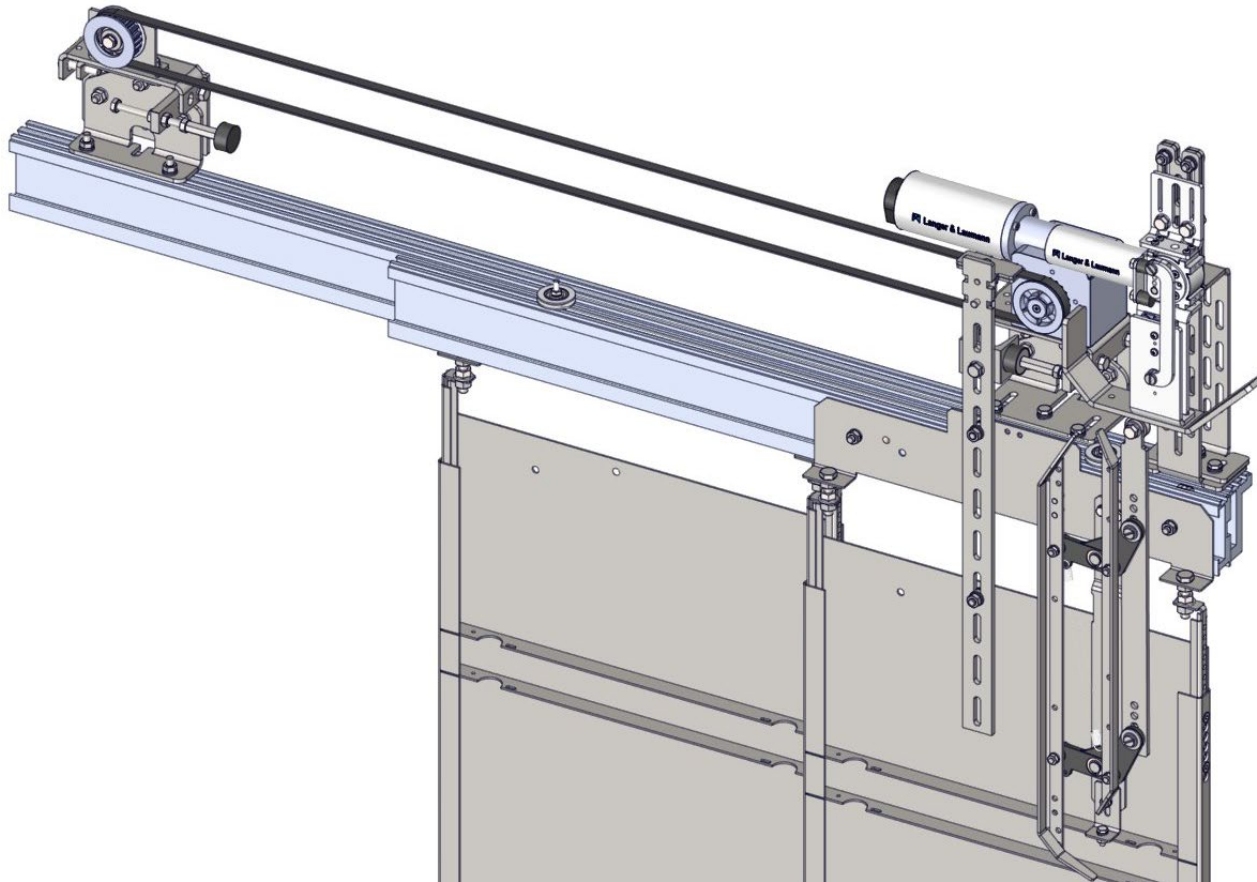


Montageanleitung **Assembly Instruction**

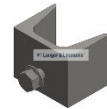
TSG in Schindler Varidor10 **mit TSG Sinusantrieb** **TSG in Schindler Varidor10** **with TSG Sinus Drive**

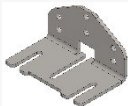
TSG in Schindler Varidor10 – TSG in Schindler Varidor10



Lieferumfang – scope of supply



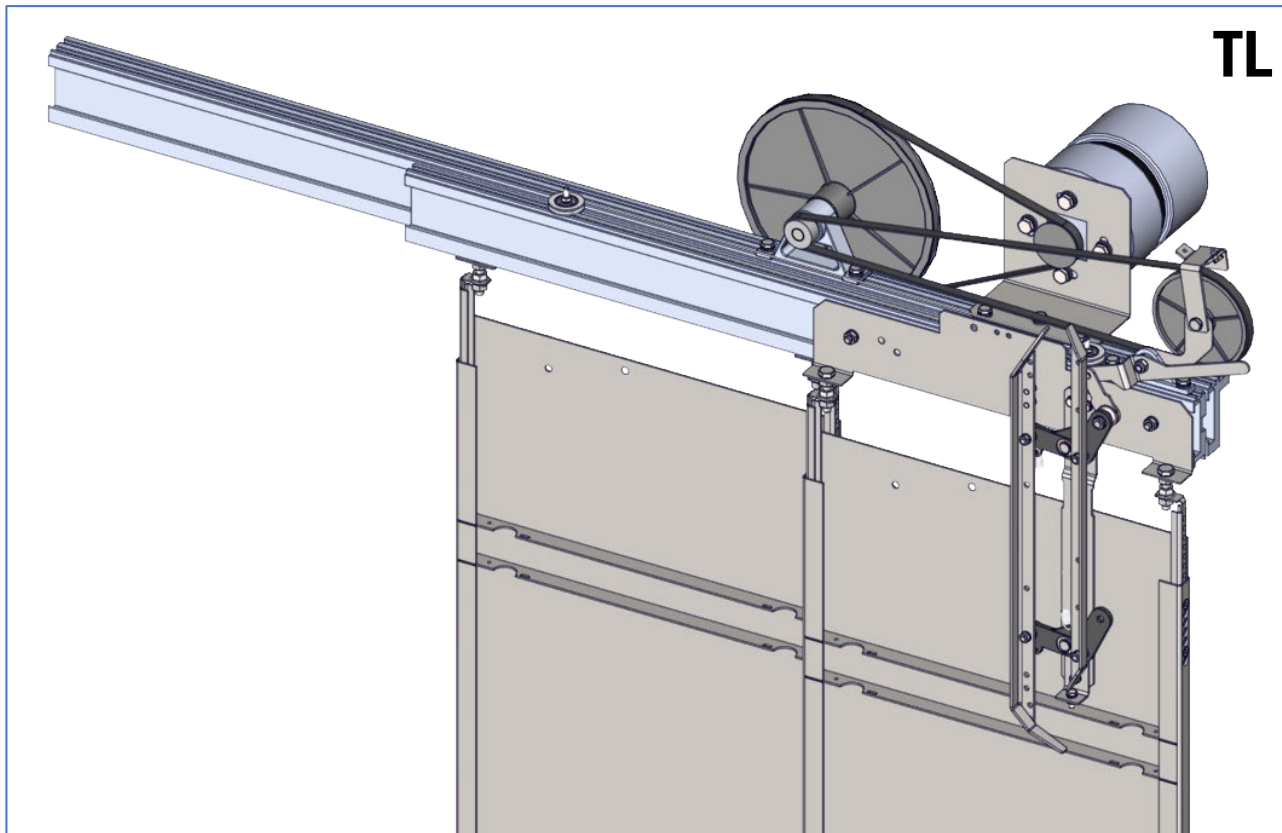
picture	Number	description DE	description EN	quantity
	8.20.00131.04	TSG V4 Lift Door Operator -Electronic extern-230[VAC]/50-60[Hz] +	TSG V4 lift door operator -electronic extern-230[VAC]/50-60	1
	8.20.4000x.X1	Motor Gross Rechts/Links Getriebe, 24V/5,1A/1:15	motor large right/left & gearbox, 24V/5,1A/1:15	1
	8.20.8311x	TSG Sinusantrieb rechts/links für Riegelbetätigung (ohne TSG Elektronik)	TSG Sinus Drive right/left for interlock operation (without TSG electronic)	1
	1.20.60020	TSG Anschlag für Türflügelmitnehmer	TSG stopper for door coupler	1
	1.20.94125	Kurve Rollenbetätigung (zweiseitig) für TSG Sinusantrieb	cam roller actuation (low-sided) for TSG Sinus Drive	1
	1.20.60069	TSG Türflügelmitnehmer, extra lang (ca. 67,5cm)	TSG door panel coupler, XL (ca. 67,5cm)	1
	1.20.30627	TSG Kombiwinkel Gegenseite, schmale Bauform (Tiefe=55mm)	TSG universal bracket, counter side (small version)	1
	1.20.30628	Halterung für Kombiwinkel Gegenseite für Schindler Varidor10	holder for universal bracket for Schindler Varidor10, counter roller	1

picture	Number	description DE	description EN	quantity
	1.20.30633	Halterung Kombiwinkel in Varidor10	holder for universal bracket for Varidor10	1
	1.20.60040	TSG Kombiwinkel, Ausführung 90°, für TSG Motor oder Umlenkrad	TSG universal bracket, version 90°, for TSG motor or counter roller	1
	1.20.60030	TSG Anschlagsatz Puffer inkl. Halterung	TSG stopper kit buffer incl. holder	1
	1.20.30631	Umlenkhebel Schwert für Rolle, Schindler Varidor10	reversing lever skate for roller, Schindler Varidor10	1
	1.20.60126	Halterung Puffer für schmalen Kombiwinkel	holder bump stop for universal bracket (small version)	2
	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	1
	1.20.60005	TSG Zahnriemenschloß, Stahl	TSG toothed belt lock, steel	1
	1.20.60013	TSG Halter für Umlenkrad	TSG bracket for counter roller	1

picture	Number	description DE	description EN	quantity
	1.20.60003	TSG Umlenkrad	TSG counter roller	1
	1.20.35110	Rillenkugellager	deep groove ball bearing	1
	8.20.60002.40	TSG Zahnriemen [4,0m]	TSG toothed belt [4,0m]	1
	1.36.00176	Sechskantschraube Vollgewinde DIN933 vz 8.8 - M8x25	hexagonal bolt, thread up to head DIN933 vz 8.8 - M8x25	10
	1.36.00430	Sechskantmutter DIN934-8 vz 8.8 - M8	hexagon nut DIN934-8 vz 8.8 - M8	8
	1.36.00720	Sperrzahnschraube WN0274 A2C 8.8 - M8x20	hexagon head serrated screw WN0274 A2C 8.8 - M8x20	5
	1.36.00128	Sechskantschraube ISO4017 vz 8.8 - M8x12	hexagonal bolt ISO4017 vz 8.8 - M8x12	3
	1.36.00440	Scheibe DIN125A vz - 8,4	washer DIN125A vz - 8,4	31
	1.36.00169	Federring DIN127 vz - M8	lock washer DIN127 vz - M8	19

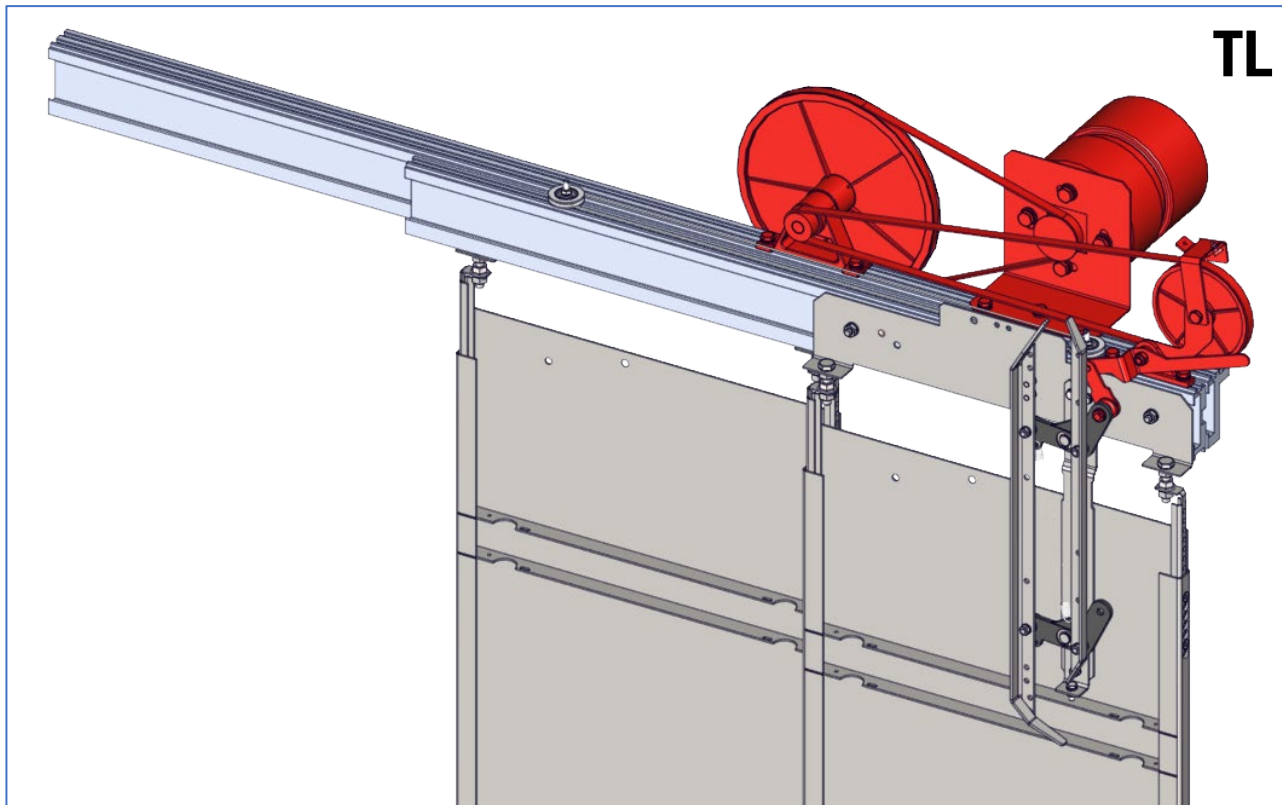
picture	Number	description DE	description EN	quantity
	1.36.02115	Sechskantschraube ISO4017 vz 8.8 - M8x16	hexagonal bolt ISO4017 vz 8.8 - M8x16	3
	1.36.02213	Senkkopfschraube mit Innensechskant DIN7991 vz 8.8 - M8x25	countersunk head screw w.recessed head DIN7991 vz8.8 - M8x25	2
	1.36.00725	Sperrzahnschraube WN0274 A2C 8.8 - M8x25	hexagon head serrated screw WN0274 A2C 8.8 - M8x25	3
	1.36.00501	Sperrzahnmutter, ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	7
	1.36.00358	Senkkopfschraube mit Innensechskant DIN7991 vz 8.8 - M6x12	countersunk head screw w.recessed head DIN7991 vz8.8 - M6x12	2
	1.36.00115	Sechskantschraube Vollgewinde DIN933 vz 8.8 - M8x40	hexagonal bolt, thread up to head DIN933 vz 8.8 - M8x40	2
	1.36.00920	Flachkopfschraube mit Schlitz und Ansatz DIN 923 vz - M6x16	slotted flat-head screw with shoulder DIN923 vz - M6x16	2
	1.36.00495	Sechskantmutter DIN985 vz 8.8 Polyamidklemmteil - M6	hexagon nut DIN985 low profile vz 8.8,w clamping piece - M6	2
	1.36.01036	Scheibe großer Durchmesser DIN9021 vz - 6,4	washer with large outside diameter DIN9021 vz - 6,4	2

Vor Umbau – before conversion



TR spiegelbildlich –
TR mirrored

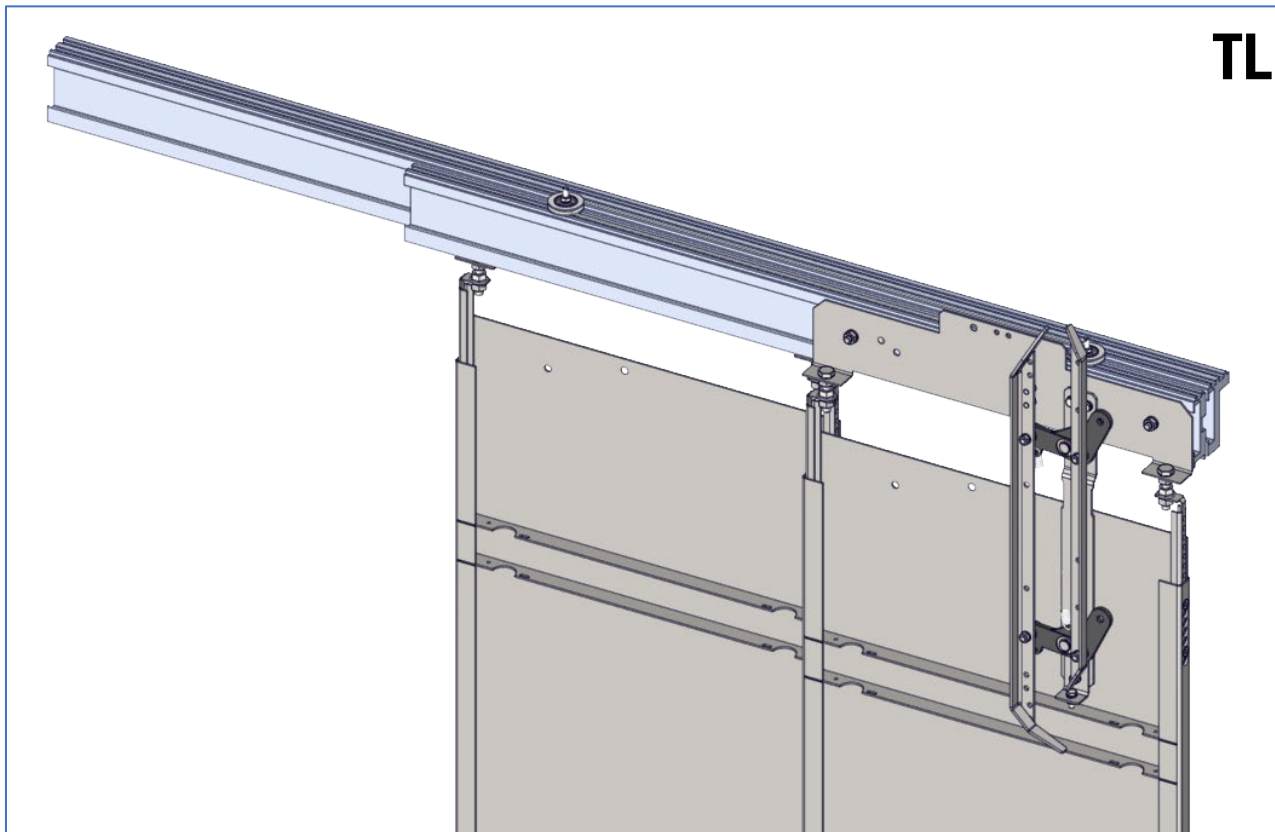
Vor Umbau entfernen – **remove before conversion**



Schwert wird für Umbau wiederverwendet –
the skate has to be converted and reassembled

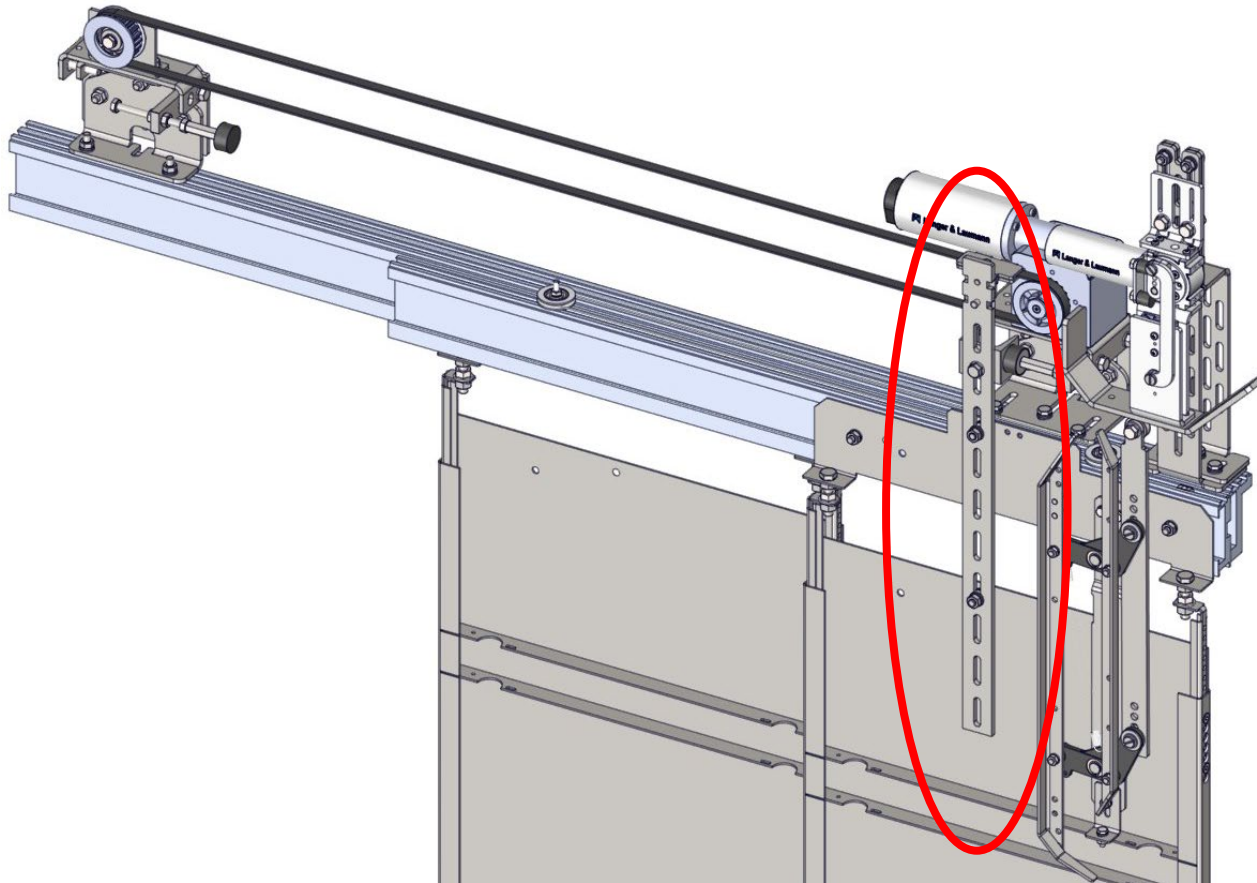
TR spiegelbildlich –
TR mirrored

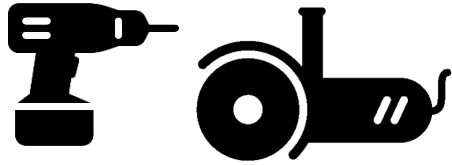
Nach Demontage – after disassembly



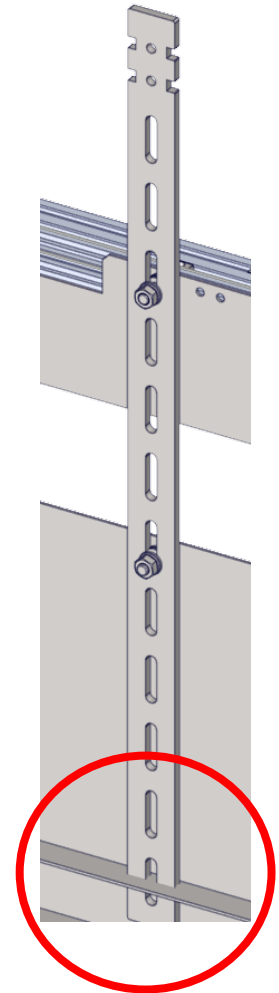
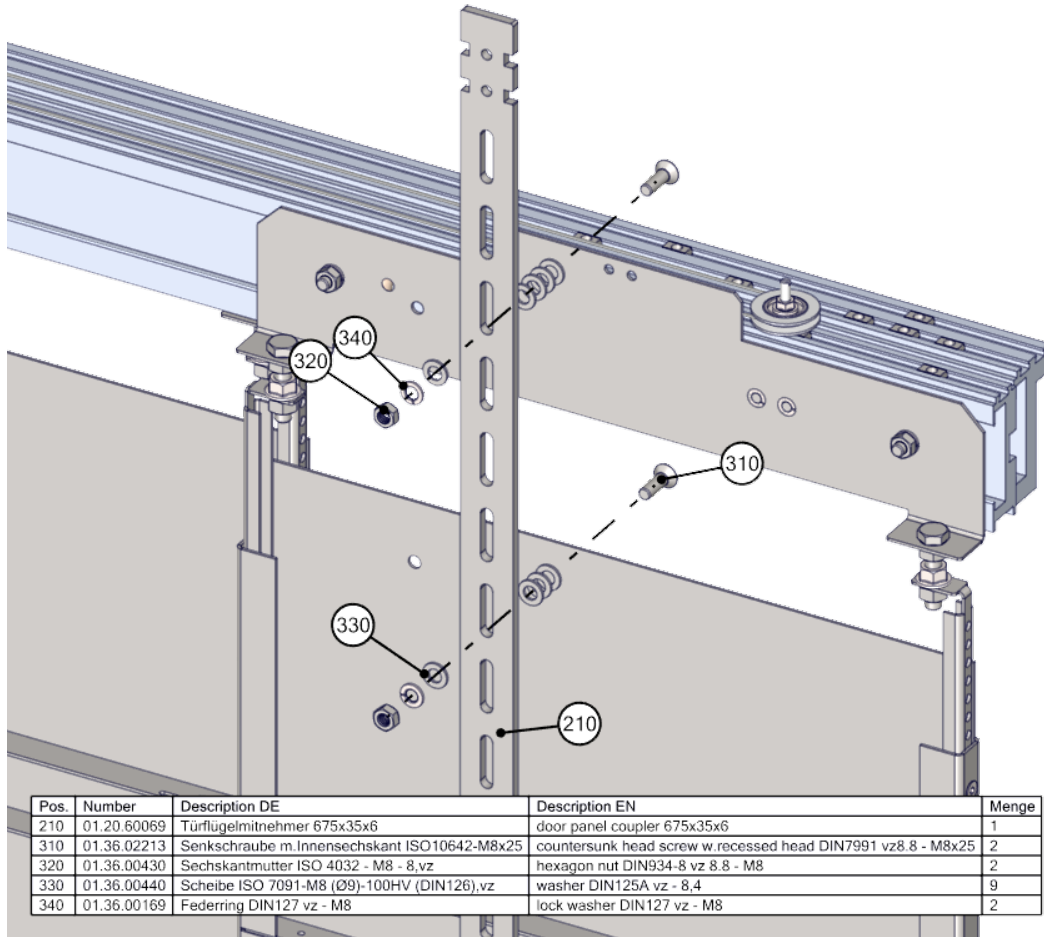
TR spiegelbildlich –
TR mirrored

Montage Türflügelmitnehmer – assembly of the door panel coupler



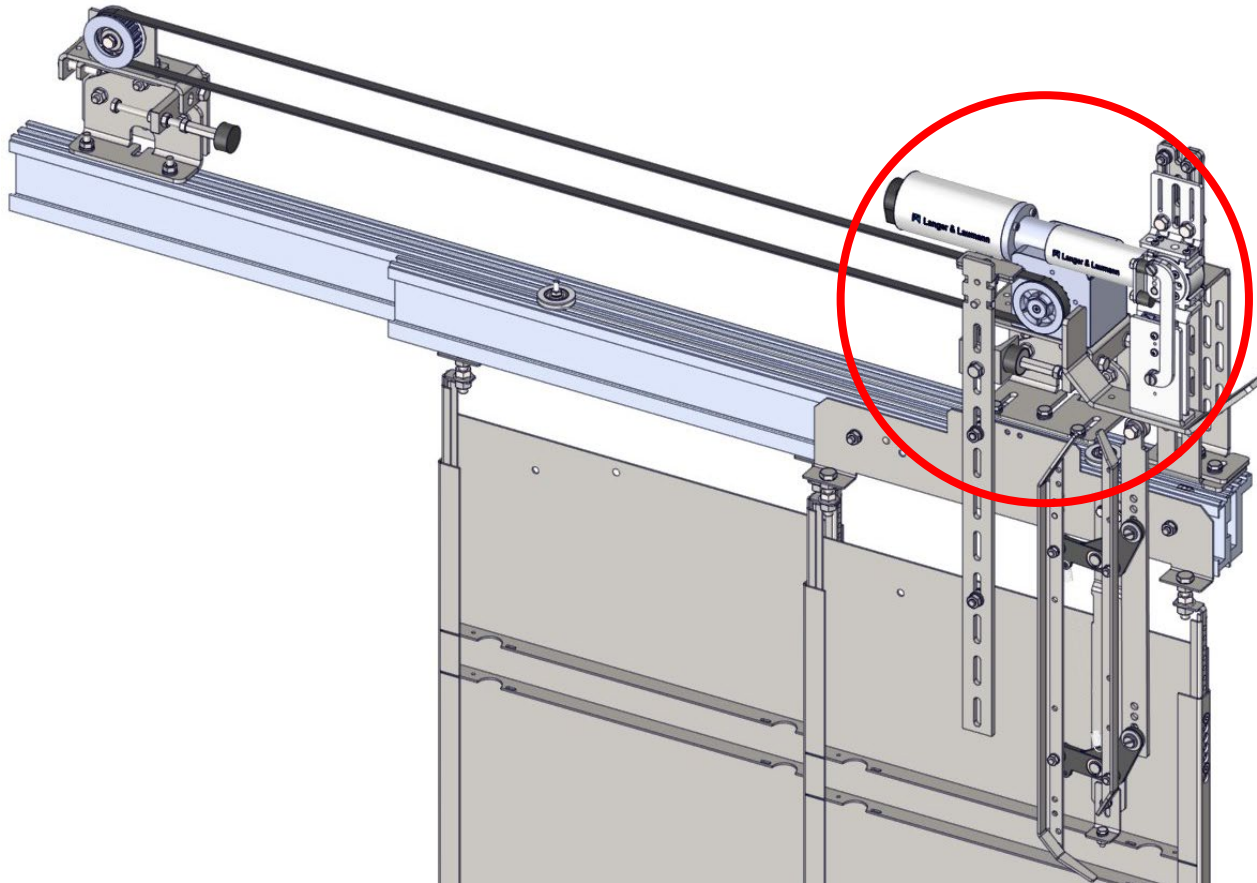


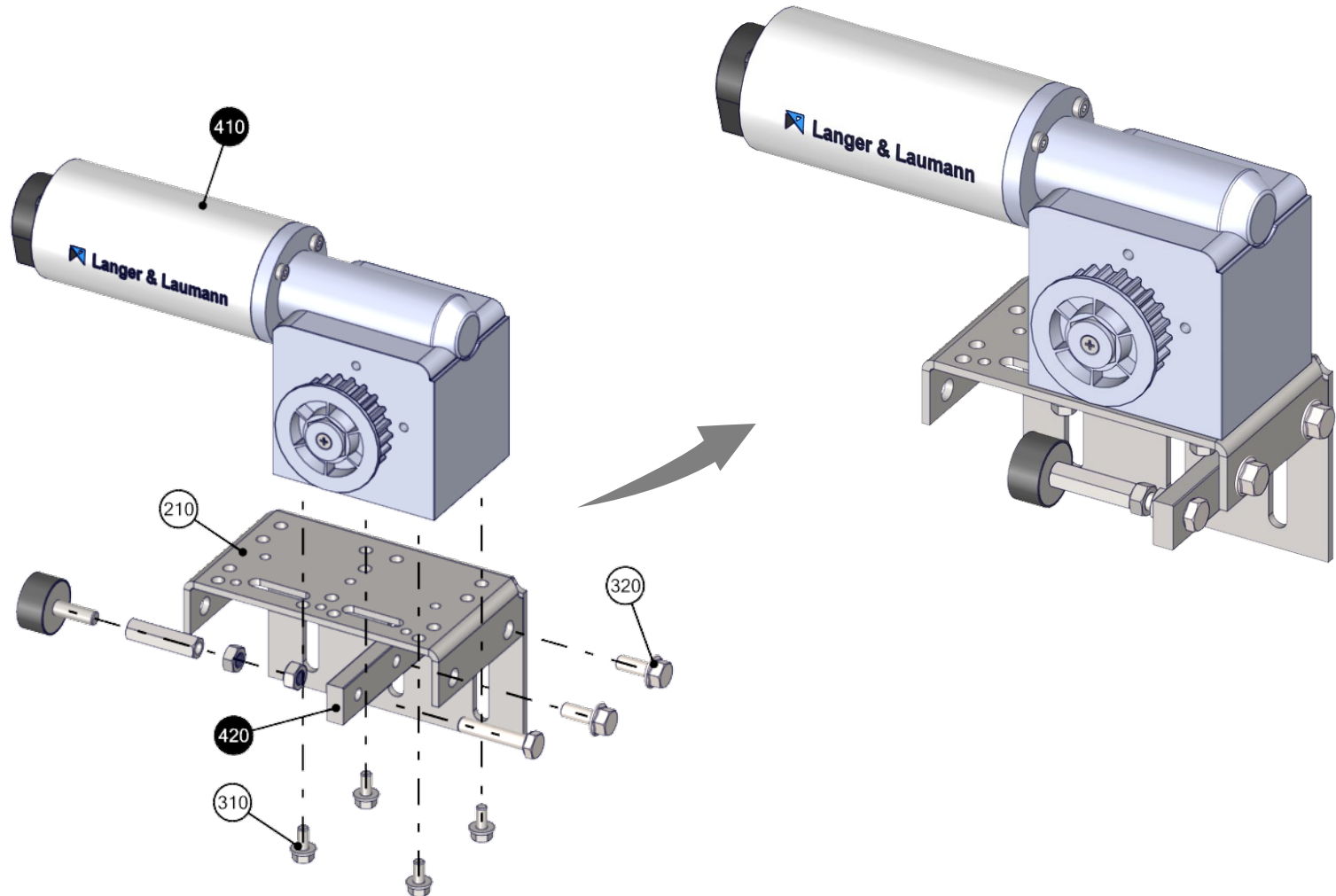
Bei Bedarf Türflügelmitnehmer kürzen –
cut to length the door panel coupler if necessary



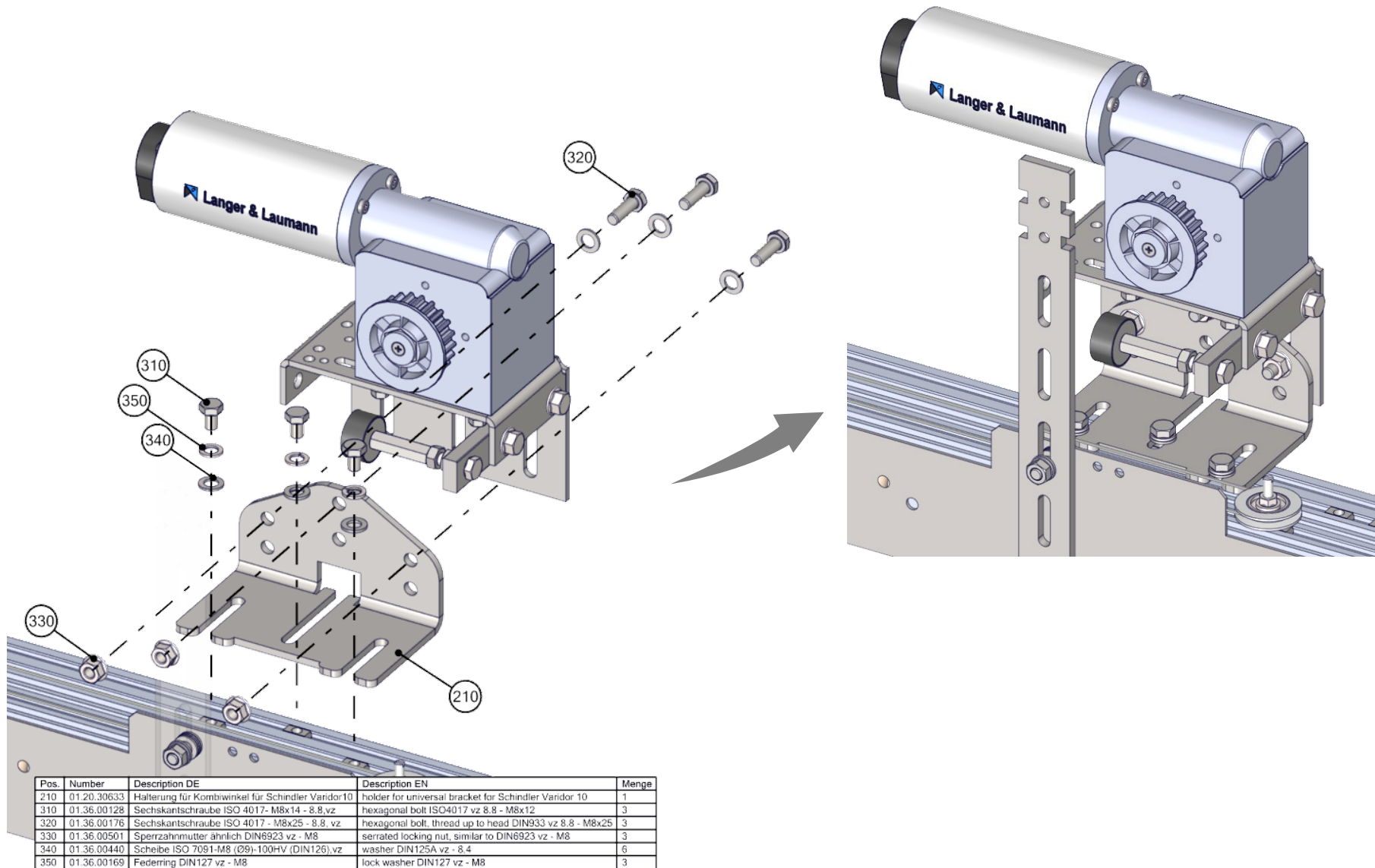
Pos.	Number	Description DE	Description EN	Menge
210	01.20.60069	Türflügelmitnehmer 675x35x6	door panel coupler 675x35x6	1
310	01.36.02213	Senkschraube m. Innensechskant ISO10642-M8x25	countersunk head screw w recessed head DIN7991 vz8.8 - M8x25	2
320	01.36.00430	Sechskantmutter ISO 4032 - M8 - 8,vz	hexagon nut DIN934-8 vz 8.8 - M8	2
330	01.36.00440	Scheibe ISO 7091-M8 (Ø9)-100HV (DIN126).vz	washer DIN125A vz - 8,4	9
340	01.36.00169	Federring DIN127 vz - M8	lock washer DIN127 vz - M8	2

Montage Motor – assembly of the motor

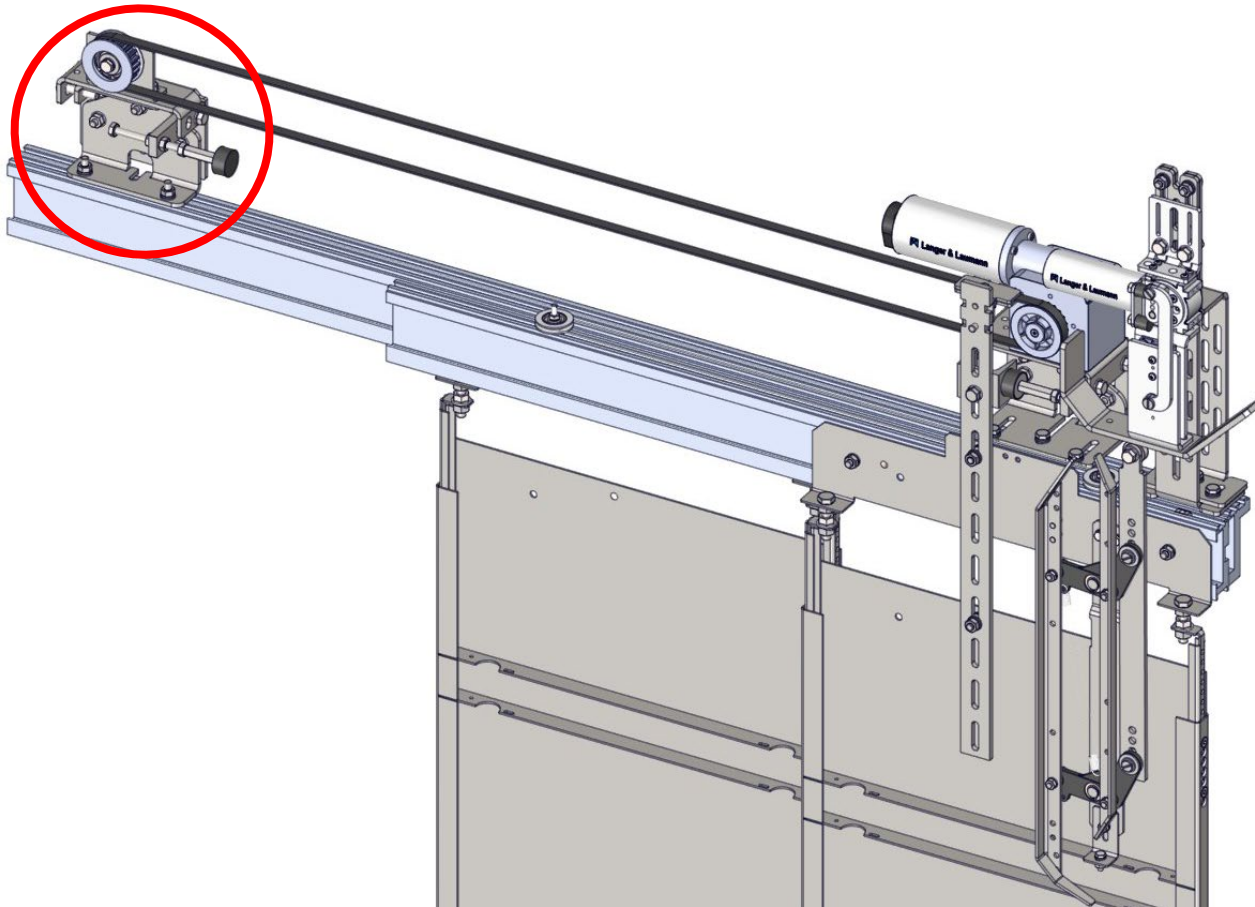


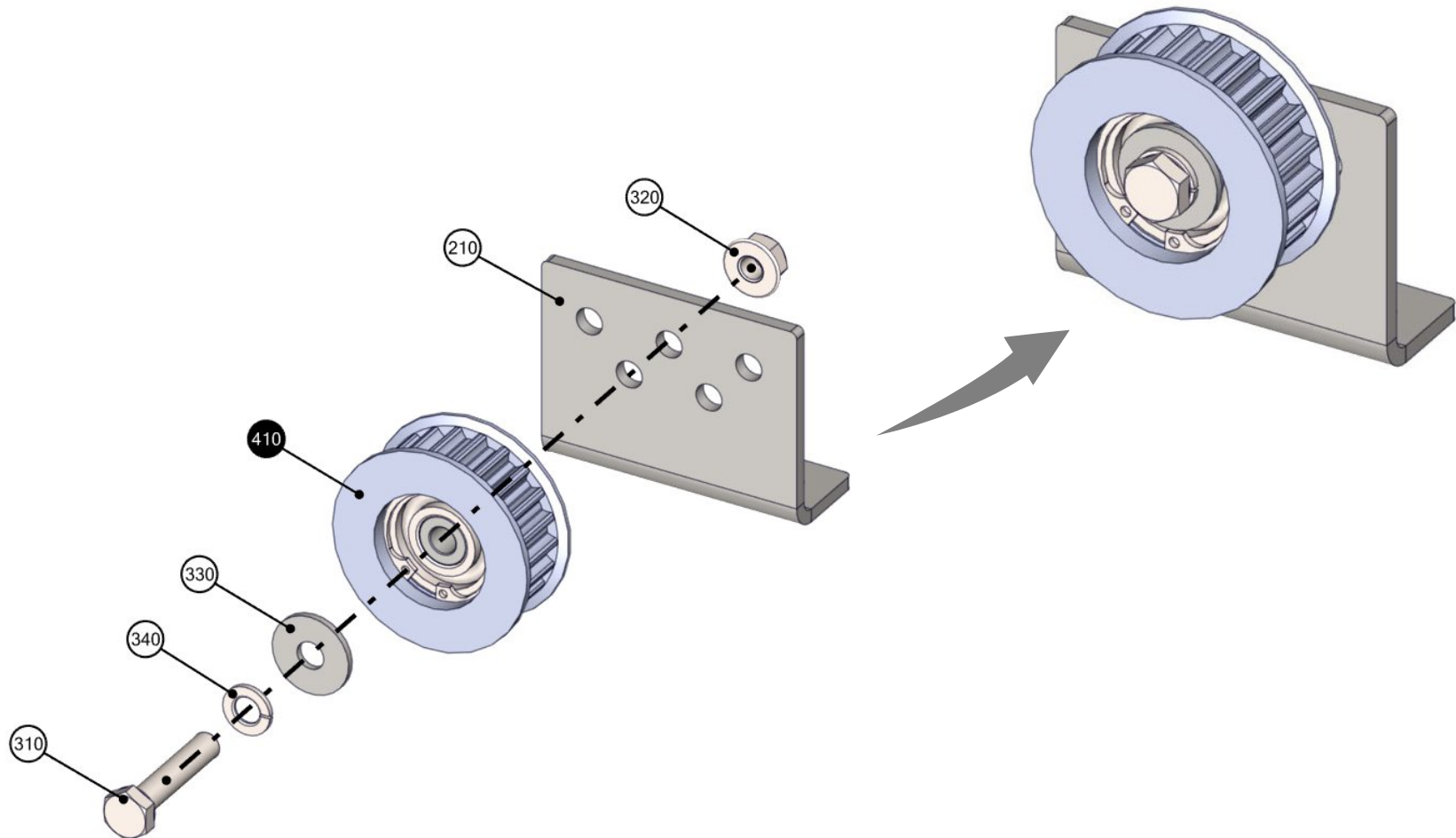


Pos.	Number	Description DE	Description EN	Menge
210	01.20.60040	TSG Kombiwinkel, Ausführung 90°, für TSG Motor oder Umlenkrad	TSG universal bracket, version 90°, for TSG motor or counter roller	1
310	01.36.00135	Sperrzahnschraube DIN 6921 M6x12 verz.	hexagon head serrated screw WN0274 A2C 8.8 - M6x12	4
320	01.36.00720	Sperrzahnschraube WN0274 A2C 8.8 - M8x20	hexagon head serrated screw WN0274 A2C 8.8 - M8x20	2
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	01.20.60030	TSG Anschlagsatz Puffer inkl. Halterung	TSG stopper kit buffer incl. holder	1

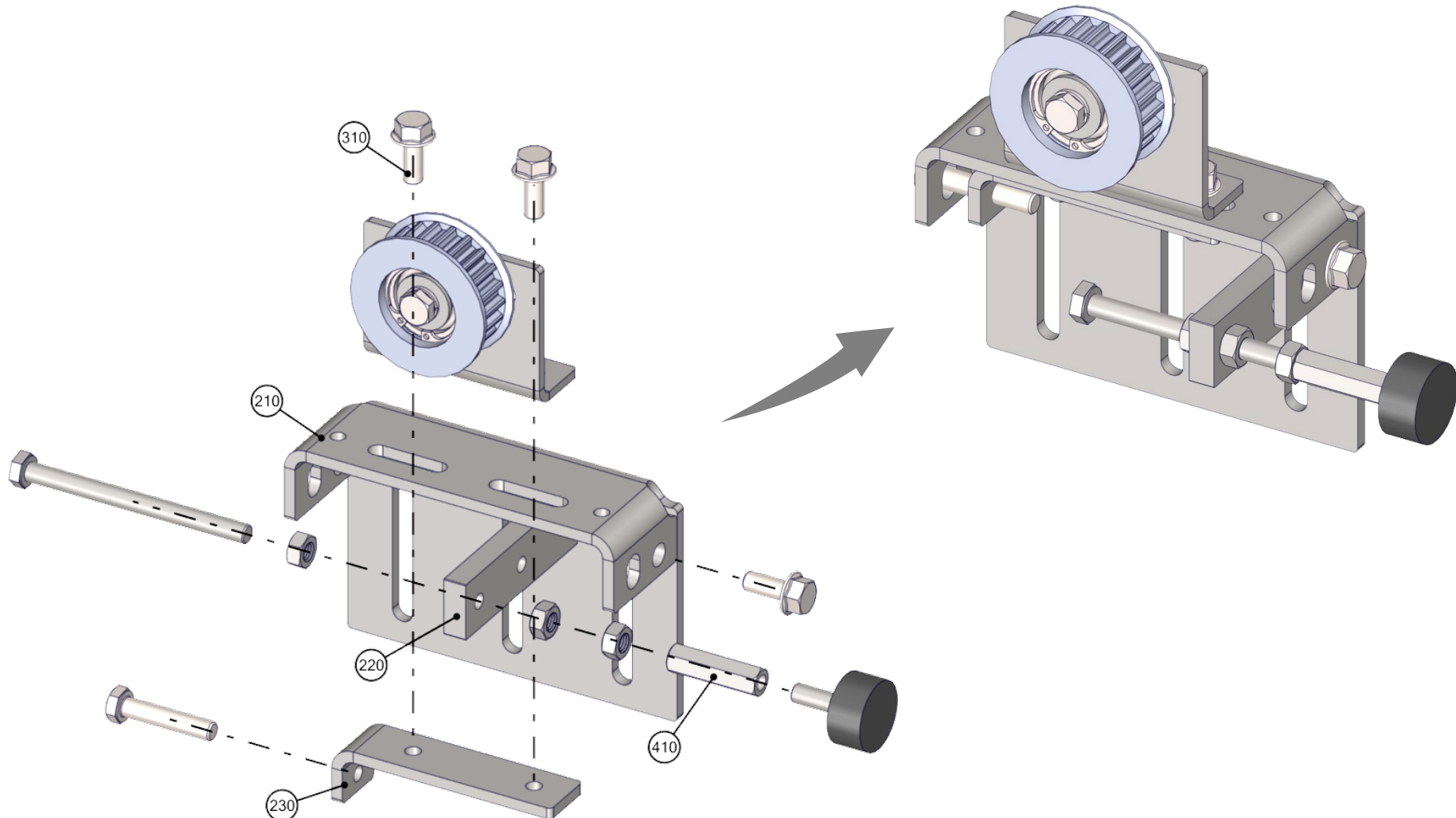


Montage Umlenkrollen – assembly of the pulley

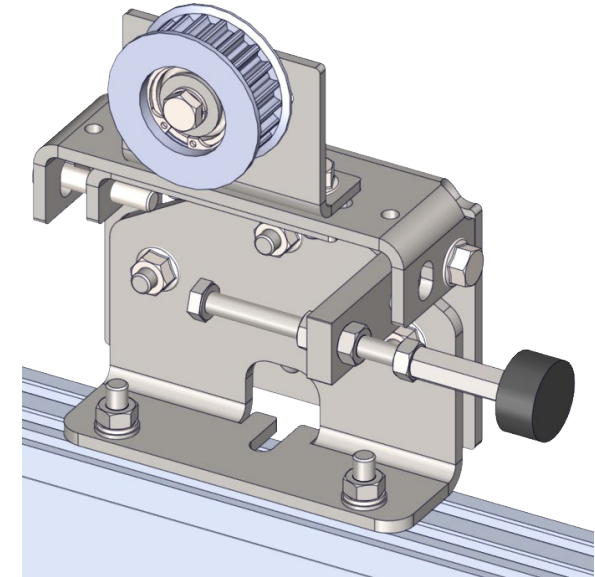
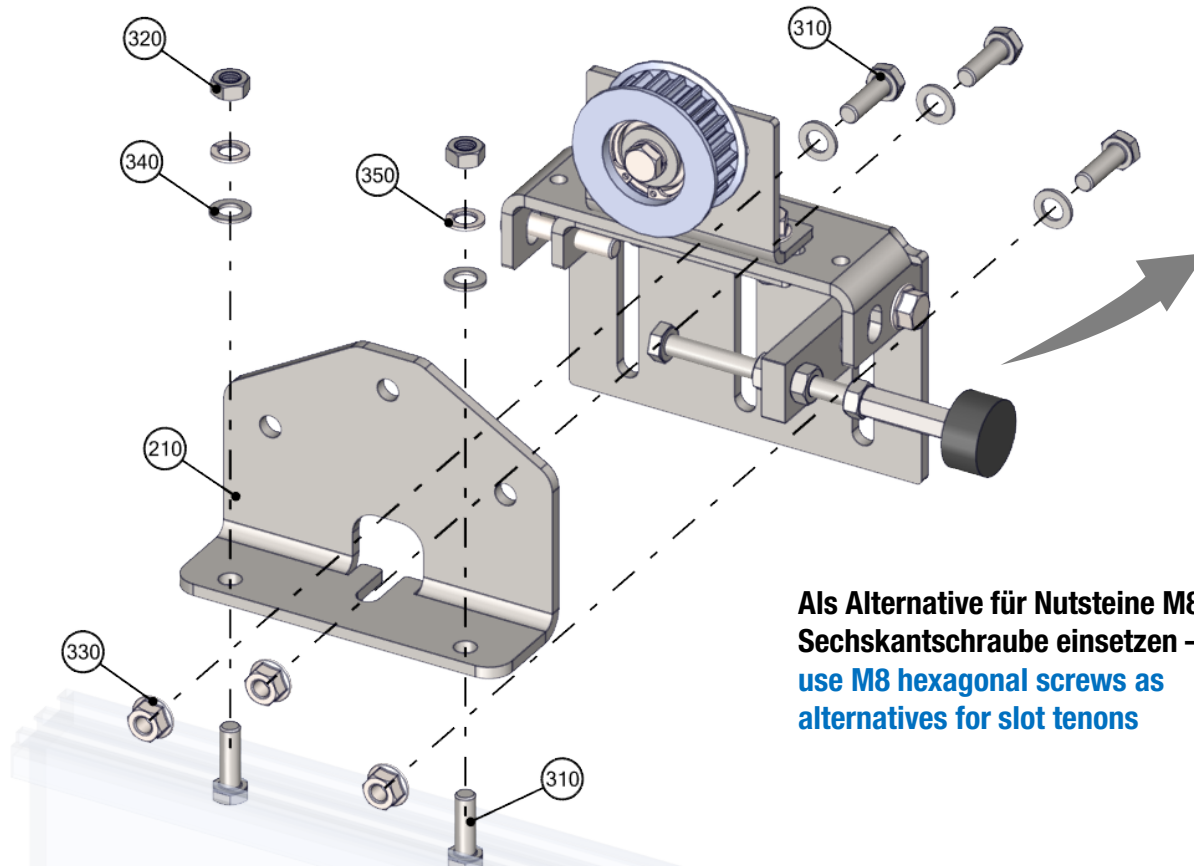




Pos.	Number	Description DE	Description EN	Menge
210	01.20.60013	Halterung Umlenkrolle für Spannstation	TSG bracket for counter roller	1
310	01.36.00115	Sechskantschraube Vollgewinde DIN933 vz 8.8 - M8x40	hexagonal bolt, thread up to head DIN933 vz 8.8 - M8x40	1
320	01.36.00501	Sperrzahnmutter ähnlich 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	Tüte Umlenkrad	TSG counter roller	1



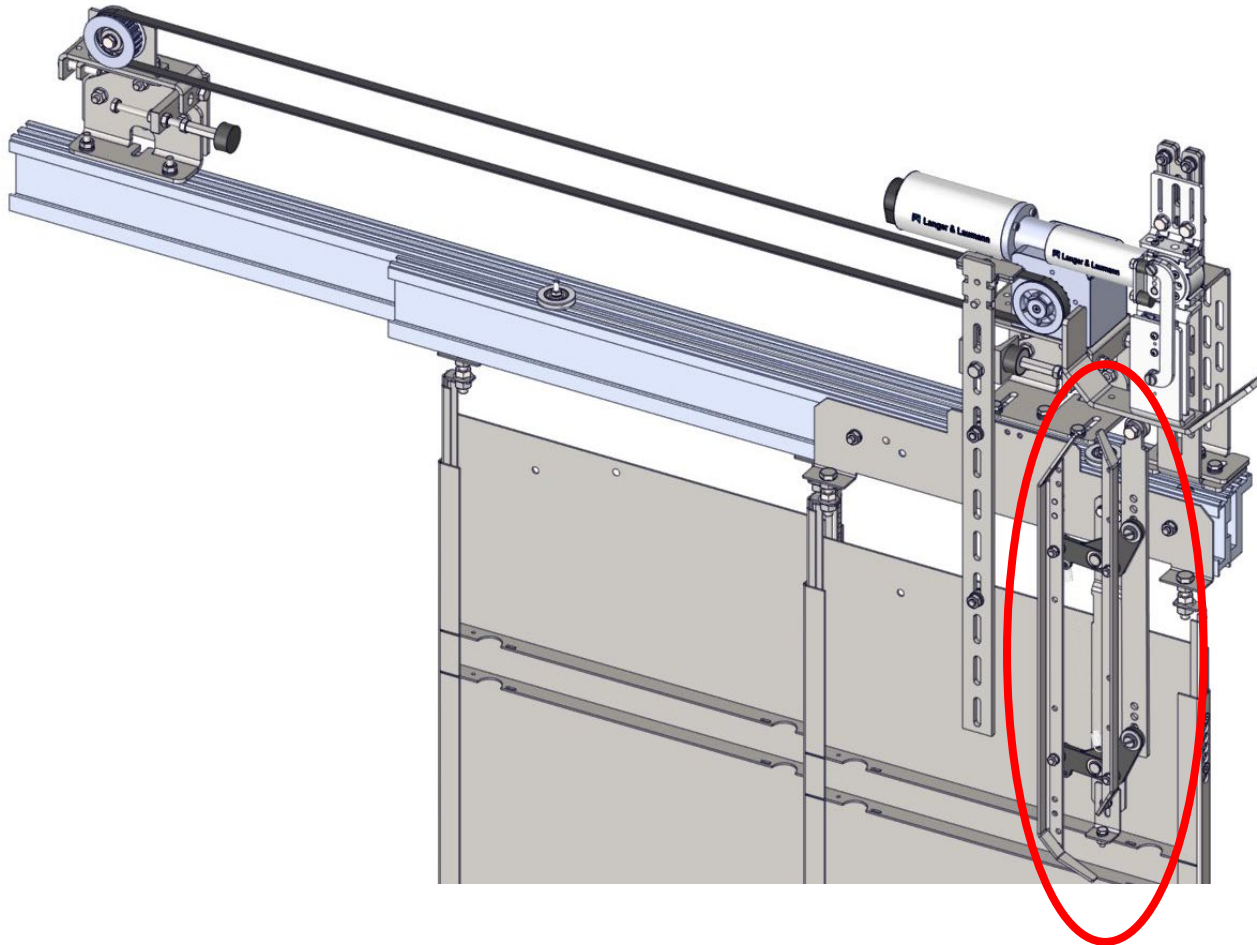
Pos.	Number	Description DE	Description EN	Menge
210	01.20.30627	Kombiwinkel Gegenseite (schmale Form), für Schindler Varidor10	TSG universal bracket, counter side (small version)	1
220	01.20.60126	Halterung Puffer für schmalen Kombiwinkel	holder bump stop for universal bracket (small version)	1
230	01.20.60013	TSG Halter für Umlenkrad	TSG bracket for counter roller	1
310	01.36.00720	Sperrzahnschraube WN0274 A2C 8.8 - M8x20	hexagon head serrated screw WN0274 A2C 8.8 - M8x20	2
410	01.20.60030	TSG Anschlagsatz Puffer inkl. Halterung	TSG stopper kit buffer incl. holder	1

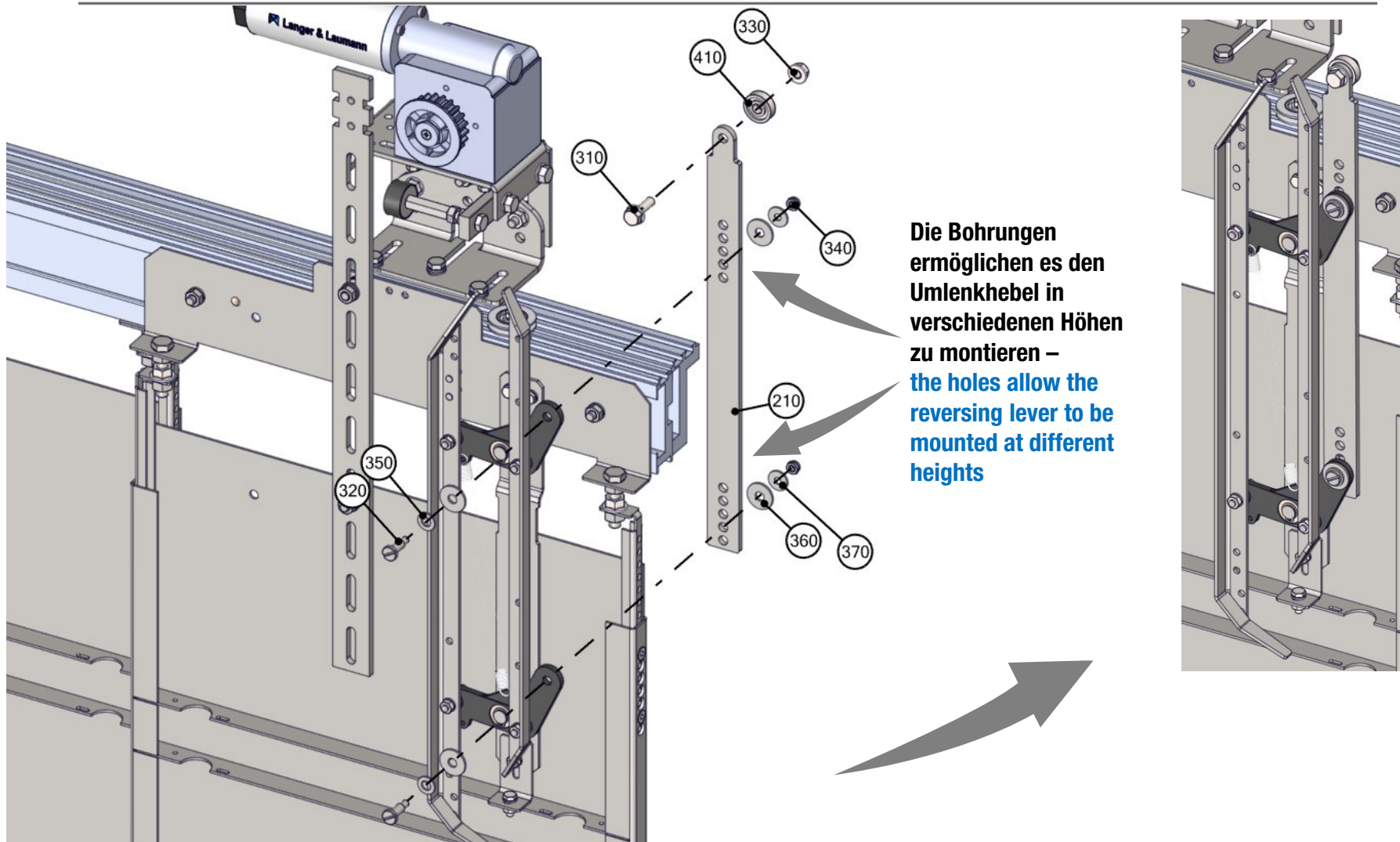


**Als Alternative für Nutsteine M8
Sechskantschraube einsetzen –
use M8 hexagonal screws as
alternatives for slot tenons**

Pos.	Number	Description DE	Description EN	Menge
210	01.20.30628	Halterung für Kombiwinkel Gegenseite, für Schindler Varidor10	holder for universal bracket for Schindler Varidor10, counter roll	1
310	01.36.00176	Sechskantschraube ISO 4017 - M8x25 - 8.8, vz	hexagonal bolt, thread up to head DIN933 vz 8.8 - M8x25	5
320	01.36.00430	Sechskantmutter ISO 4032 - M8 - 8,vz	hexagon nut DIN934-8 vz 8.8 - M8	2
330	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	3
340	01.36.00440	Scheibe ISO 7091-M8 (Ø9)-100HV (DIN126),vz	washer DIN125A vz - 8.4	5
350	01.36.00169	Federring DIN127 vz - M8	lock washer DIN127 vz - M8	2

Montage Spreizschwert – assembly of the skate

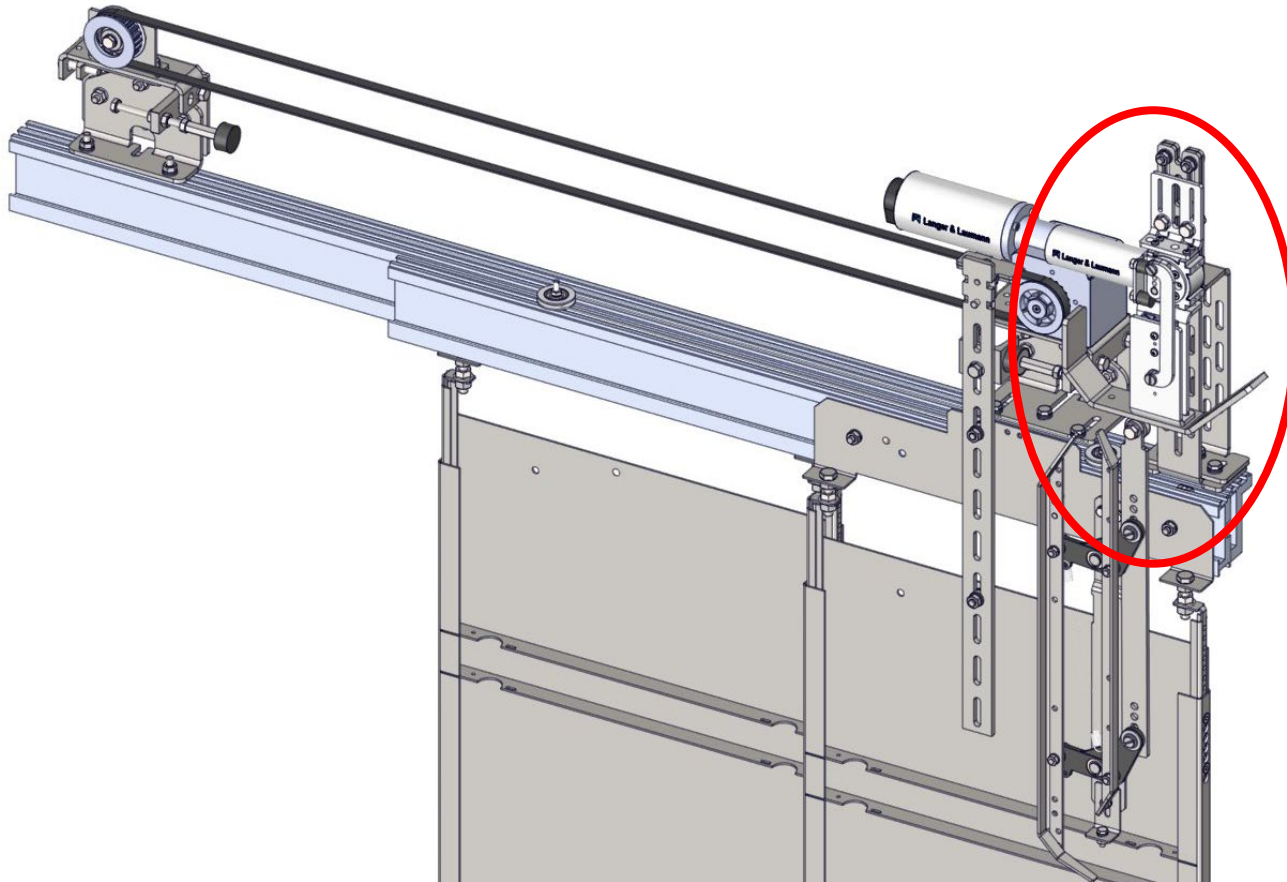


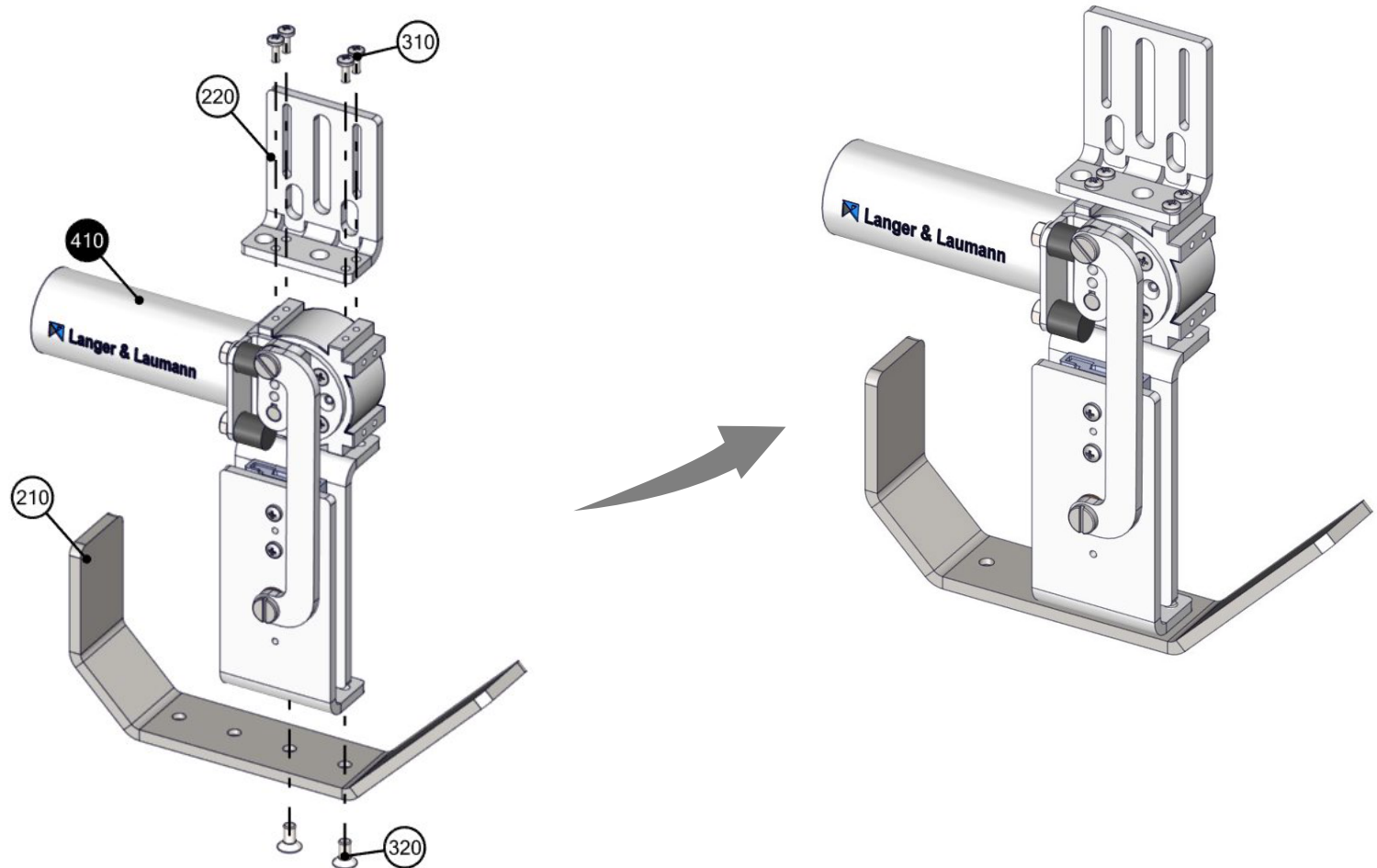


Pos.	Number	Description DE	Description EN	Menge
210	01.20.30631	Umlenkhebel Schwert für Rolle, Schindler Varidor10	reversing lever skate for roller, Schindler Varidor10	1
310	01.36.00725	Sperrzahnschraube DIN 6921 M8x25, 8.8, vz	hexagon head serrated screw DIN 6921 M8x25, 8.8, vz	1
320	01.36.00920	Flachkopfschraube mit Schlitz und Ansatz, M6x16 DIN 923	slotted flat-head screw with shoulder DIN923 vz - M6x16	2
330	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	1
340	01.36.00495	Sicherheitsmutter DIN985 - M6 - 8.8, vz	hexagon nut DIN985 low profile vz 8.8,w clamping piece - M6	2

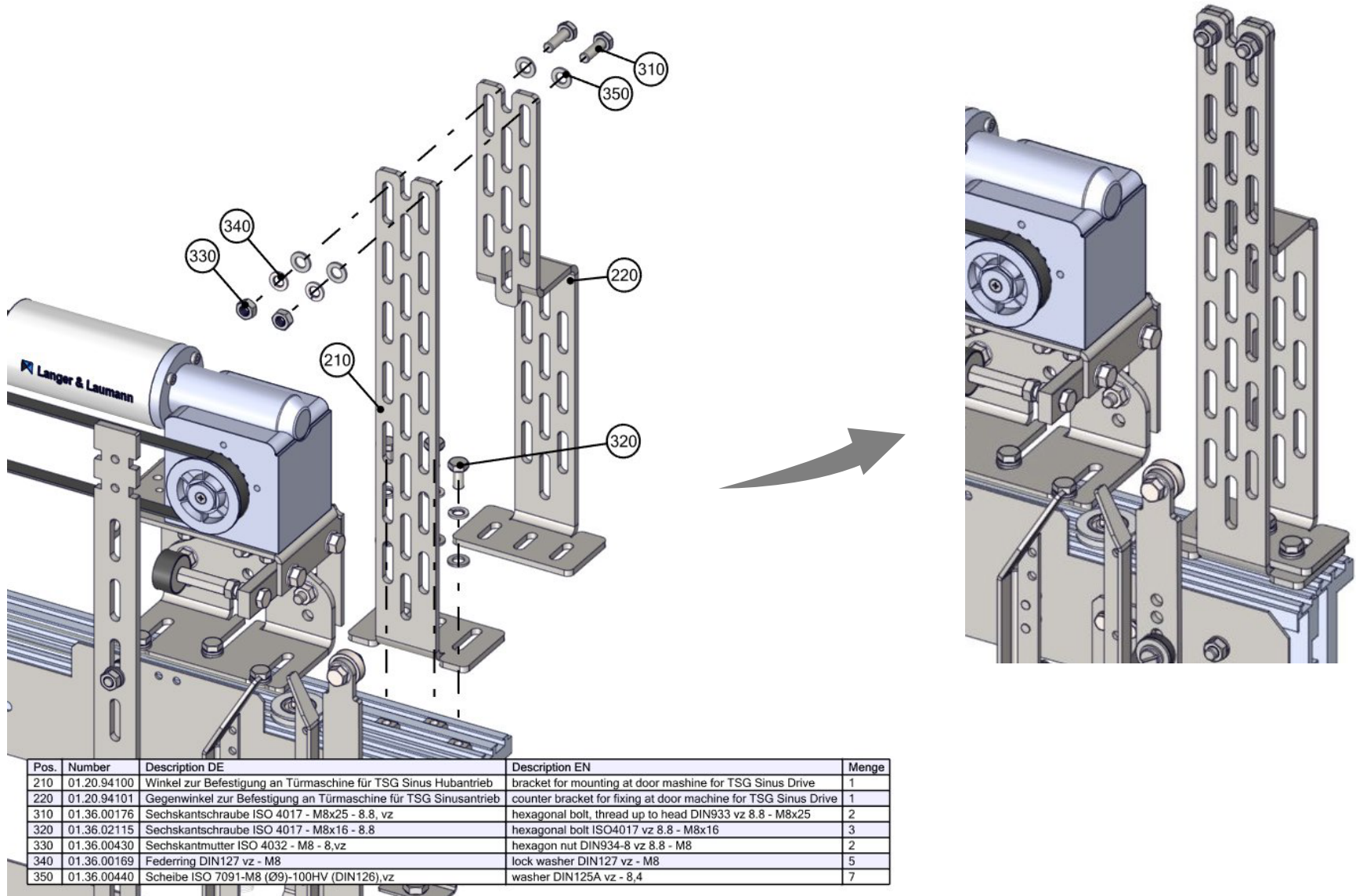
Pos.	Number	Description DE	Description EN	Menge
350	01.36.00440	Scheibe ISO 7091-M8 (Ø9)-100HV (DIN126), vz	washer DIN125A vz - 8.4	2
360	01.36.00450	Kofflügelscheibe DIN522 vz - 8.4x20x1.25	wing repair washer DIN522 vz - 8.4x20x1.25	4
370	01.36.01036	Scheibe großer Durchmesser DIN9021 vz - 6.4	washer with large outside diameter DIN9021 vz - 6.4	2
410	01.20.35110	Rillenkugellager, DIN625- 629, 22, AußenØ=26, InnenØ=9, B=8	deep groove ball bearing, DIN625-629, 22	1

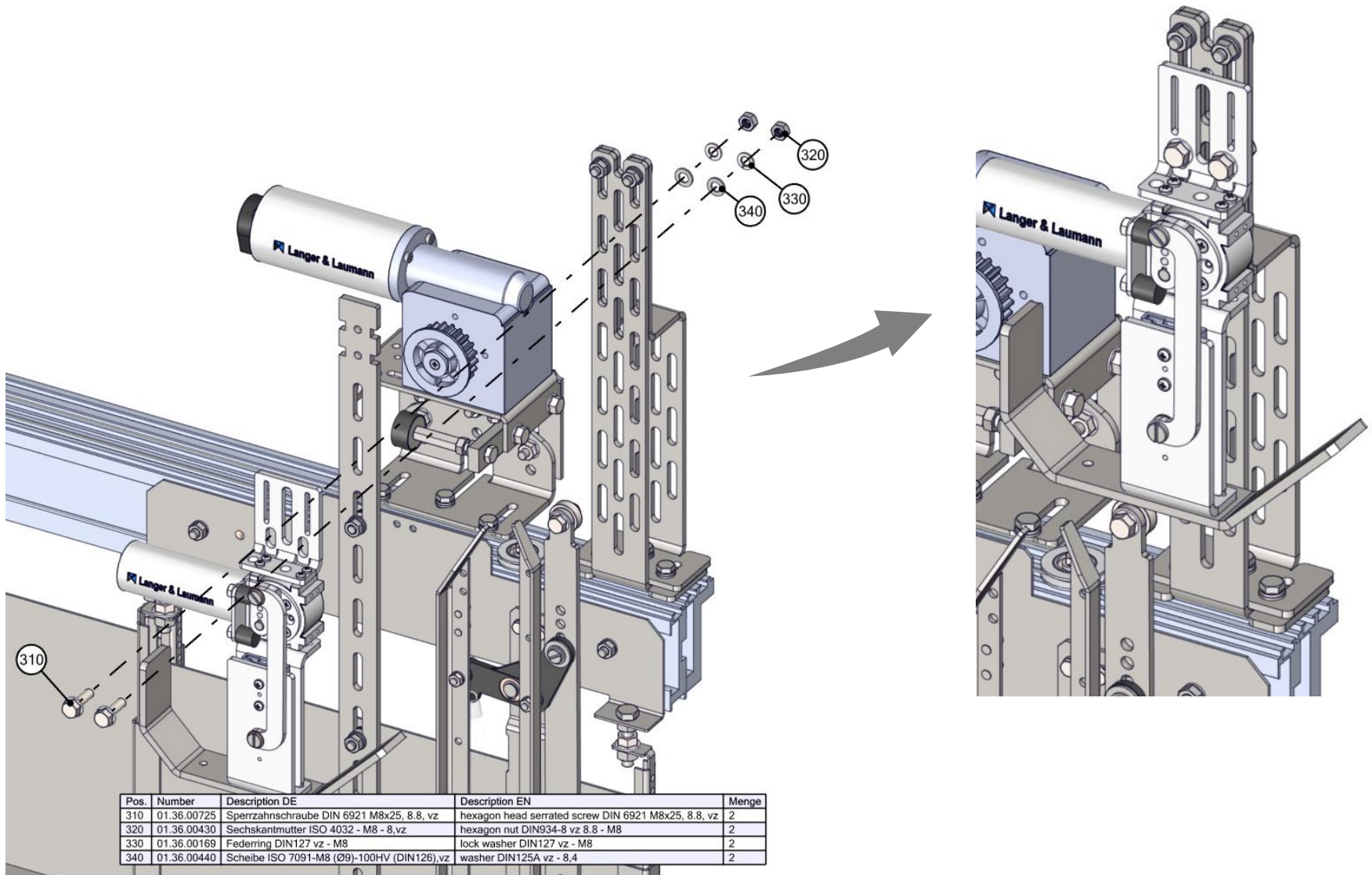
Montage TSG Sinusantrieb – assembly of the TSG Sinus Drive



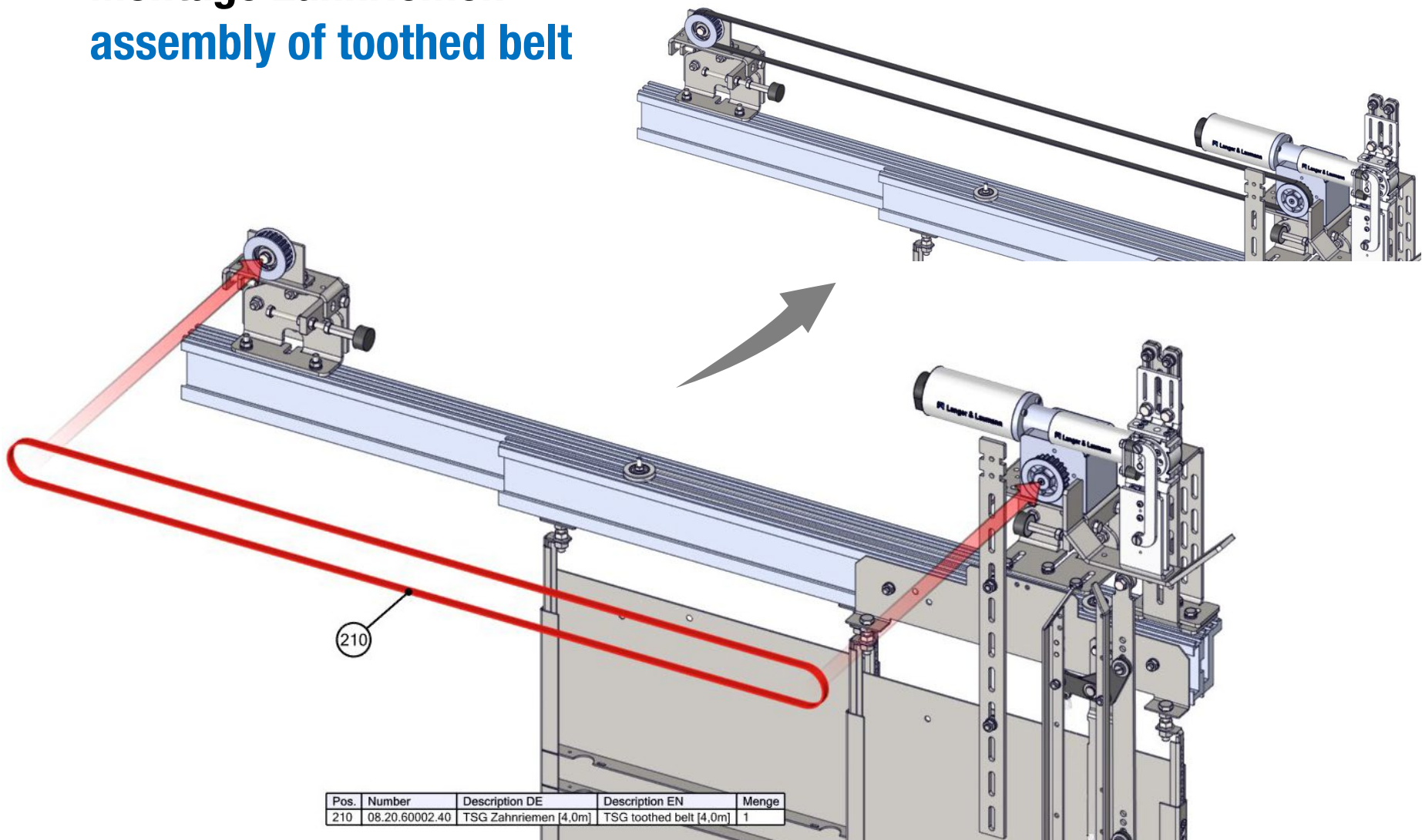


Pos.	Number	Description DE	Description EN	Menge
210	01.20.94125	Kurve Rollenbetätigung (zweiseitig) für TSG Sinus Hubantrieb	cam roller actuation (low-sided) for TSG Sinus Drive	1
220	01.20.94050	Haltewinkel für TSG Sinusantrieb	mounting bracket for TSG Sinus Drive	1
310	01.36.00003	Flachkopfschraube vz 4,8 7985 4x10	pan head screw DIN7985 vz 4.8 - M4x10	4
320	01.36.00358	Senkschraube m. Innensechskant ISO10642-M6x12-8.8	countersunk head screw w. recessed head ISO10642-M6x12-8.8	2
410	08.20.83111	TSG Sinusantrieb links für Regelbetätigung (ohne TSG Elektronik)	TSG Sinus Drive left for interlock operation (without TSG electronic)	1

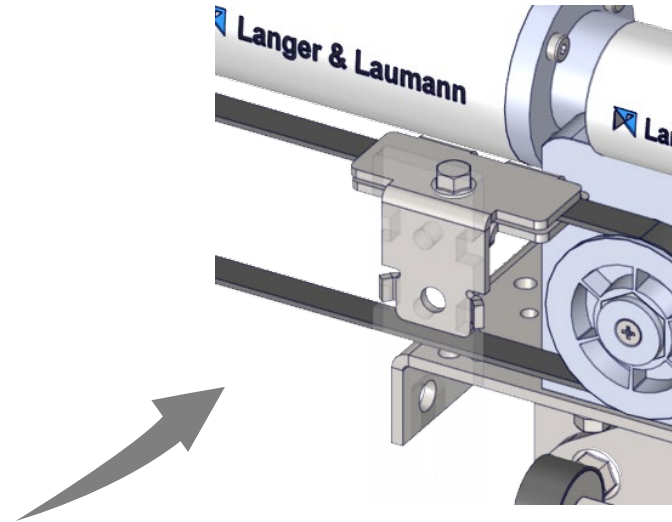
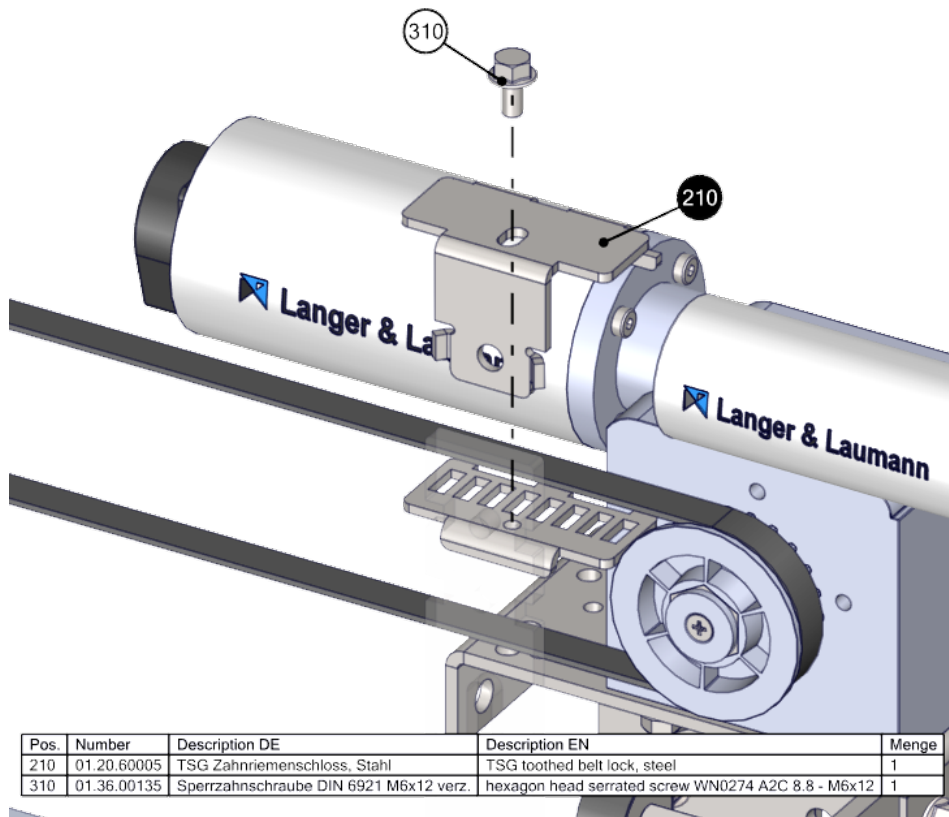


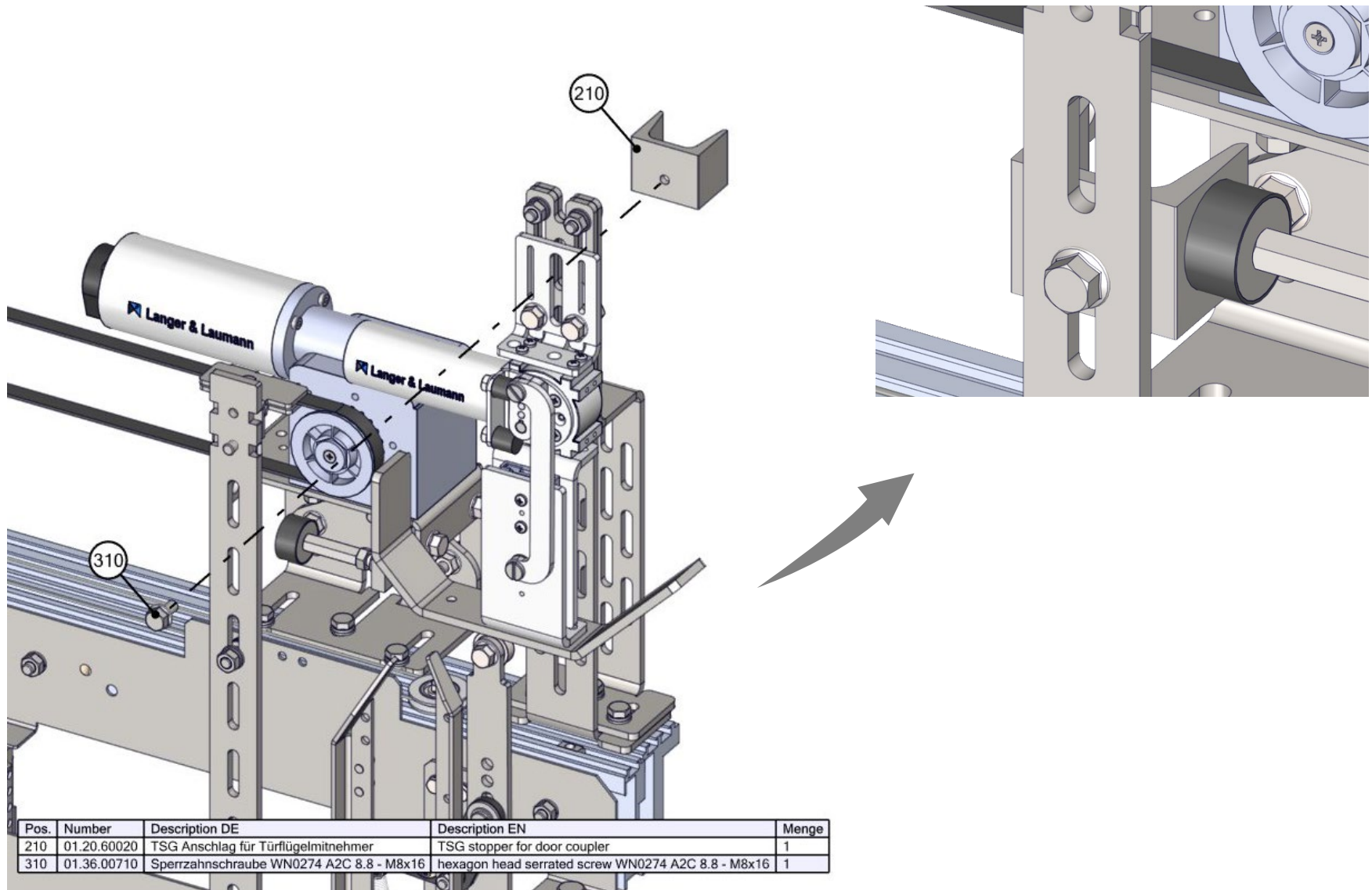


Montage Zahnriemen – assembly of toothed belt

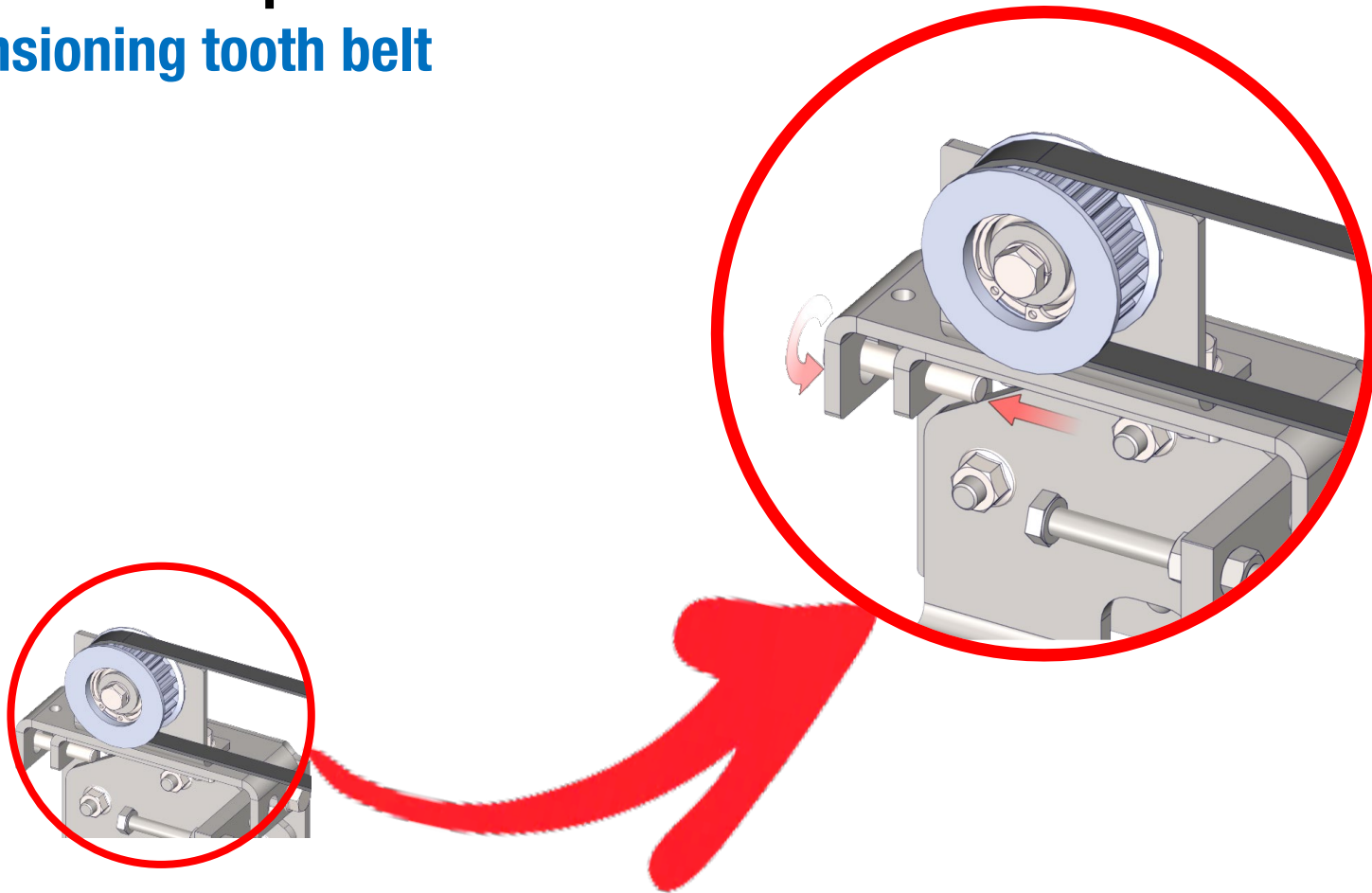


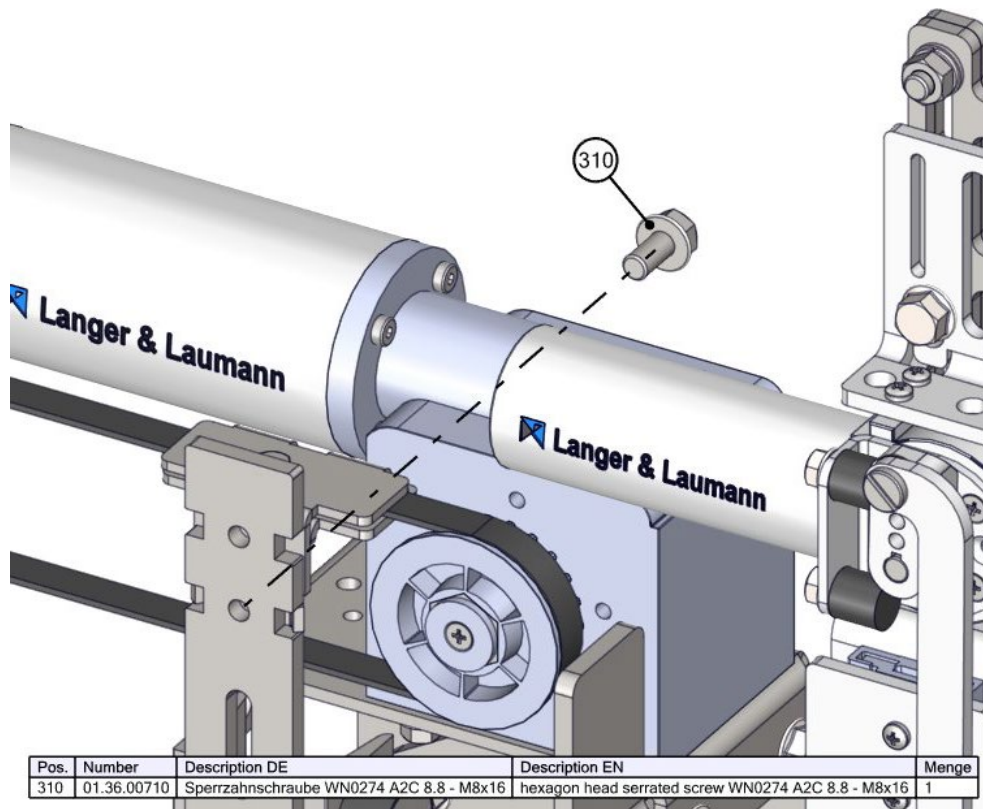
Montage Zahnriemenschloss – assembly of toothed belt lock



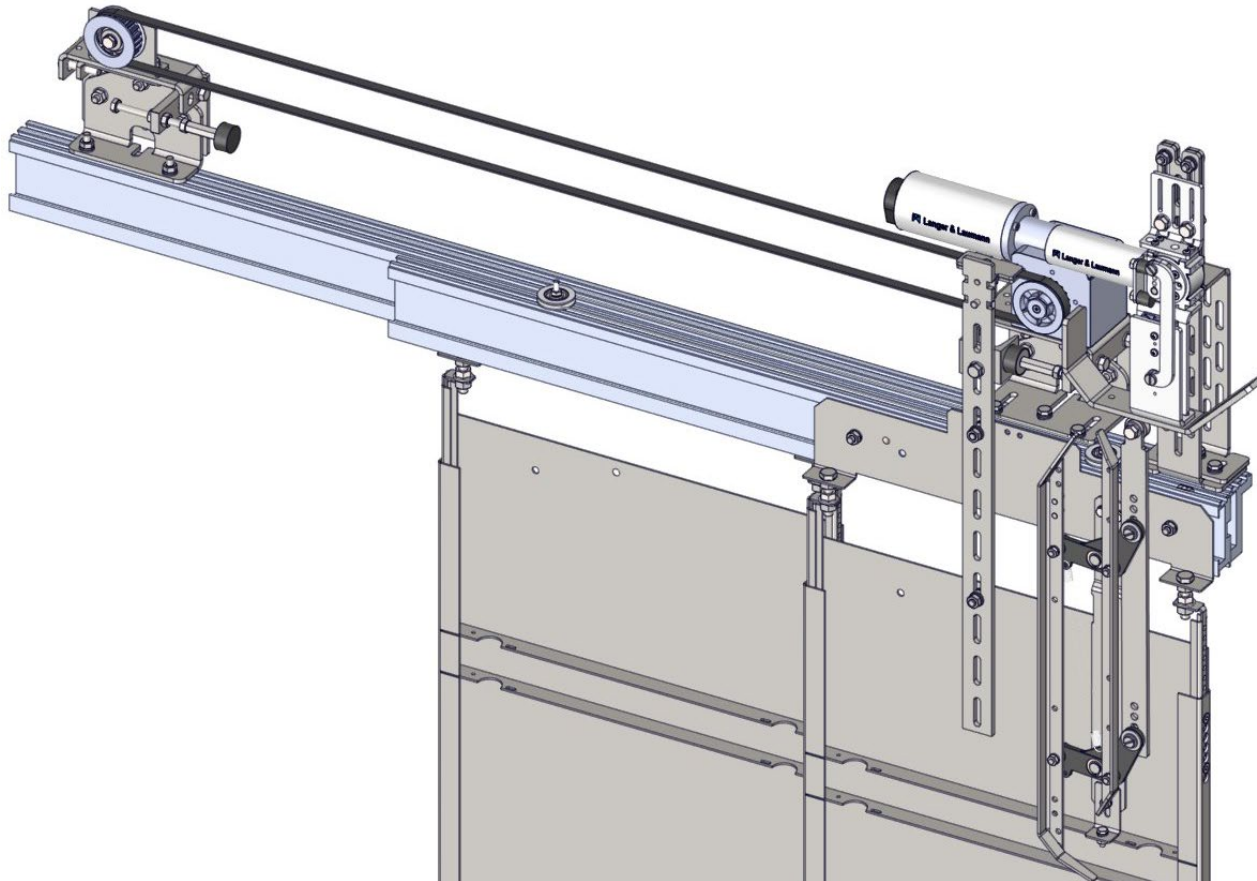


Zahnriemen spannen – tensioning tooth belt





Pos.	Number	Description DE	Description EN	Menge
310	01.36.00710	Sperrzahnschraube WN0274 A2C 8.8 - M8x16	hexagon head serrated screw WN0274 A2C 8.8 - M8x16	1





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