


Montage Umlenkrolle – assembly of the counter roller

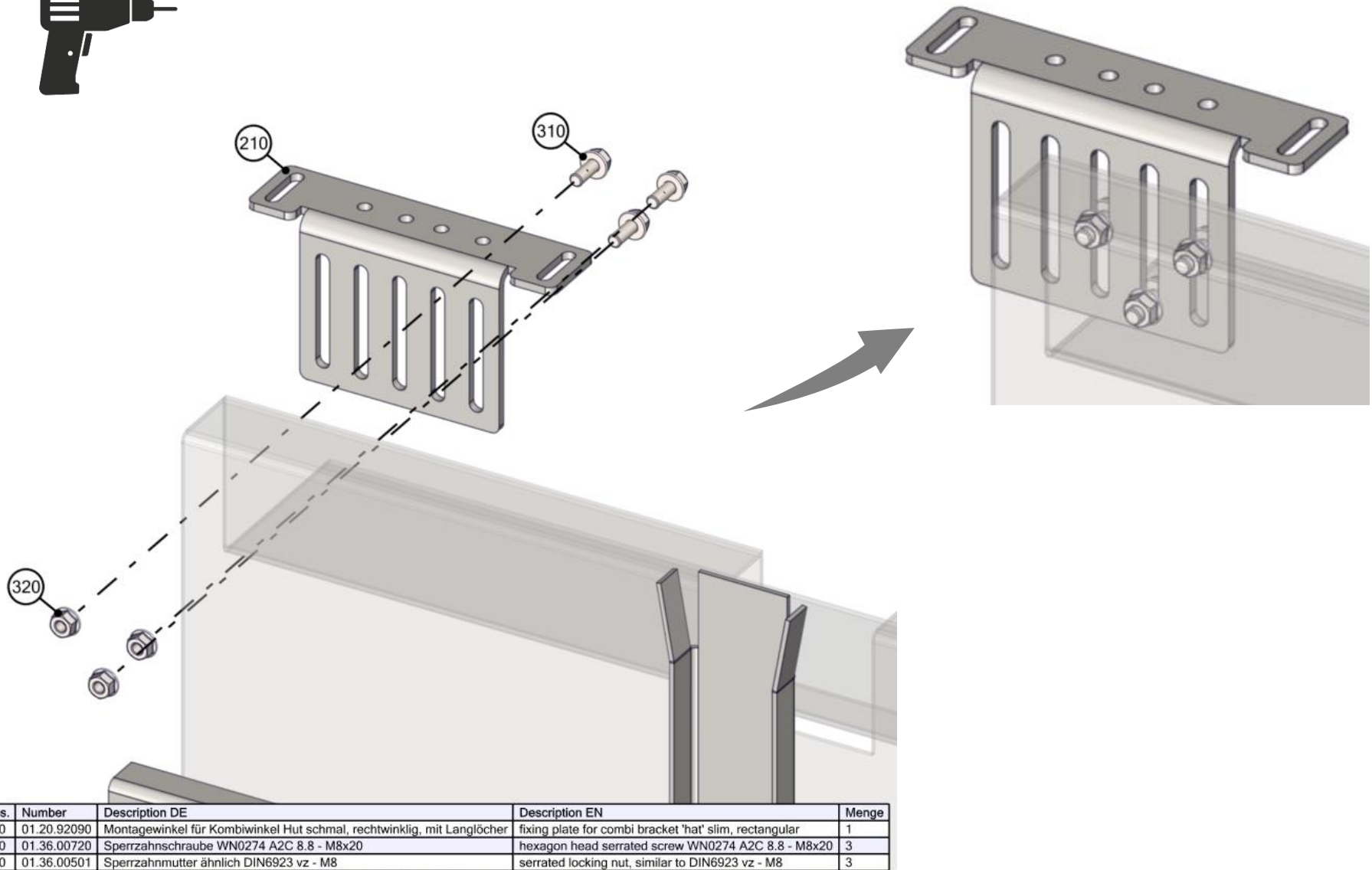


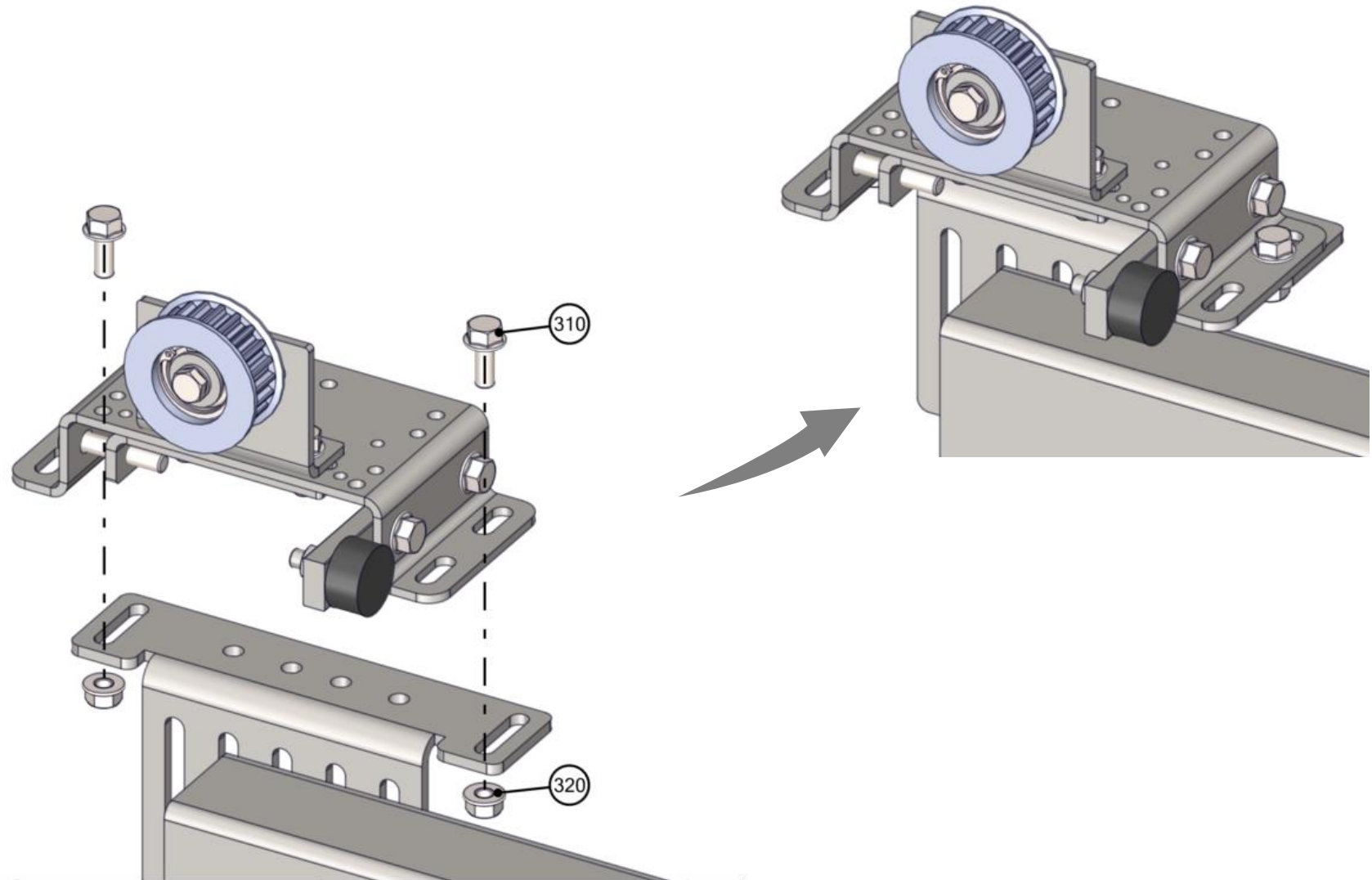


Pos.	Number	Description DE	Description EN	Menge
210	01.20.60013	Halterung Umlenkrolle für Spannstation	TSG bracket for counter roller	1
310	01.36.00115	Sechskantschraube Vollgewinde DIN933 vz 8.8 - M8x40	hexagonal bolt, thread up to head DIN933 vz 8.8 - M8x40	1
320	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	1
330	01.36.00450	Kotflügelscheibe DIN522 vz - 8,4x20x1,25	wing repair washer DIN522 vz - 8,4x20x1,25	1
340	01.36.00169	Federring DIN127 vz - M8	lock washer DIN127 vz - M8	1
410	01.20.60003	TSG Umlenkrad	TSG counter roller	2



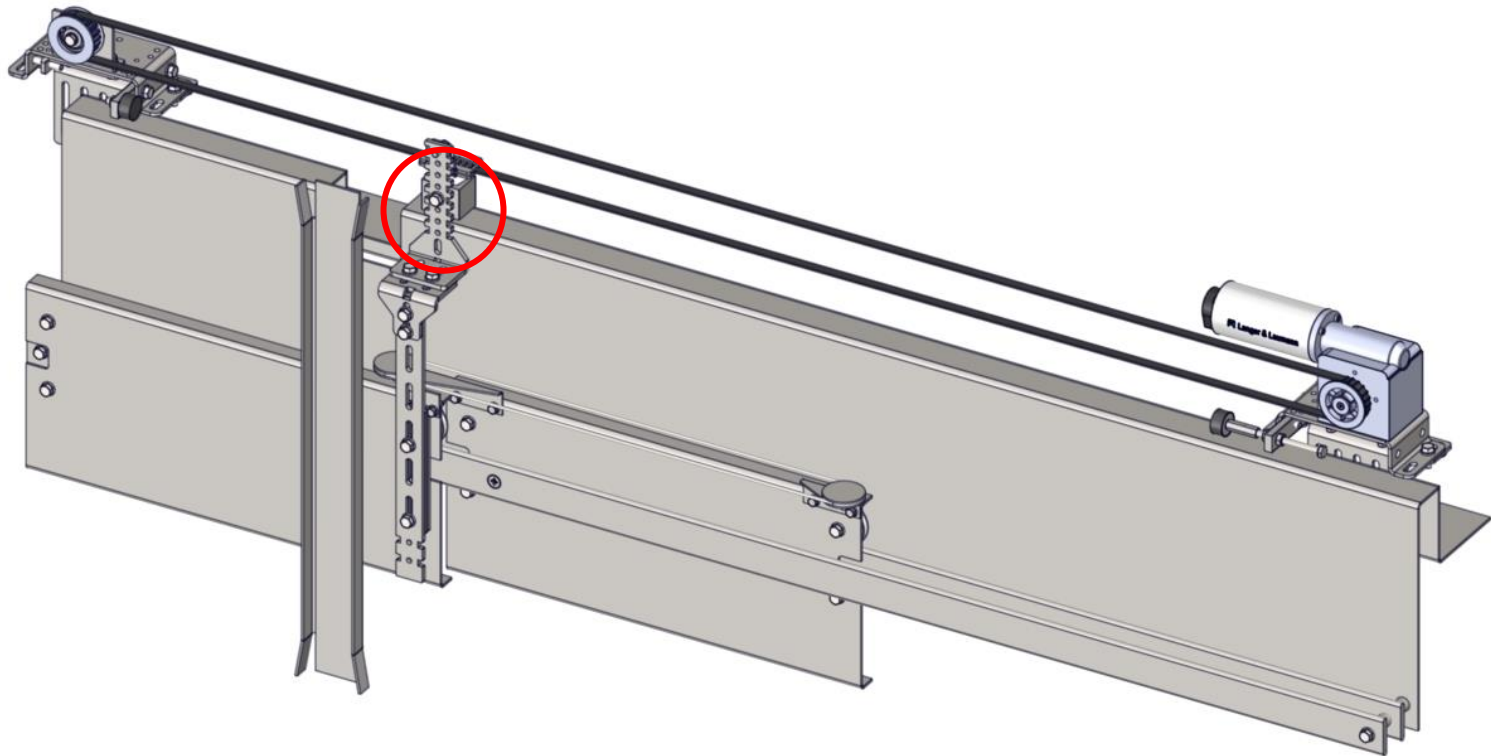
Pos.	Number	Description DE	Description EN	Menge
210	01.20.60037	Halterung Puffer Standardversion	bracket buffer, standard version	1
220	01.20.60060	TSG Kombiwinkel, Ausführung "Hut", für TSG Motor oder Umlenkrad	TSG universal bracket, version "hat"	1
230	01.20.60110	Spannlasche für Spannstation	clamping tab for clamping station, normal execution	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	01.36.00720	Sperrzahnsschraube WN0274 A2C 8.8 - M8x20	hexagon head serrated screw WN0274 A2C 8.8 - M8x20	4
330	01.36.00430	Sechskantmutter ISO 4032 - M8 - 8.vz	hexagon nut DIN934-8 vz 8.8 - M8	1
410	01.20.91120	Gummi Metall Puffer 30x15, M8x20 Gewindebolzen	rubber-metal bump stop D30x15, threaded stud M8x20, 75 Shore	1

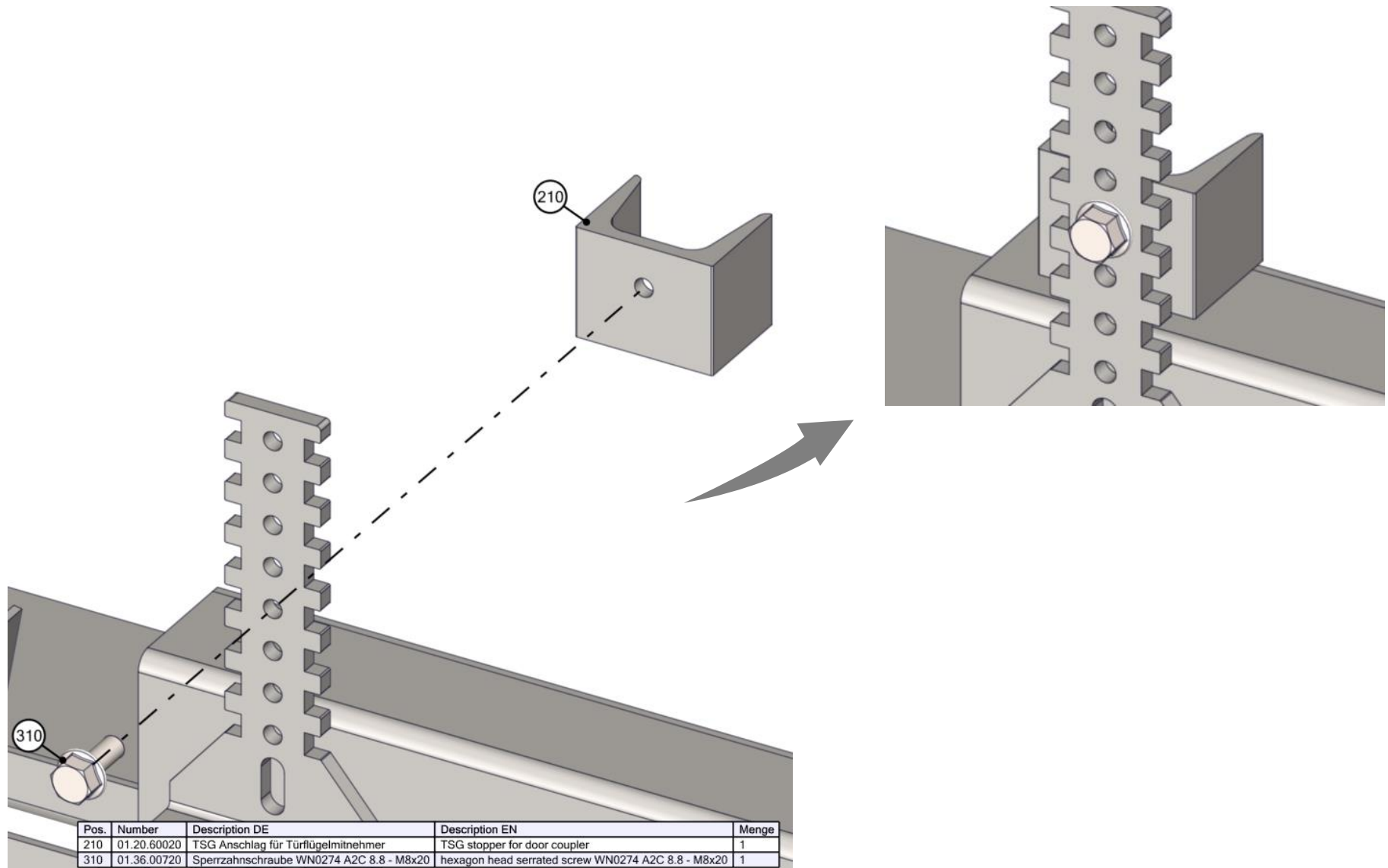




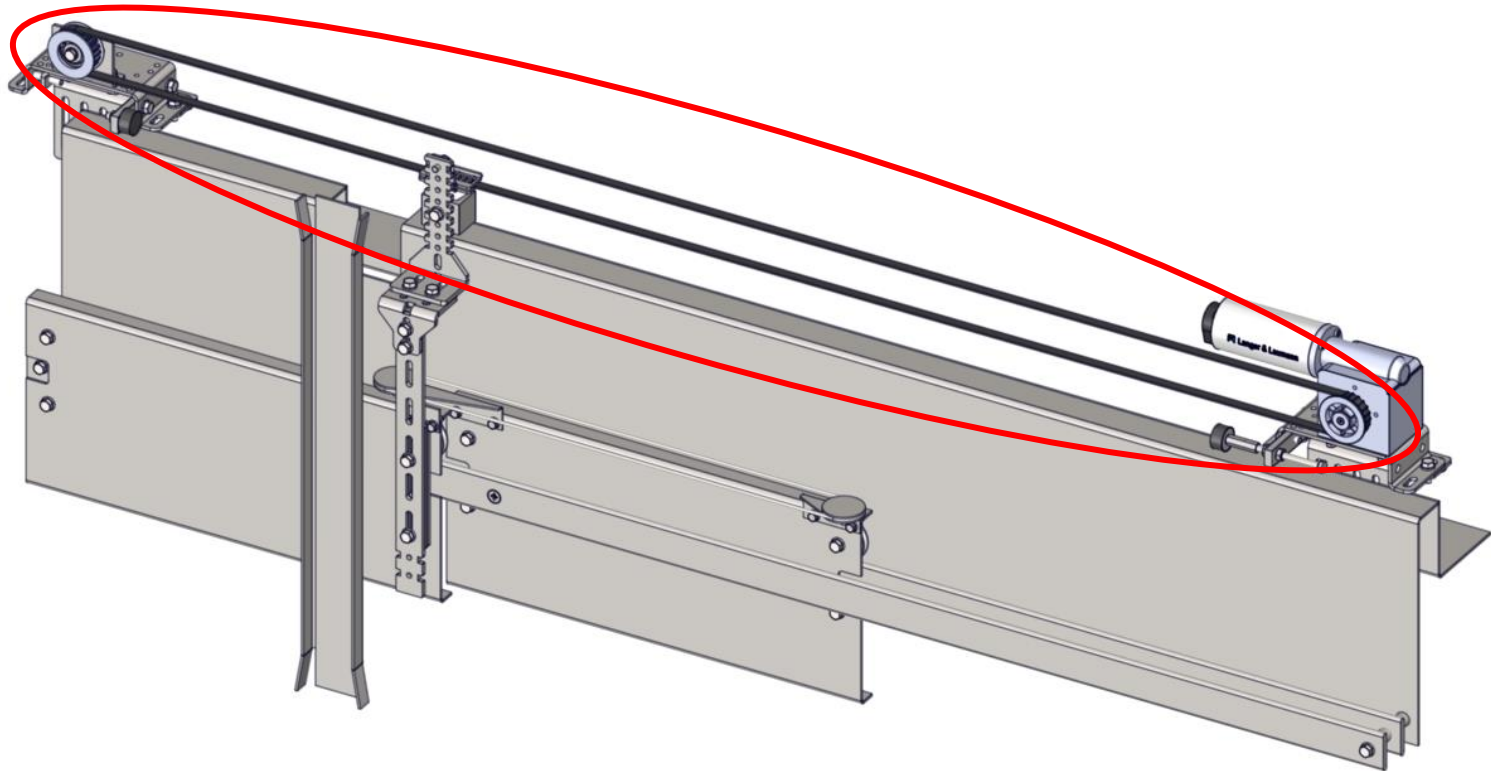
Pos.	Number	Description DE	Description EN	Menge
310	01.36.00720	Sperrzahnschraube WN0274 A2C 8.8 - M8x20	hexagon head serrated screw WN0274 A2C 8.8 - M8x20	2
320	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	2

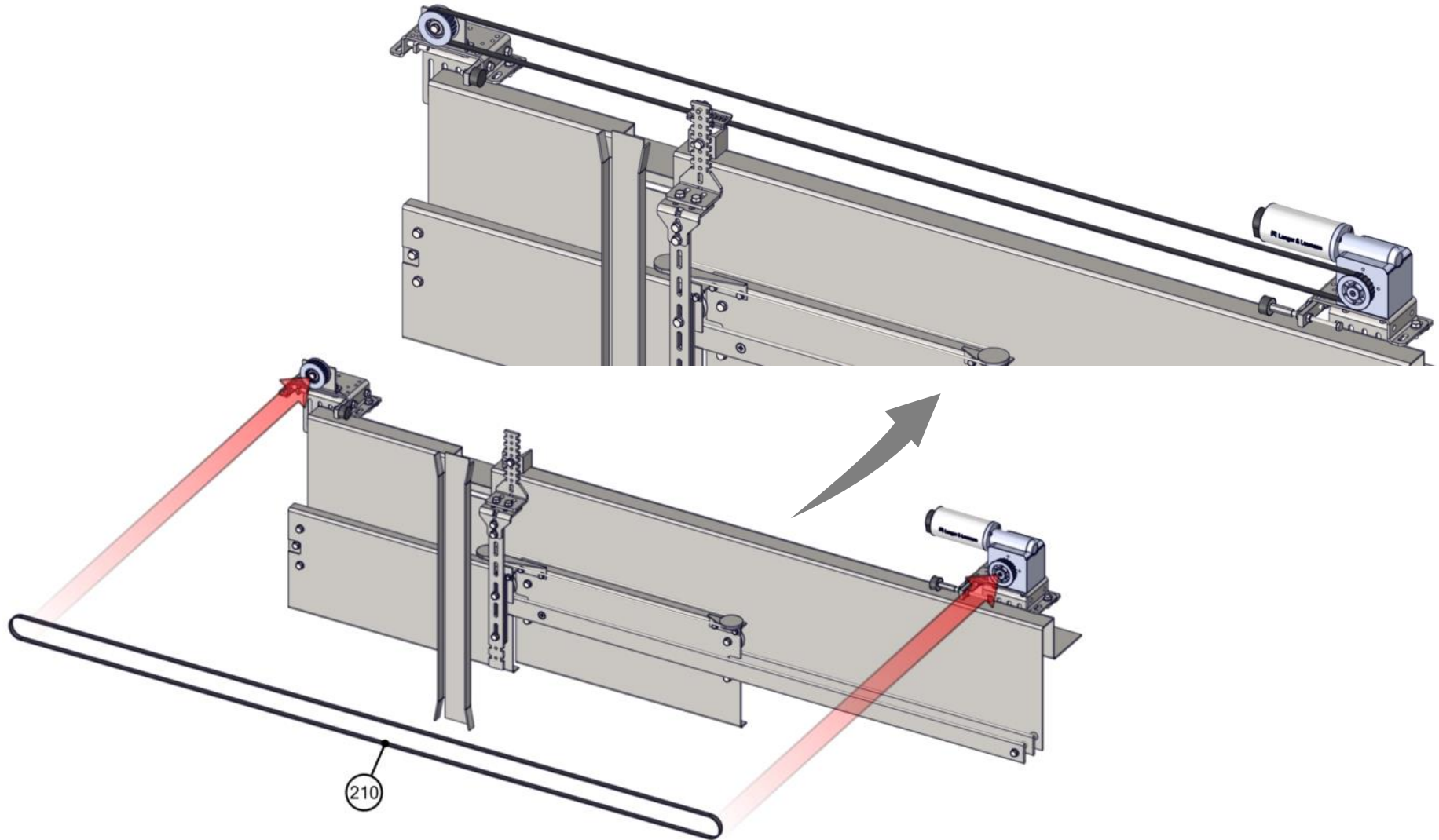
Montage TSG Anschlag – assembly of the TSG stopper



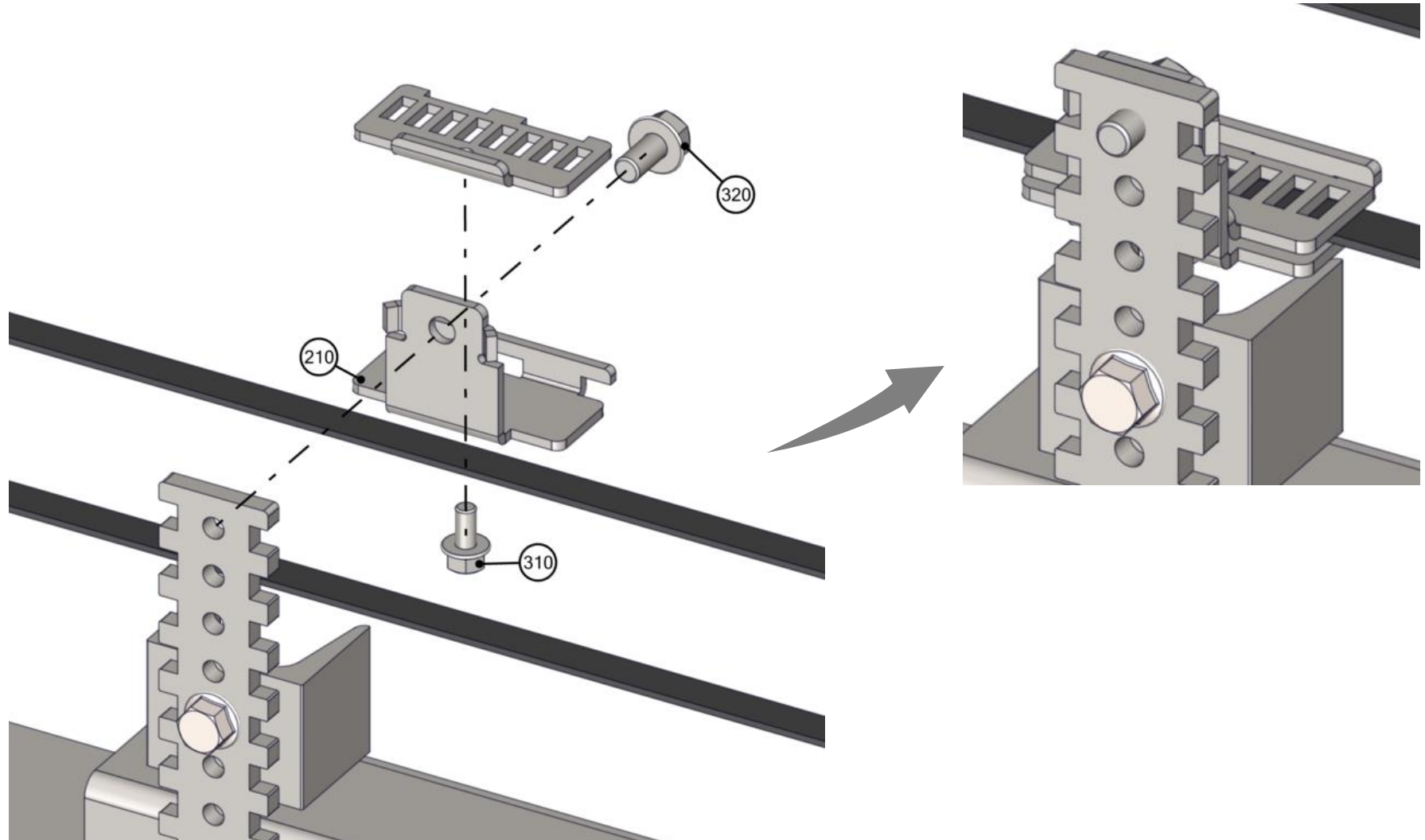


Montage Zahnriemen und Zahnriemenschloss – assembly of the toothed belt and toothed belt lock



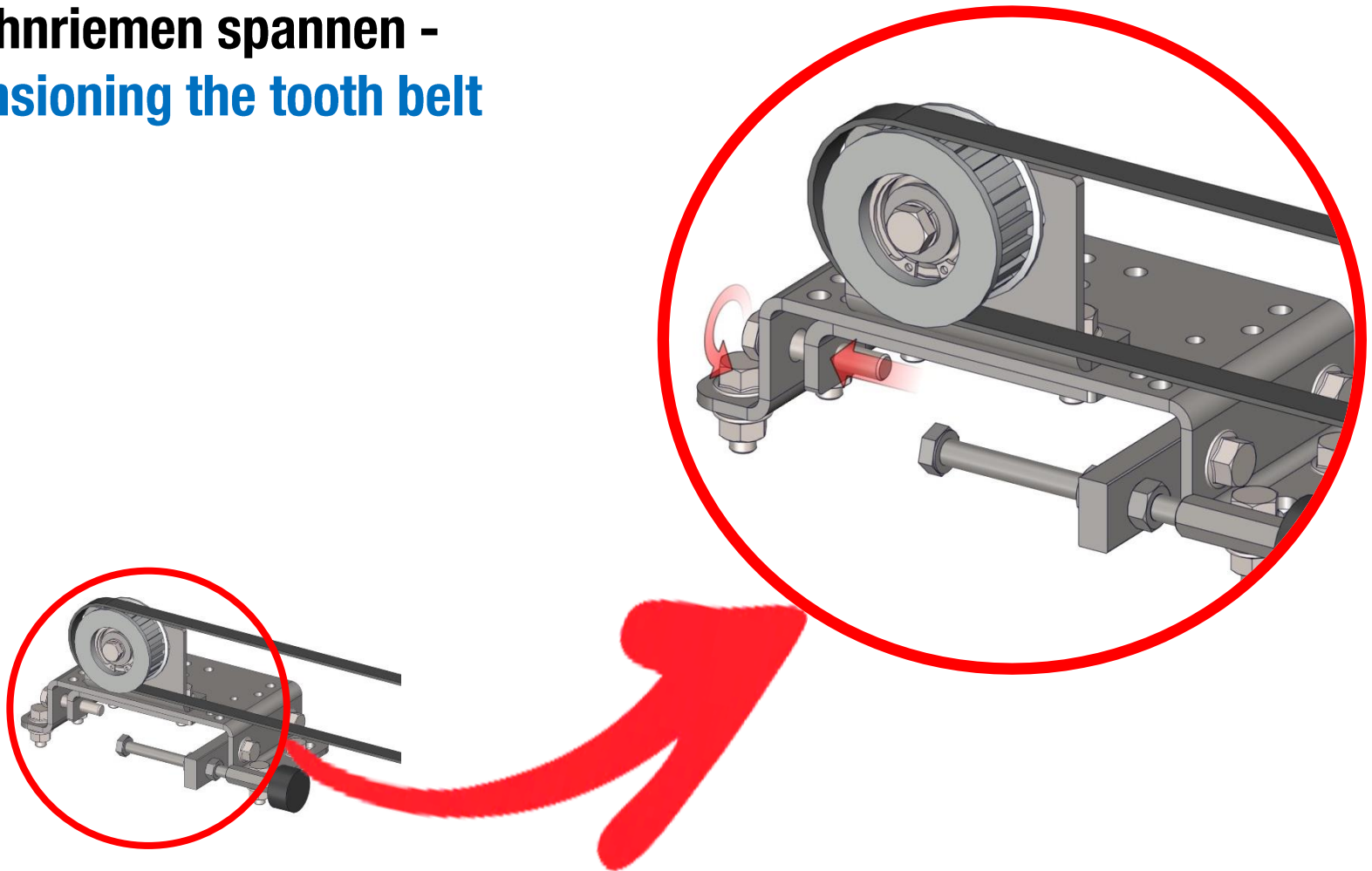


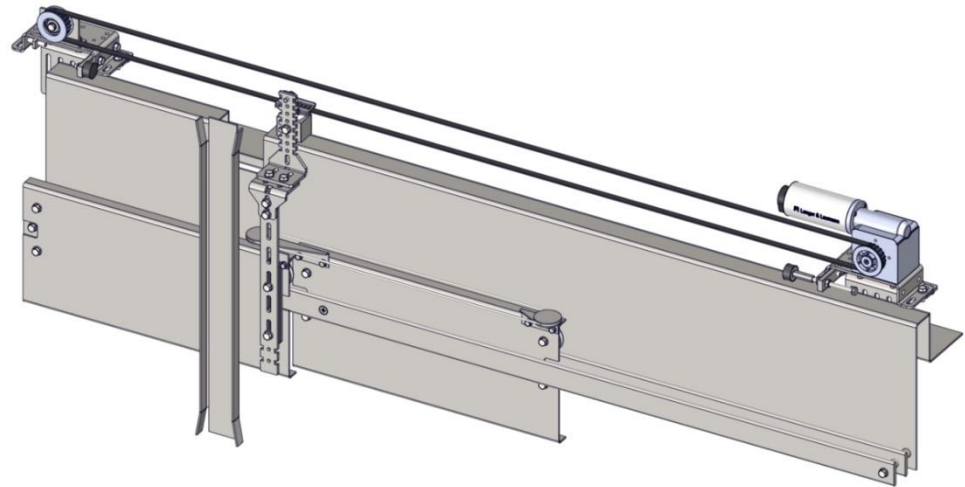
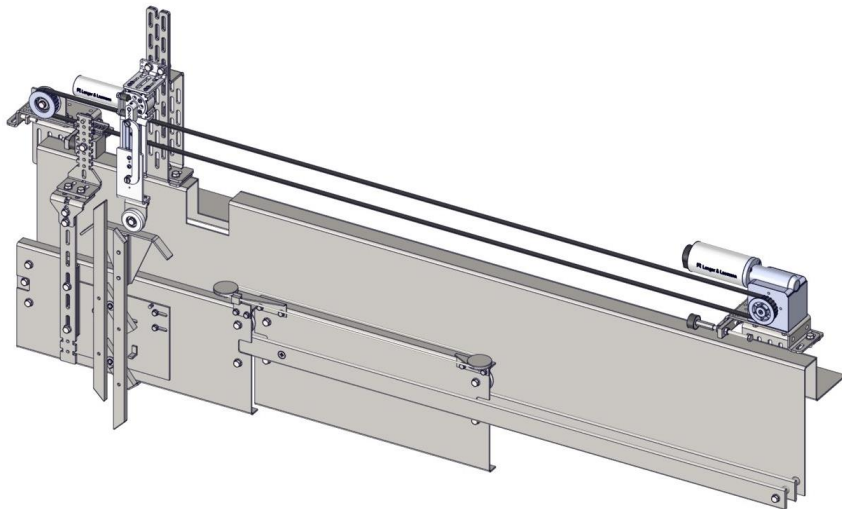
Pos.	Number	Description DE	Description EN	Menge
210	08.20.60002.40	TSG Zahnriemen [4,0m]	TSG toothed belt [4,0m]	1



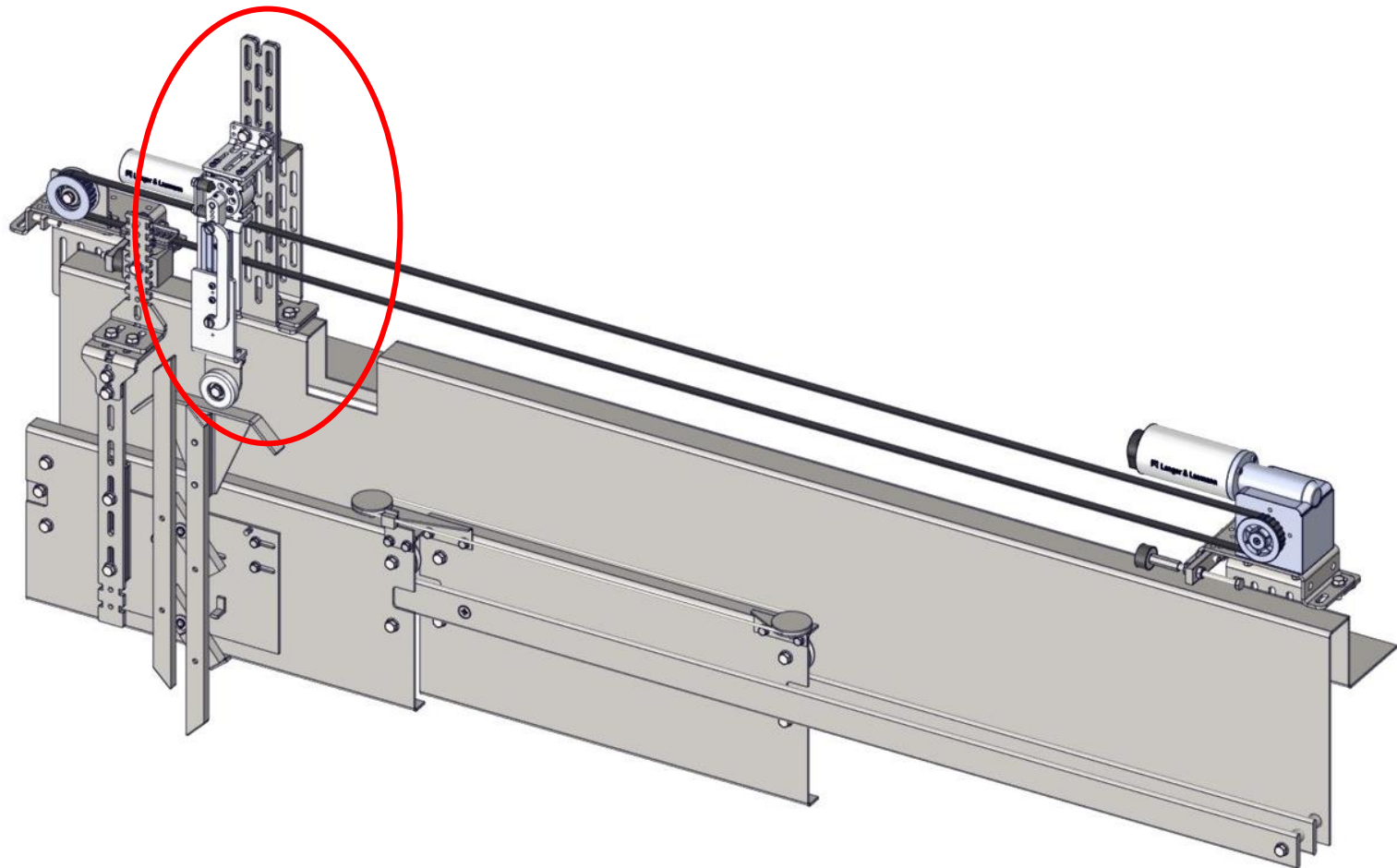
Pos.	Number	Description DE	Description EN	Menge
210	01.20.60005	TSG Zahnriemenschluss, Stahl, Mitnehmer	TSG toothed belt lock, steel, carrier	1
310	01.36.00135	Sperrzahnschraube DIN 6921 M6x12 verz.	hexagon head serrated screw WN0274 A2C 8.8 - M6x12	1
320	01.36.00710	Sperrzahnschraube WN0274 A2C 8.8 - M8x16	hexagon head serrated screw WN0274 A2C 8.8 - M8x16	1

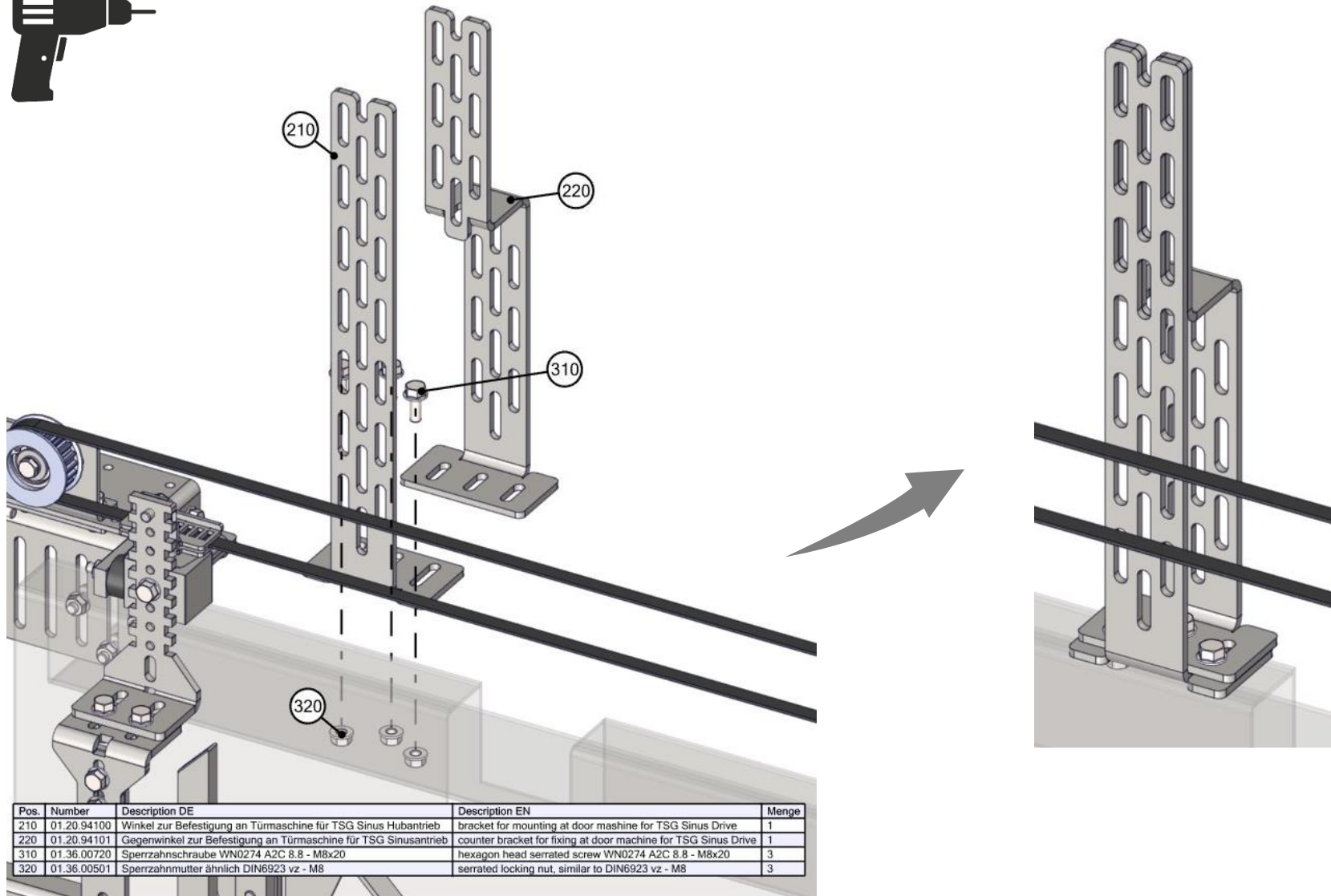
Zahnriemen spannen - tensioning the tooth belt

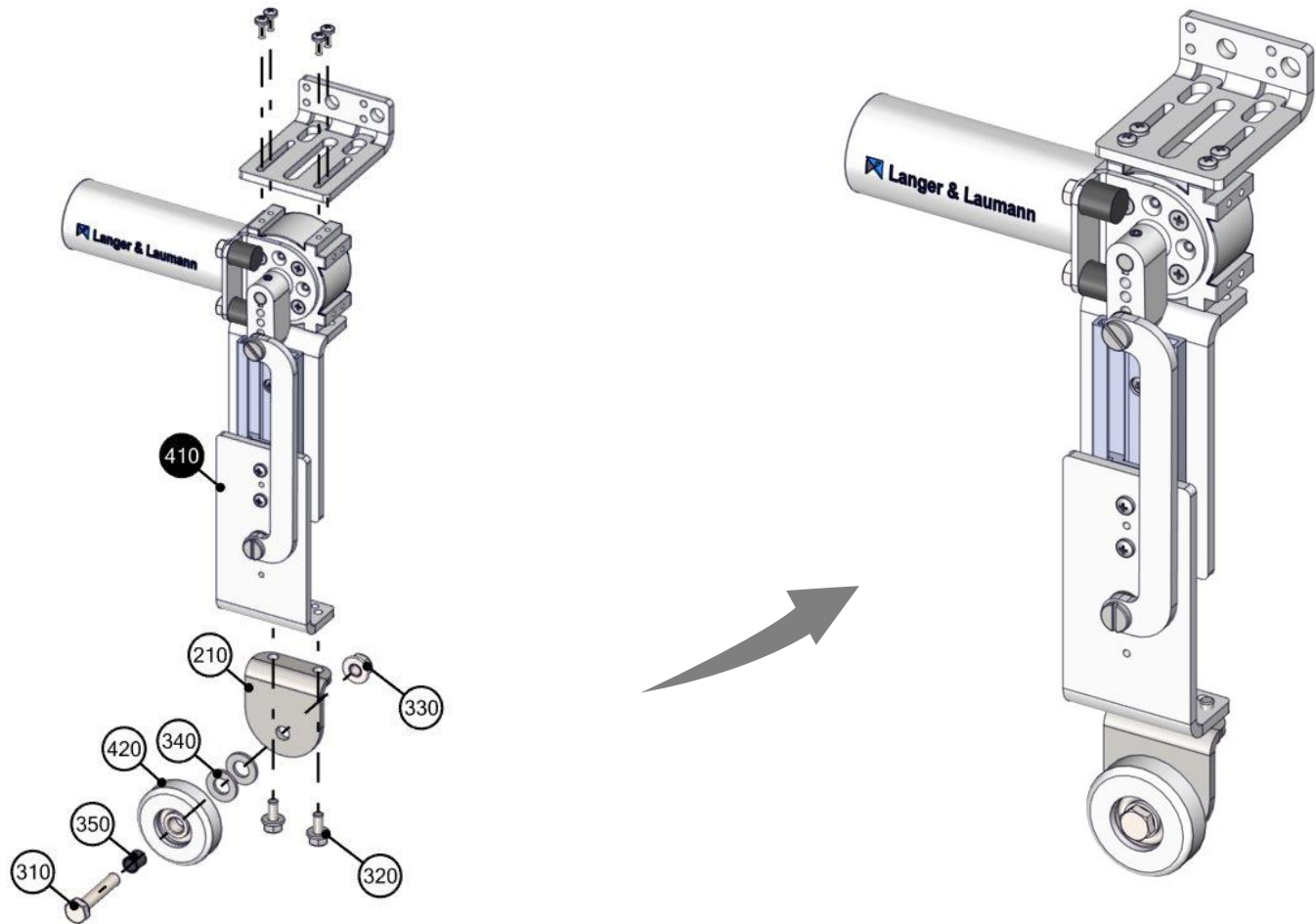




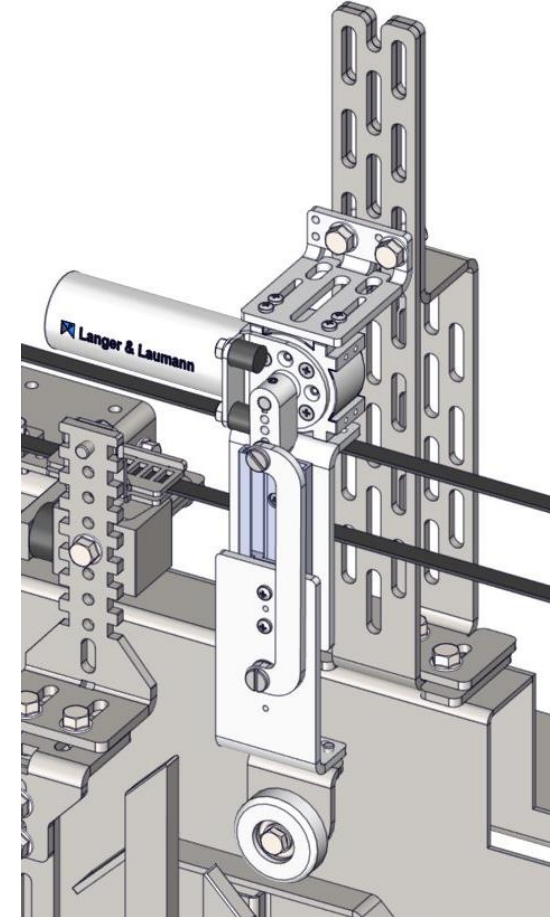
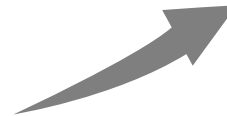
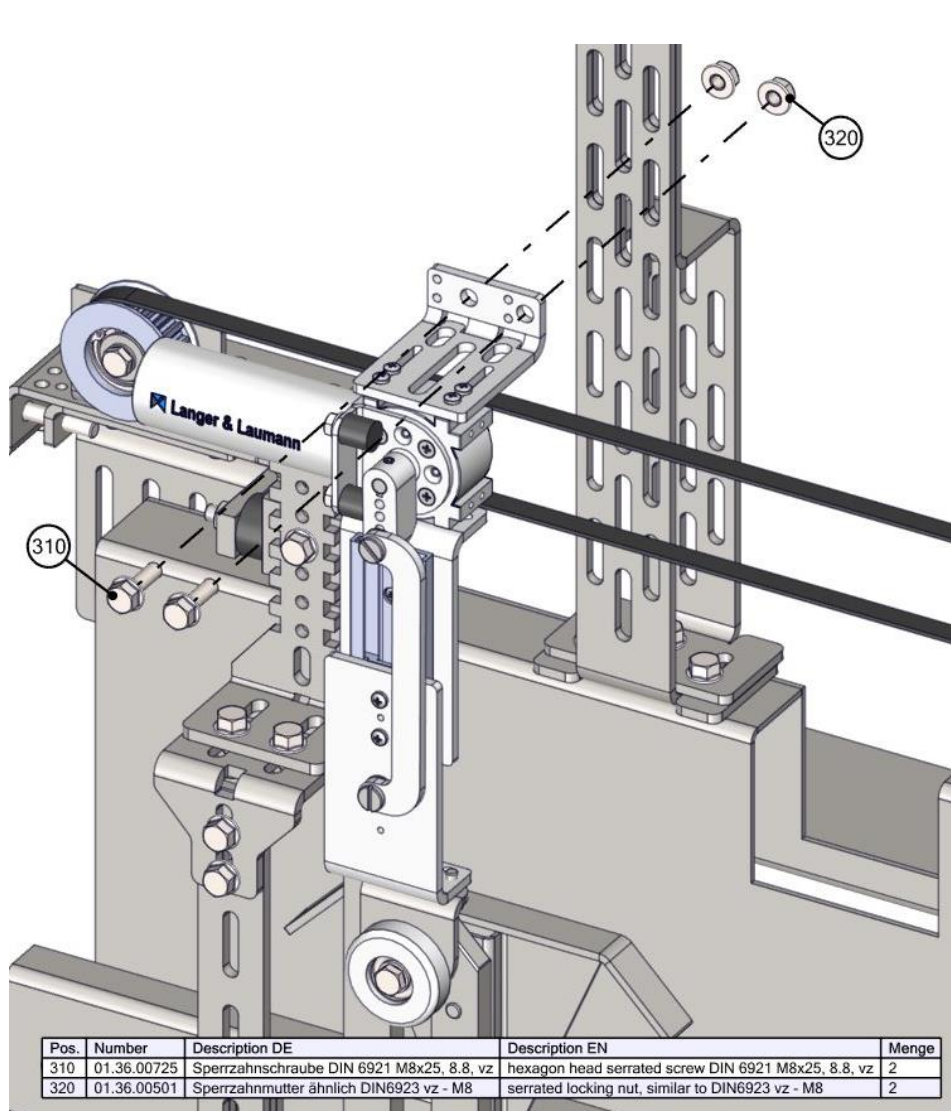
Montage TSG Sinusantrieb – assembly of the TSG Sinus Drive

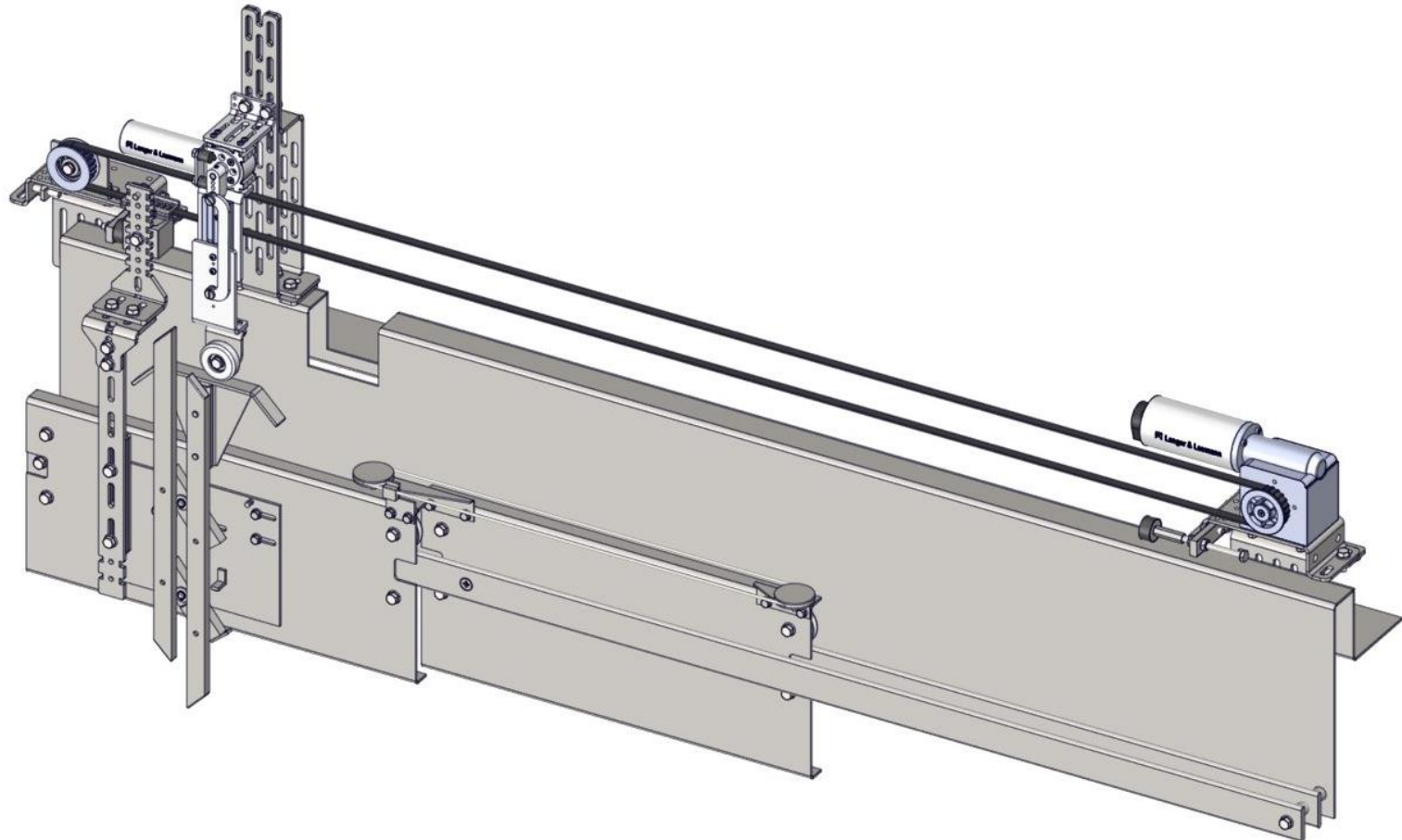


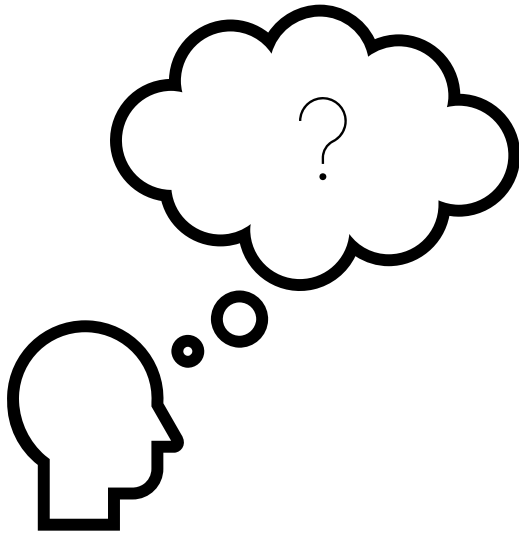




Pos.	Number	Description DE	Description EN	Menge
210	01.20.94080	Rollenhalter für TSG Sinusantrieb	wheel holder for TSG Sinus Drive	1
310	01.36.00115	Sechskantschraube Vollgewinde DIN933 vz 8.8 - M8x40	hexagonal bolt, thread up to head DIN933 vz 8.8 - M8x40	1
320	01.36.00135	Sperrzahnschraube DIN 6921 M6x12 verz.	hexagon head serrated screw WN0274 A2C 8.8 - M6x12	2
330	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	1
340	01.36.00470	Scheibe ISO 7090-10-140HV (DIN125) vz	washer DIN125A vz - 10,5	2
350	01.20.41020	Gleitlager für Rad mit Kugellager, d1-8mm d2-10mm Breite-10mm	slide bearing with wheel	1
410	08.20.83111	TSG Sinusantrieb links für Riegelbetätigung (ohne TSG Elektronik)	TSG Sinus Drive left for interlock operation (without TSG electronic)	1
420	01.20.41010	Rad, gespritztem Polyurethan, D=50[mm]	wheel, injected polyurethane, D=50[mm], M10	1







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