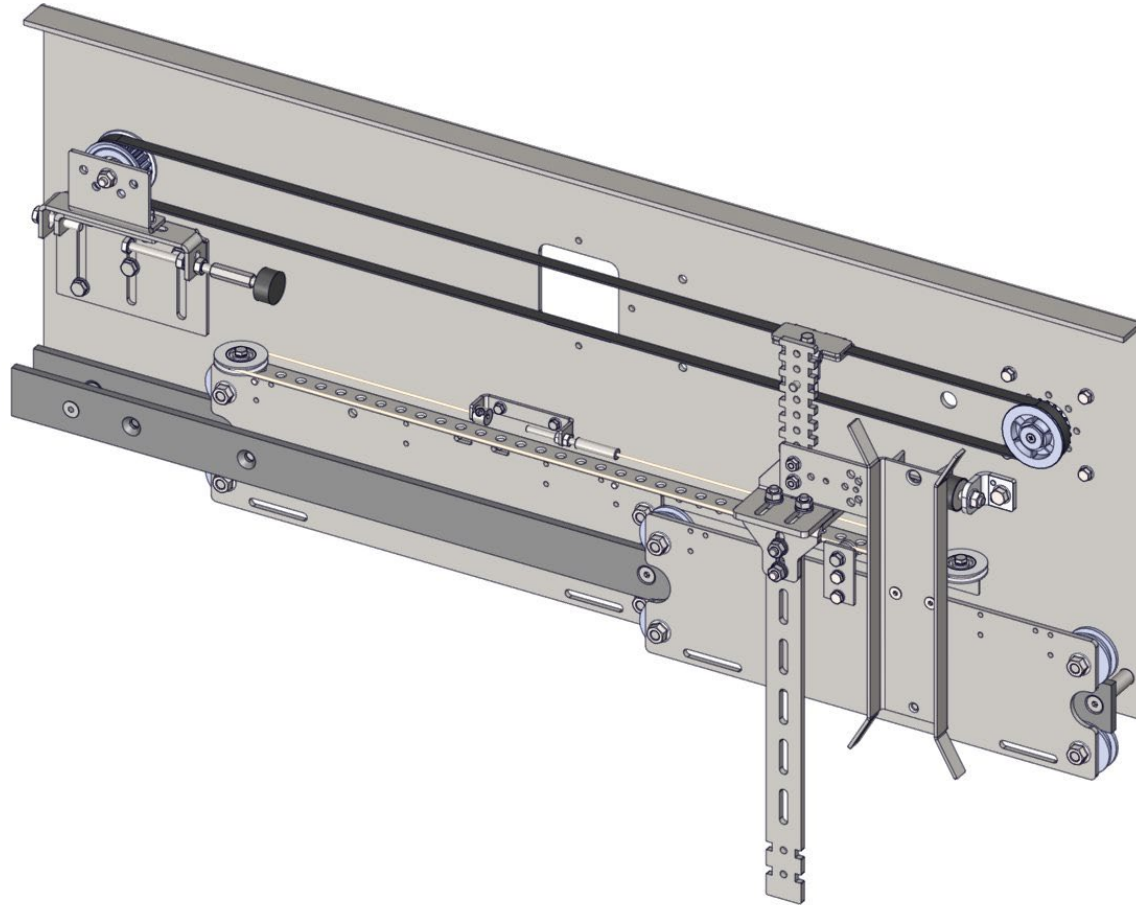


Montageanleitung **Assembly Instruction**

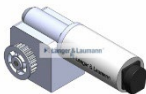
TSG in CMM mit Sinusarm **TSG in CMM with sinus arm**

TSG in CMM mit Sinusarm – **TSG in CMM with sinus arm**



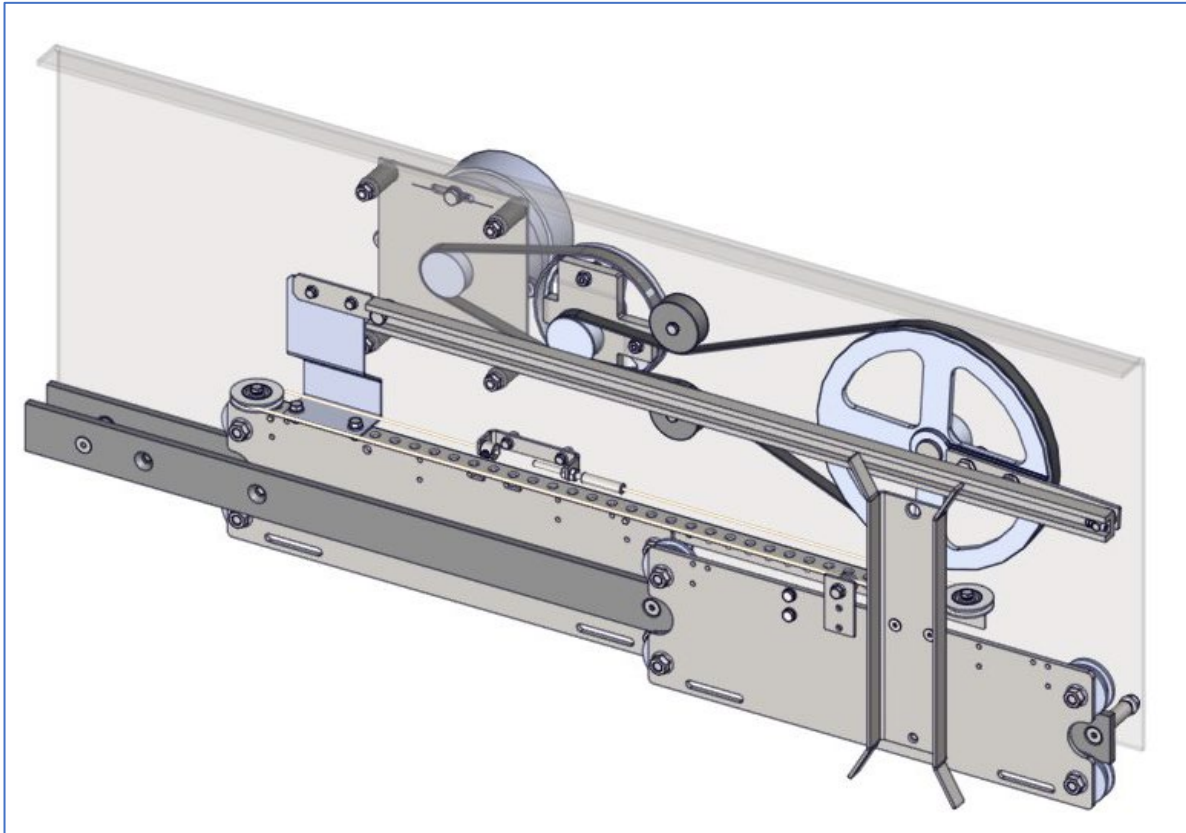
Lieferumfang – scope of supply



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- 230[VAC]/50-60	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
	1.20.60004	TSG Türflügelmitnehmer	TSG door panel coupler	1
	8.20.11010	TSG Türflügelmitnehmer rechtwinkelig	TSG door panel coupler, right angled	1
	1.20.10010	TSG Beschlagsatz für Umbau, im Karton	TSG brackets for conversion, in carton	1
	1.20.60350	Motoradapterplatte sternförmig	motor adapter plate star-shaped	1
	1.20.60070	TSG Kombiwinkel Gegenseite, schmale Bauform (Tiefe=35mm)	TSG universal bracket counter side, slim design (35mm)	1
	1.20.59070	Halterung Puffer für M3TK	rectangular stop for M3TK	1

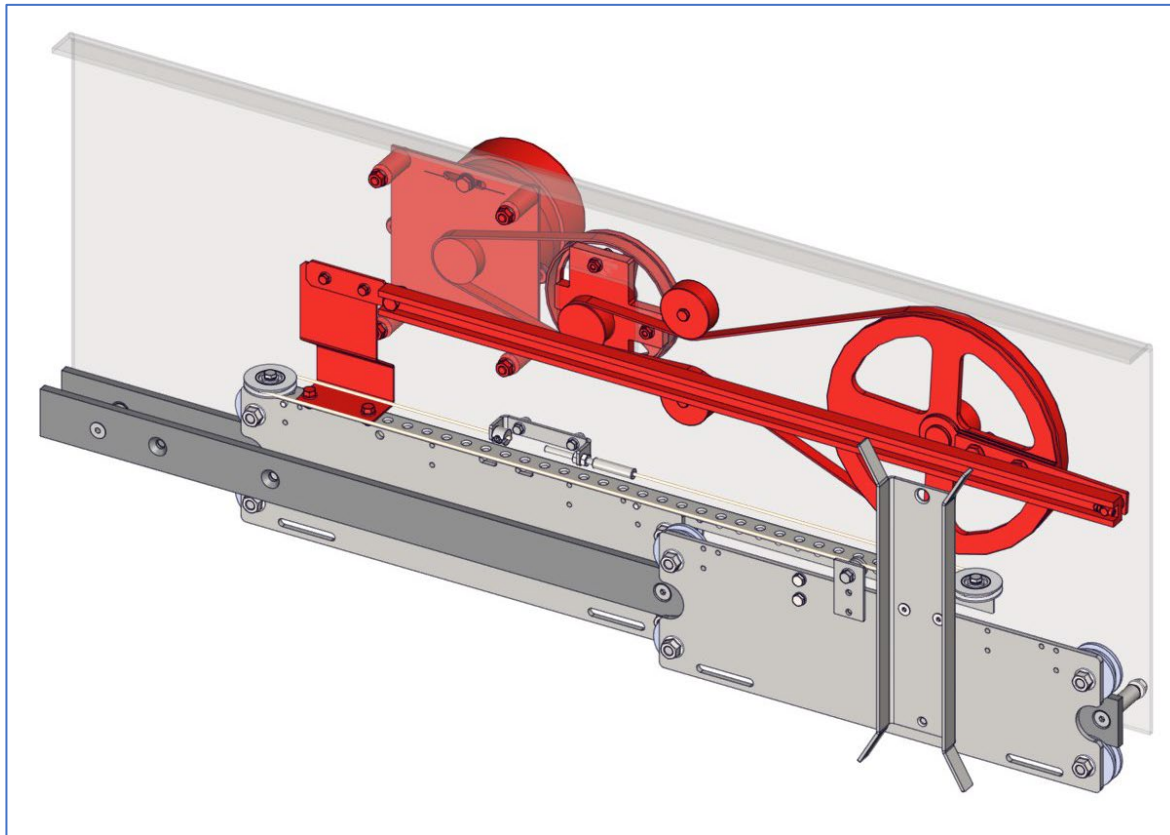
picture	Number	description DE	description EN	quantity
	1.20.60160	Zahnriemenrad, STD8M, d=14H7, D=56[mm], B=15[mm], mit Nut, mit 1 Bordscheibe	timing belt pulley, STD8M, d=14H7, D=56[mm], B=15[mm], with 1 disk	1
	8.20.60002.40	TSG Zahnriemen [4,0m]	TSG toothed belt [4,0m]	1
	8.20.13380	Schraubentüte	screw bag	1
	1.36.00176	Sechskantschraube Vollgewinde DIN933 vz 8.8 - M8x25	hexagonal bolt, thread up to head DIN933 vz 8.8 - M8x25	3
	1.36.00169	Federring DIN127 vz - M8	lock washer DIN127 vz - M8	3
	1.36.00430	Sechskantmutter DIN934-8 vz 8.8 - M8	hexagon nut DIN934-8 vz 8.8 - M8	3
	1.36.00440	Scheibe DIN125A vz - 8,4	washer DIN125A vz - 8,4	3

Vor Umbau – **before conversion**



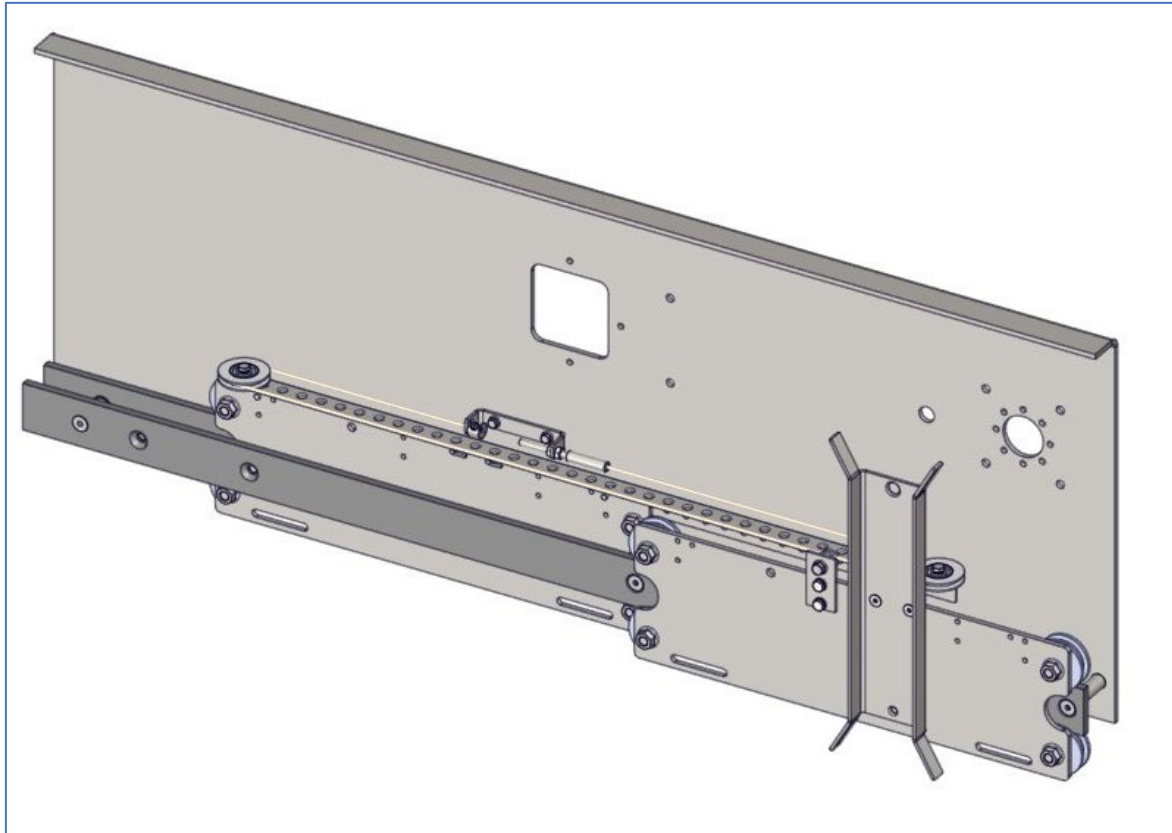
TR spiegelbildlich –
TR mirrored

Vor Umbau entfernen – remove before conversion



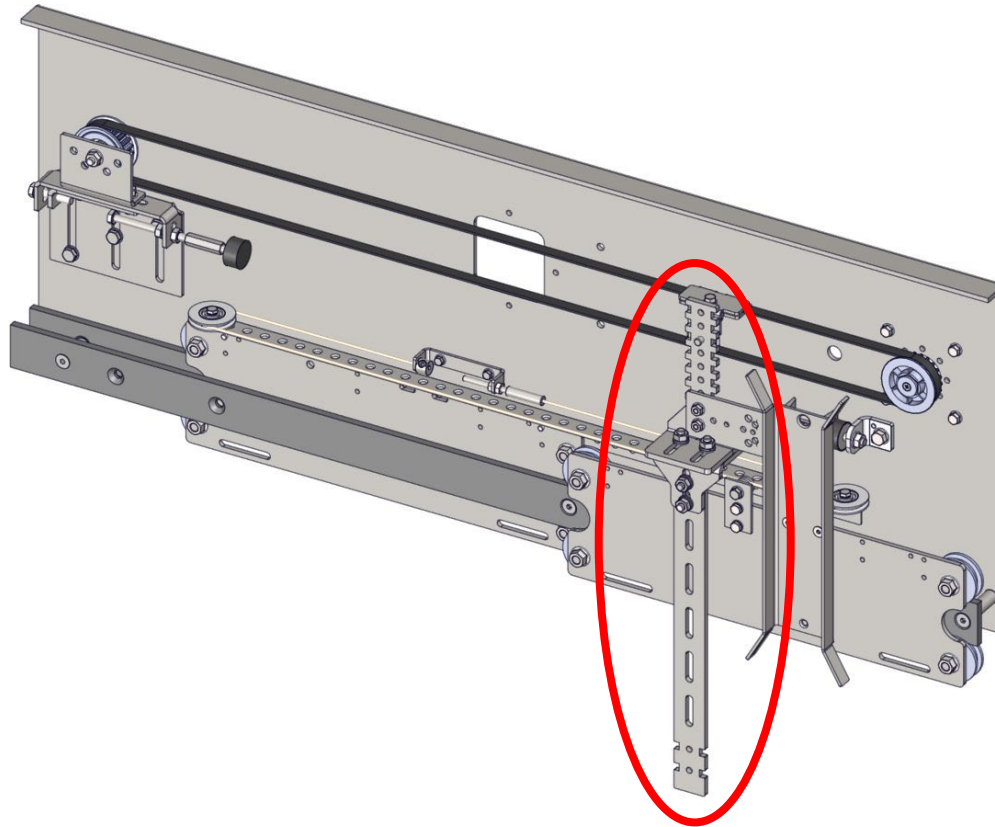
**TR spiegelbildlich –
TR mirrored**

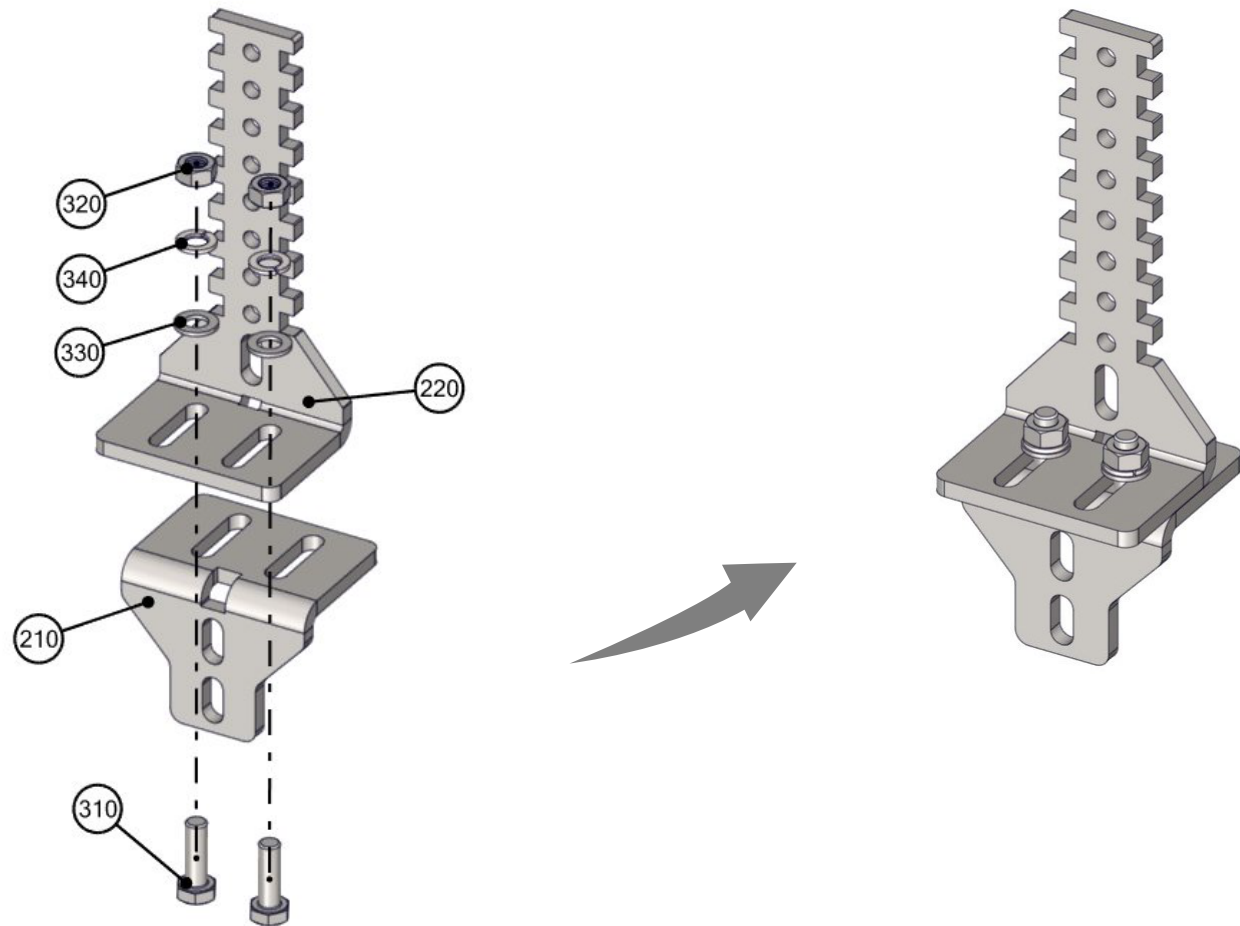
Nach Demontage – **after disassembly**



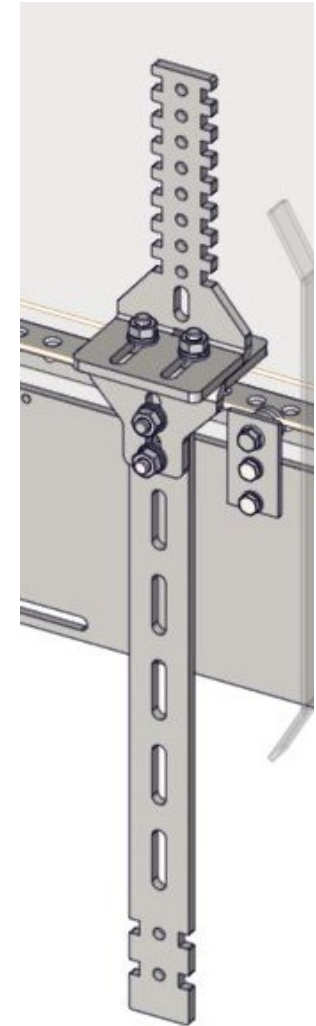
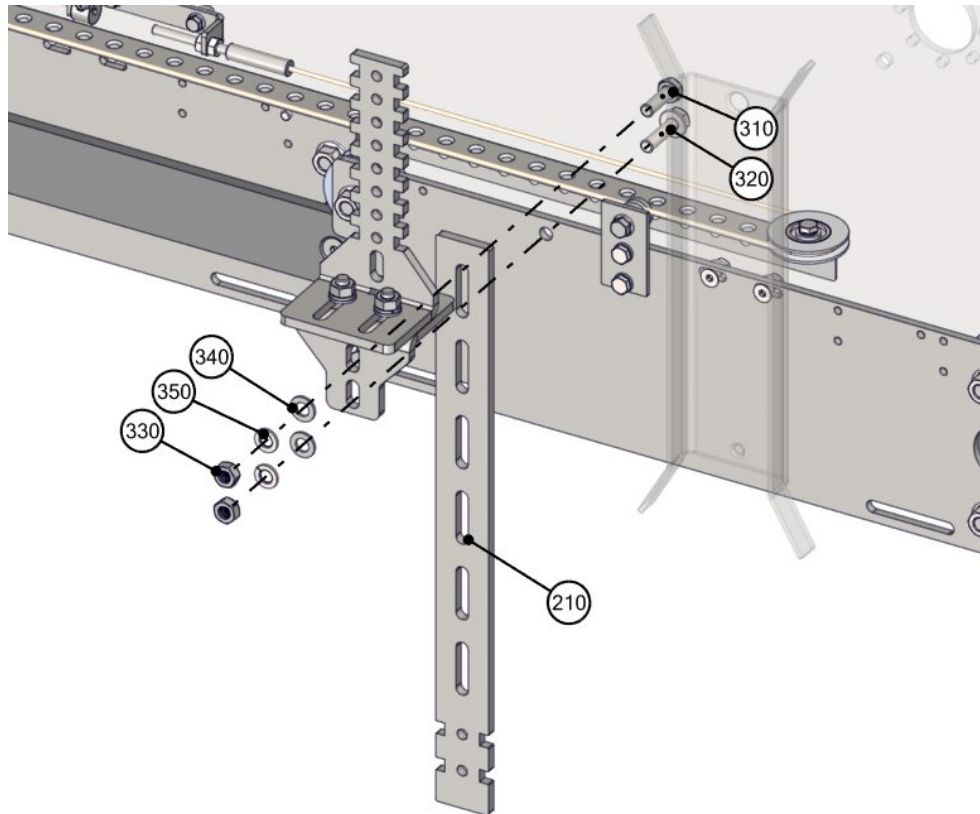
TR spiegelbildlich –
TR mirrored

Montage Türflügelmitnehmer – assembly of the door panel coupler

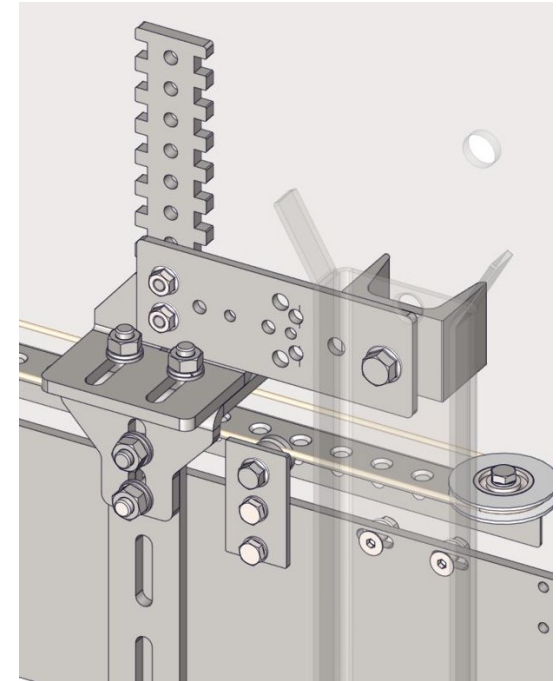
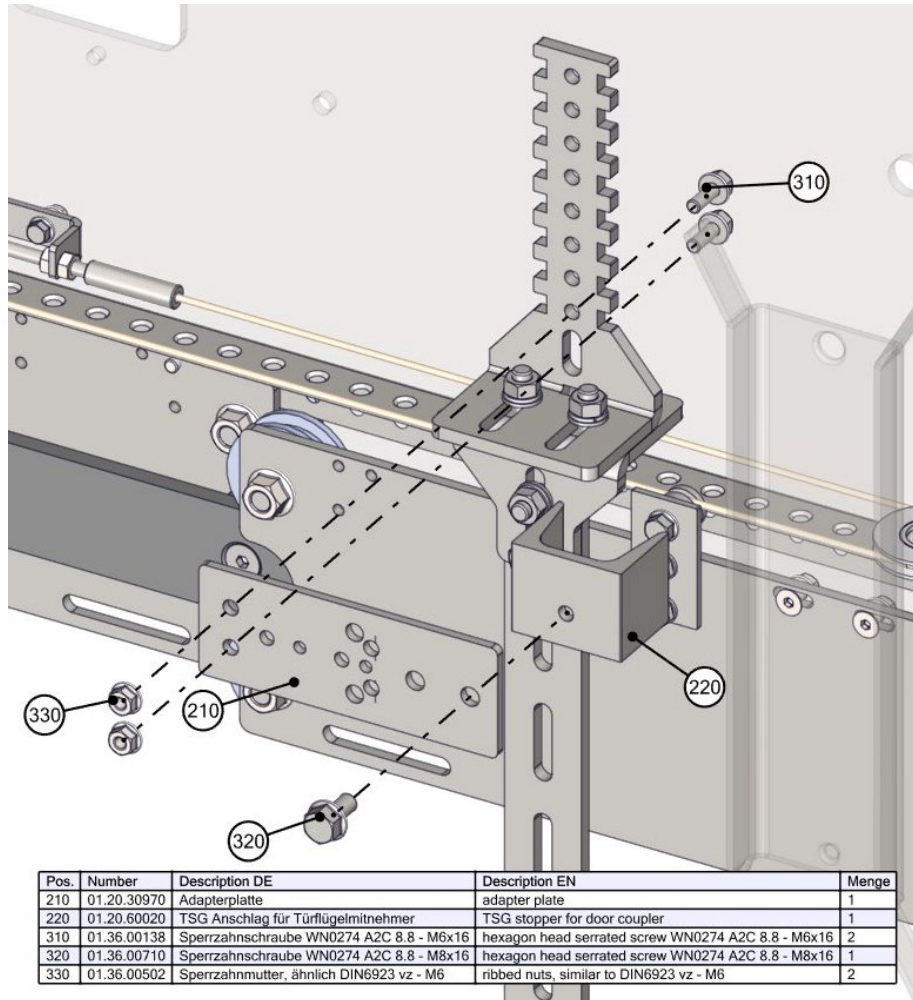




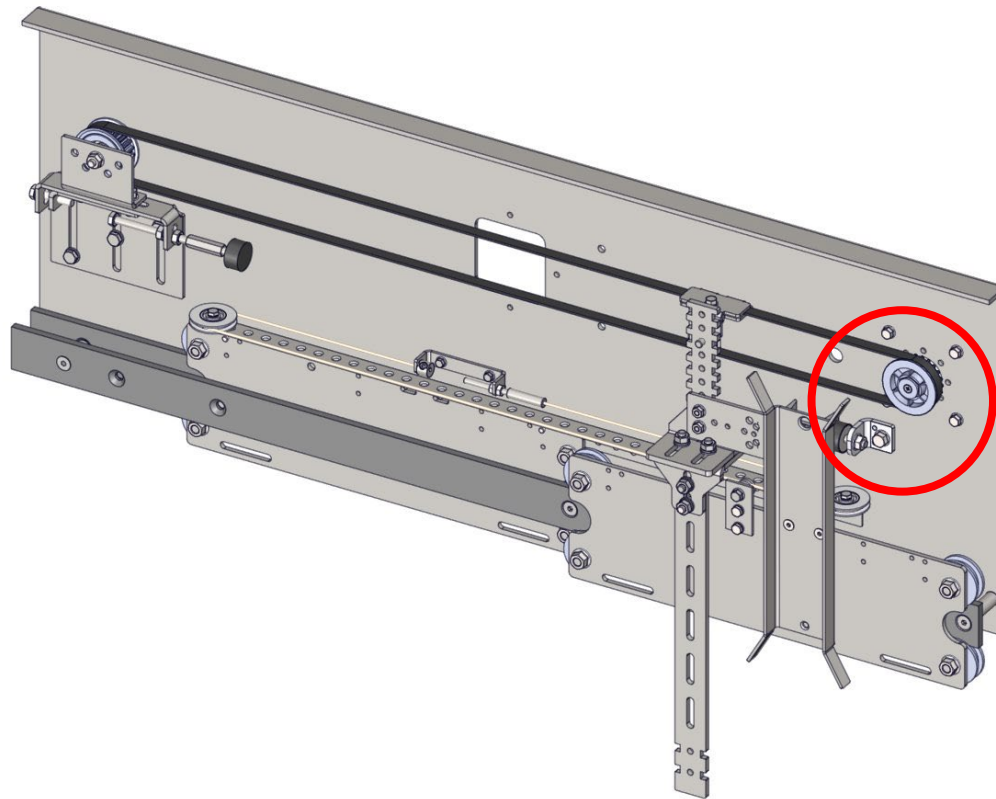
Pos.	Number	Description DE	Description EN	Menge
210	01.20.60075	rechtwinkliges Verbindungsblech TSG Mitnehmer, mit Langlöcher	right-angled connecting plate TSG driver	1
220	01.20.92020	Türflügelmitnehmer, rechtwinklig mit Langlöcher	TSG door panel coupler, rectangular, with oblong holes	1
310	01.36.00176	Sechskantschraube ISO 4017 - M8x25 - 8.8, vz	hexagonal bolt, thread up to head DIN933 vz 8.8 - 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	2
340	01.36.00169	Federring DIN127 vz - M8	lock washer DIN127 vz - M8	2

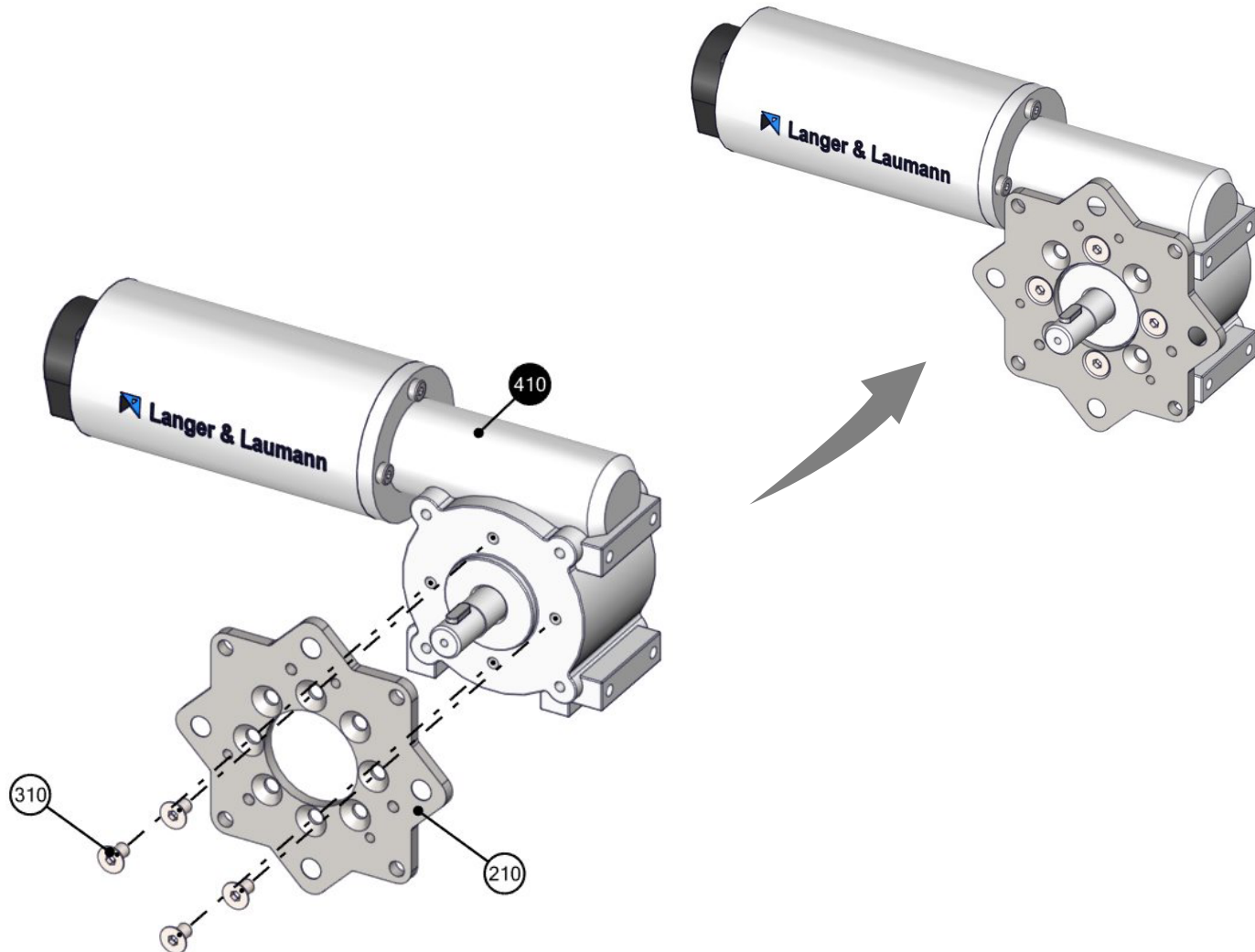


Pos.	Number	Description DE	Description EN	Menge
210	01.20.60004	Türflügelmitnehmer 375x35x6	TSG door panel coupler 375x35x6	1
310	01.36.00176	Sechskantschraube ISO 4017 - M8x25 - 8.8, vz	hexagonal bolt, thread up to head DIN933 vz 8.8 - M8x25	1
320	01.36.00730	Sperrzahnschraube WN0274 A2C 8.8 - M8x30	hexagon head serrated screw WN0274 A2C 8.8 - M8x30	1
330	01.36.00430	Sechskantmutter ISO 4032 - M8 - 8, vz	hexagon nut DIN934-8 vz 8.8 - M8	2
340	01.36.00440	Scheibe ISO 7091-M8 (Ø9)-100HV (DIN126), vz	washer DIN125A vz - 8,4	2
350	01.36.00169	Federring DIN127 vz - M8	lock washer DIN127 vz - M8	2

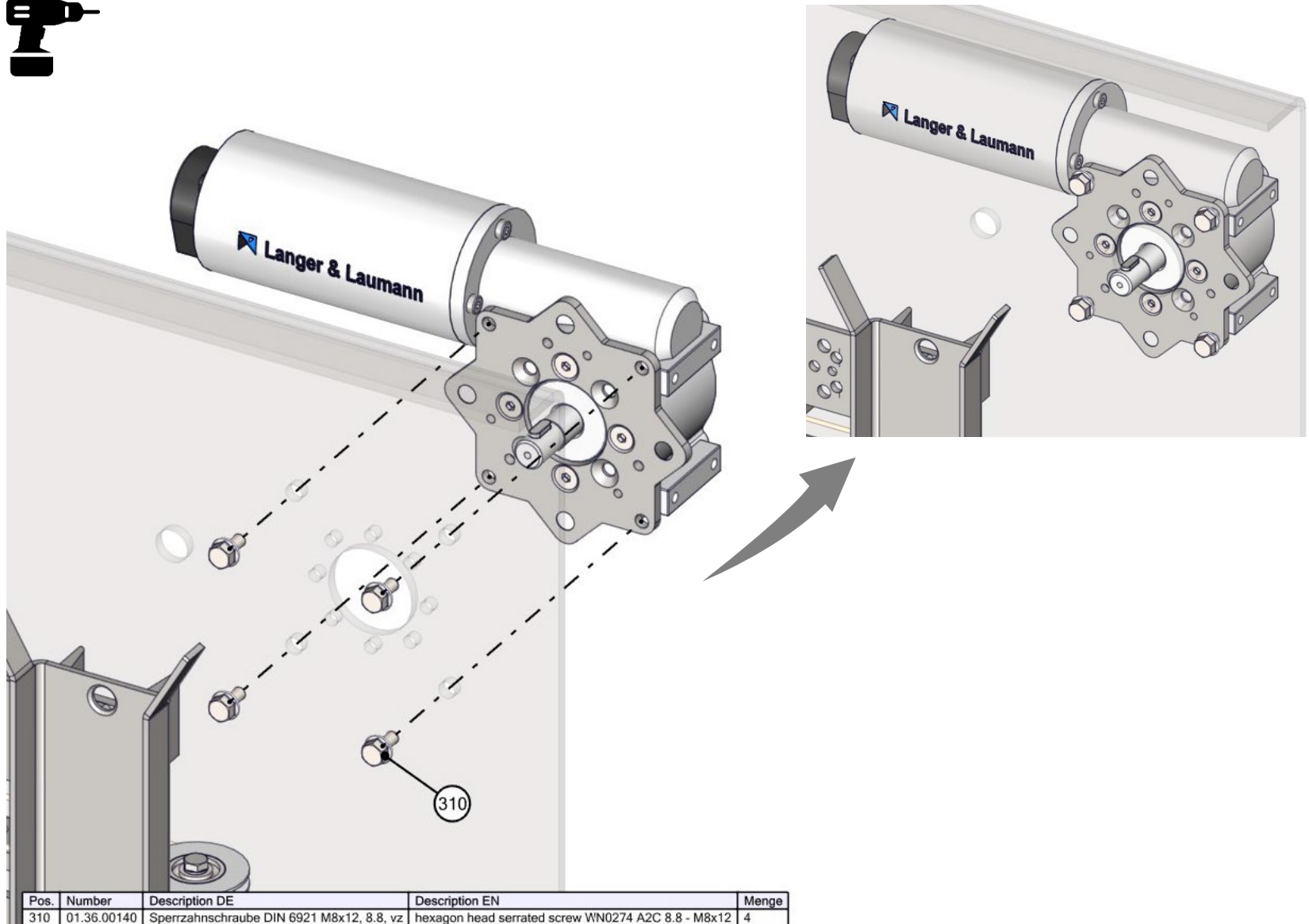


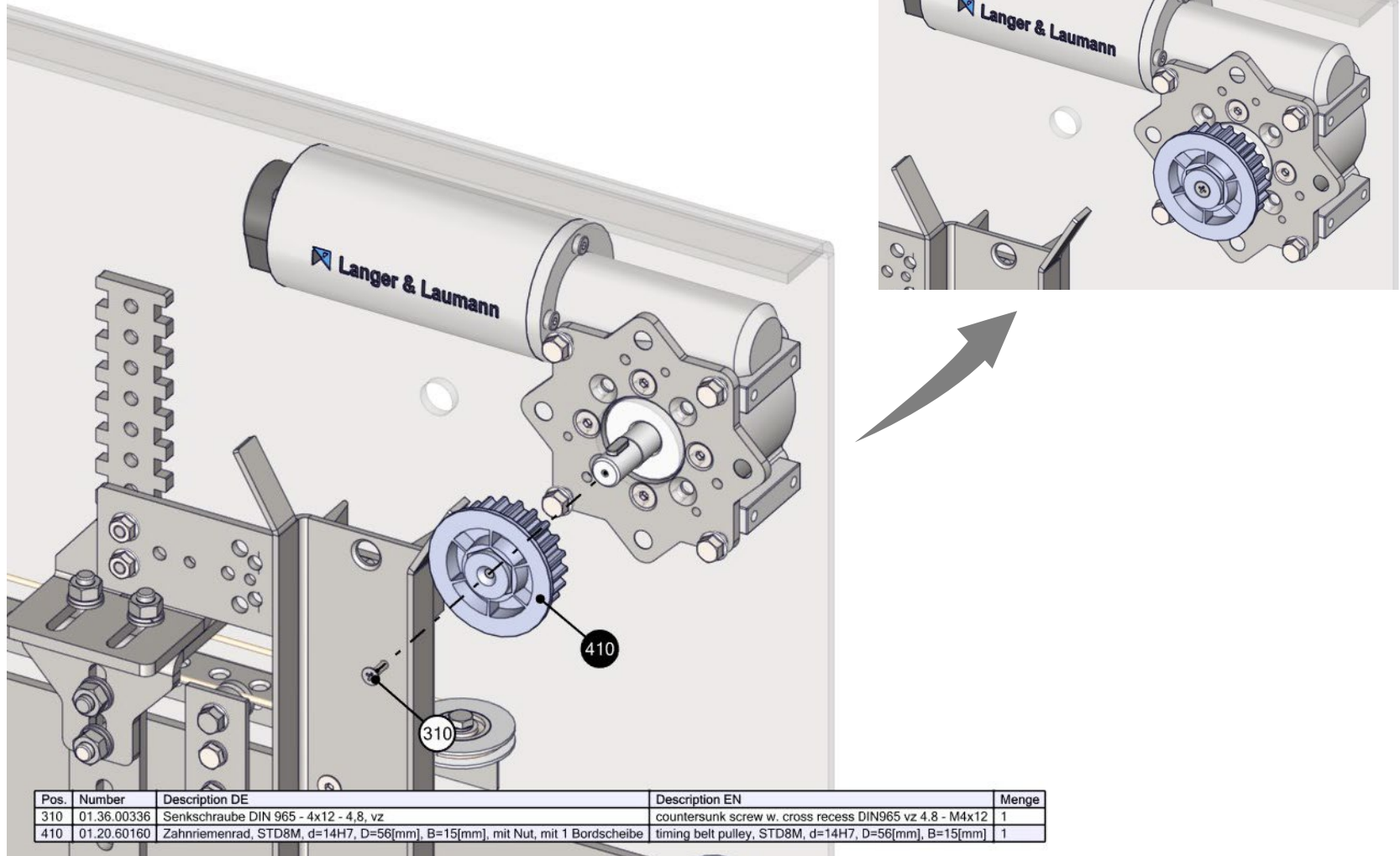
Montage Motor und Puffer – **assembly** **of the motor and bumper**

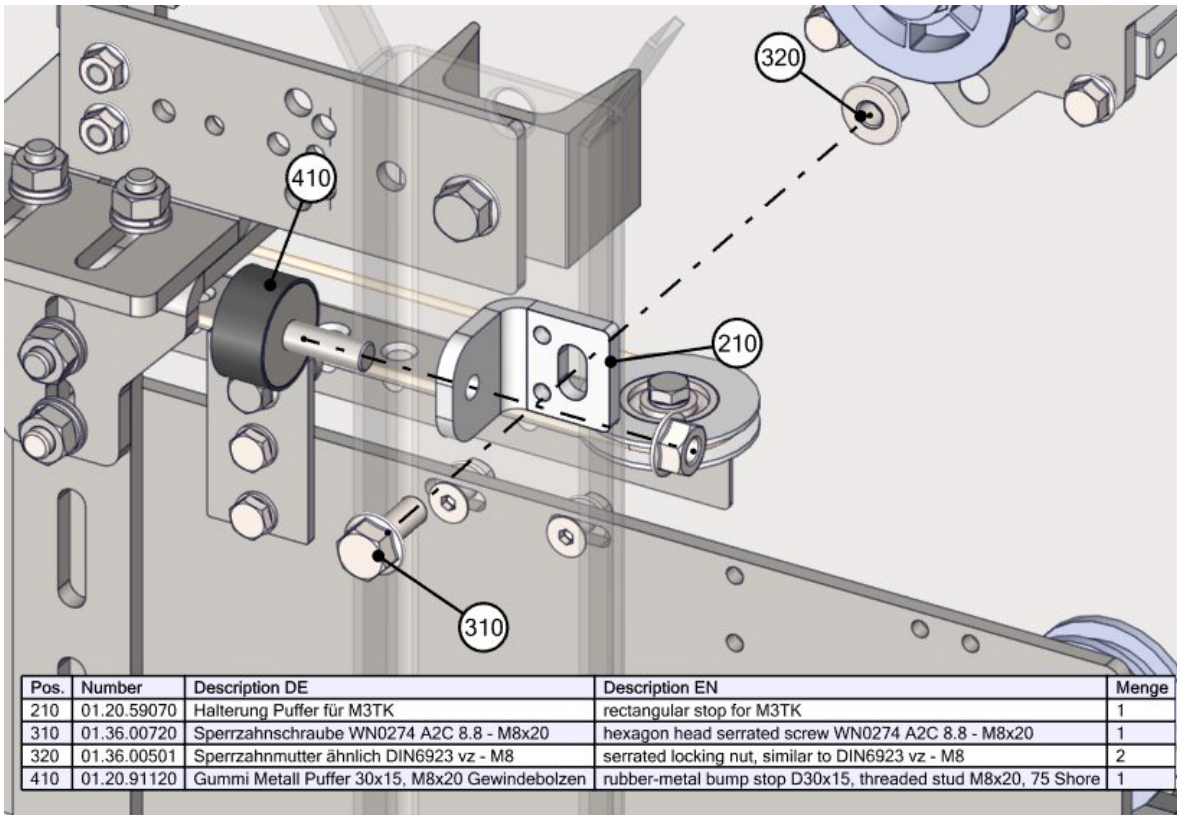
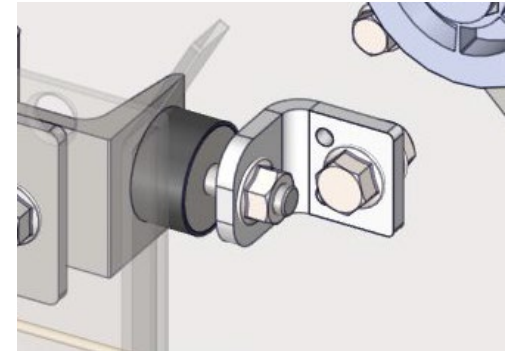




Pos.	Number	Description DE	Description EN	Menge
210	01.20.60350	Motoradapterplatte sternförmig	motor adapter plate star-shaped	1
310	01.36.00359	Senkschraube m. Innensechskant ISO10642-M6x10-8.8	countersunk head screw w. recessed head DIN7991 vz8.8 - M6x10	4
410	08.20.40003.K1	Motor Gross Links & Getriebe, ohne Zahnrad, 24V/5,1A/1:15	motor large left & gearbox, without wheel, 24V/5,1A/1:15	1

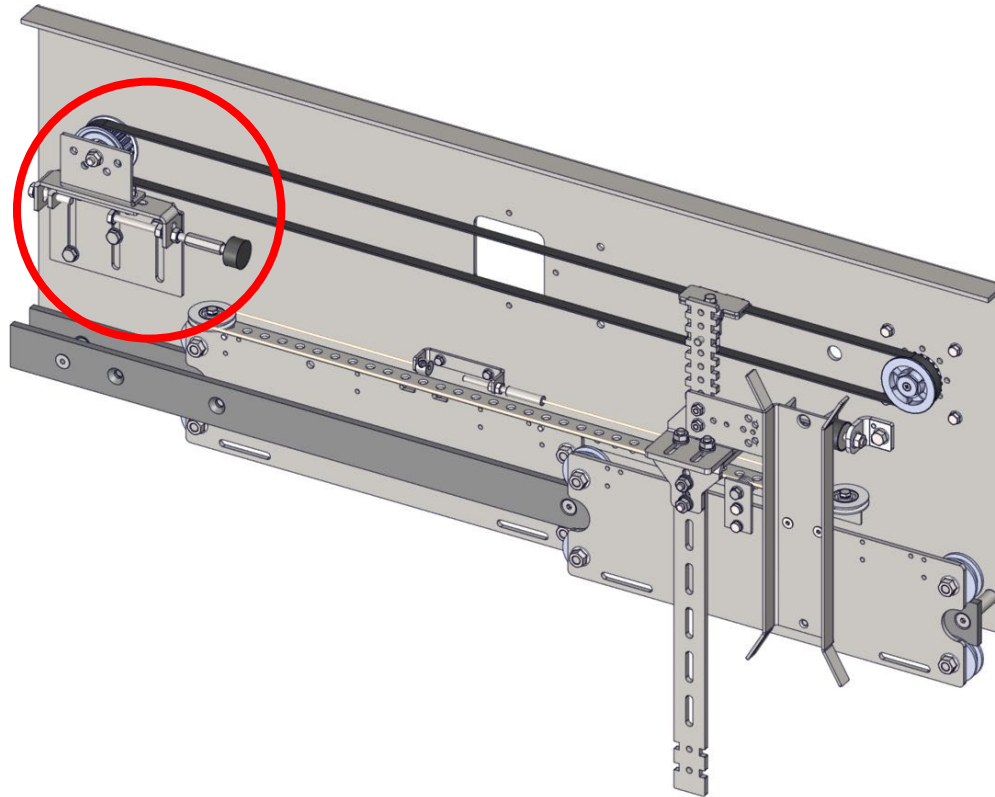


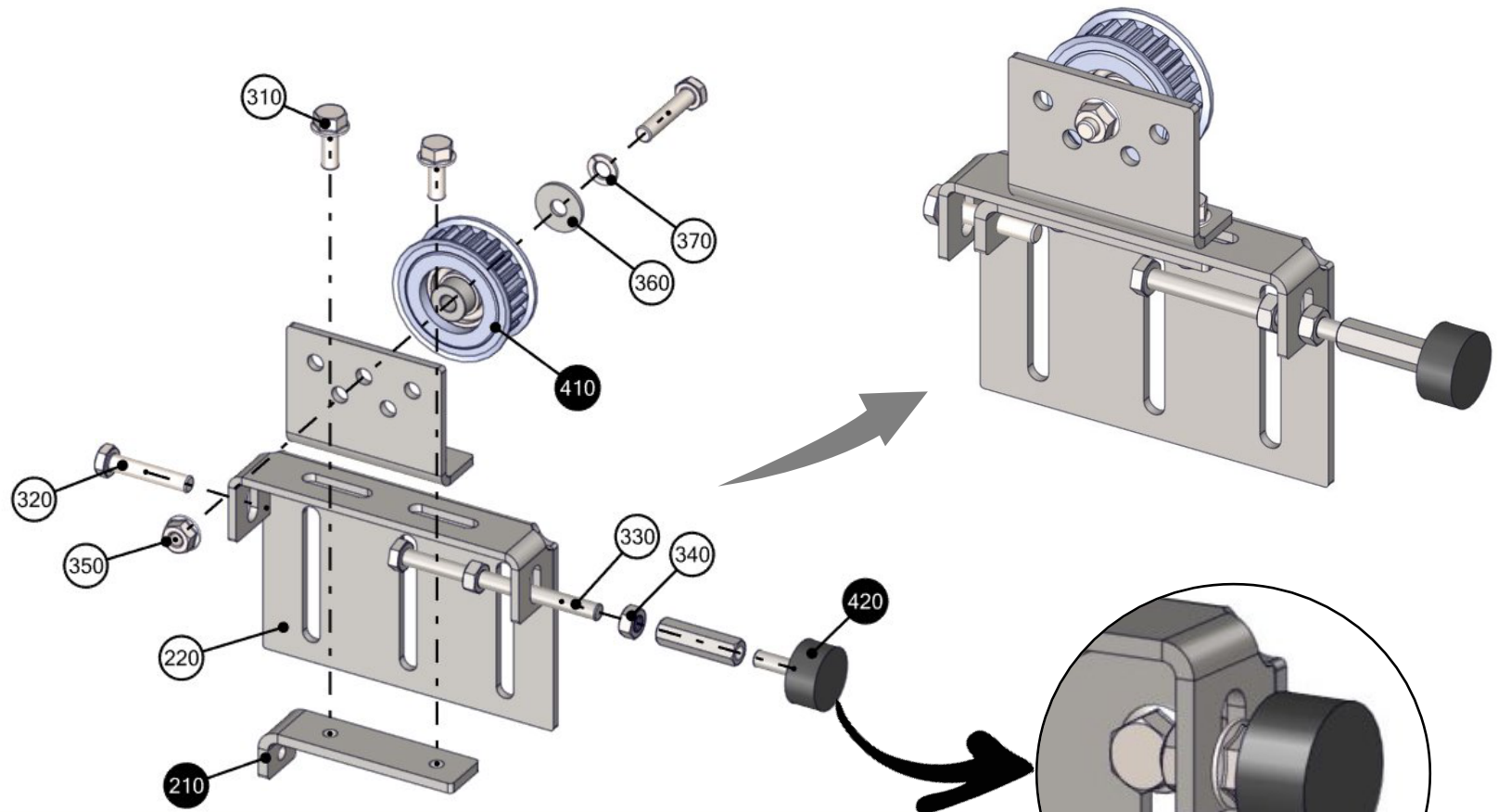




Pos.	Number	Description DE	Description EN	Menge
210	01.20.59070	Halierung Puffer für M3TK	rectangular stop for M3TK	1
310	01.36.00720	Sperrzahnschraube WN0274 A2C 8.8 - M8x20	hexagon head serrated screw WN0274 A2C 8.8 - M8x20	1
320	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking 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

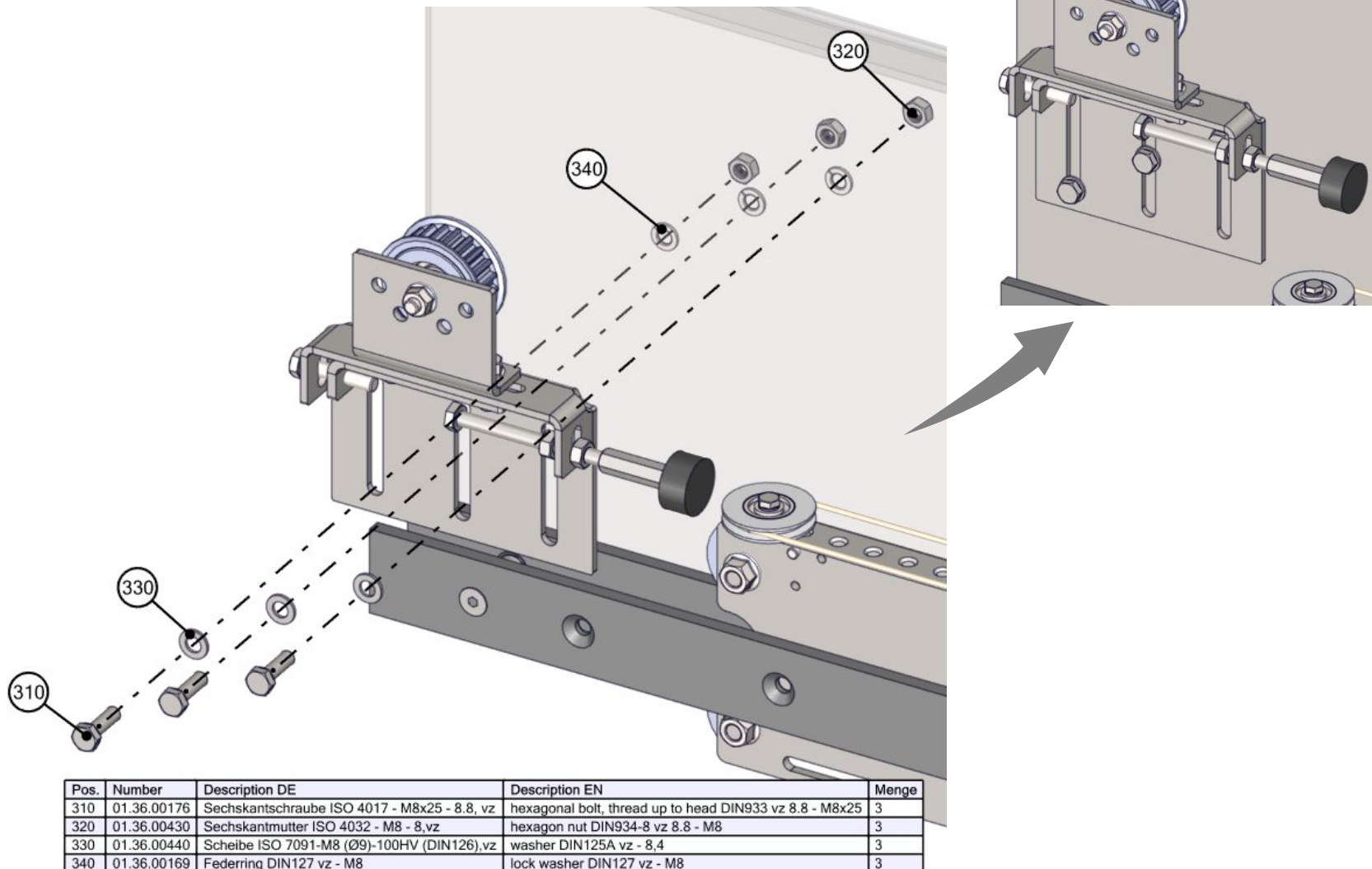
Montage Umlenkrolle und Puffer – **assembly of the counter roller and bumper**



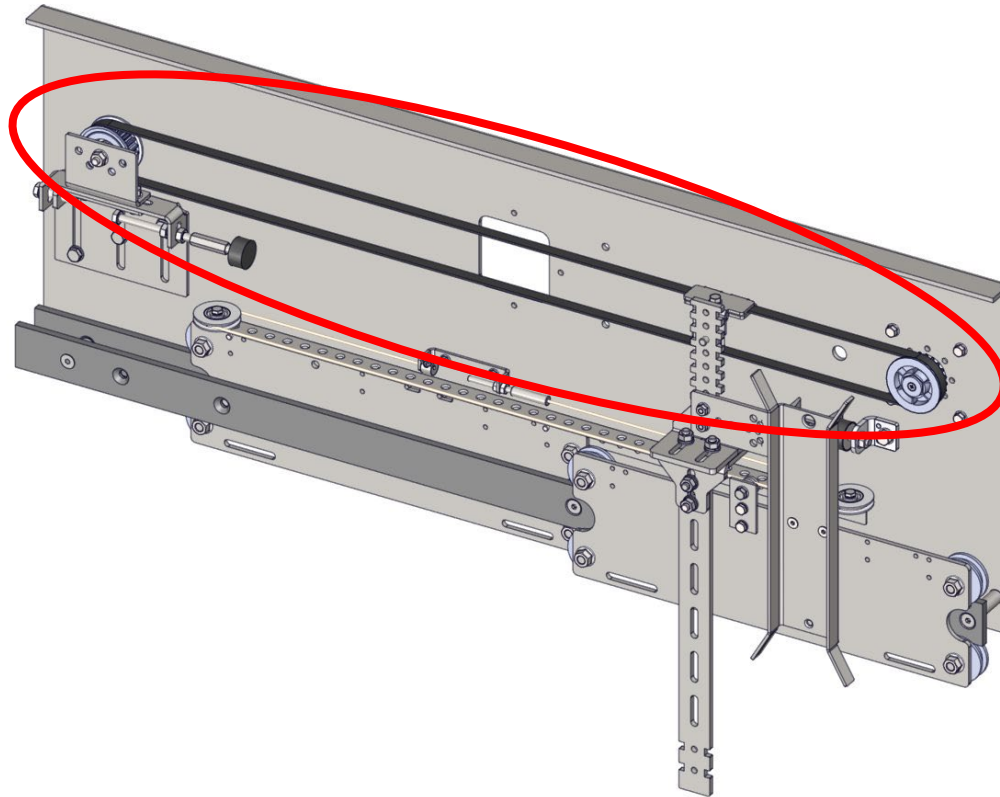


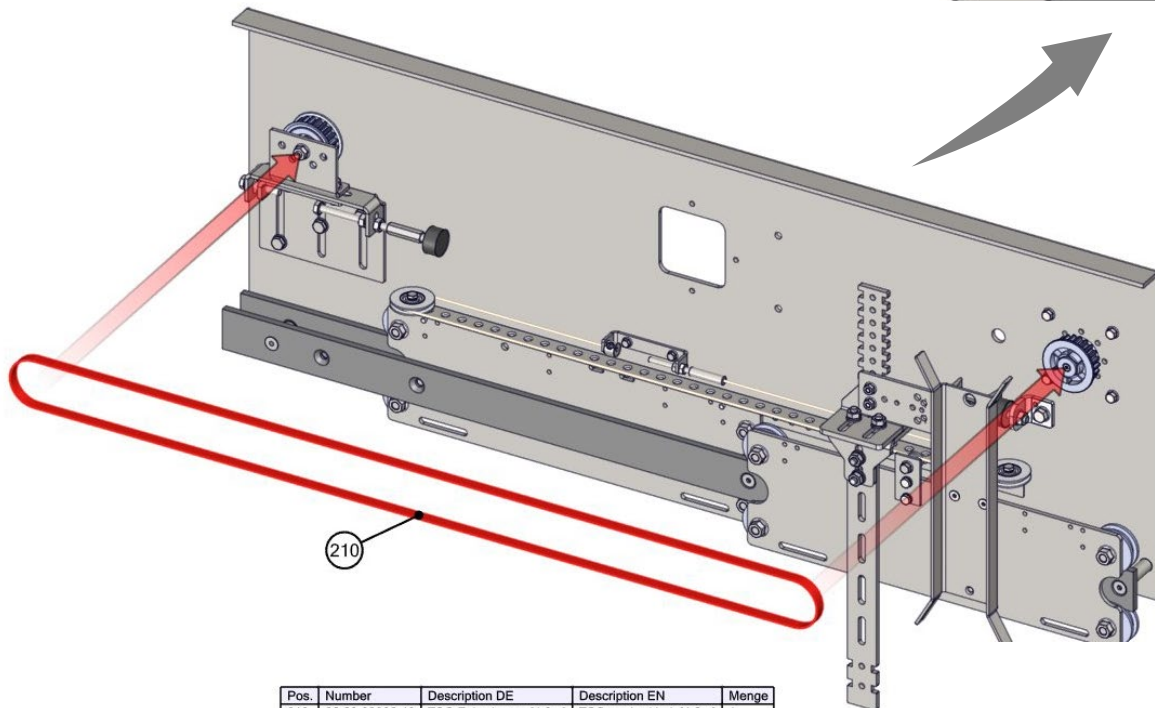
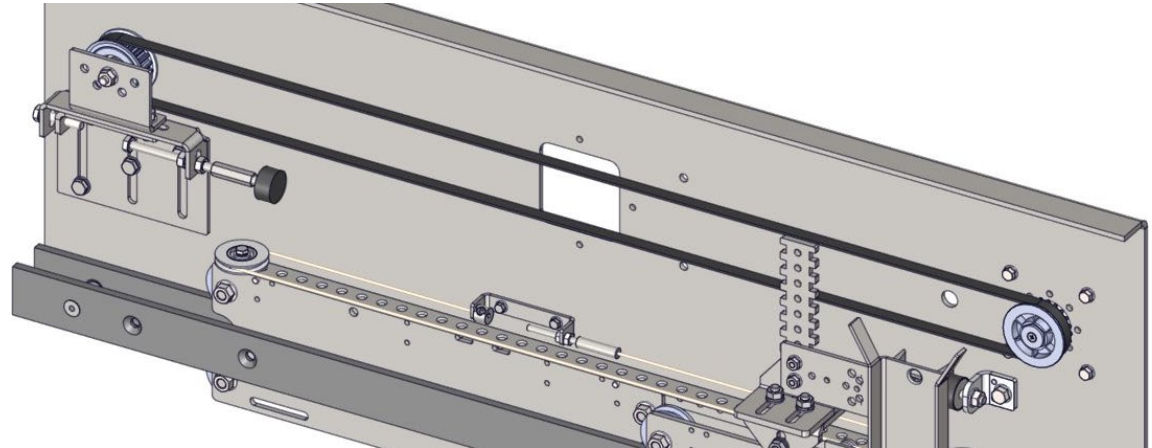
**Alternative Puffermontage –
alternative bumper mounting**

Pos.	Number	Description DE	Description EN	Menge
210	01.20.60013	Halterung Umlenkrad mit Spannlasche	TSG bracket for counter roller	1
220	01.20.60070	Winkel für Spannstation schmale Ausführung	TSG universal bracket counter side, slim design (35mm)	1
310	01.36.00720	Sperrzahnschraube WN0274 A2C 8.8 - M8x20	hexagon head serrated screw WN0274 A2C 8.8 - M8x20	2
320	01.36.00115	Sechskantschraube Vollgewinde DIN933 vz 8.8 - M8x40	hexagonal bolt, thread up to head DIN933 vz 8.8 - M8x40	2
330	01.36.00177	Sechskantschraube ISO 4017 - M8 x 100 - 8.8, vz	hexagonal bolt, thread up to head DIN933 vz 8.8 - M8x100	1
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	1
360	01.36.00450	Kotflügelscheibe DIN522 vz - 8,4x20x1,25	wing repair washer DIN522 vz - 8,4x20x1,25	1
370	01.36.00169	Federring DIN127 vz - M8	lock washer DIN127 vz - M8	1
410	01.20.60003	Tüte Umlenkrad	TSG counter roller	1
420	01.20.60030	TSG Anschlagssatz Puffer inkl. Halterung	TSG stopper kit buffer incl. holder	1

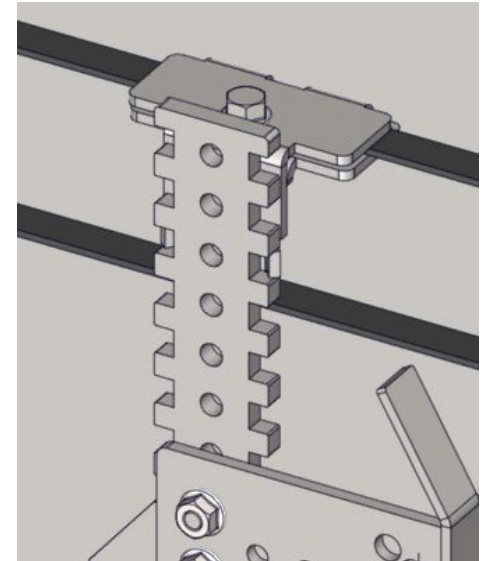
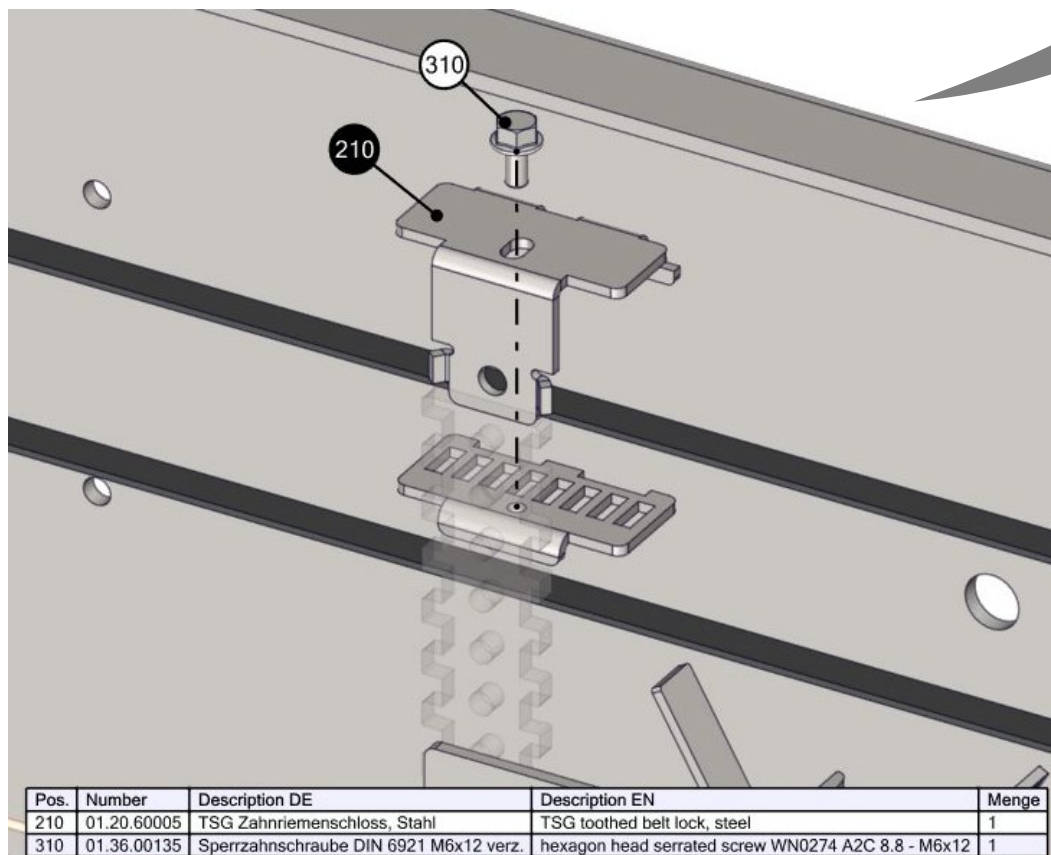


Montage Zahnriemen – assembly of the toothed belt

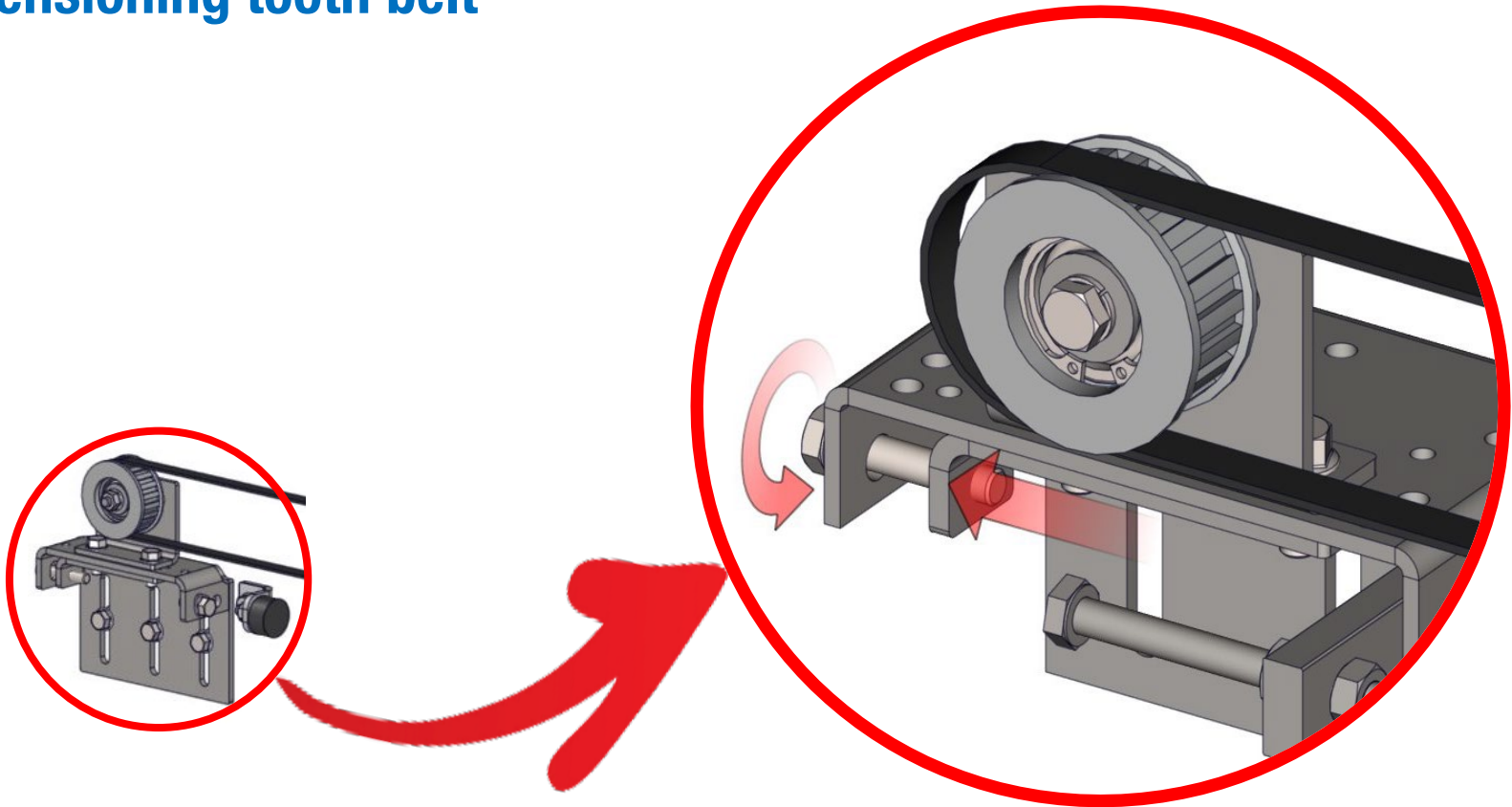


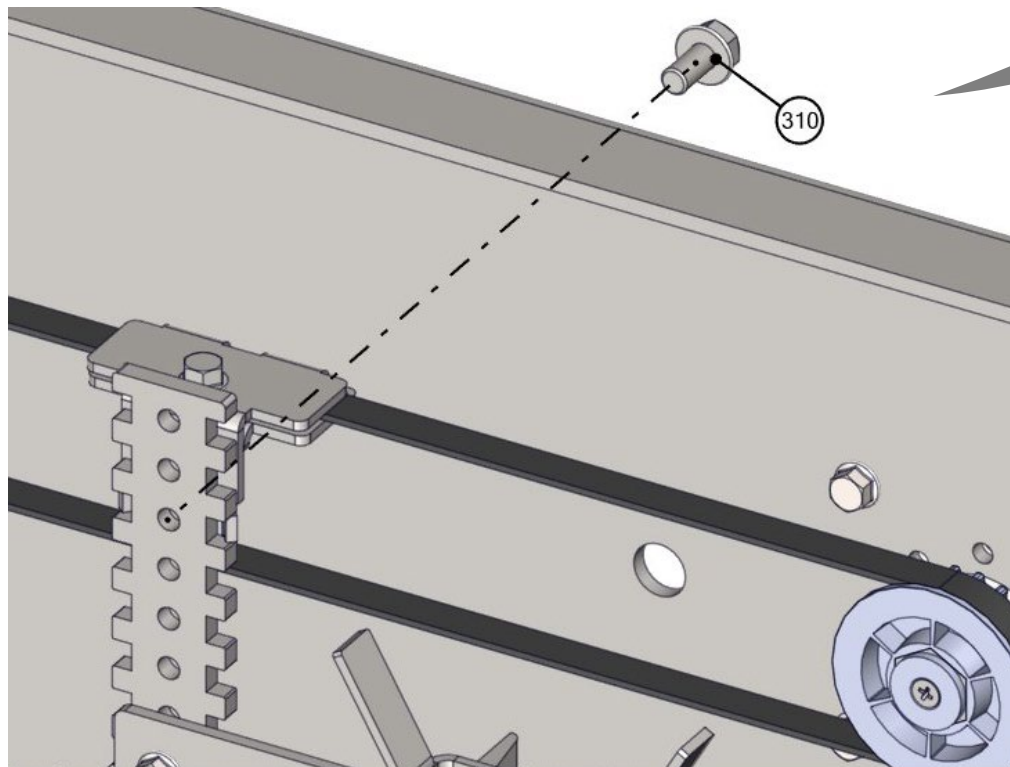


Pos.	Number	Description DE	Description EN	Menge
210	08.20.60002.40	TSG Zahnriemen [4,0m]	TSG toothed belt [4,0m]	1

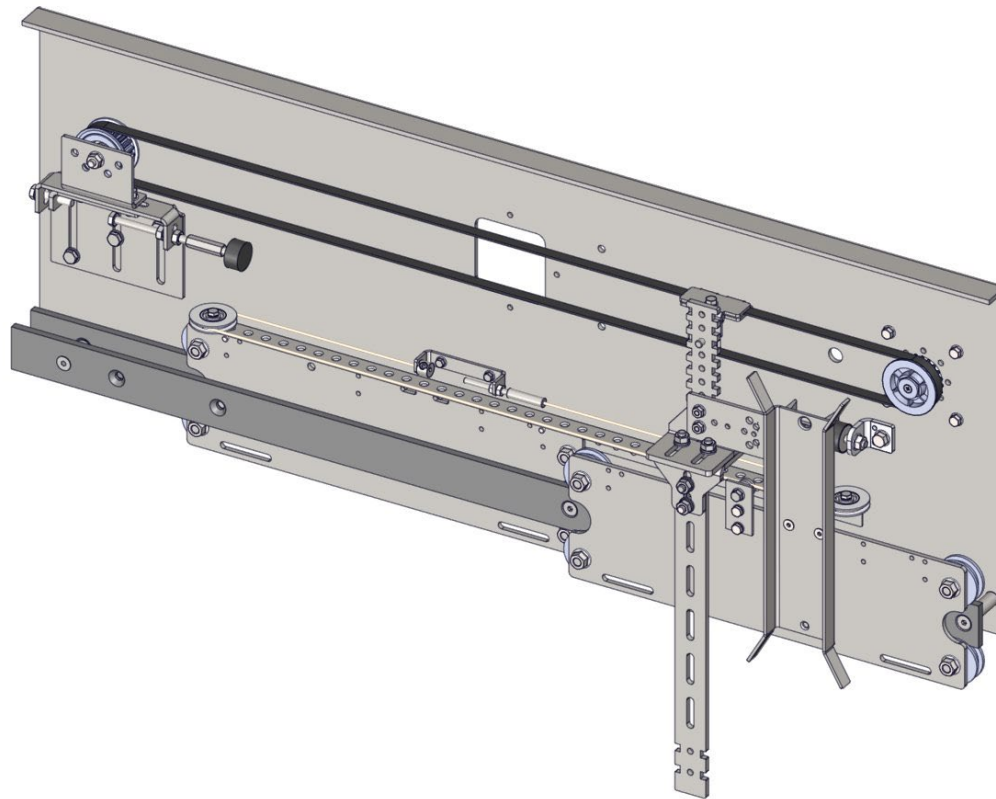


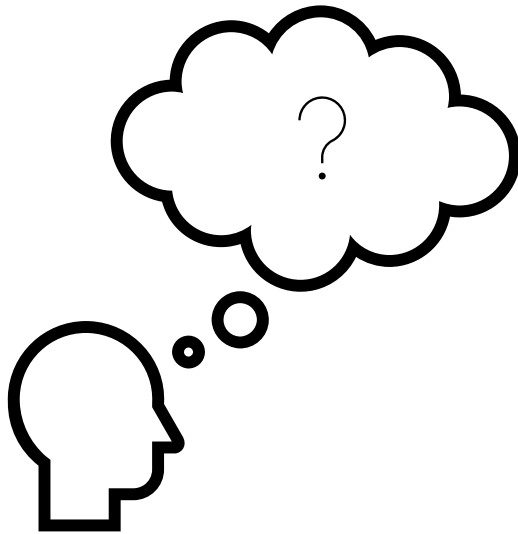
Zahnriemen spannen – tensioning tooth belt





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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