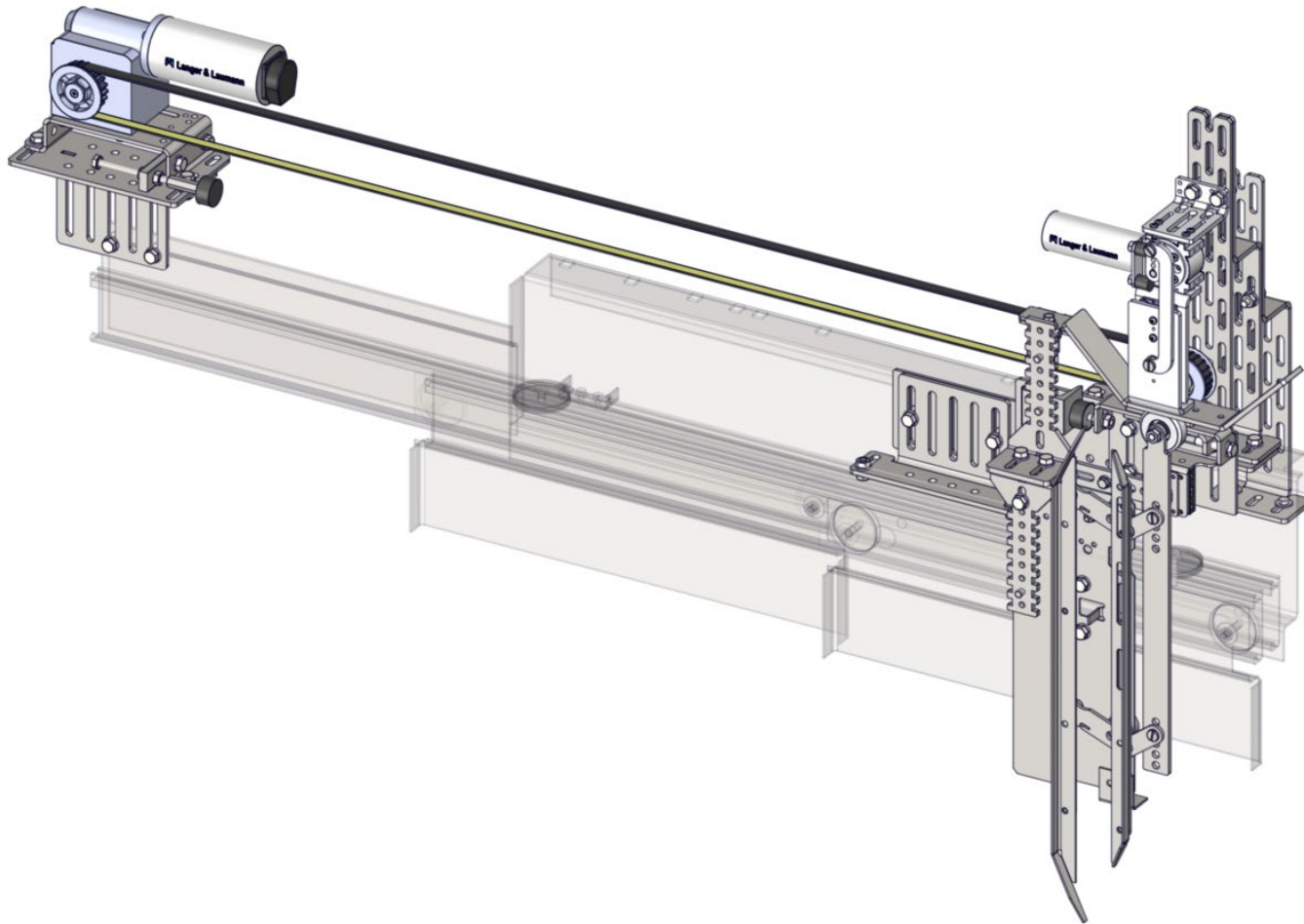


Montageanleitung **Assembly Instruction**

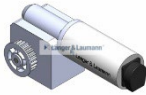
QKS11 Lite – **QKS11 Lite**

QKS11 Lite – QKS11 Lite

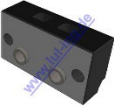


Lieferumfang – scope of supply



picture	Number	description DE	description EN	quantity
	8.20.00131.04	TSG V4 Lift Door Operator -Electronic extern	TSG V4 Lift Door Operator -Electronic extern	1
	8.20.4000x.X1	Motor Gross Getriebe, 24V/4,9A/1:15	motor large & gearbox, 24V/4,9A/1:15	1
	8.20.83111	TSG Sinusantrieb für Riegelbetätigung	TSG Sinus Drive for interlock operation	1
	1.20.92090	Montagewinkel für Kombiwinkel 'Hut' schmal, rechtwinkelig	mounting bracket for combi bracket 'hat', rectangular	1
	1.20.30624	flacher Winkel Kurve	flat angle curve	1
	1.20.35240	rechth. Halter für Brücke von Sicherheitskreisschalter	rectangular holder for bridge of safety circuit switch	1
	1.14.20230	Gewindeplatte Halter für Endschalterbetätiger	threaded plate for limit switch actuator	1
	1.14.20211	Betätiger für 1.14.20210	actuator for 1.14.20210	1

picture	Number	description DE	description EN	quantity
	1.20.30631	Umlenkhebel Schwert für Rolle	reversing lever skate for roller	1
	1.20.41010	Rad mit Kugellager, gespritztem Polyurethan, D=50[mm]	wheel with ball bearing, injected polyurethane, D=50[mm]	1
	1.20.41020	Gleitlager für Rad mit Kugellager, d1:8mm / d2: 10mm	slide bearing with wheel	1
	1.20.92020	TSG Türflügelmitnehmer, rechtwinkelig, mit Langlöcher	TSG door panel coupler, rectangular, with oblong holes	2
	1.20.60037	Halterung Puffer, Standardversion	bracket buffer, standard version	1
	1.20.60060	TSG Kombiwinkel, Ausführung 'Hut', für TSG Motor oder Umlenkrad	TSG universal bracket, version 'hat', for TSG motor or counter roller	1
	1.20.92010	Montageplatte für Kombiwinkel 'Hut', rechtwinkelig	fixing plate for combi bracket 'hat', rectangular	2
	1.20.91120	Gummipuffer D30x15, Gewindebolzen M8x20, 75 Shore	rubber-metal bump stop D30x15, threaded stud M8x20, 75 Shore	2
	1.20.60013	TSG Halter für Umlenkrad	TSG bracket for counter roller	1

picture	Number	description DE	description EN	quantity
	1.20.60070	TSG Kombiwinkel Gegenseite, schmale Bauform (Tiefe=35mm)	TSG universal bracket counter side, slim design (35mm)	1
	1.20.60110	Spannlasche für Spannstation, normale Ausführung	clamping tab for clamping station, normal execution	1
	1.20.60003	TSG Umlenkrad	TSG counter roller	1
	1.14.20210	Zwangstürkontakt ohne Betätiger	positive-operation door contact without actuator	1
	1.14.20215	Halter für Endschalter	holder for limit switch	1
	1.14.20220	Gewindeplatte für Halter für Endschalter	threaded plate for holder for limit switch	1
	1.20.60020	TSG Anschlag für Türflügelmitnehmer	TSG stopper for door coupler	1
	1.20.60005	TSG Zahnriemenschloß, Stahl	TSG toothed belt lock, steel	1
	1.20.94050	Haltewinkel für TSG Sinusantrieb	mounting bracket for TSG Sinus Drive	1

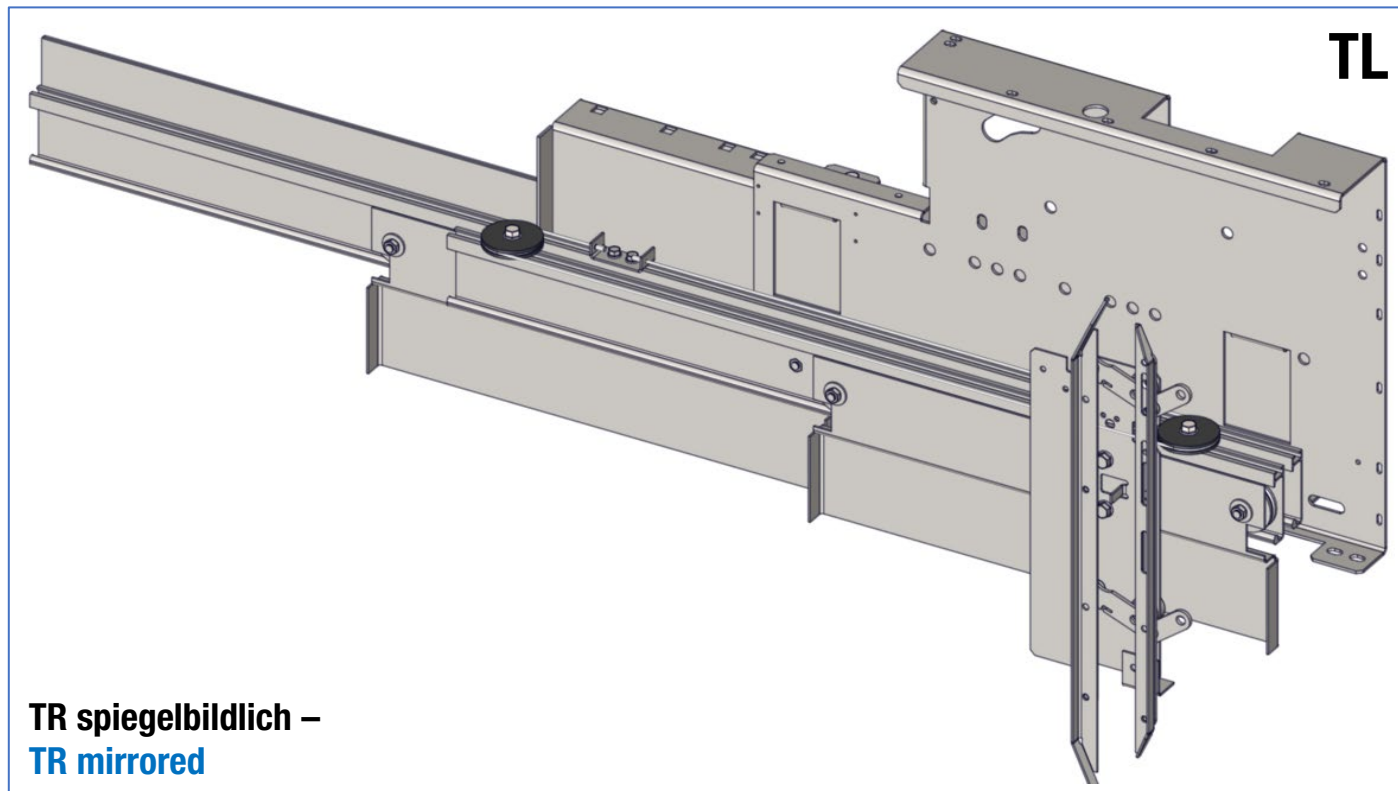
picture	Number	description DE	description EN	quantity
	1.20.94100	Winkel zur Befestigung an Türmaschine für TSG Sinusantrieb	bracket for mounting at door machine for TSG Sinus Drive	1
	1.20.94101	Gegenwinkel zur Befestigung an Türmaschine für TSG Sinusantrieb	counter bracket for fixing at door machine for TSG Sinus Drive	2
	1.20.94115	Kurve Rollenbetätigung (zweiseitig) für TSG Sinusantrieb	curve roller actuation (double sided) for TSG Sinus Drive	1
	8.20.60002.40	TSG Zahnriemen [4,0m]	TSG toothed belt [4,0m]	1
	1.36.01030	Scheibe großer Durchmesser DIN9021 vz - 10,5	washer with large outside diameter DIN9021 vz - 10,5	2
	1.36.00720	Sperrzahnschraube WN0274 A2C 8.8 - M8x20	hexagon head serrated screw WN0274 A2C 8.8 - M8x20	17
	1.36.00501	Sperrzahnmutter, ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	26
	1.36.00137	Sperrzahnschraube WN0274 A2C 8.8 - M6x20	hexagon head serrated screw WN0274 A2C 8.8 - M6x20	2
	1.36.00112	Sechskantschraube ISO4017 vz 8.8 - M6x20	hexagonal bolt ISO4017 vz 8.8 - M6x20	2

picture	Number	description DE	description EN	quantity
	1.36.00003	Linsenschraube DIN7985 vz 4.8 - M4x10	pan head screw DIN7985 vz 4.8 - M4x10	6
	1.36.00502	Sperrzahnmutter, ähnlich DIN6923 vz - M6	ribbed nuts, similar to DIN6923 vz - M6	7
	1.36.05611	Unterlegscheibe, 6,4 x 12 ISO 7089(DIN125)	washer, 6,4 x 12 ISO 7089(DIN125)	4
	1.36.00171	Federring DIN127 vz - M6	lock washer DIN127 vz - M6	3
	1.36.00476	Sechskantschraube Vollgewinde DIN933 vz 8.8 - M8x35	hexagonal bolt, thread up to head DIN933 vz 8.8 - M8x35	1
	1.36.00915	Flachkopfschraube mit Schlitz und Ansatz DIN 923 vz - M6x10	slotted flat-head screw with shoulder DIN923 vz - M6x10	2
	1.36.00440	Scheibe DIN125A vz - 8,4	washer DIN125A vz - 8,4	4
	1.36.00177	Sechskantschraube Vollgewinde DIN933 vz 8.8 - M8x100	hexagonal bolt, thread up to head DIN933 vz 8.8 - M8x100	1
	1.36.00138	Sperrzahnschraube WN0274 A2C 8.8 - M6x16	hexagon head serrated screw WN0274 A2C 8.8 - M6x16	4

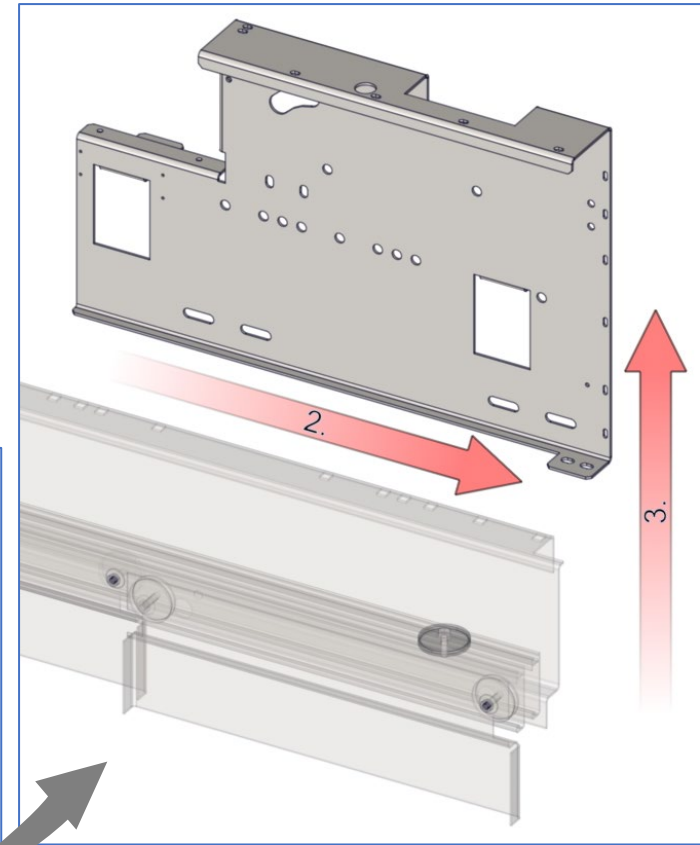
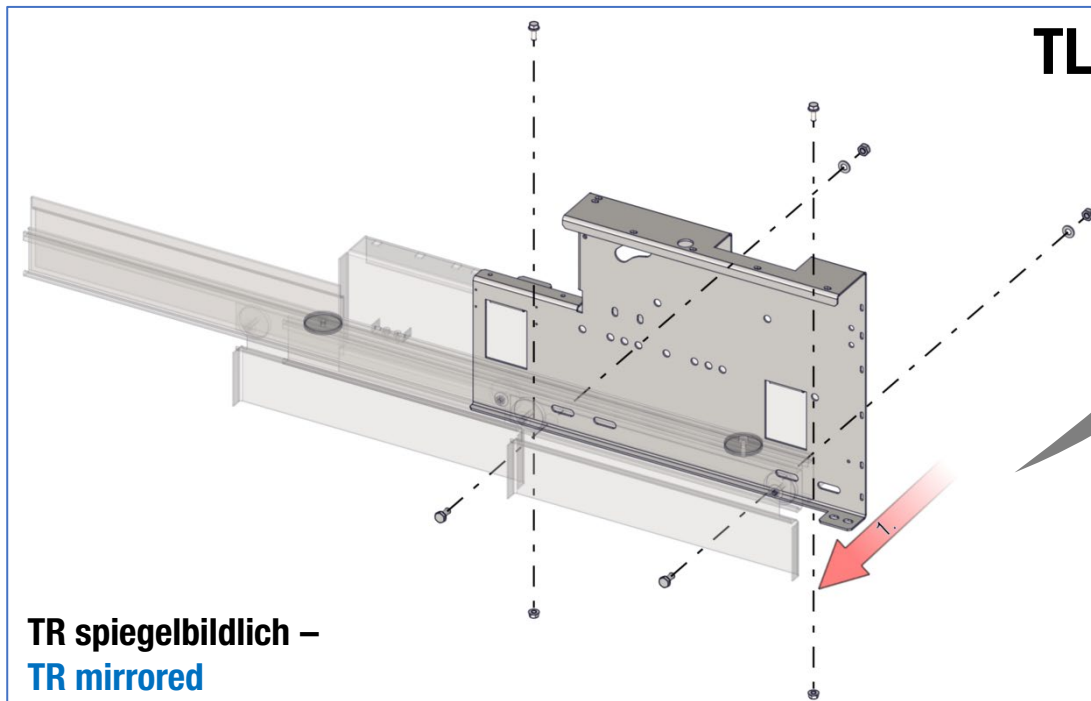
picture	Number	description DE	description EN	quantity
	1.36.00430	Sechskantmutter DIN934-8 vz 8.8 - M8	hexagon nut DIN934-8 vz 8.8 - M8	2
	1.36.00121	Sechskantdistanzmuffe vz 8.8 - M8x40	hexagonal spacer sleeve vz 8.8 - M8x40	1
	1.36.00115	Sechskantschraube Vollgewinde DIN933 vz 8.8 - M8x40	hexagonal bolt, thread up to head DIN933 vz 8.8 - M8x40	2
	1.36.00450 oder 1.36.01035	Scheibe großer Durchmesser DIN9021 vz - 8,4	washer with large outside diameter DIN9021 vz - 8,4	1
	1.36.00169	Federring DIN127 vz - M8	lock washer DIN127 vz - M8	1
	1.36.05600	Sperrzahnschraube DIN6921 V4A - M6x20	hexagon head serrated screw DIN6921 V4A - M6x20	2
	1.36.00014	Linsenschraube DIN7985 vz 4.8 - M4x12	pan head screw DIN7985 vz 4.8 - M4x12	2
	1.36.00200	Sechskantmutter DIN934-8 vz 8.8 - M6	hexagon nut DIN934-8 vz 8.8 - M6	1
	1.36.00710	Sperrzahnschraube WN0274 A2C 8.8 - M8x16	hexagon head serrated screw WN0274 A2C 8.8 - M8x16	2

picture	Number	description DE	description EN	quantity
	1.36.00135	Sperrzahnschraube WN0274 A2C 8.8 - M6x12	hexagon head serrated screw WN0274 A2C 8.8 - M6x12	1
	1.36.00360	Senkkopfschraube mit Innensechskant DIN7991 vz 8.8 - M6x16	countersunk head screw w.recessed head DIN7991 vz8.8 - M6x16	2
	1.36.00725	Sperrzahnschraube WN0274 A2C 8.8 - M8x25	hexagon head serrated screw WN0274 A2C 8.8 - M8x25	9
	1.36.02115	Sechskantschraube Vollgewinde DIN933 vz 8.8 - M8x16	hexagonal bolt, thread up to head DIN933 vz 8.8 - M8x16	2
	1.36.00475	Sechskantschraube Vollgewinde DIN933 vz 8.8 - M8x30	hexagonal bolt, thread up to head DIN933 vz 8.8 - M8x30	2
	1.36.01055	Bohrschraube Pias vz 5,5x19, Linsenkopf AW20 Torx	self-drilling screw Pias vz 5,5x19, pan head AW20 Torx	2

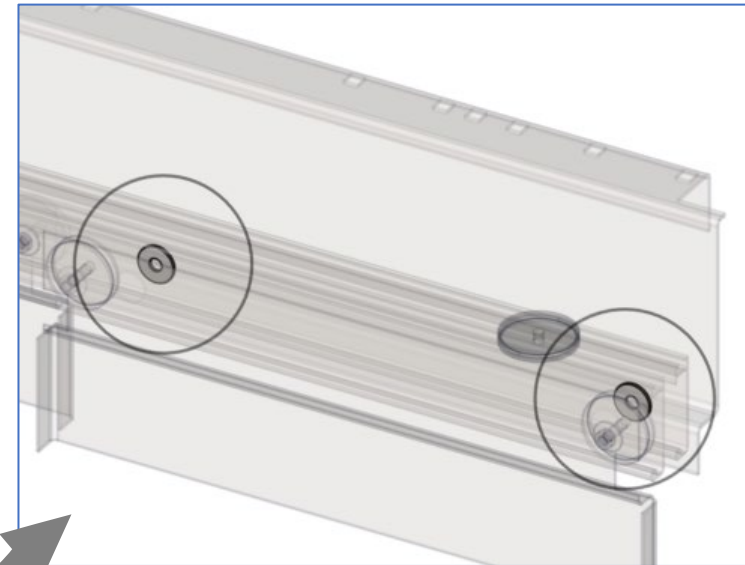
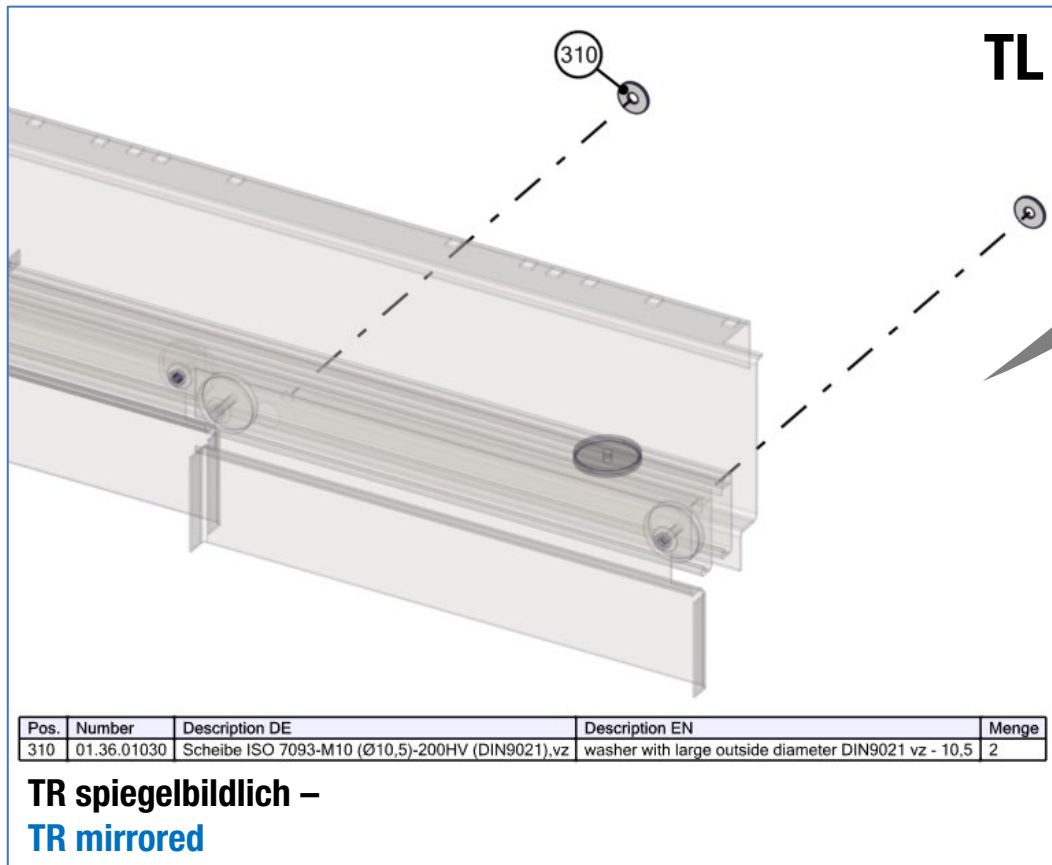
Vor Umbau – before conversion



Vor Umbau entfernen – remove before conversion

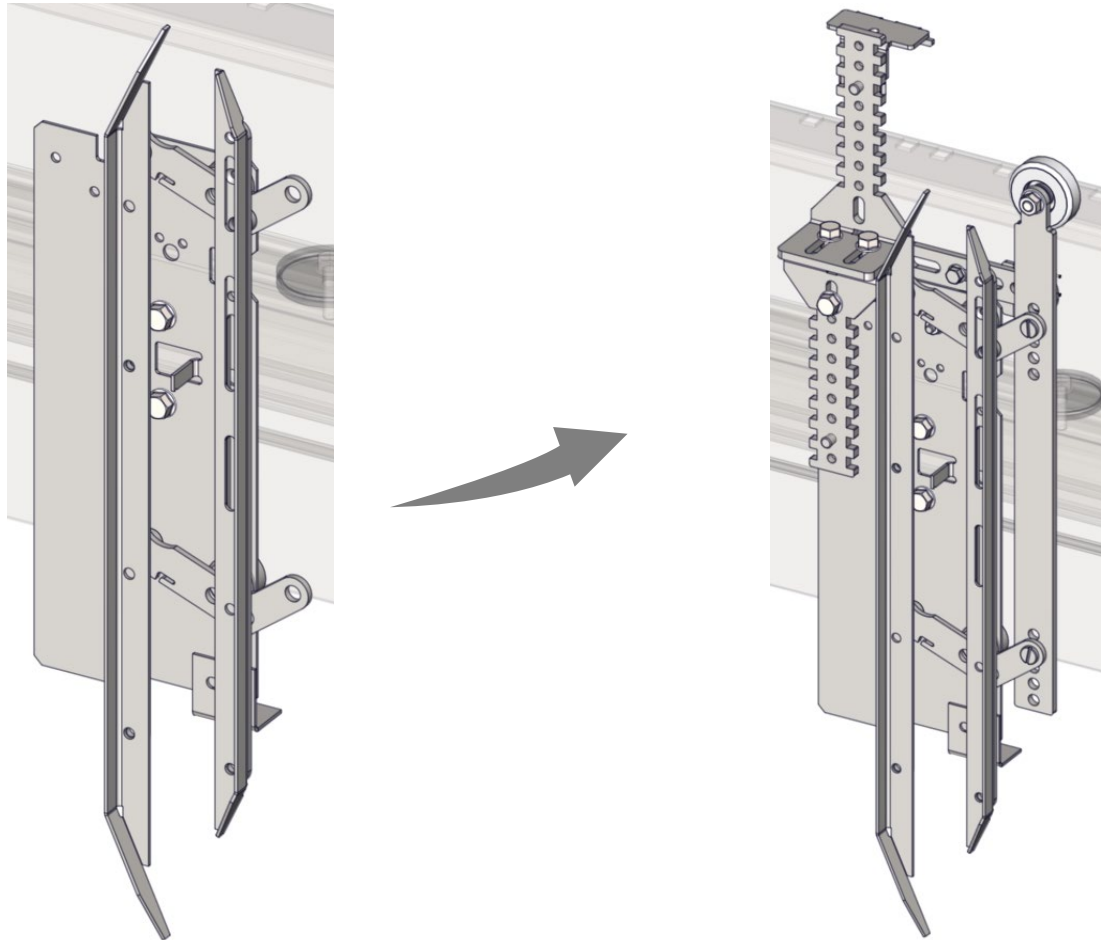


Nach Demontage – after disassembly



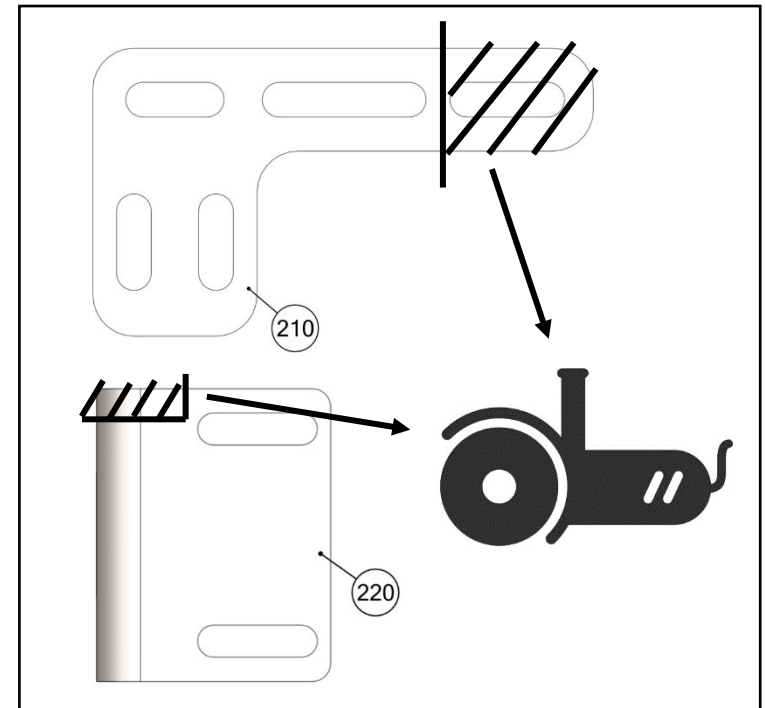
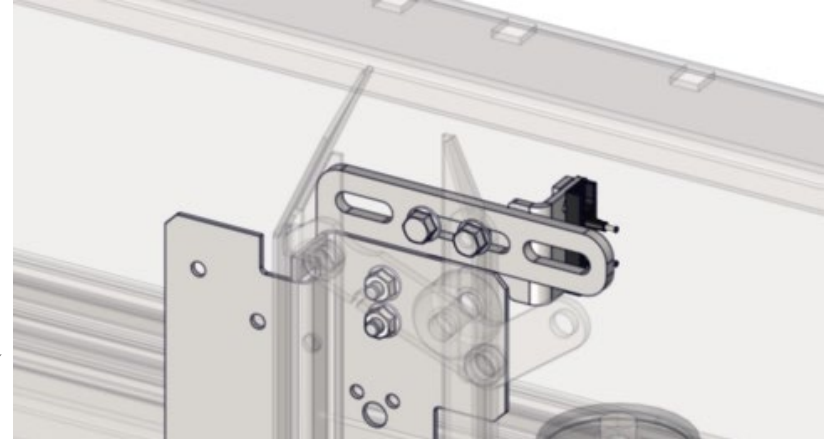
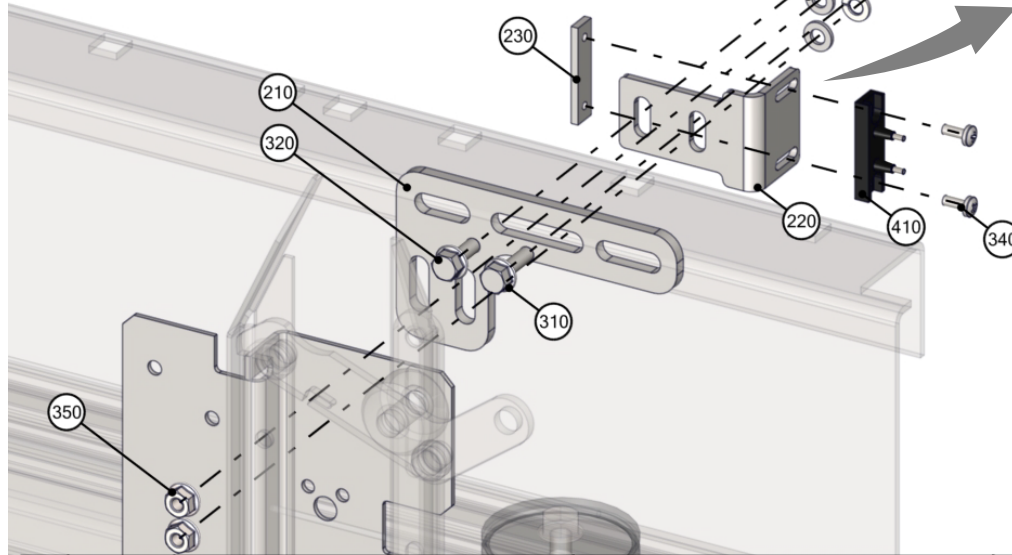
**U-Scheiben zum Unterfüttern
der Laufschienen –
washer for lining the slide
rails**

Modifizieren des vorhandenen, mechanischen Schwertes – modification of the existing, mechanic skate

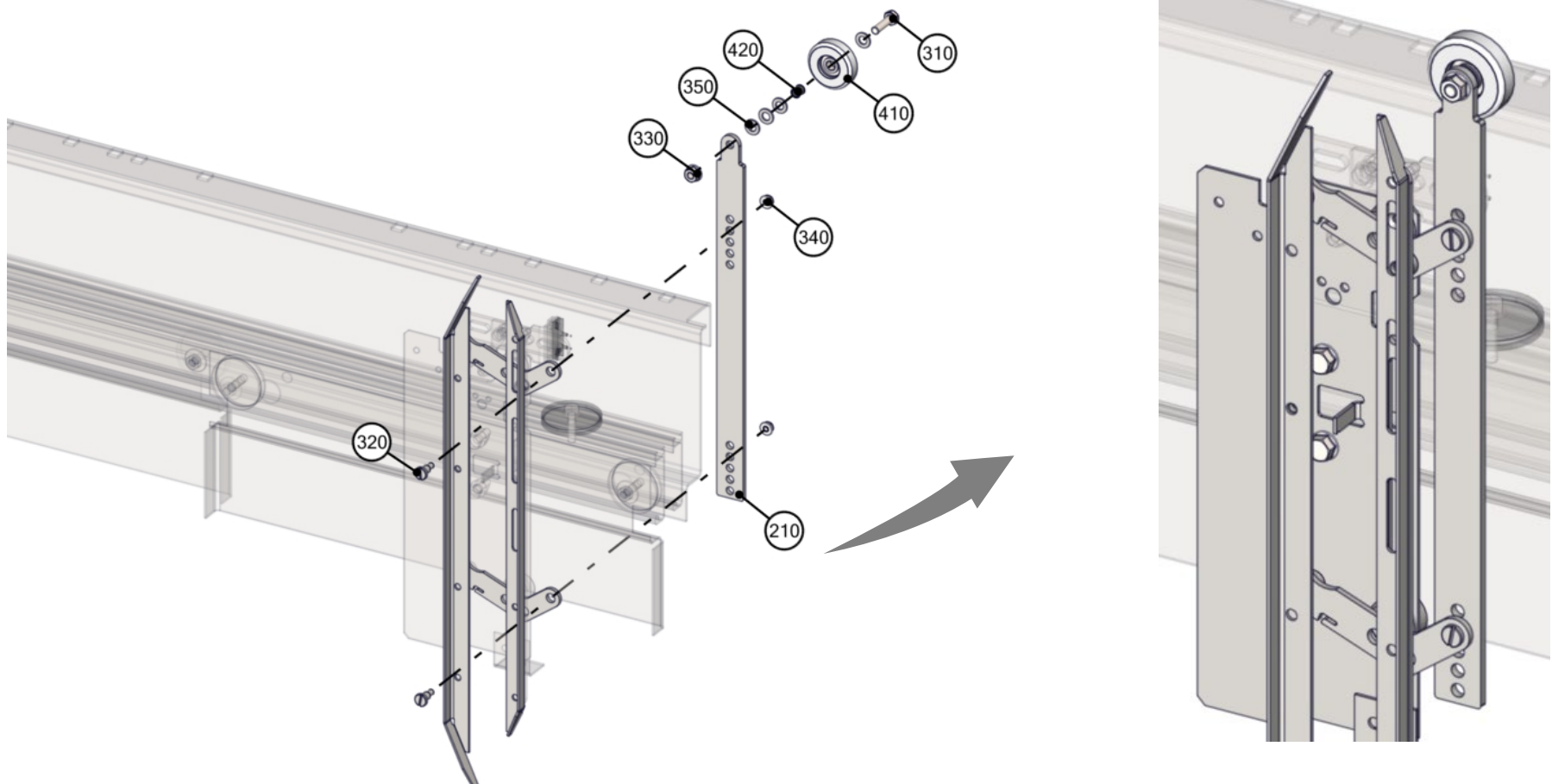




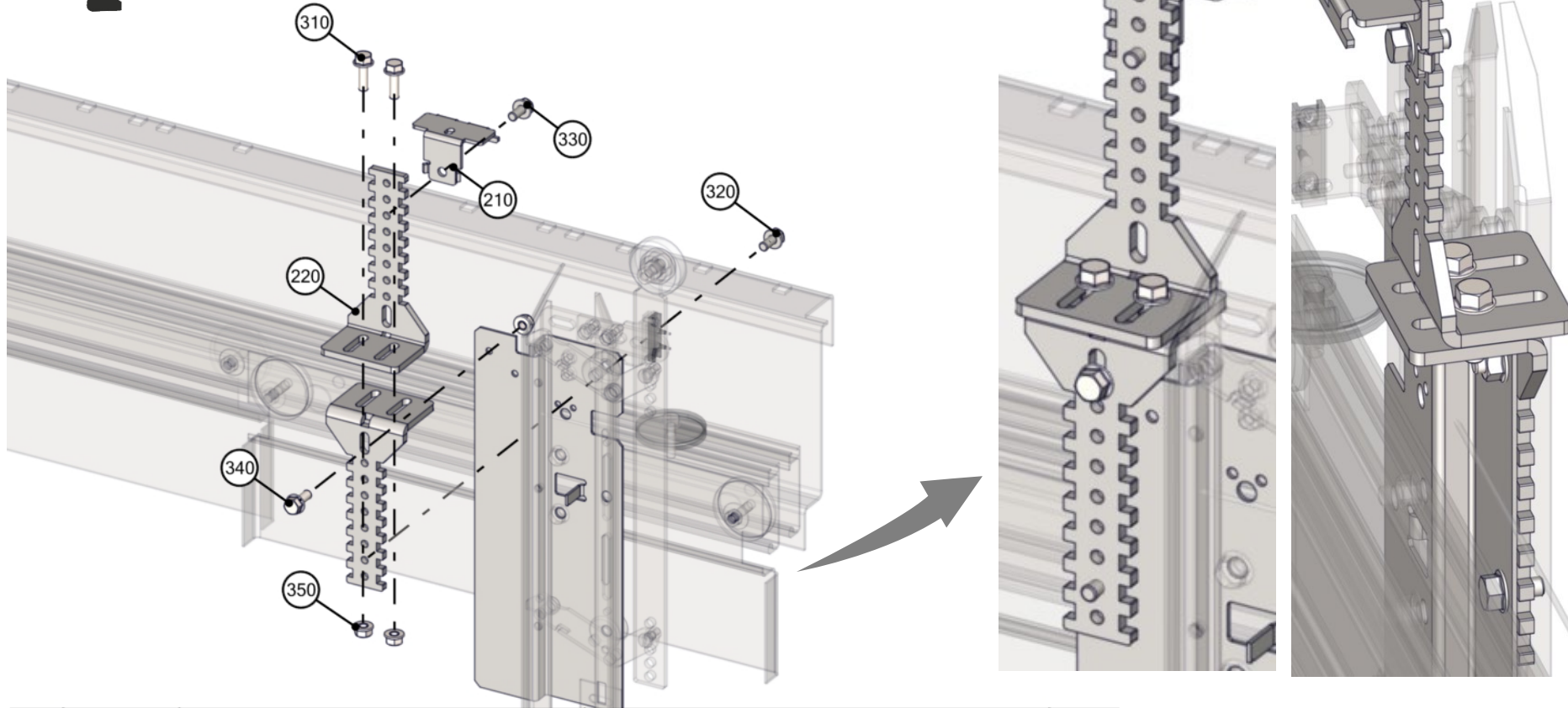
**Pos. 210 und 220 so tief wie
möglich montieren –**
**mount pos. 210 and 220 as
low as possible**



Pos.	Number	Description DE	Description EN	Menge
210	01.20.30624	flacher Winkel Kurve	flat angle curve	1
220	01.20.35240	rechth. Halter für Brücke von Sicherheitskreisschalter	rectangular holder for bridge of safety circuit switch	1
230	01.14.20230	Gewindeplatte für Halter für Endschaltefahne	threated plate for limit switch actuator	1
310	01.36.00137	Sperrzahnschraube vz 8.8 6x20	hexagon head serrated screw WN0274 A2C 8.8 - M6x20	1
320	01.36.00138	Sperrzahnschraube WN0274 A2C 8.8 - M6x16	hexagon head serrated screw WN0274 A2C 8.8 - M6x16	1
330	01.36.00112	Sechskantschraube ISO 4017 - M6x20 - 8.8, vz	hexagonal bolt ISO4017 vz 8.8 - M6x20	2
340	01.36.00003	Flachkopfschraube vz 4,8 7985 4x10	pan head screw DIN7985 vz 4.8 - M4x10	2
350	01.36.00502	Sperrzahnmutter, ähnlich DIN6923 vz - M6	ribbed nuts, similar to DIN6923 vz - M6	4
360	01.36.05611	Unterlegscheibe, 12 x 6,4 ISO 7089(DIN125)	washer, 12 x 6,4 ISO 7089(DIN125)	2
370	01.36.00171	Federring DIN127-A6-FSt	lock washer DIN127-A6-FSt	2
410	01.14.20211	Betätiger für AZ 061K, AZ 06-13B18	actuator for 1.14.20210	1



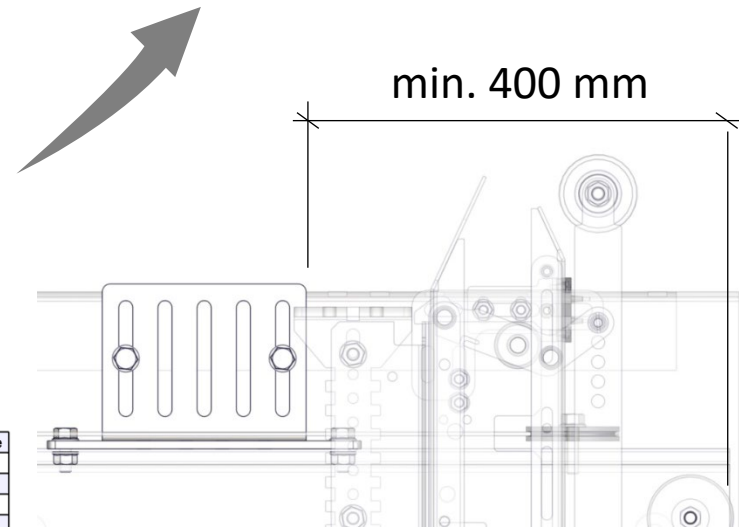
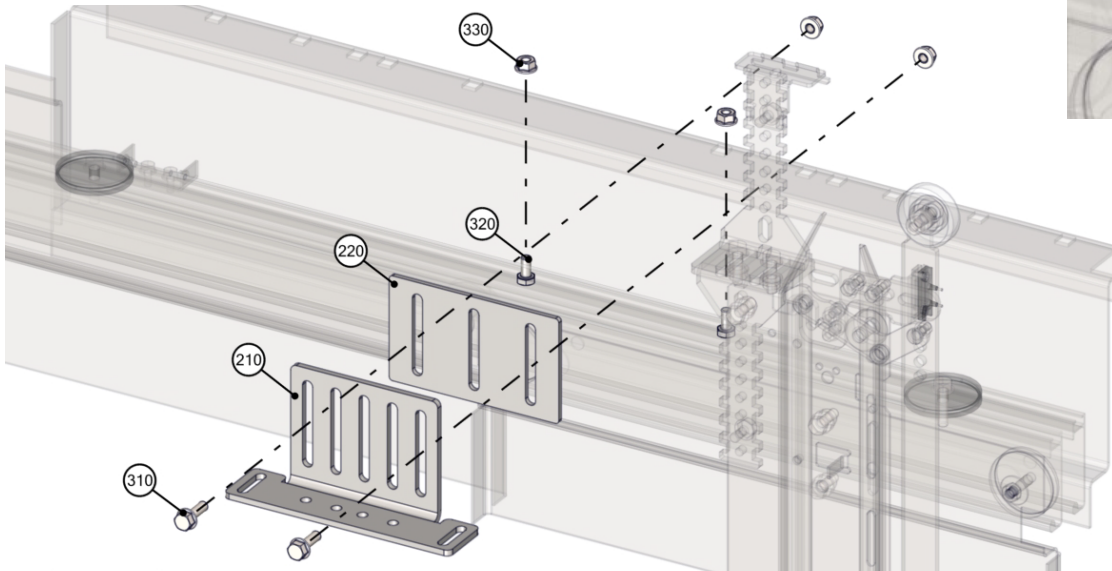
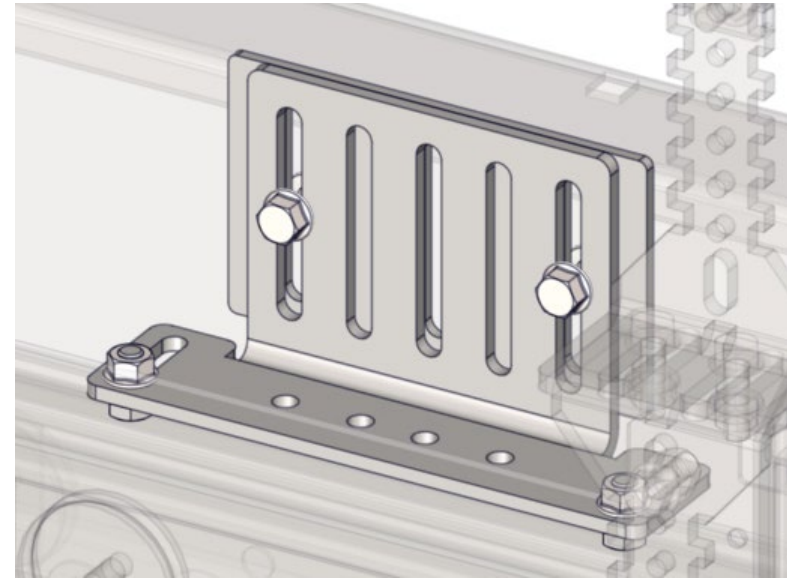
Pos.	Number	Description DE	Description EN	Menge
210	01.20.30631	Umlenkhebel Schwert für Rolle	reversing lever skate for roller	1
310	01.36.00475	Sechskantschraube ISO 4017 - M8x30 - 8.8, vz	hexagonal bolt ISO 4017 - M8x30 - 8.8, vz	1
320	01.36.00915	Flachkopfschraube mit Schlitz und Ansatz DIN 923 vz - M6x10	slotted flat-head screw with shoulder DIN923 vz - M6x10	2
330	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	1
340	01.36.00502	Sperrzahnmutter, ähnlich DIN6923 vz - M6	ribbed nuts, similar to DIN6923 vz - M6	2
350	01.36.00440	Scheibe ISO 7091-M8 (Ø9)-100HV (DIN126),vz	washer DIN125A vz - 8,4	4
410	01.20.41010	Rad mit Kugellager, D=50[mm]	wheel with ball bearing, D=50[mm]	1
420	01.20.41020	Gleitlager für Rad mit Kugellager, d1-8mm d2-10mm Breite-10mm	slide bearing with wheel	1



Pos.	Number	Description DE	Description EN	Menge
210	01.20.60005	TSG Zahnriemenschluss, Stahl, Mitnehmer-T1	TSG toothed belt lock, steel, carrier - p1	1
220	01.20.92020	Türflügelmitnehmer, rechtwinkelig mit Langlöcher	TSG door panel coupler, rectangular, with oblong holes	2
310	01.36.00139	Sperrzahnschraube DIN 6921 M6x25, 8.8, vz	hexagon head serrated screw WN0274 A2C 8.8 - M6x25	2
320	01.36.00710	Sperrzahnschraube WN0274 A2C 8.8 - M8x16	Hexagon head serrated screw WN0274 A2C 8.8 - M8x16	1
330	01.36.00710	Sperrzahnschraube WN0274 A2C 8.8 - M8x16	Hexagon head serrated screw WN0274 A2C 8.8 - M8x16	1
340	01.36.00720	Sperrzahnschraube WN0274 A2C 8.8 - M8x20	Hexagon head serrated screw WN0274 A2C 8.8 - M8x20	1
350	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	3

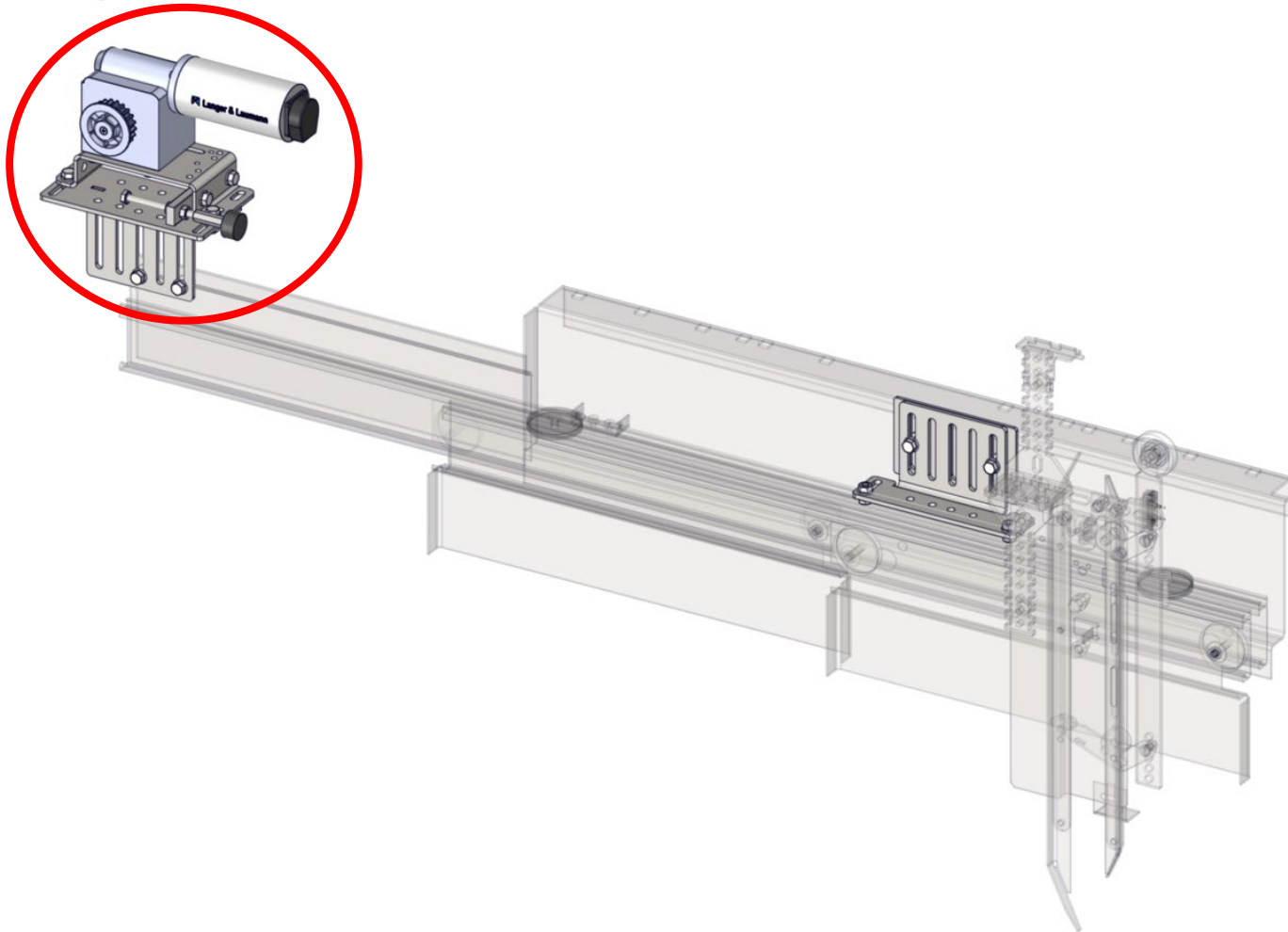


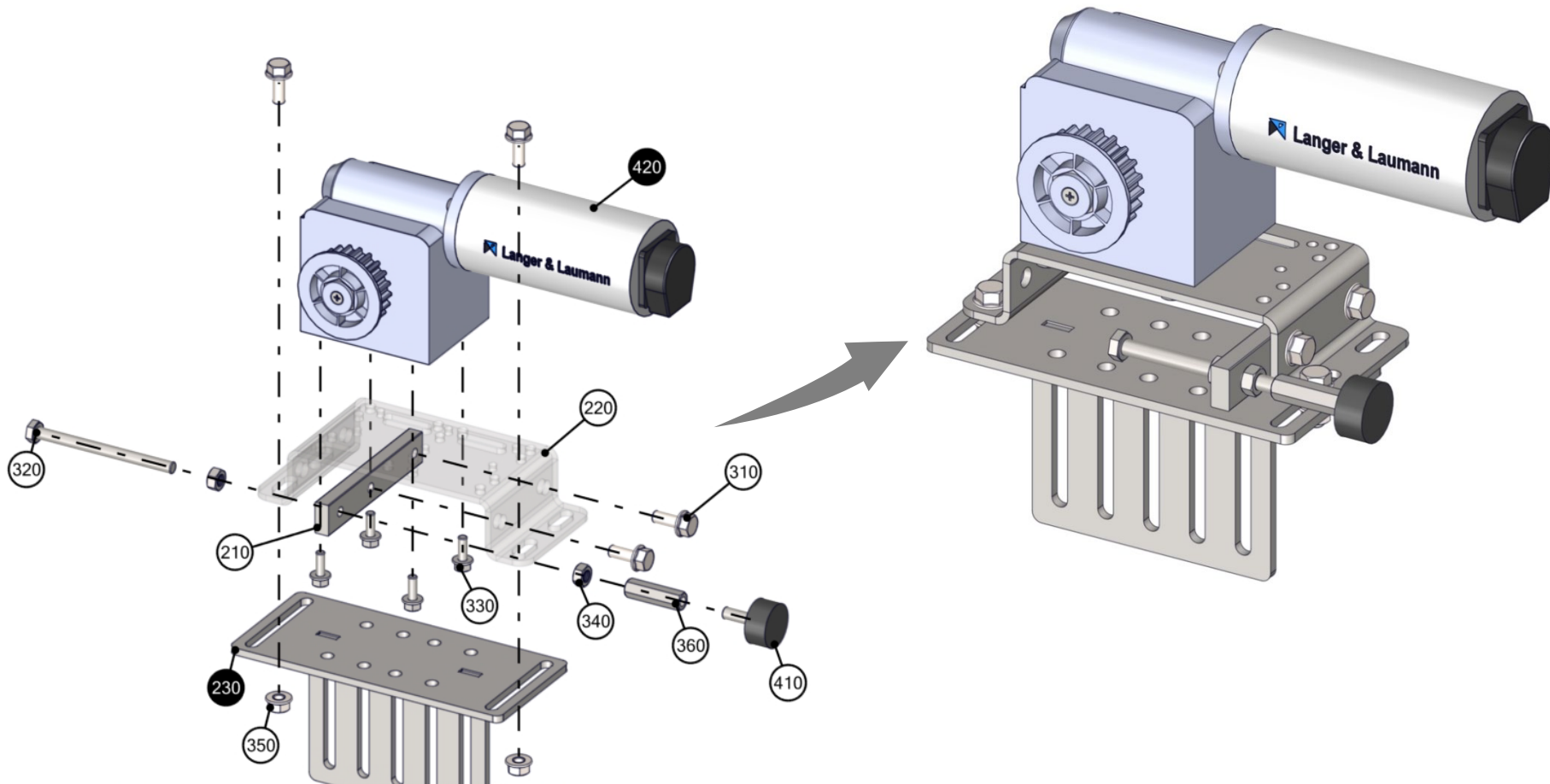
**Verstärkungswinkel zur
Verbesserung der Stabilität –
reinforcement angle to
improve stability**



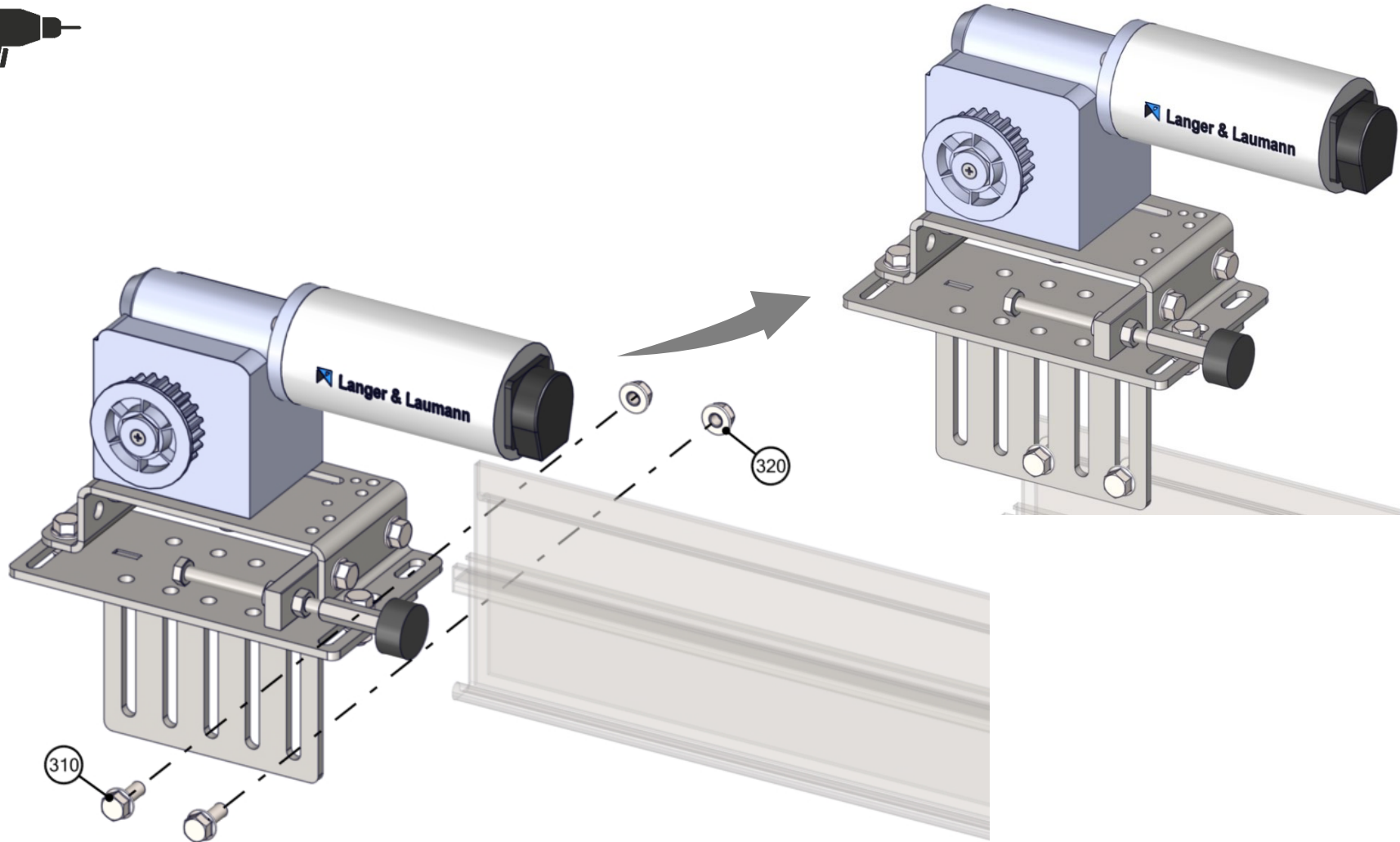
Pos.	Number	Description DE	Description EN	Menge
210	01.20.92090	Montagewinkel für Kombiwinkel Hut schmal, rechtwinklig, mit Langlöcher	fixing plate for combi bracket 'hat' slim, rectangular	1
220	01.20.30800	Futterblech, mit 3 Langlöcher	shim stock, with 3 slotted holes	1
310	01.36.00725	Sperrzahnschraube DIN 6921 M8x25, 8.8, vz	hexagon head serrated screw DIN 6921 M8x25, 8.8, vz	2
320	01.36.02115	Sechskantschraube ISO 4017 - M8x16 - 8.8	hexagonal bolt ISO4017 vz 8.8 - M8x16	2
330	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	4

Montage Motor – assembly of the motor



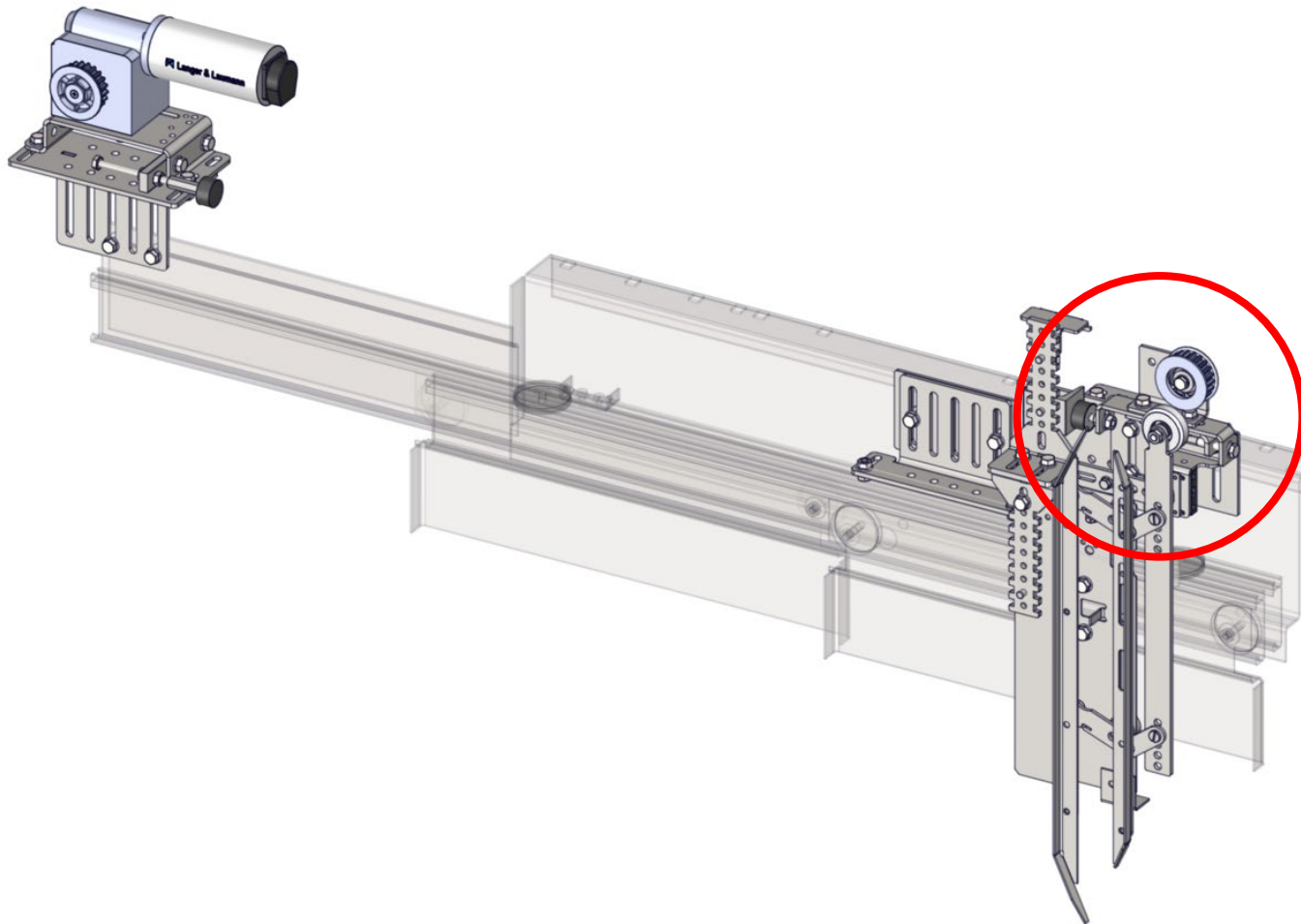


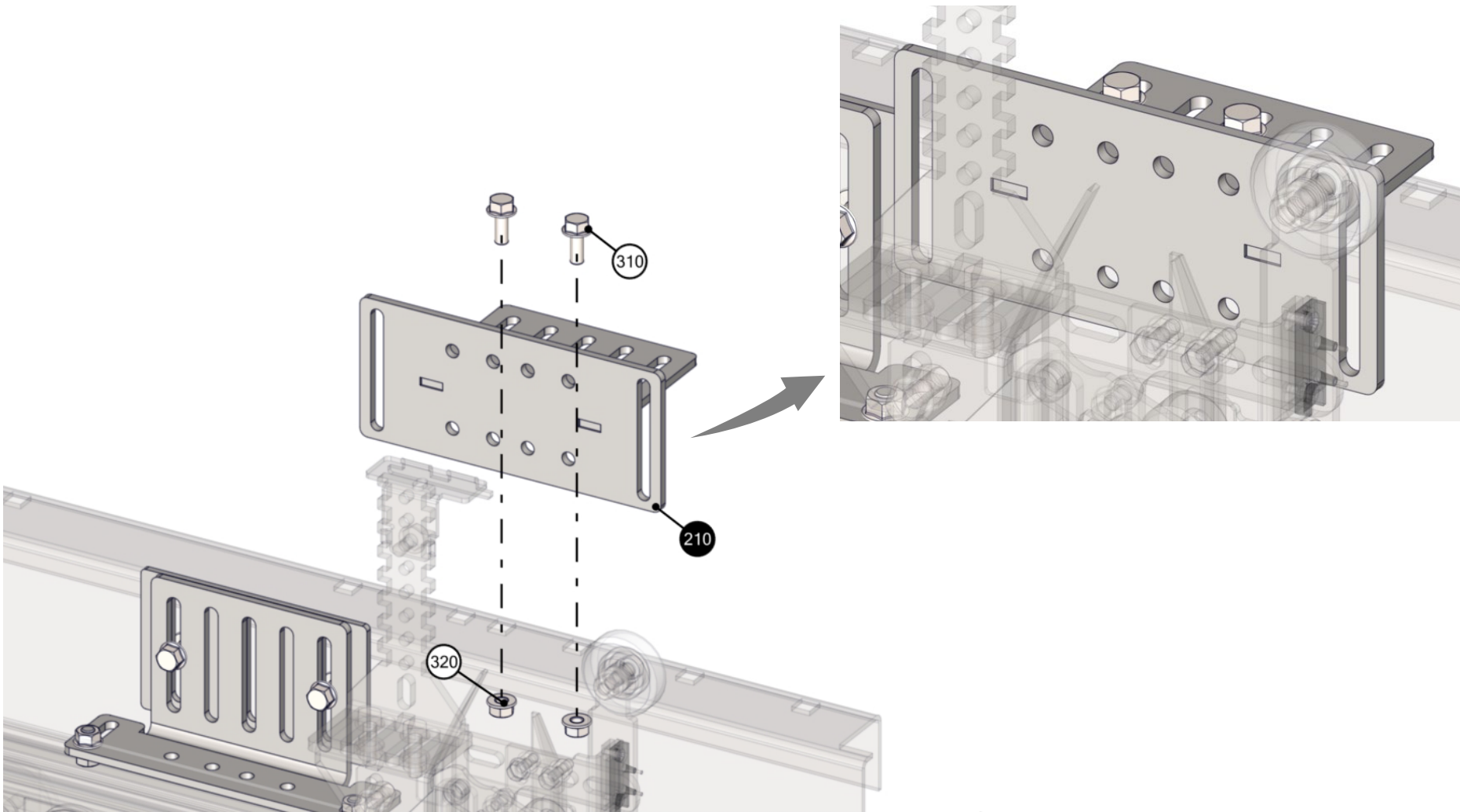
Pos.	Number	Description DE	Description EN	Menge
210	01.20.60037	Halterung Puffer Standardversion	bracket buffer, standard version	1
220	01.20.60060	TSG Kombiwinkel, Ausführung "Hut", für TSG Motor oder Umlenkrad	TSG universal bracket, version "hat"	1
230	01.20.92010	Montageplatte für Kombiwinkel Hut, rechtwinkelig	fixing plate for combi bracket 'hat', rectangular	1
310	01.36.00720	Sperrzahnsschraube WN0274 A2C 8.8 - M8x20	hexagon head serrated screw WN0274 A2C 8.8 - M8x20	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	01.36.00138	Sperrzahnsschraube WN0274 A2C 8.8 - M6x16	hexagon head serrated screw WN0274 A2C 8.8 - M6x16	4
340	01.36.00430	Sechskantmutter ISO 4032 - M8 - 8.vz	hexagon nut DIN934-8 vz 8.8 - M8	2
350	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	2
360	01.36.00121	Sechskantdistanzmuffe vz 8.8 - M8x40	hexagonal spacer sleeve vz 8.8 - M8x40	1
410	01.20.91120	Gummi Metall Puffer 30x15, M8x20 Gewindebolzen	rubber-metal bump stop D30x15, threaded stud M8x20, 75 Shore	1
420	08.20.40001.X1	TSG 400 Antrieb Rechts	motor large right & gearbox, 24V/4,9A/1:15	1



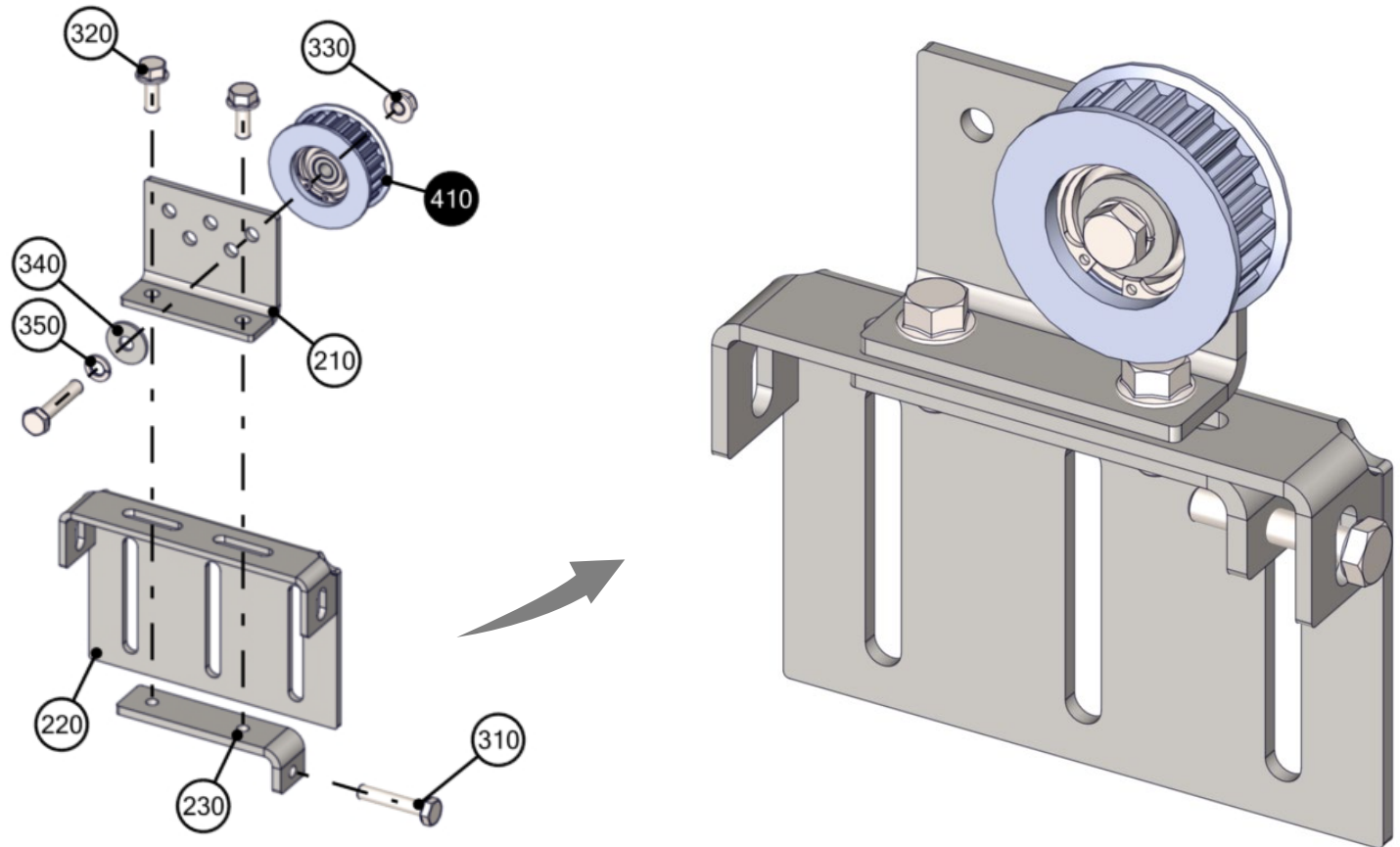
Pos.	Number	Description DE	Description EN	Menge
310	01.36.00720	Sperrzahnschraube WN0274 A2C 8.8 - M8x20	hexagon head serrated screw WN0274 A2C 8.8 - M8x20	2
320	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	2

Montage Umlenkrolle – assembly of the counter roller

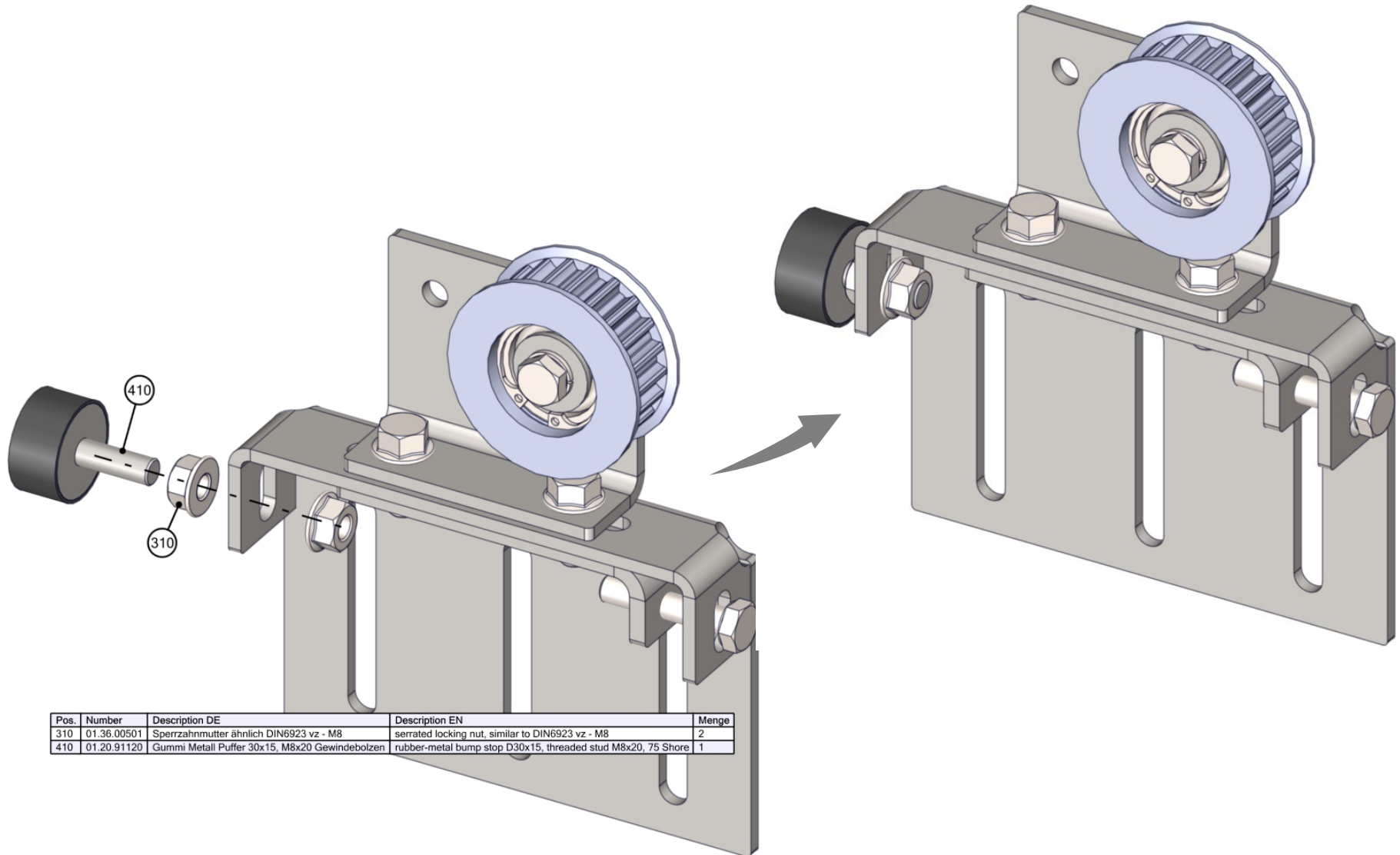




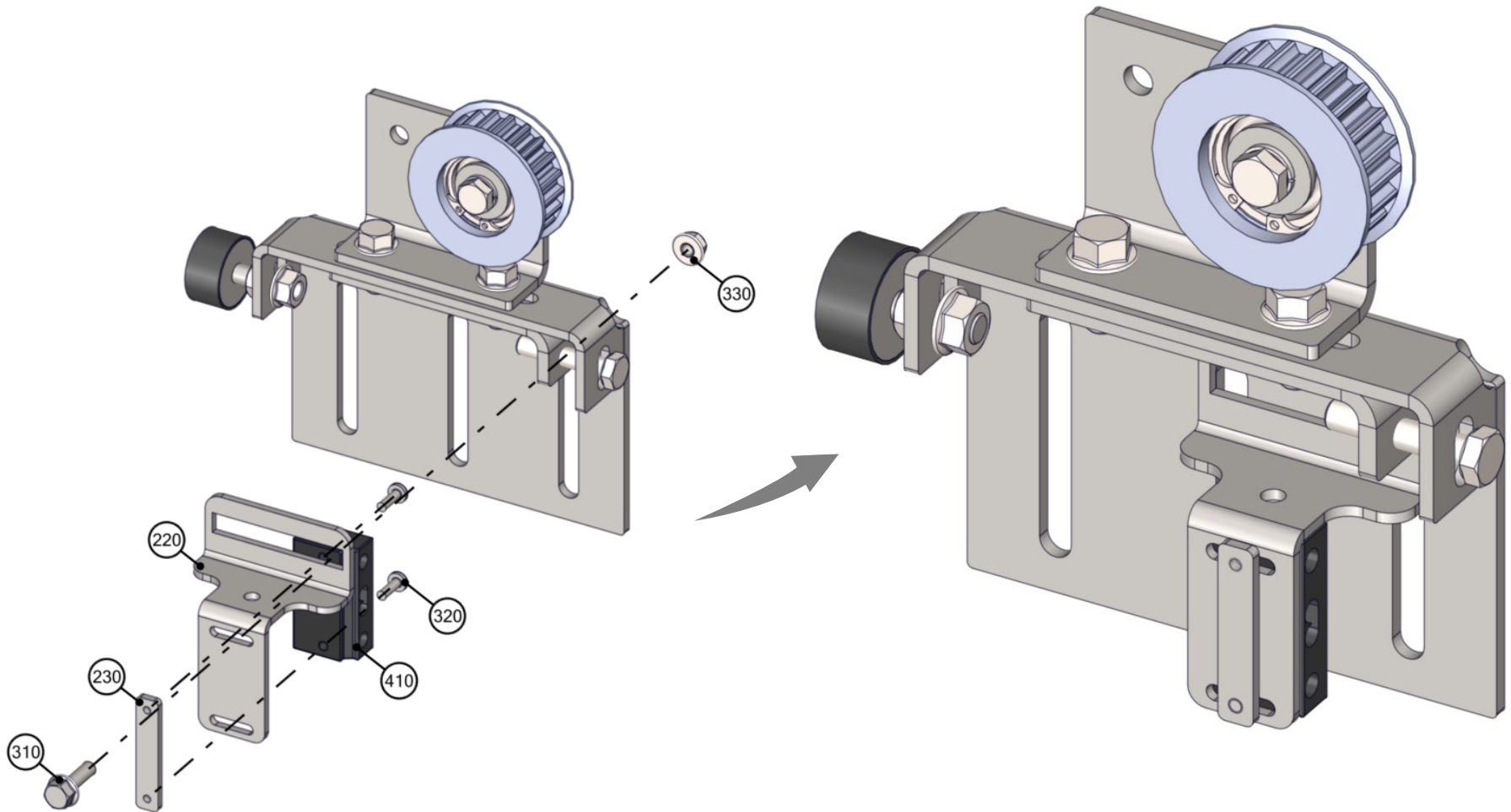
Pos.	Number	Description DE	Description EN	Menge
210	01.20.92010	Montageplatte für Kombiwinkel Hut, rechtwinkelig	plate for combi bracket 'hat', rectangular	1
310	01.36.00720	Sperrzahnschraube WN0274 A2C 8.8 - M8x20	hexagon head serrated screw WN0274 A2C 8.8 - M8x20	2
320	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	2



Pos.	Number	Description DE	Description EN	Menge
210	01.20.60013	Halterung Umlenkrolle für Spannstation	TSG bracket for counter roller	1
220	01.20.60070	Winkel für Spannstation schmale Ausführung	TSG universal bracket counter side, slim design (35mm)	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	2
320	01.36.00720	Sperrzahnschraube WN0274 A2C 8.8 - M8x20	hexagon head serrated screw WN0274 A2C 8.8 - M8x20	2
330	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	1
340	01.36.00450	Kotflügelscheibe DIN522 vz - 8,4x20x1,25	wing repair washer DIN522 vz - 8,4x20x1,25	1
350	01.36.00169	Federring DIN127 vz - M8	lock washer DIN127 vz - M8	1
410	01.20.60003	Tüte Umlenkrad	bag counter roller	1

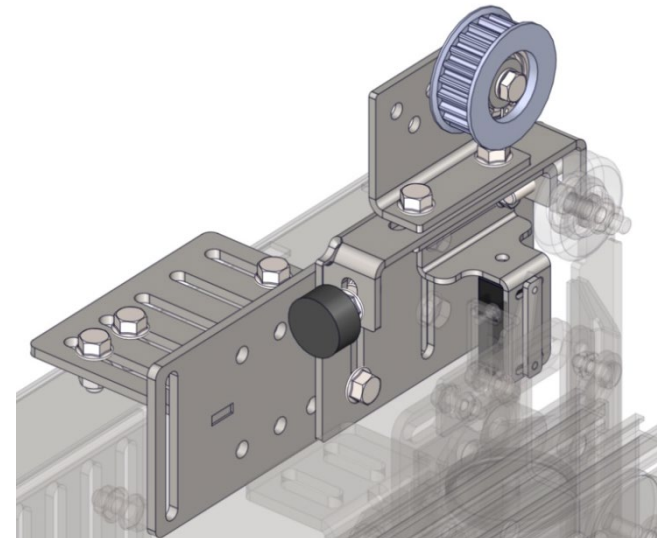
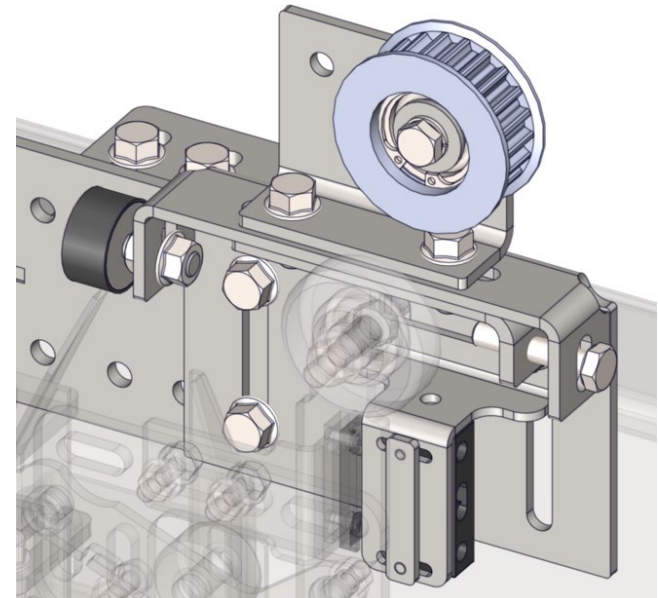
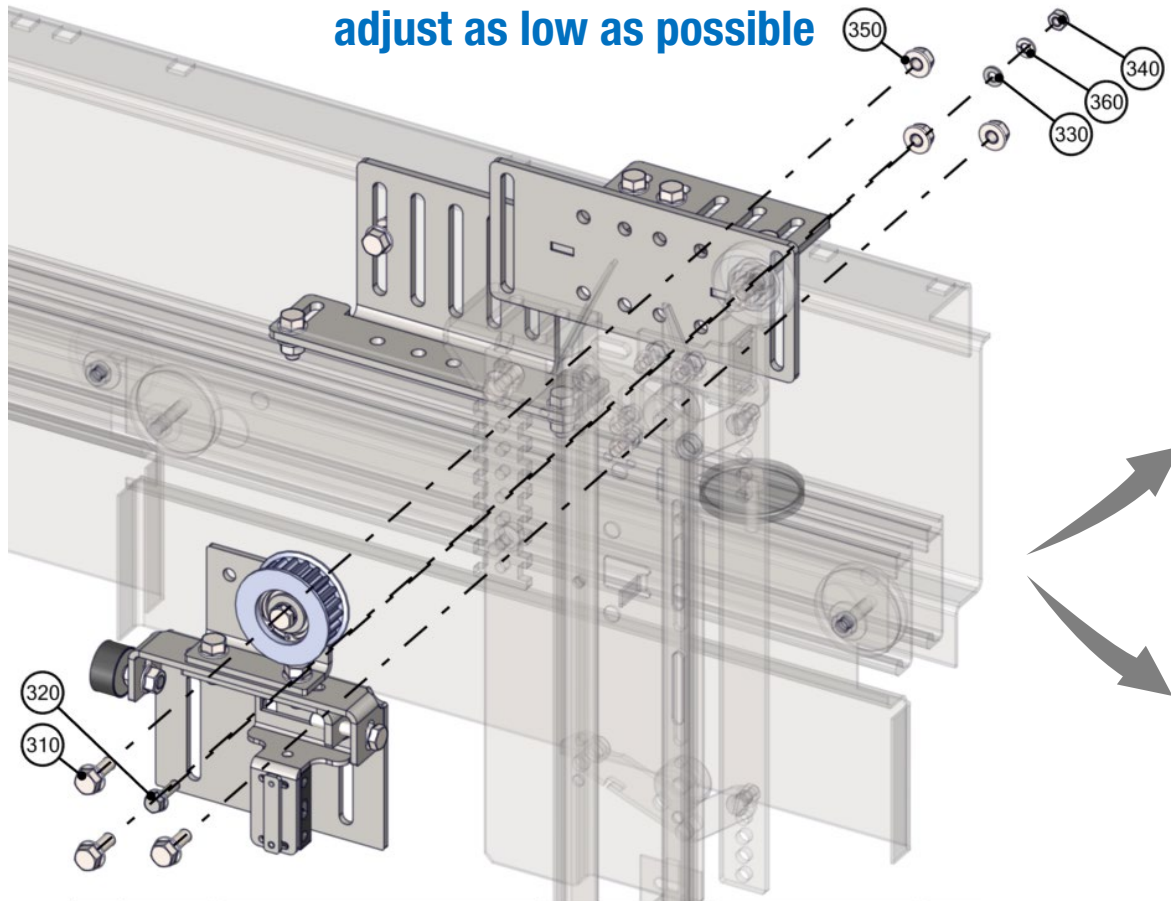


Pos.	Number	Description DE	Description EN	Menge
310	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	2
410	01.20.91120	Gummi Metall Puffer 30x15, M8x20 Gewindebolzen	rubber-metal bump stop D30x15, threaded stud M8x20, 75 Shore	1



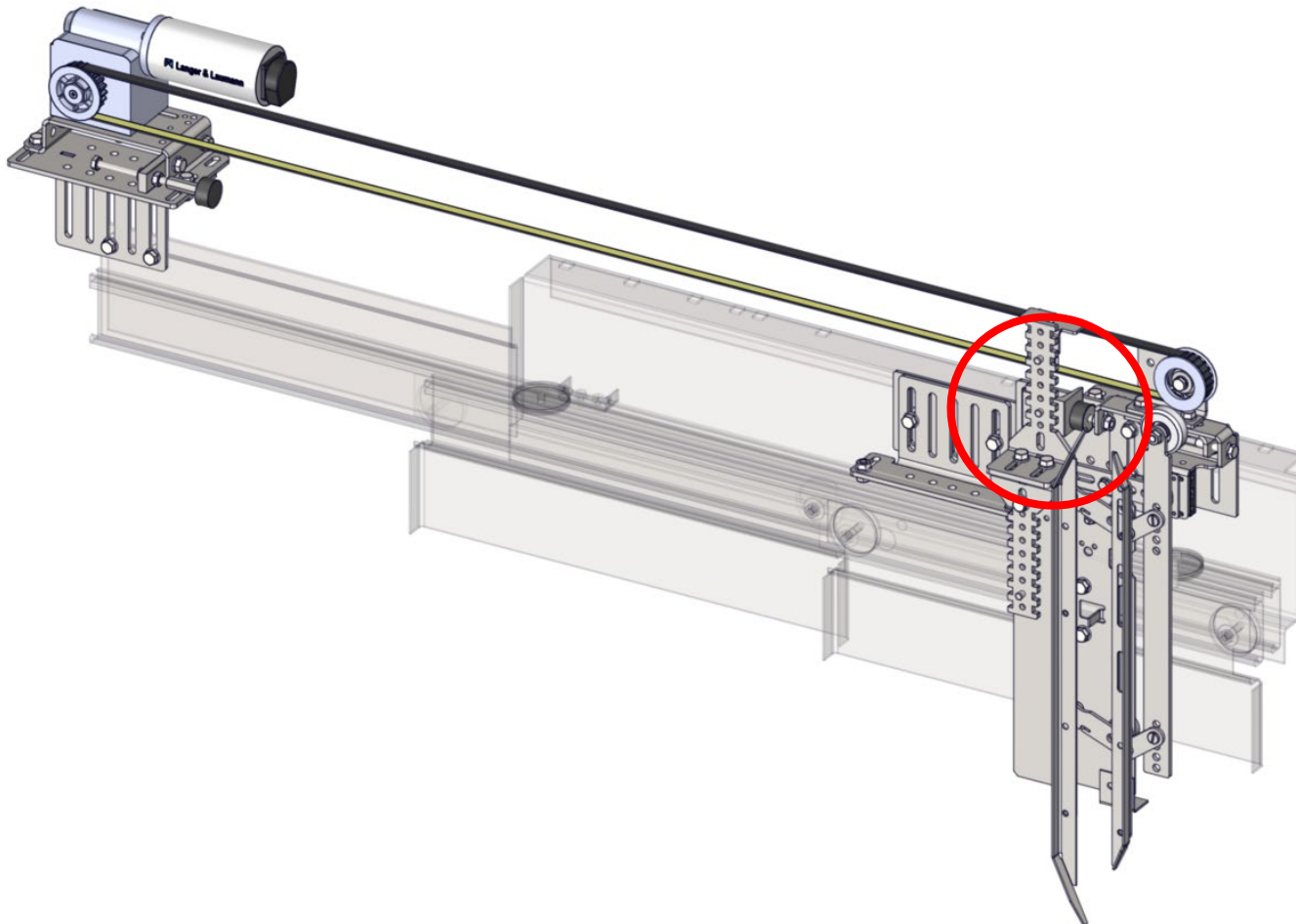
Pos.	Number	Description DE	Description EN	Menge
220	01.14.20215	Halter für Endschalter	holder for limit switch	1
230	01.14.20220	Gewindeplatte für Halter für Endschalter AZ 061K	threaded plate for limit switch AZ 061K	1
310	01.36.05600	Sperrzahnschraube M6x20, V4A, DIN 6921	hexagon head serrated screw DIN6921 V4A - M6x20	1
320	01.36.00014	Flachkopfschraube DIN7985 vz 4.8 - M4x12	pan head screw DIN7985 vz 4.8 - M4x12	2
330	01.36.00502	Sperrzahnmutter, ähnlich DIN6923 vz - M6	ribbed nuts, similar to DIN6923 vz - M6	1
410	01.14.20210	Zwangstürkontakt ohne Betätiger, AZ061K	positive-operation door contact without actuator	1

**So niedrig wie möglich
einstellen –
adjust as low as possible**



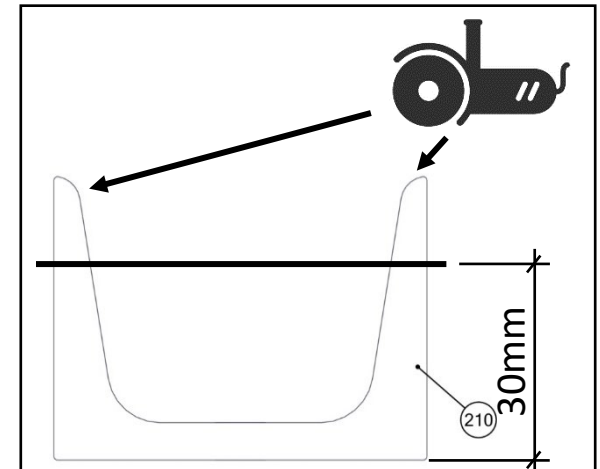
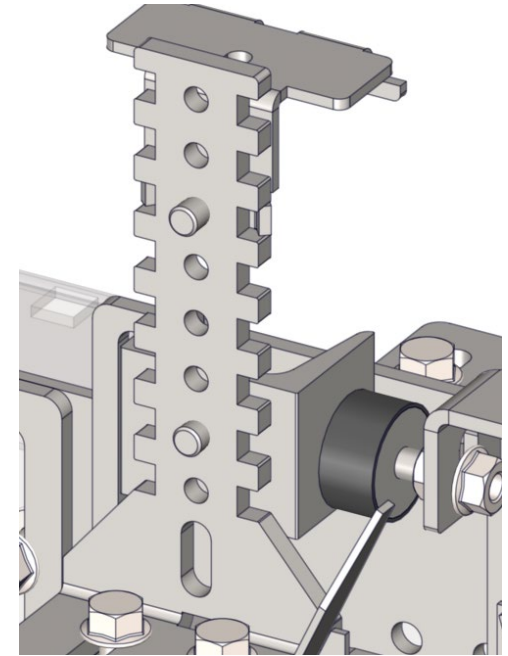
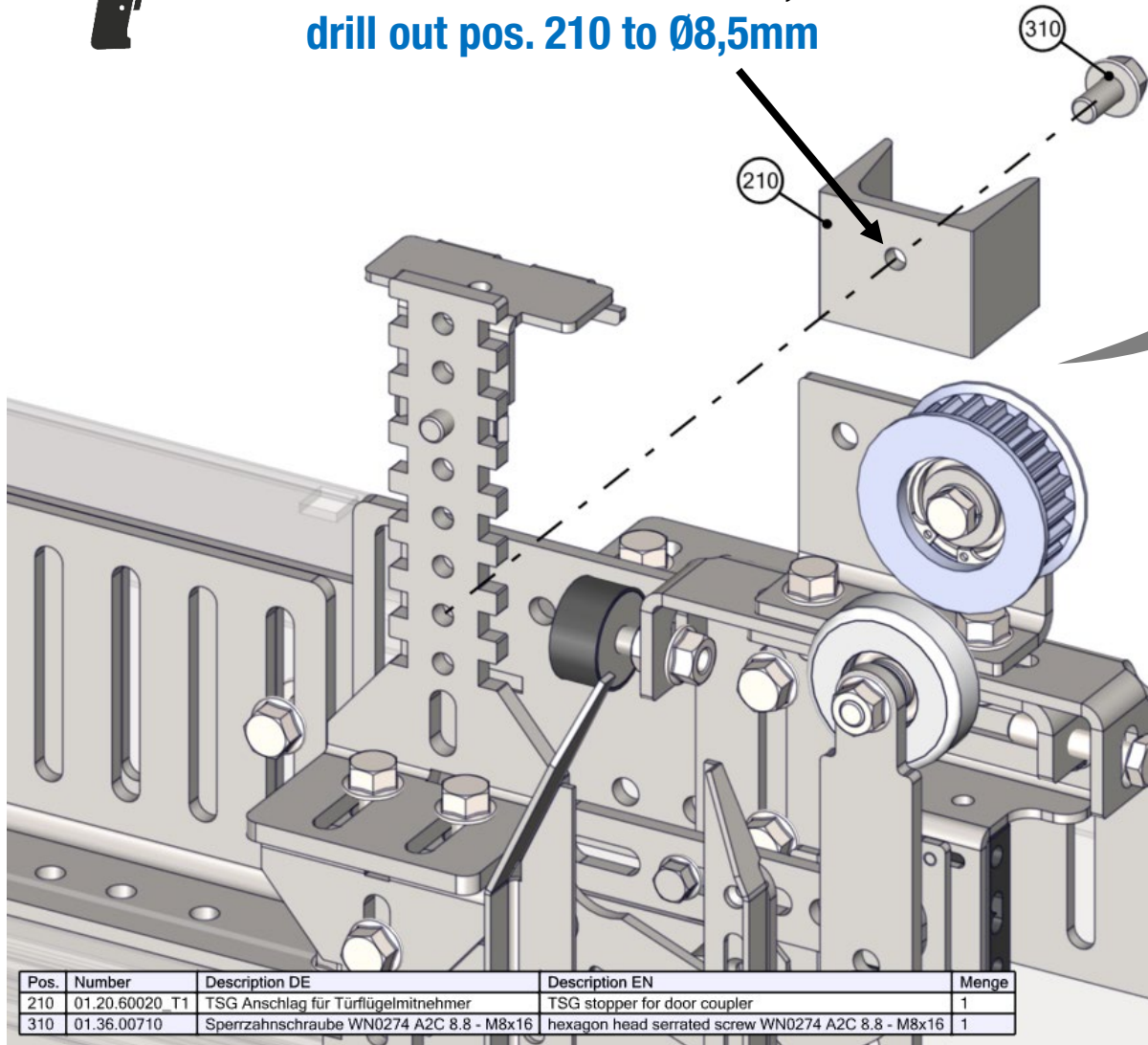
Pos.	Number	Description DE	Description EN	Menge
310	01.36.00720	Sperrzahnschraube WN0274 A2C 8.8 - M8x20	hexagon head serrated screw WN0274 A2C 8.8 - M8x20	3
320	01.36.05600	Sperrzahnschraube M6x20, V4A, DIN 6921	hexagon head serrated screw DIN6921 V4A - M6x20	1
330	01.36.05611	Unterlegscheibe, 12 x 6,4 ISO 7089(DIN125)	washer, 12 x 6,4 ISO 7089(DIN125)	1
340	01.36.00200	Sechskantmutter DIN934-8 vz 8.8 - M6	hexagon nut DIN934-8 vz 8.8 - M6	1
350	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	3
360	01.36.00171	Federring DIN127-A6-FSt	lock washer DIN127 vz - M6	1

Montage Anschlag – assembly of the TSG stopper



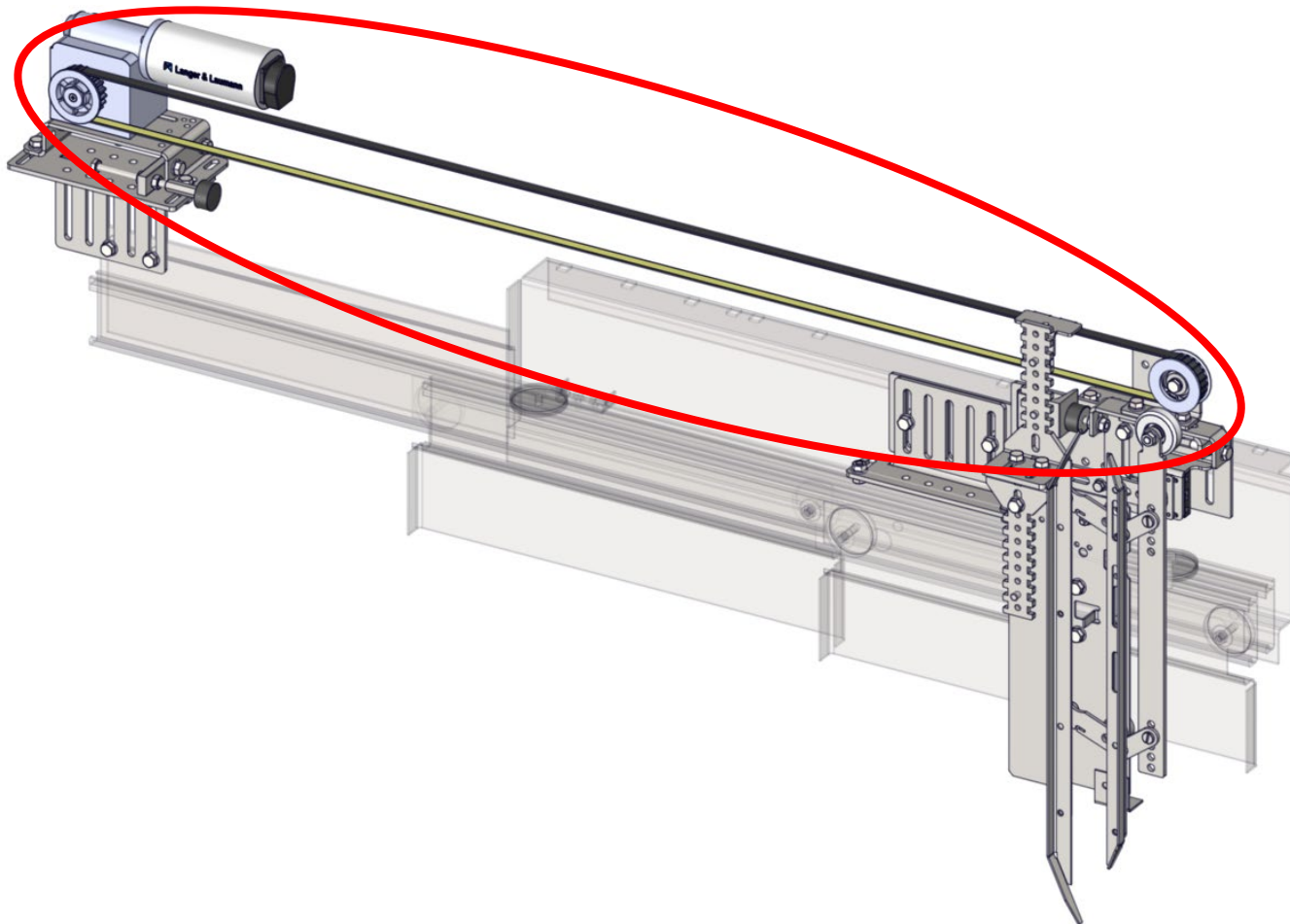


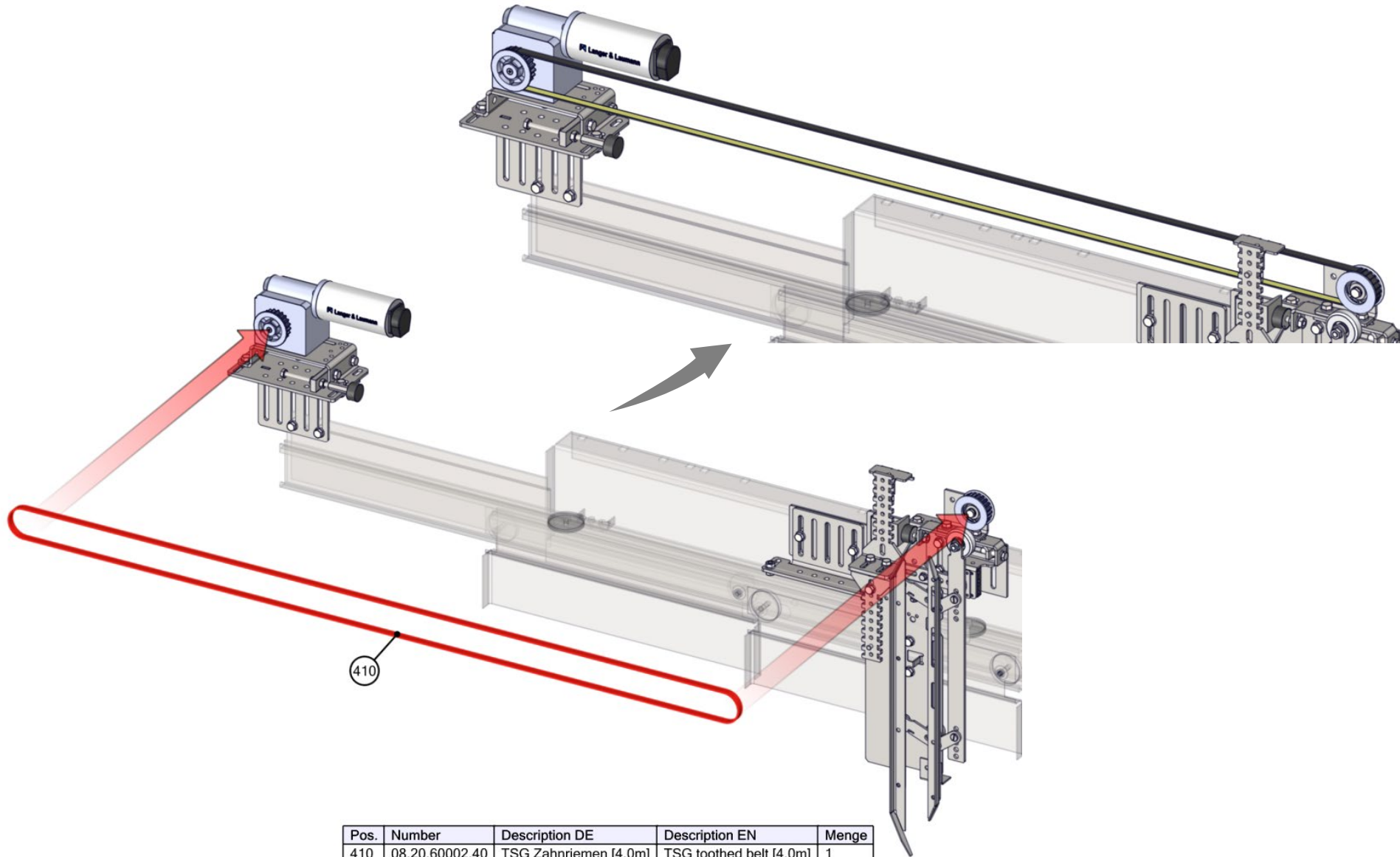
**Pos. 210 aufbohren auf Ø8,5mm –
drill out pos. 210 to Ø8,5mm**

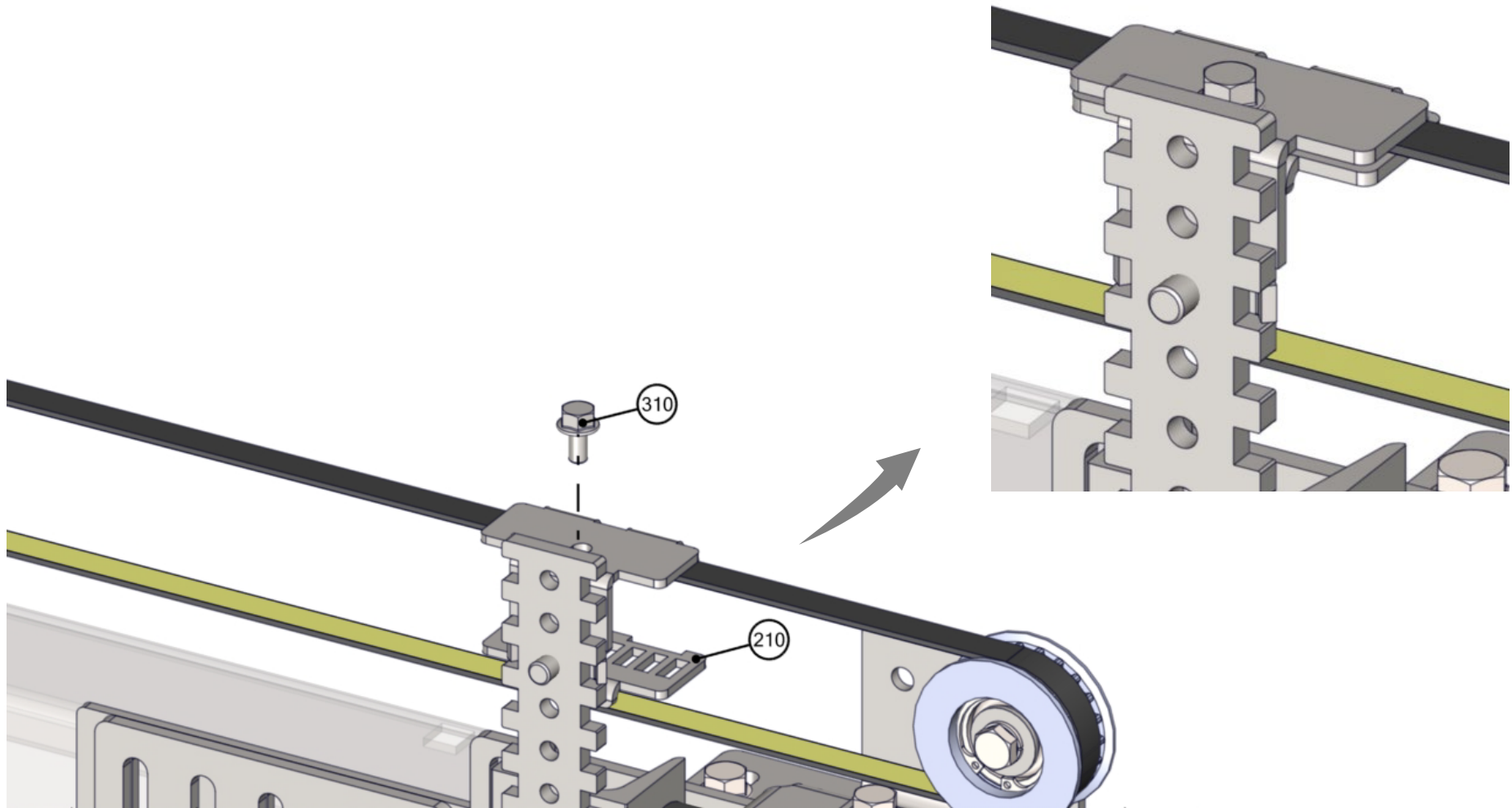


Pos.	Number	Description DE	Description EN	Menge
210	01.20.60020 T1	TSG Anschlag für Türflügelmitnehmer	TSG stopper for door coupler	1
310	01.36.00710	Sperrzahnschraube WN0274 A2C 8.8 - M8x16	hexagon head serrated screw WN0274 A2C 8.8 - M8x16	1

Montage Zahnriemen – assembly of the toothed belt

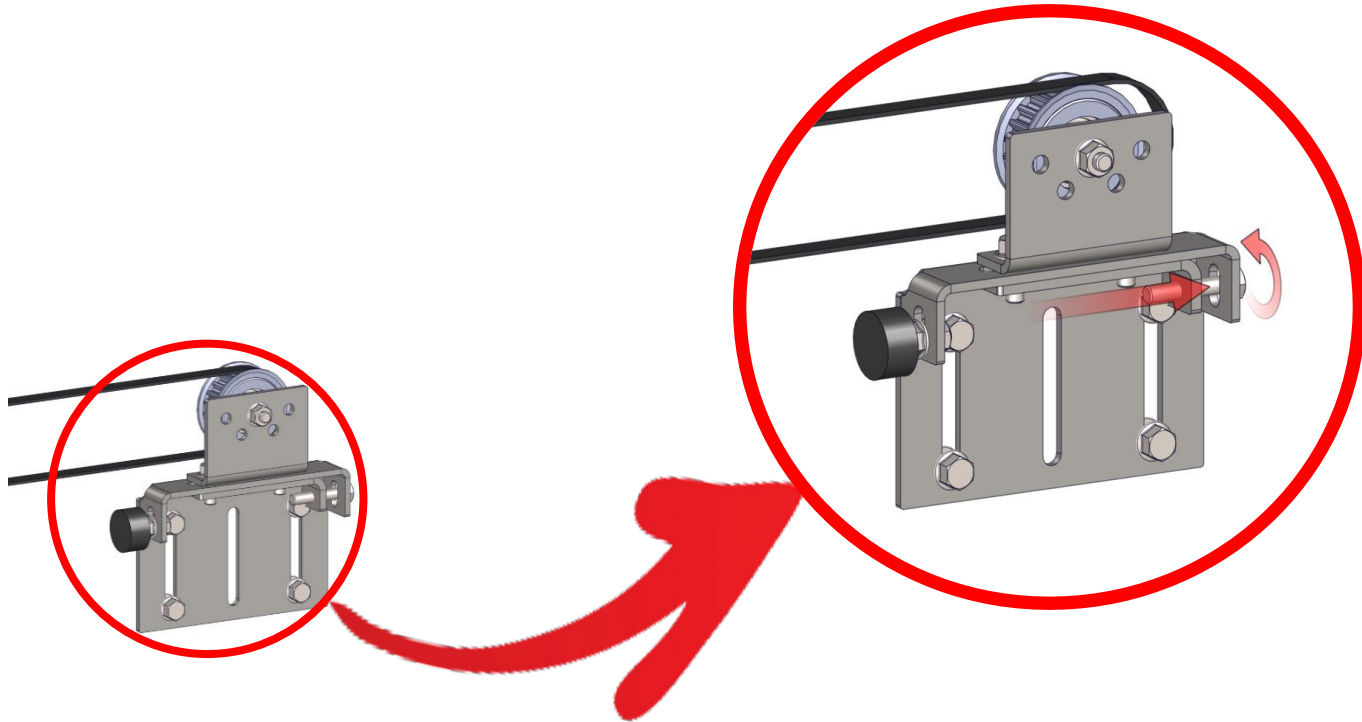


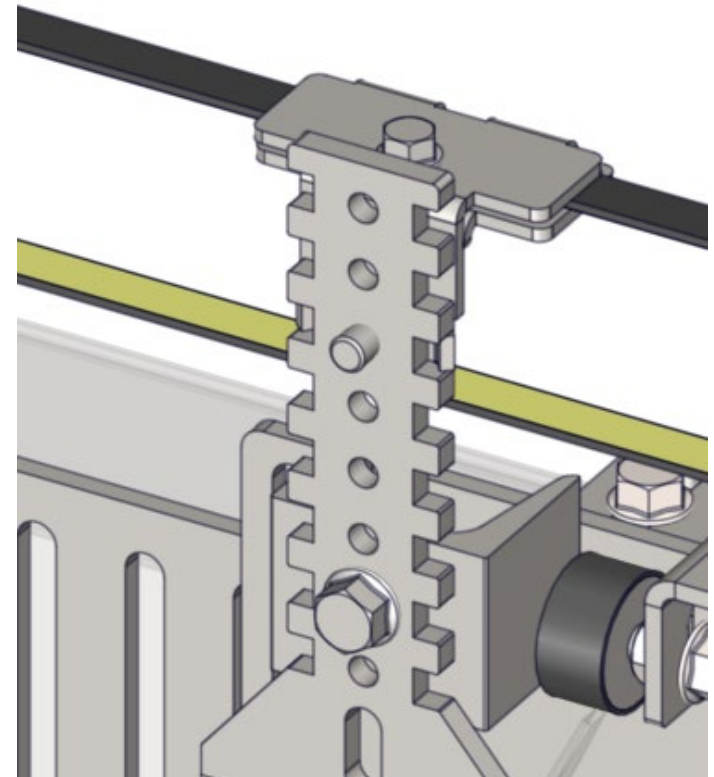
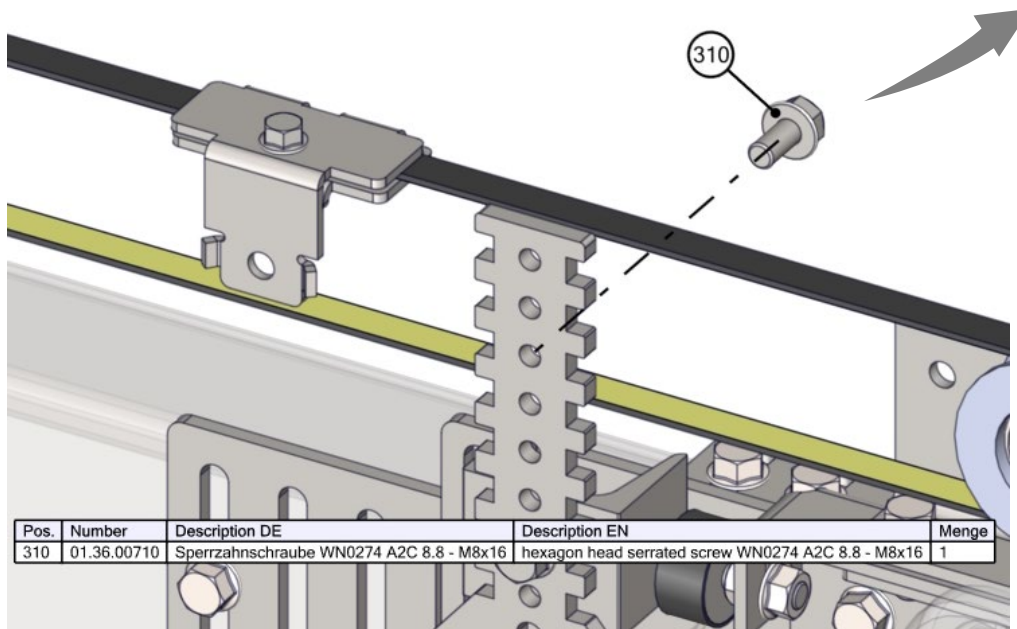




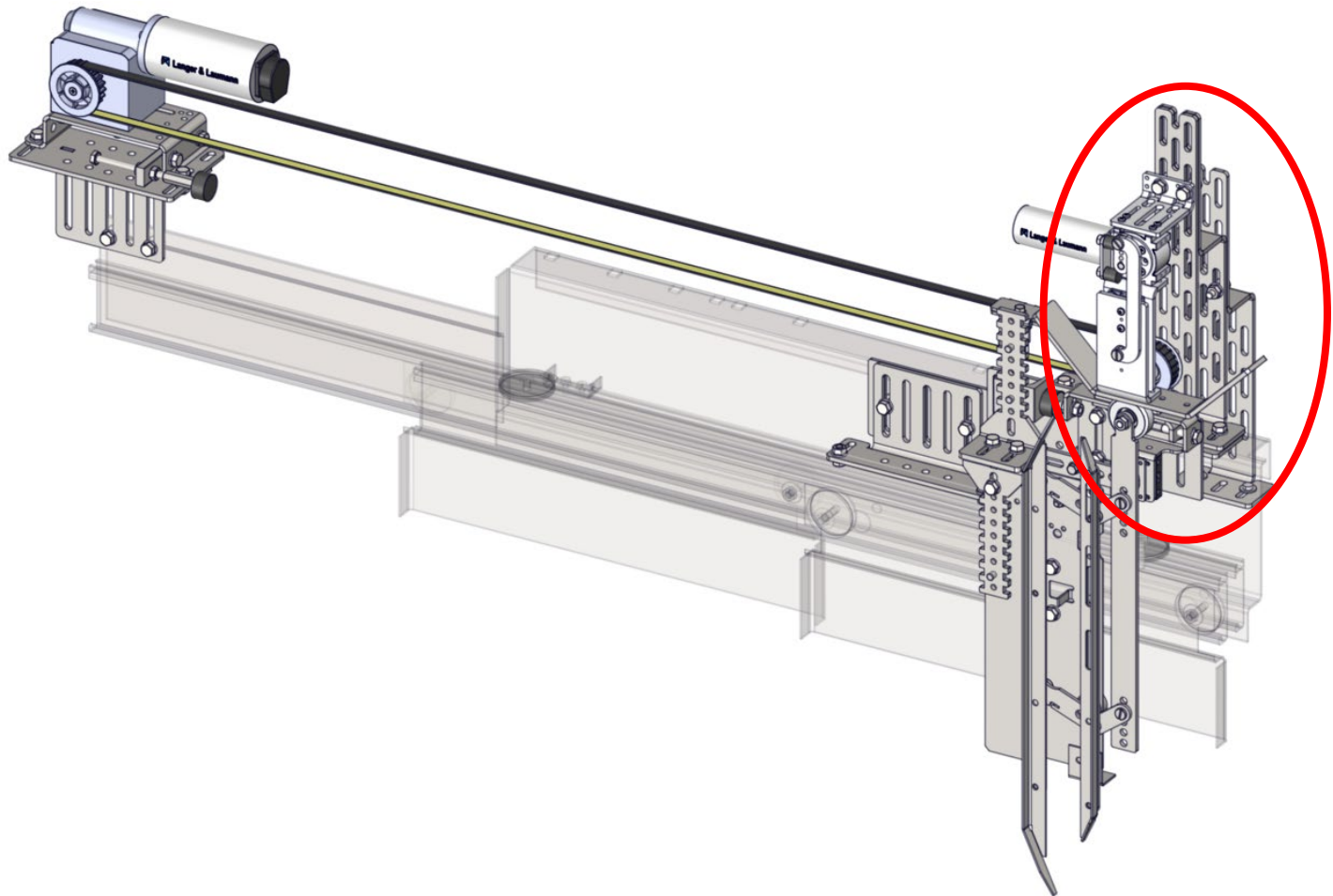
Pos.	Number	Description DE	Description EN	Menge
210	01.20.60005	TSG Zahnriemenschluss, Stahl, Klemmplatte-T2	TSG toothed belt lock, steel, clamp plate- p2	1
310	01.36.00135	Sperrzahnschraube DIN 6921 M6x12 verz.	hexagon head serrated screw WN0274 A2C 8.8 - M6x12	1

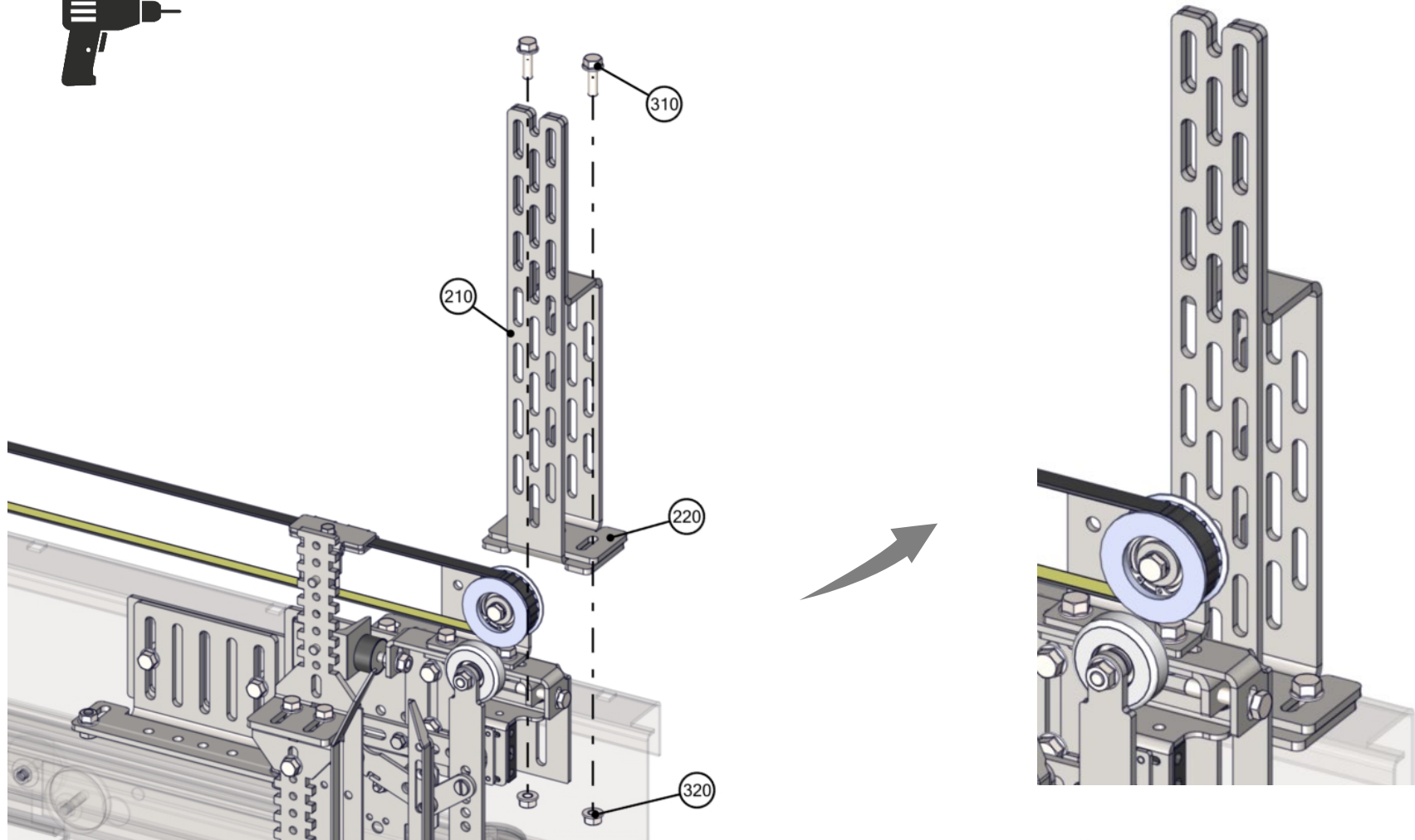
Zahnriemen spannen (Beispielbild) – tensioning toothed belt (example image)





Montage Sinusantrieb – assembly of the sinus drive

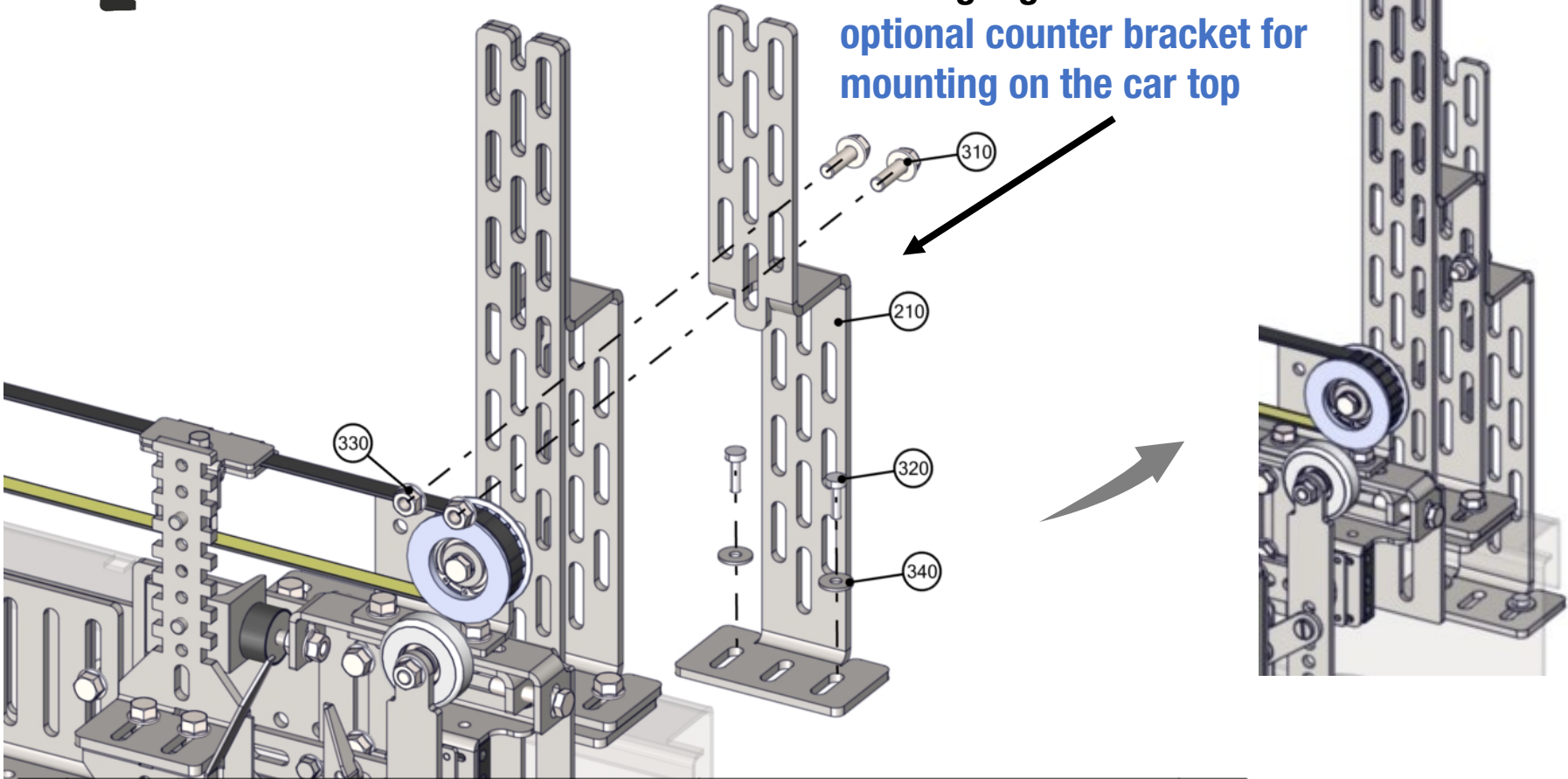




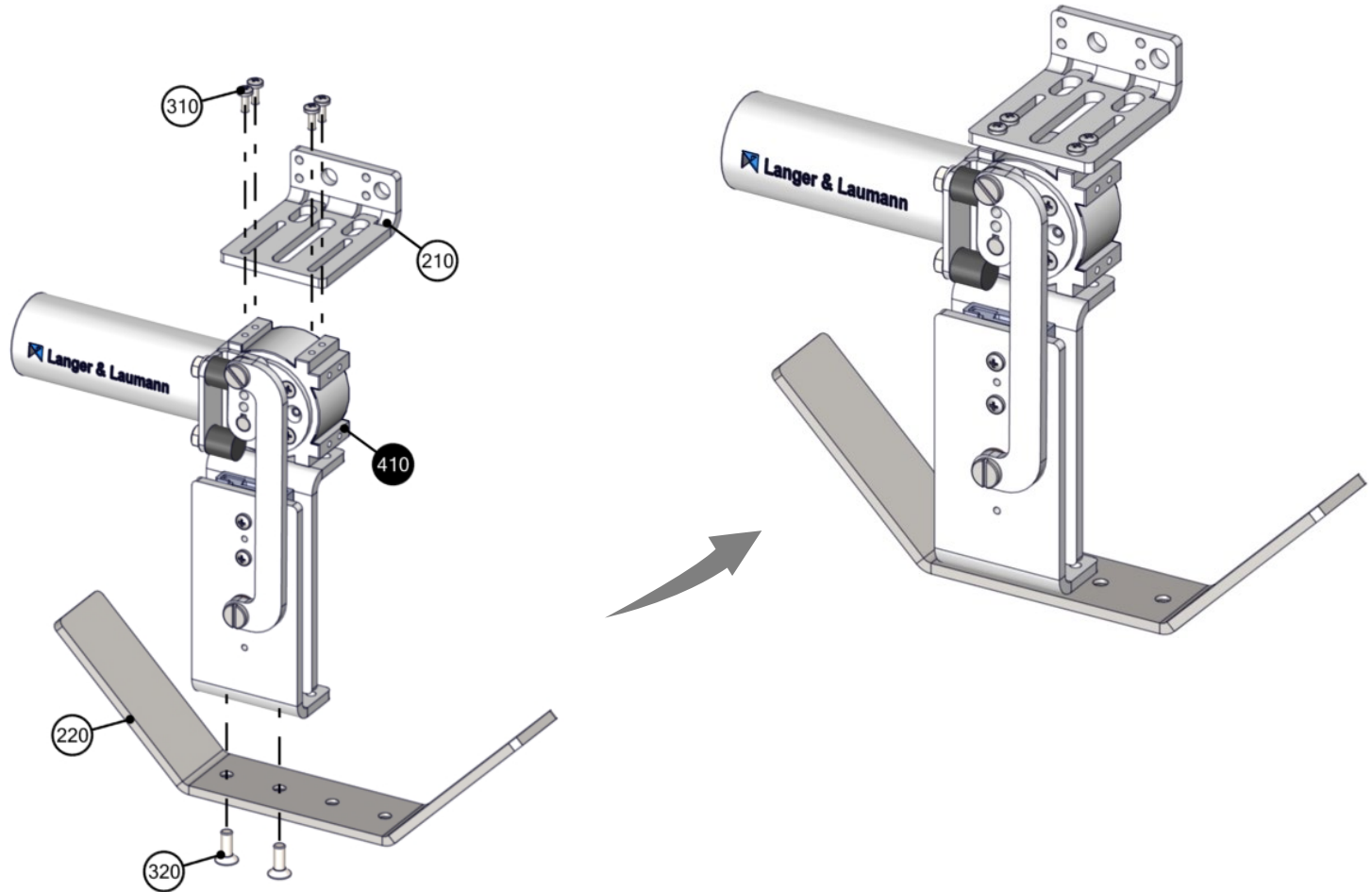
Pos.	Number	Description DE	Description EN	Menge
210	01.20.94100	Winkel zur Befestigung an Türmaschine für TSG Sinus Hubantrieb	bracket for mounting at door mashine for TSG Sinus Drive	1
220	01.20.94101	Gegenwinkel zur Befestigung an Türmaschine für TSG Sinusantrieb	counter bracket for fixing at door machine for TSG Sinus Drive	1
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



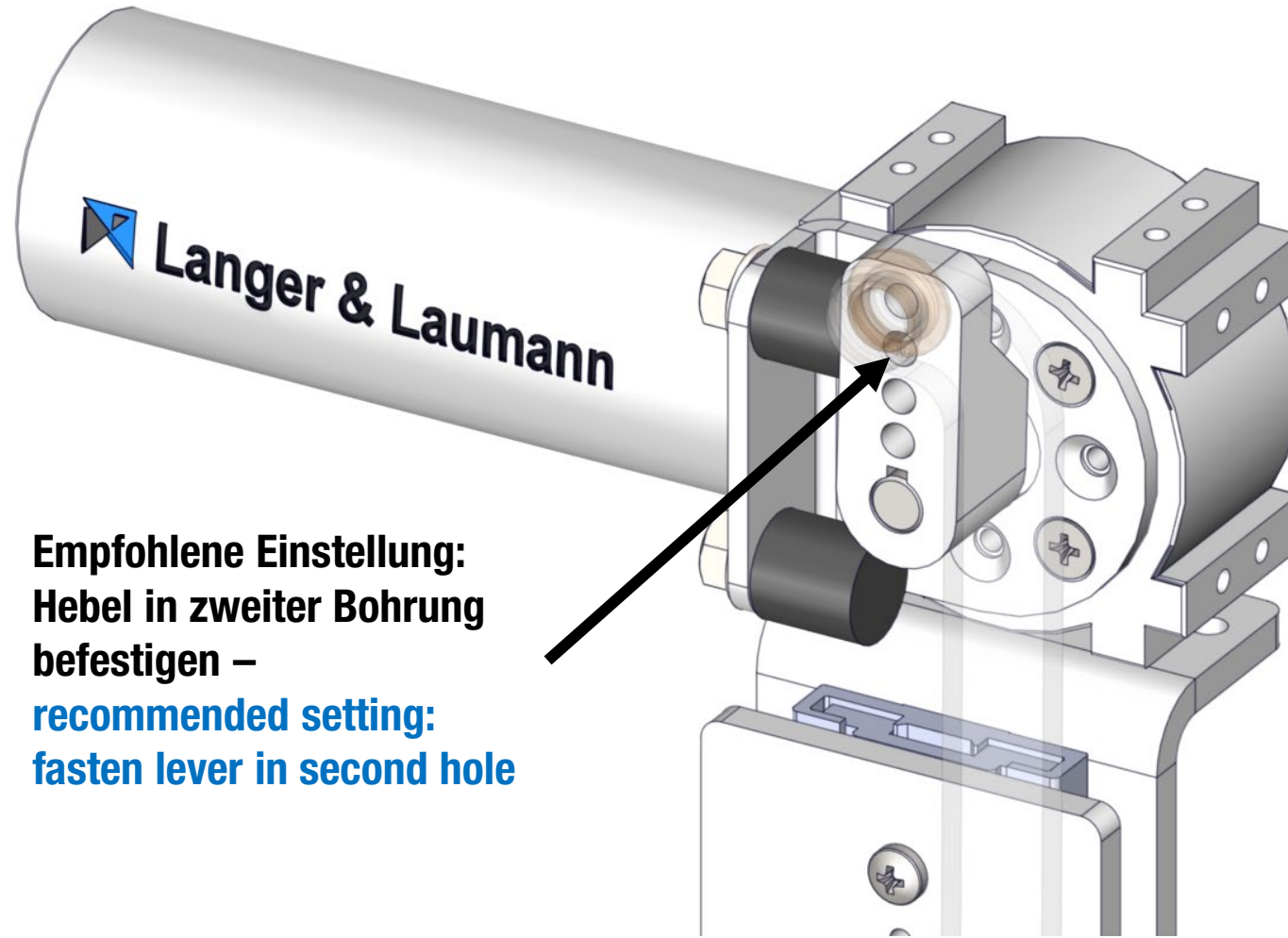
**optionaler Gegenwinkel zur
Befestigung am Fahrkorbdach –**
**optional counter bracket for
mounting on the car top**



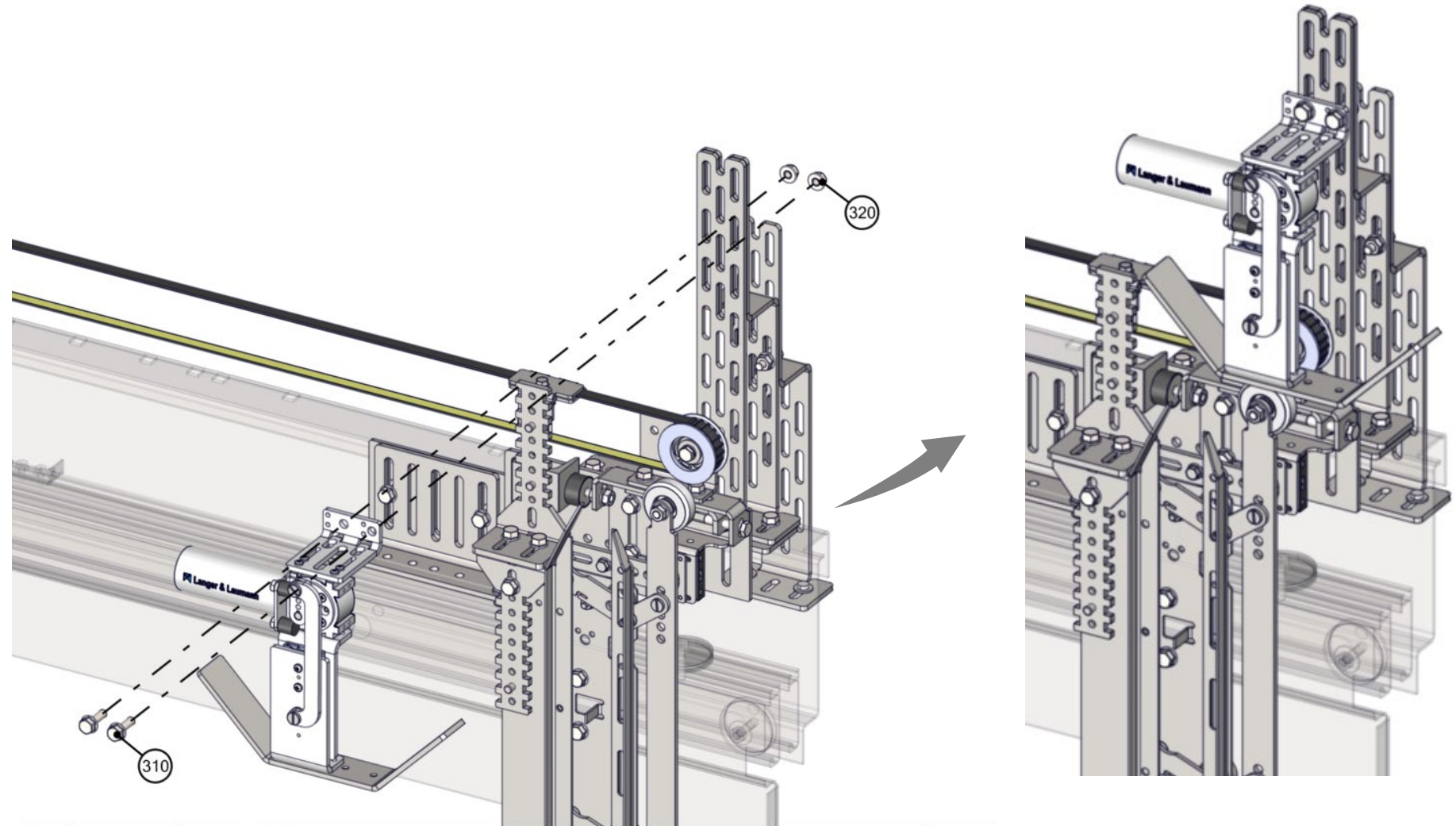
Pos.	Number	Description DE	Description EN	Menge
210	01.20.94101	Gegenwinkel zur Befestigung an Türmaschine für TSG Sinusantrieb	counter bracket for fixing at door machine for TSG Sinus Drive	1
310	01.36.00725	Sperrzahnschraube DIN 6921 M8x25, 8.8, vz	hexagon head serrated screw DIN 6921 M8x25, 8.8, vz	2
320	01.36.01055	Bohrschraube Pias vz 5,5x19, Linsenkopf AW20 Torx	self-drilling screw Pias vz 5,5x19, pan head AW20 Torx	2
330	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	2
340	01.36.05610	Unterlegscheibe 18 x 6,4 V4A DIN9021	washer with large outside diameter DIN9021 V4A - 18x6,4	2



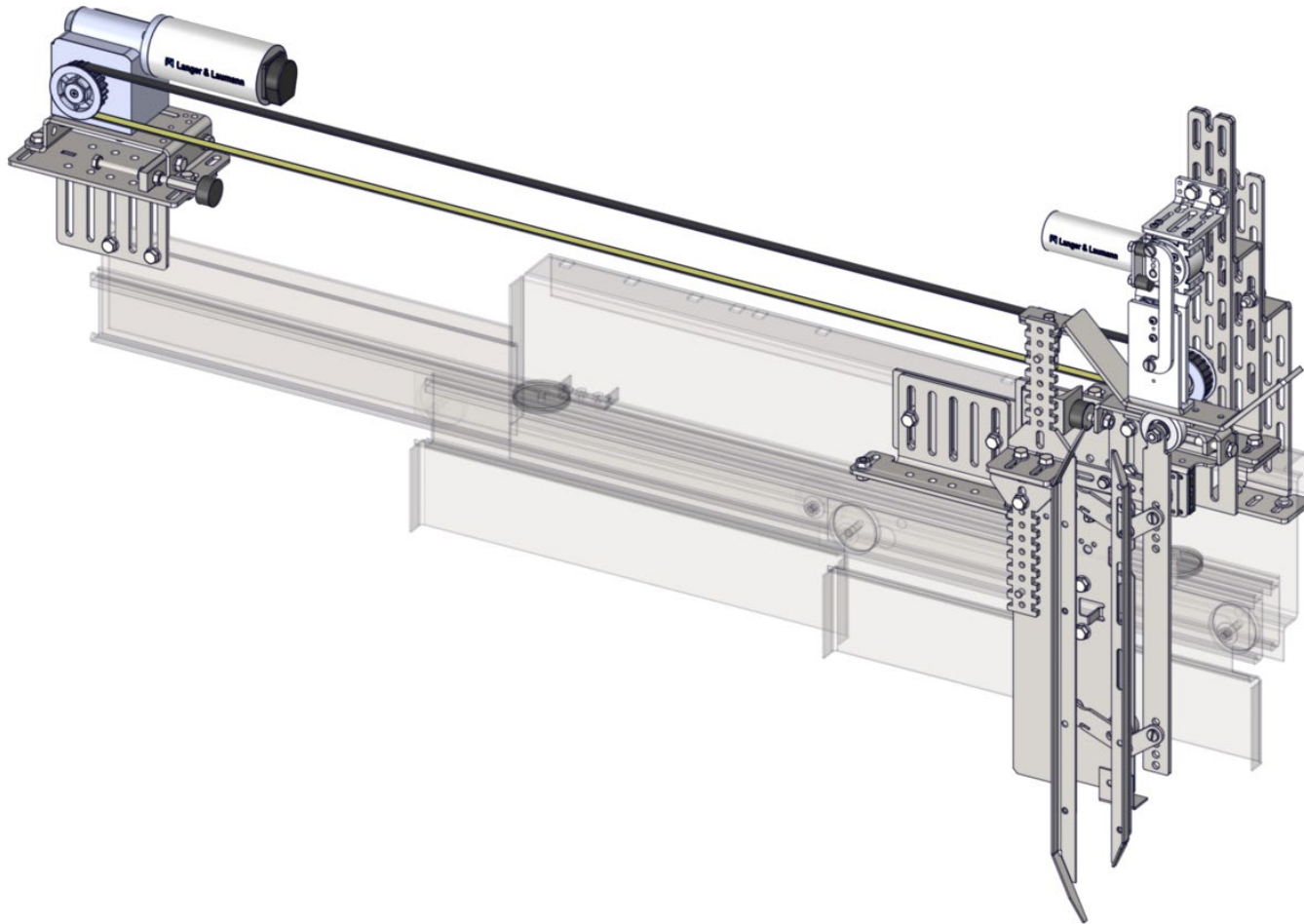
Pos.	Number	Description DE	Description EN	Menge
210	01.20.94050	Haltewinkel für TSG Sinusantrieb	Mounting bracket for TSG Sinus Drive	1
220	01.20.94115	Kurve Rollenbetätigung (zweiseitig) für TSG Sinus Hubantrieb	curve roller actuation (double sided) for TSG Sinus Drive	1
310	01.36.00003	Flachkopfschraube vz 4,8 7985 4x10	pan head screw DIN7985 vz 4.8 - M4x10	4
320	01.36.00360	Senkkopfschraube mit Innensechskant DIN7991 vz 8.8 - M6x16	countersunk head screw w.recessed head DIN7991 vz8.8 - M6x16	2
410	08.20.83111	TSG Sinusantrieb links für Riegelbetätigung (ohne TSG Elektronik)	TSG Sinus Drive left for interlock operation (without TSG electronic)	1

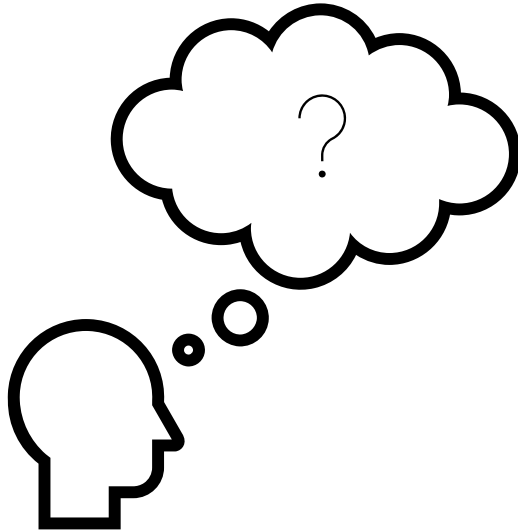


**Empfohlene Einstellung:
Hebel in zweiter Bohrung
befestigen –**
**recommended setting:
fasten lever in second hole**



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





Langer & Laumann Ingenieurbüro GmbH
Wilmsberger Weg 8
48565 Steinfurt
Germany

Tel.: +49 (2552) 92791 0

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