

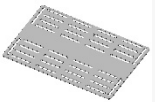
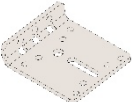
Assembly Instruction

TSG in Kone MAC 1 and 2 -

**Kone MAC 1 p. 9-30 –
Kone MAC 2 p. 31-51 –**

scope of supply



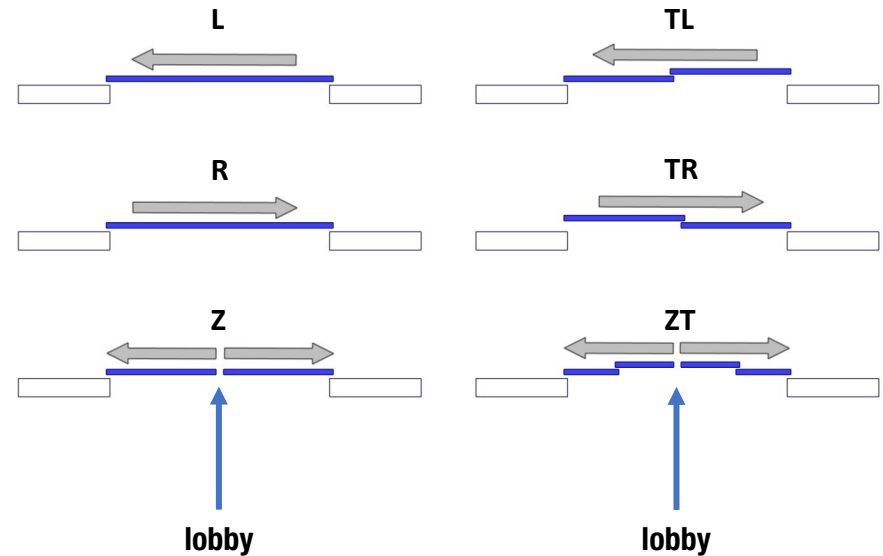
picture	number	description EN	quantity
	8.20.xxxxx.04	TSG V4 Lift Door Operator -Electronic extern- 230[VAC]/50-60	1
	8.20.4000x.X1	motor large left & gearbox, with wheel, 24V/5,1A/1:15	1
	1.20.23200	universal bracket "hat" (motor + pillow)	1
	1.20.23220	clamping plate for universal bracket "hat"	1
	1.20.60915	base plate motor for conversion package	1
	1.20.60532	clamping bracket for drive bracket	1
	1.20.60007	TSG toothed belt lock, steel, mirror image	1
	1.20.60160	timing belt pulley, STD8M, d=14H7, D=56[mm], B=15[mm]	1

picture	Number	description EN	quantity
	1.20.60900	guard plate fornt for univ. toothed belt wheel D14,5 Inch, screw-on hub for tapered clamping bush 1210	1
	1.20.60901	guard plate back for univ. toothed belt wheel D14,5 Inch, screw-on hub for tapered clamping bush 1210	1
	1.20.60905	carrier toothed belt lock for univ. toothed beld wheel, D=14,5 Inch	1
	1.20.60910	guide plate for lever arm Kone MAC 1	2
	1.20.60920	buffer holder right for univ. toothed belt wheel D14,5 Inch	1
	1.20.60921	buffer holder left for univ. toothed belt wheel D14,5 Inch	1
	1.20.96110	timing belt pulley, STD8M, d=18H7, D=112[mm], B=15[mm]	1
	1.20.85150	pillow block bearing UPC 20mm	2
	1.20.23230	diverter shaft for 2to1 transmission	1

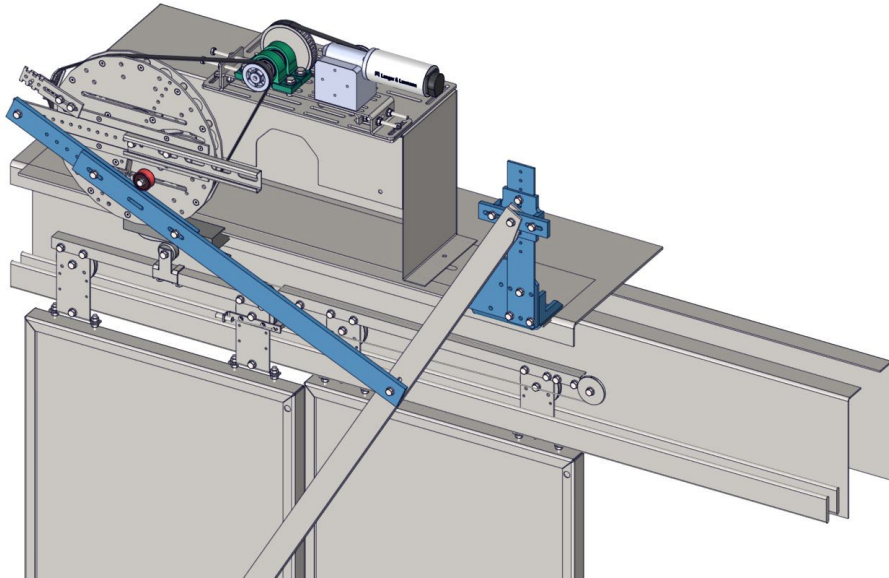
picture	Number	description EN	quantity
	1.20.60870	screw-on hub for taper bush 1210	1
	1.20.60871,72,73	taper bush 1210 1/2, 3/4, 1 Inch	1,1,1
	1.20.61090	belt for special drive endless 584[mm], width 12[mm]	1
	8.20.60002.25	TSG toothed belt [2,5m]	1
	1.20.91120	rubber-metal bump stop D30x15, threaded stud M8x20, 75 Shore	2
	8.20.13570	screw bag for universal toothed belt wheel	1
	8.20.13575	screw bag for motor unit	1

door hand diagram

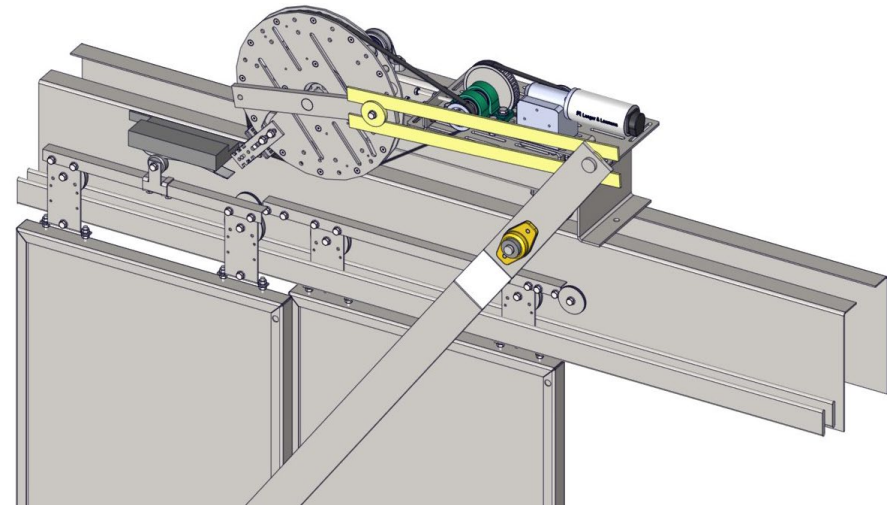
GER	BE	AE	FR
L (links öffnend)	L (left opening)	L (left opening)	OG (ouverture gauche)
R (rechts öffnend)	R (right opening)	R (right opening)	OD (ouverture droite télescopique)
TL (teleskopierend links öffnend)	TL (telescoping left opening)	TL (telescoping left opening)	OG (ouverture gauche télescopique)
TR (teleskopierend rechts öffnend)	TR (telescoping right opening)	TR (telescoping right opening)	OD (ouverture droite télescopique)
Z (zentral öffnend)	C (central opening)	C (central opening)	OC (ouverture centre)
ZT (zentral teleskopierend öffnend)	CT (central telescoping opening)	CT (central opening two speed)	OCT (ouverture centrale télescopique)
V (Vertikal öffnend)	V (vertical opening)	V (vertical opening)	OV (ouverture verticale)
FT (Falttür)	FD (folding door)	FD (folding door)	AOC (porte accordéon)



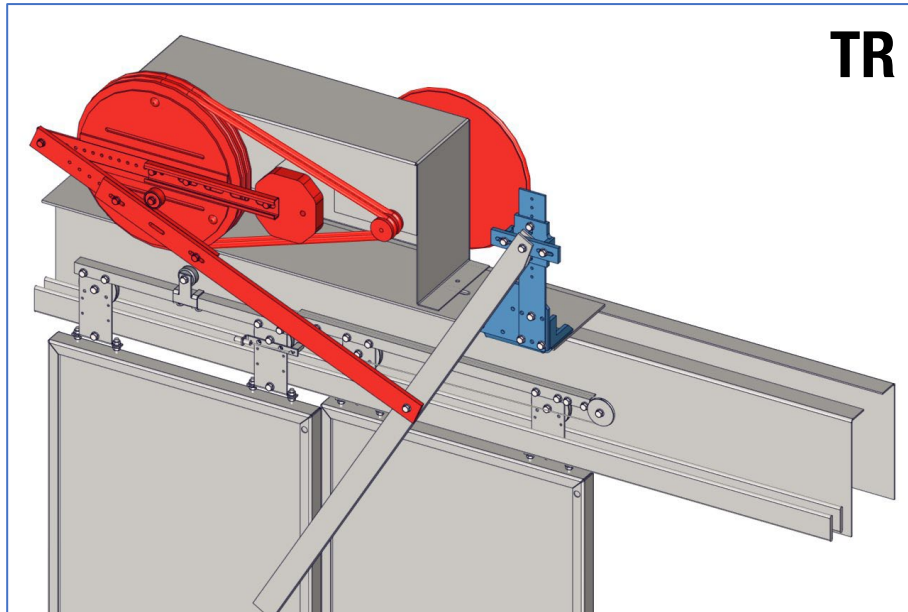
TSG in Kone MAC 1



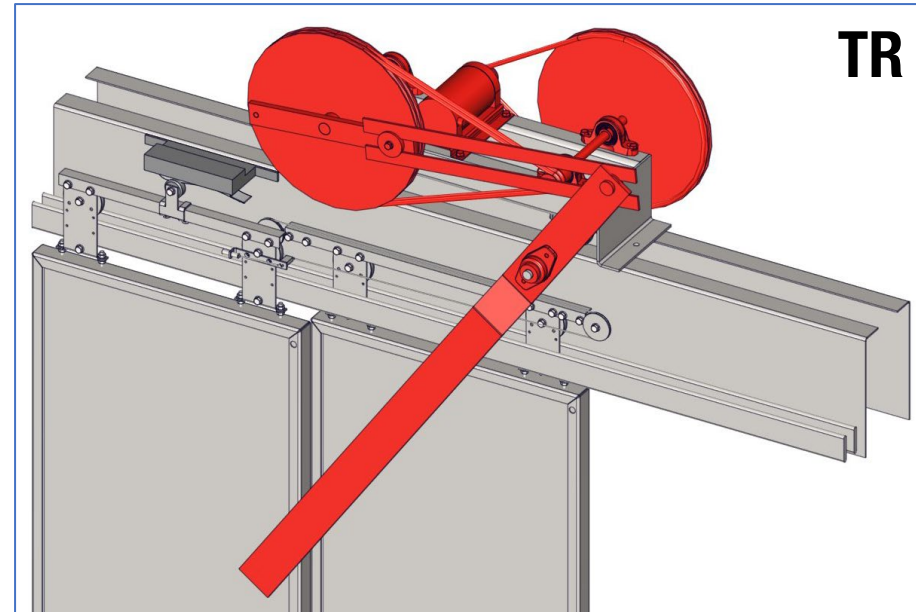
TSG in Kone MAC 2



remove before conversion



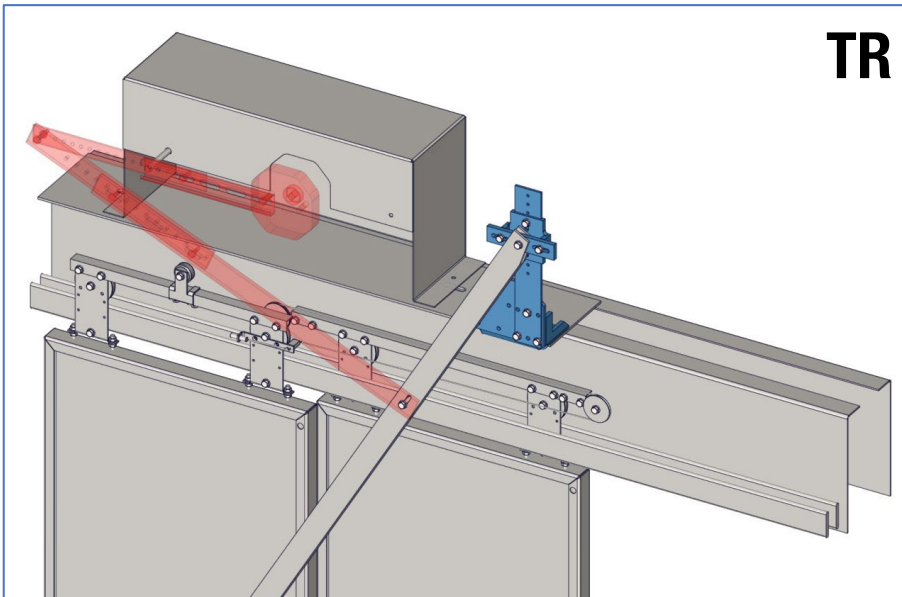
LH mirrored
C assamby as for TR



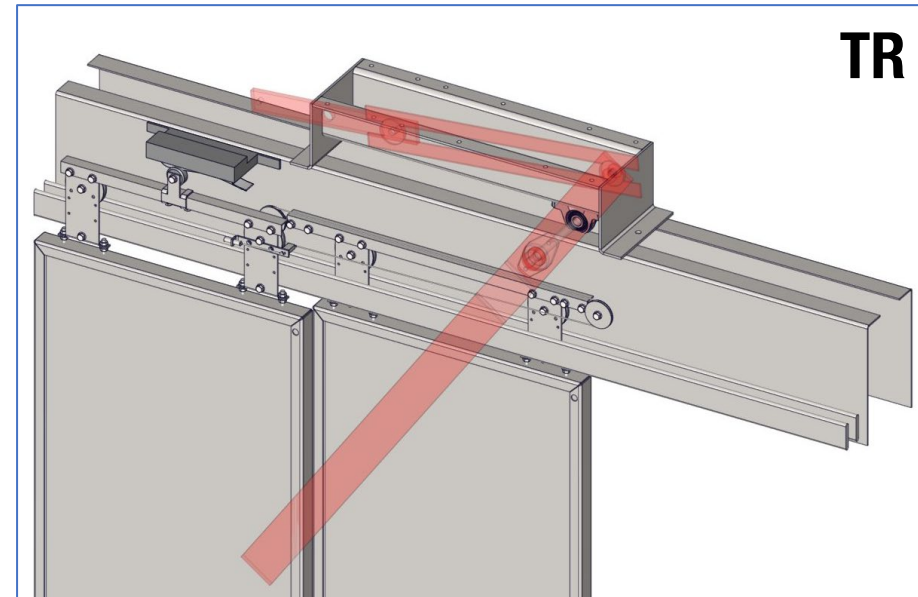
LH mirrored
C assamby as for TR

**the attachments of the sheave are disassembled and reused for the
assembly of the lever arms on the universal toothed belt wheel**

after disassembly



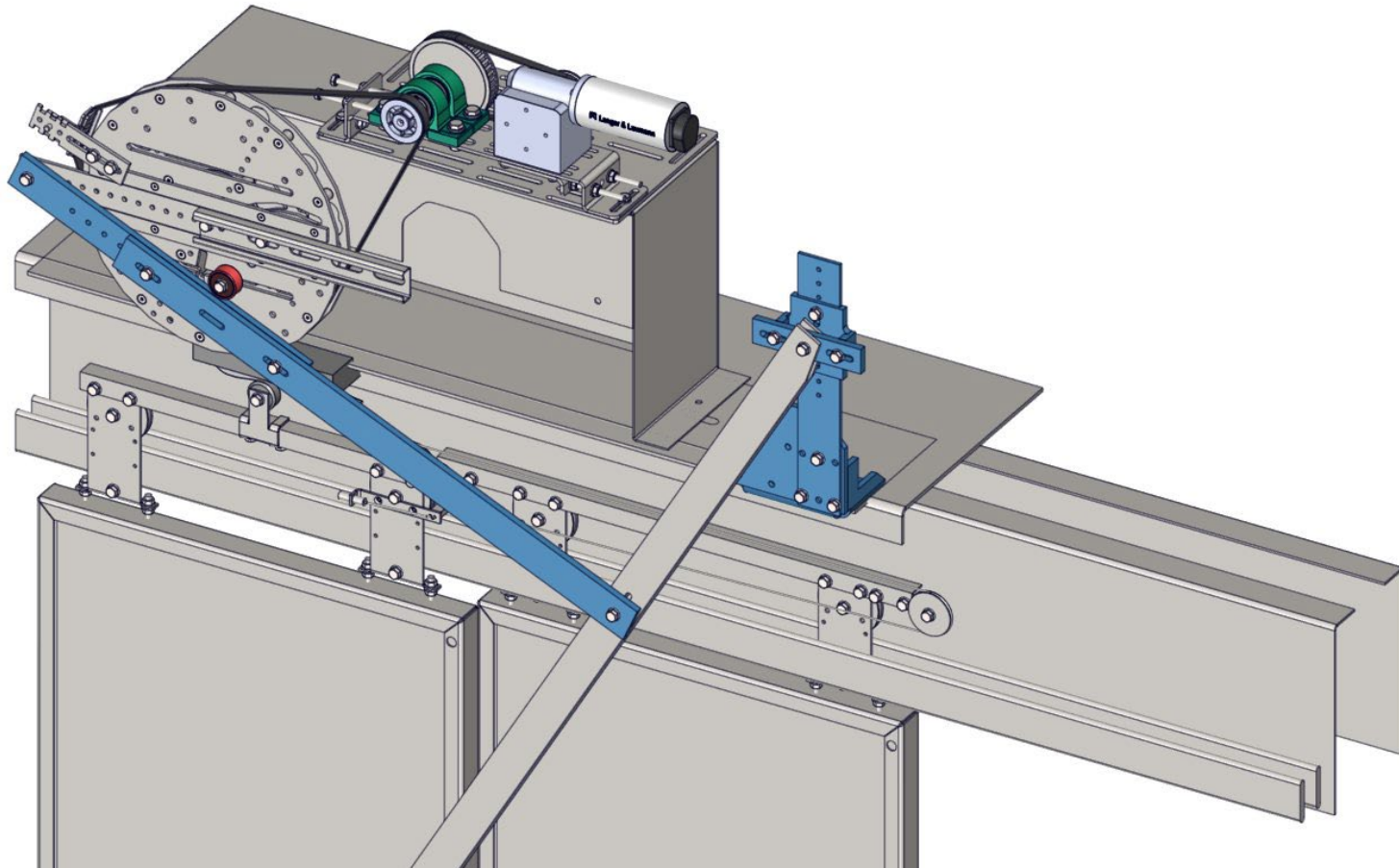
LH mirrored
C assamby as for TR



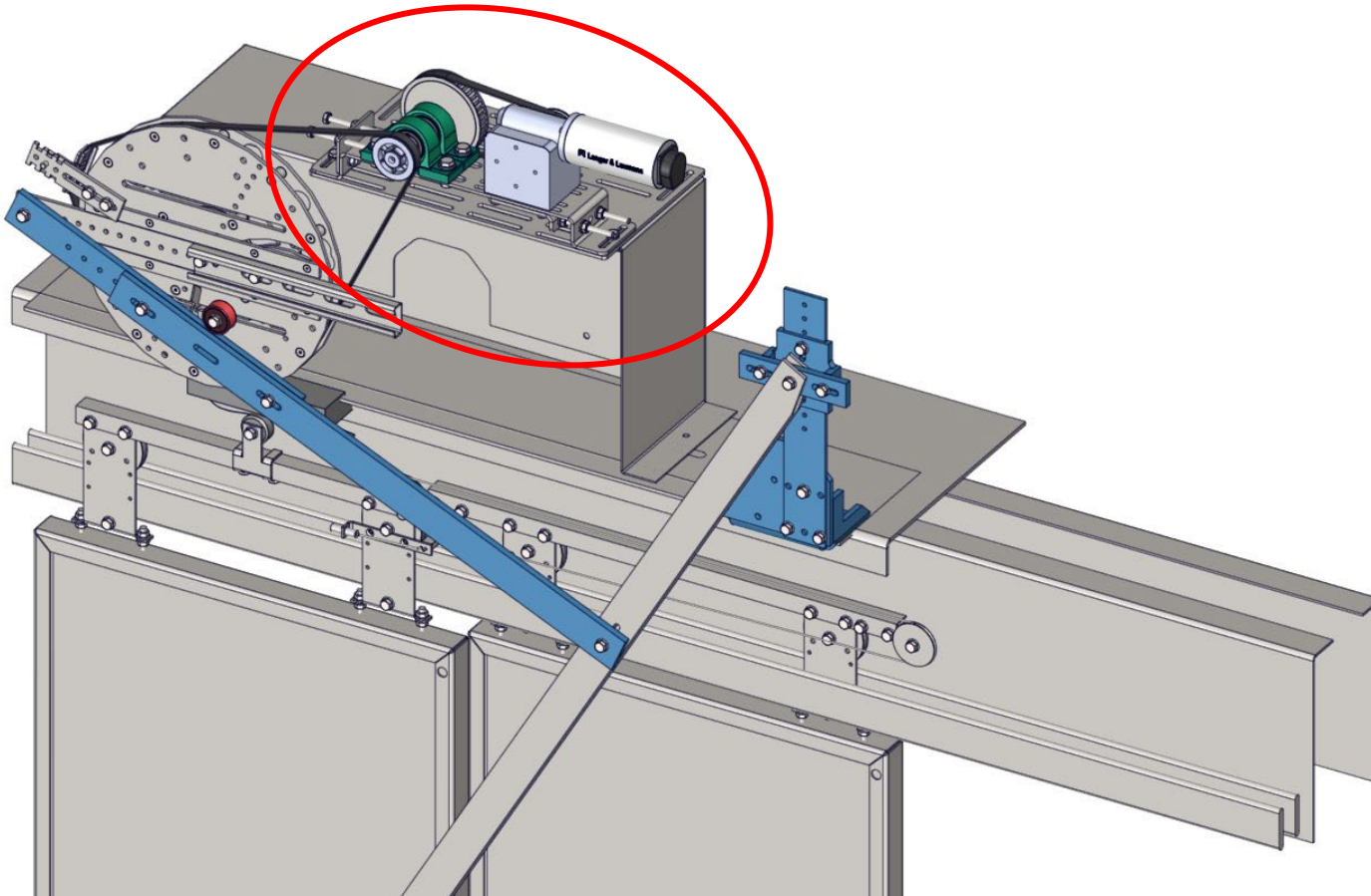
LH mirrored
C assamby as for TR

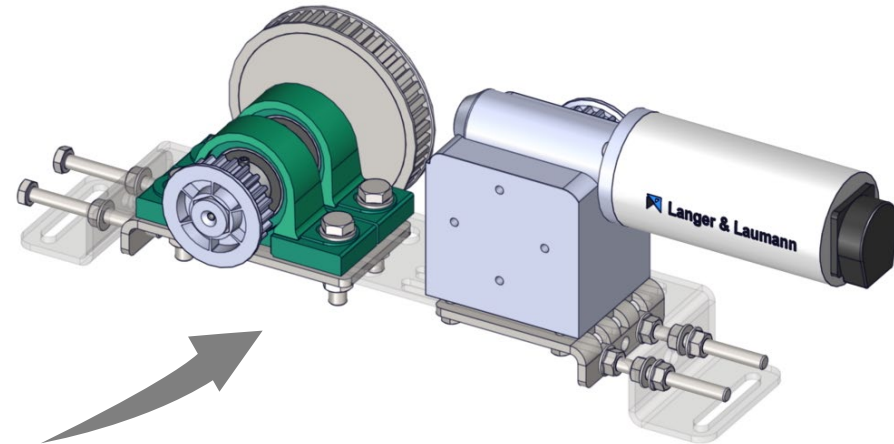
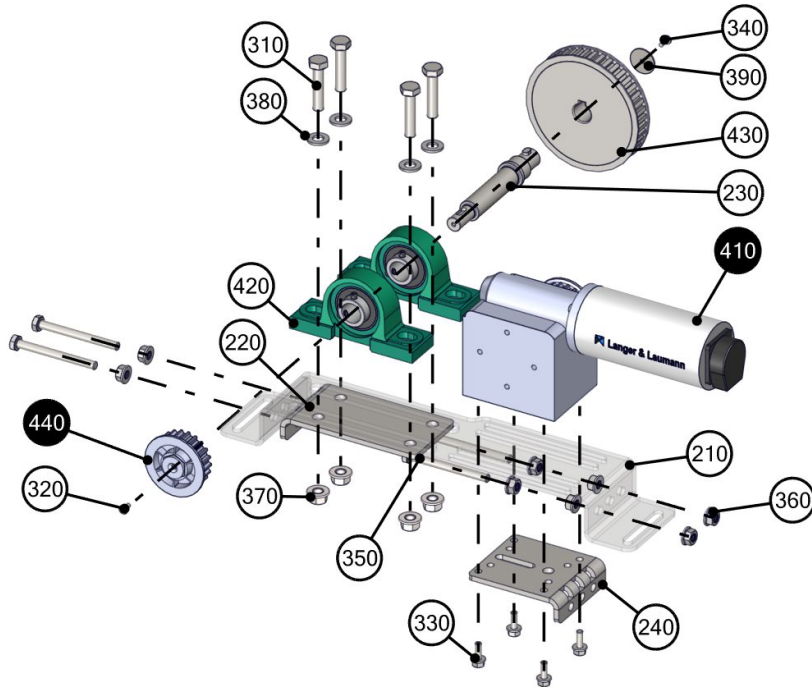
**the attachments of the sheave are disassembled and reused for the
assembly of the lever arms on the universal toothed belt wheel**

TSG in Kone MAC 1

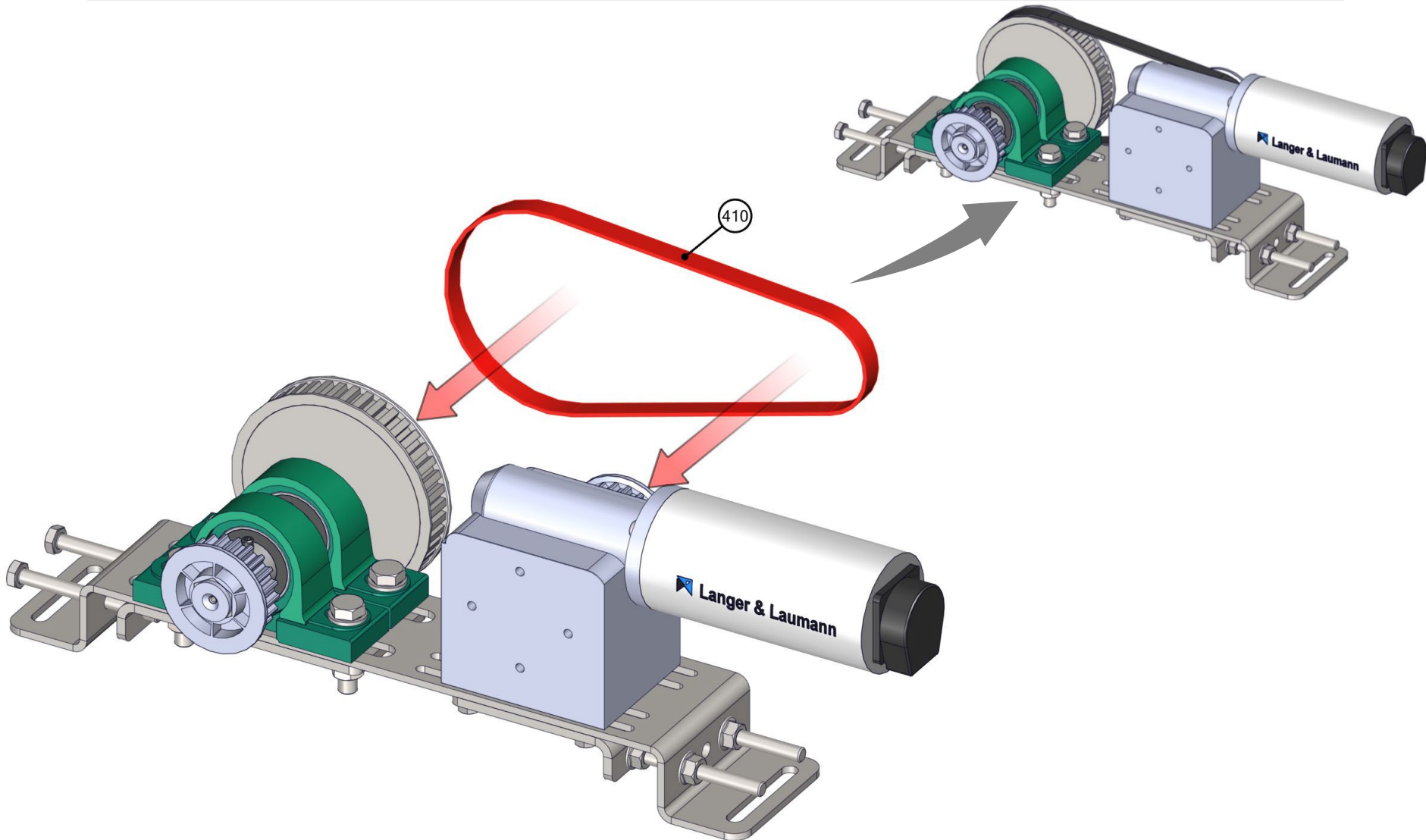


assembly of the motor unit

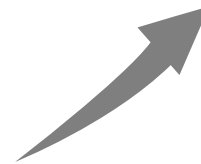
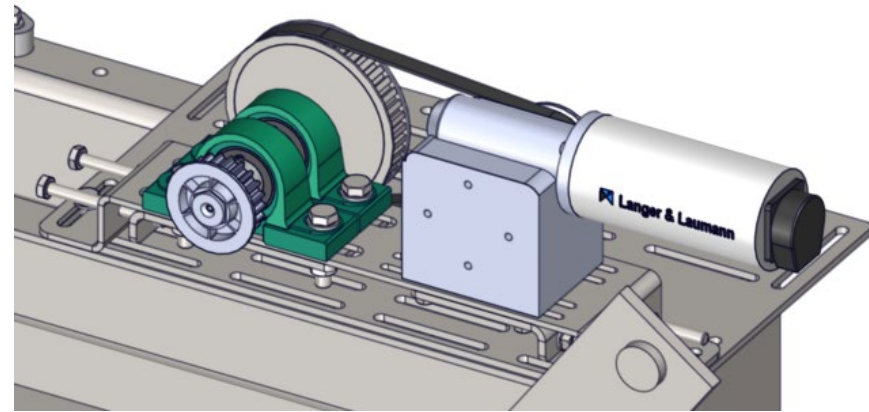
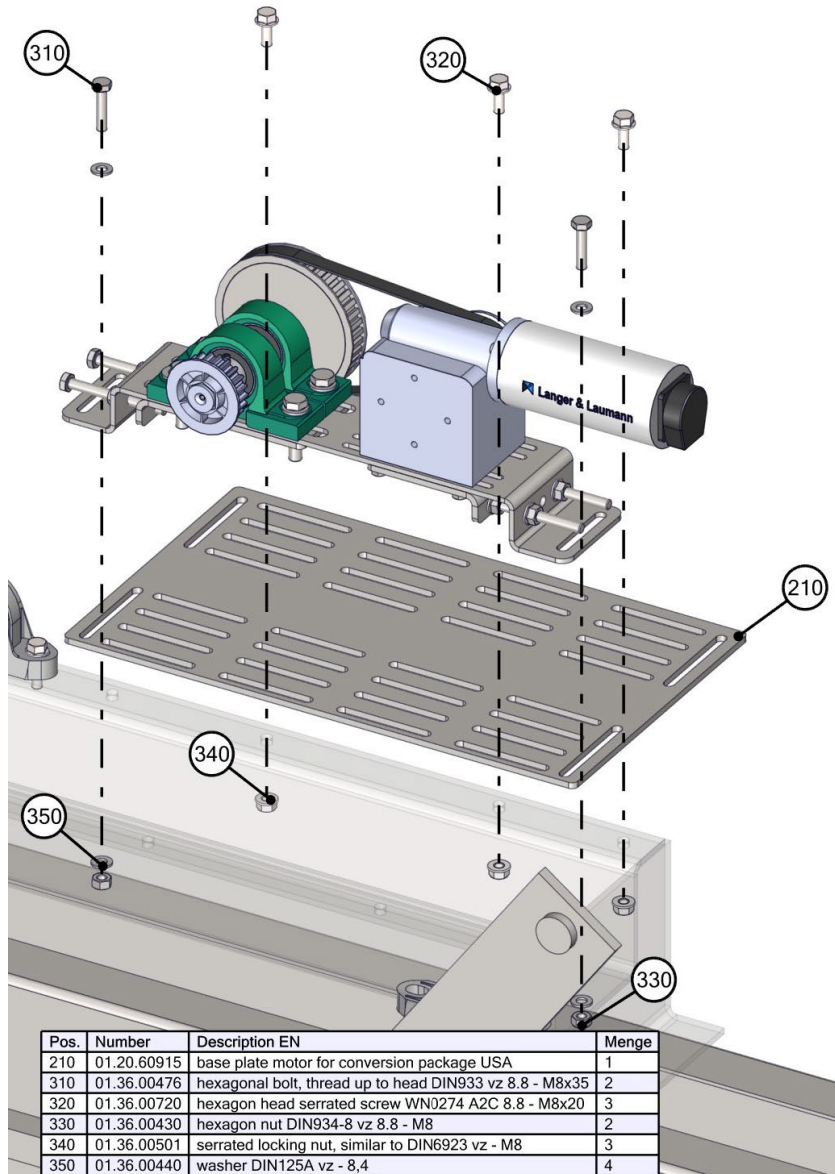




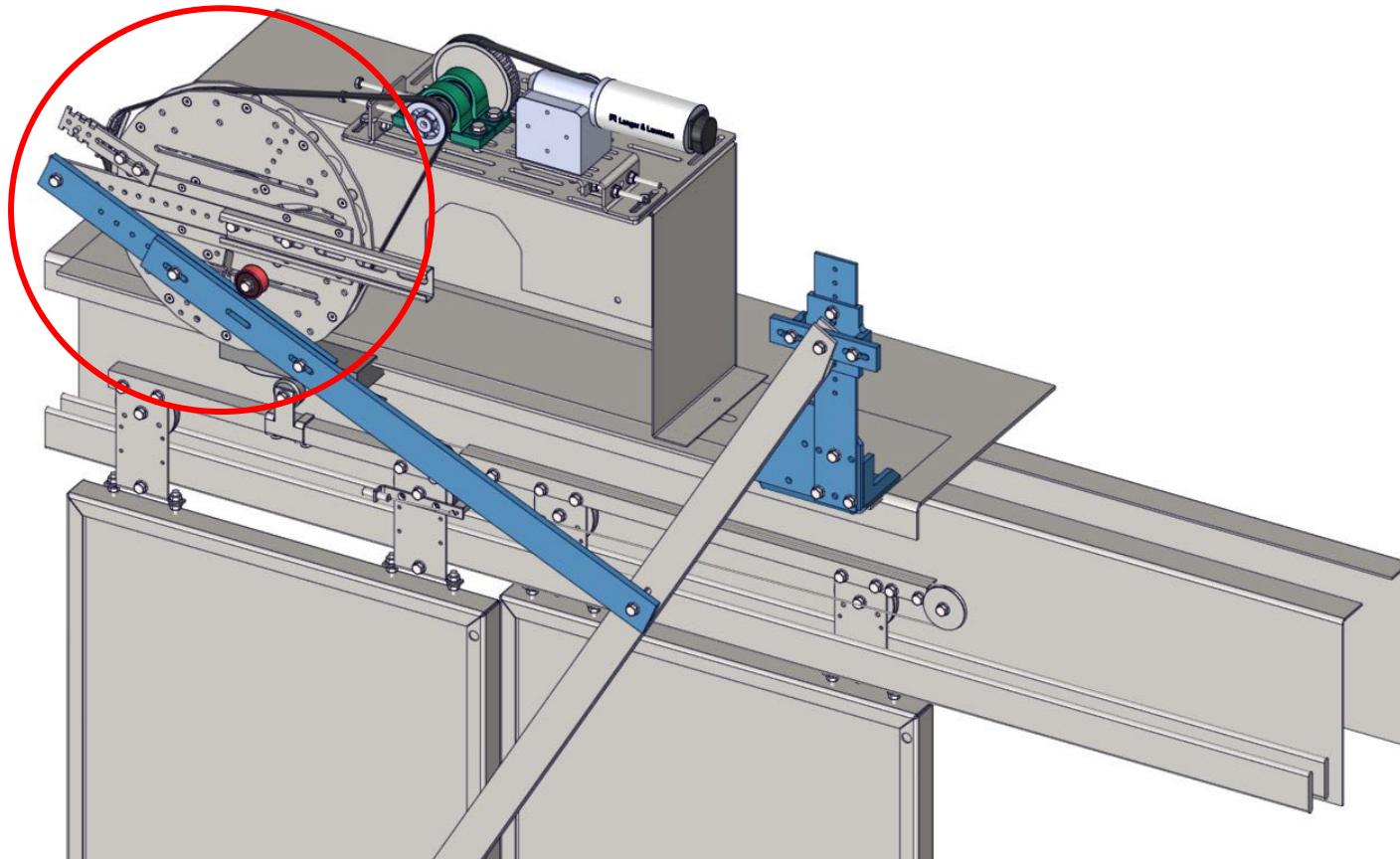
Pos.	Number	Description EN	Menge
210	01.20.23200	universal bracket hat for GAL	1
220	01.20.23220	clamping plate for GAL	1
230	01.20.23230	diverter shaft for 2to1 transmission GAL	1
240	01.20.60532	clamping bracket for drive bracket for GAL	1
310	01.36.02112	hexagonal bolt, thread up to head DIN933 vz 8.8 - M10x45	4
320	01.36.00332	countersunk screw w. cross recess DIN965 vz 4.8 - M4x10	1
330	01.36.00138	hexagon head serrated screw WN0274 A2C 8.8 - M6x16	4
340	01.36.00003	pan head screw DIN7985 vz 4.8 - M4x10	1
350	01.36.02125	hexagonal bolt, thread up to head DIN933 vz 8.8 - M8x80	4
360	01.36.00501	hexagon flange nut DIN 6923 - M8 - C	8
370	01.36.00503	ribbed nuts, similar to DIN6923 vz - M10	4
380	01.36.00470	washer DIN125A vz - 10,5	4
390	01.36.00451	wing repair washer DIN522 vz - 4,3x25x1,25	1
410	08.20.40000.X1	motor large left & gearbox, 24V/4,9A/1:15	1
420	01.20.85150	pillow block bearing UPC 20mm	2
430	01.20.96110	timing belt pulley, STD8M, d=18H7, D=112[mm], B=15[mm]	1
440	01.20.60160	timing belt pulley, STD8M, d=14H7, D=56[mm], B=15[mm]	1

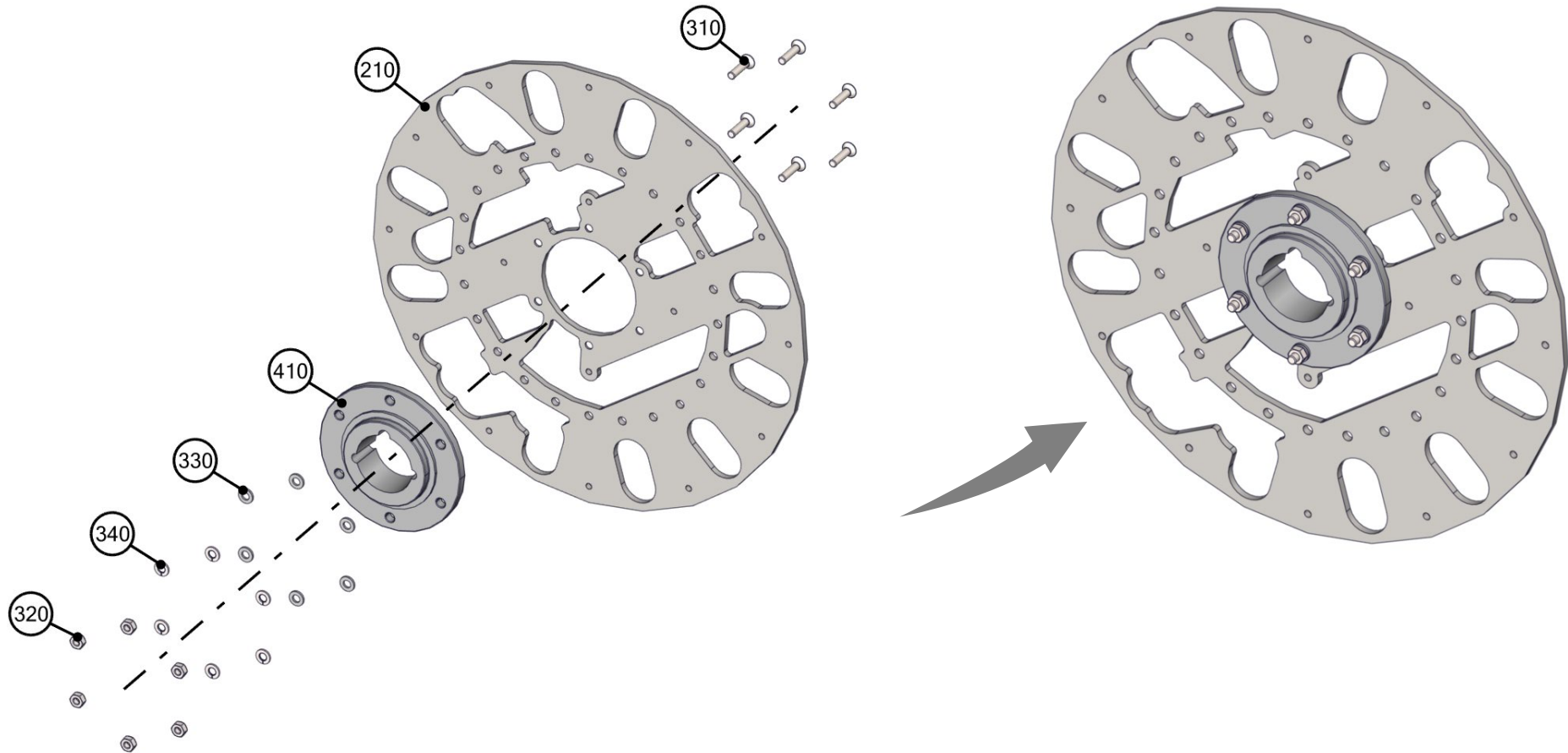


Pos.	Number	Description EN	Menge
410	01.20.61090	belt for special drive endless 584[mm], width 12[mm]	1

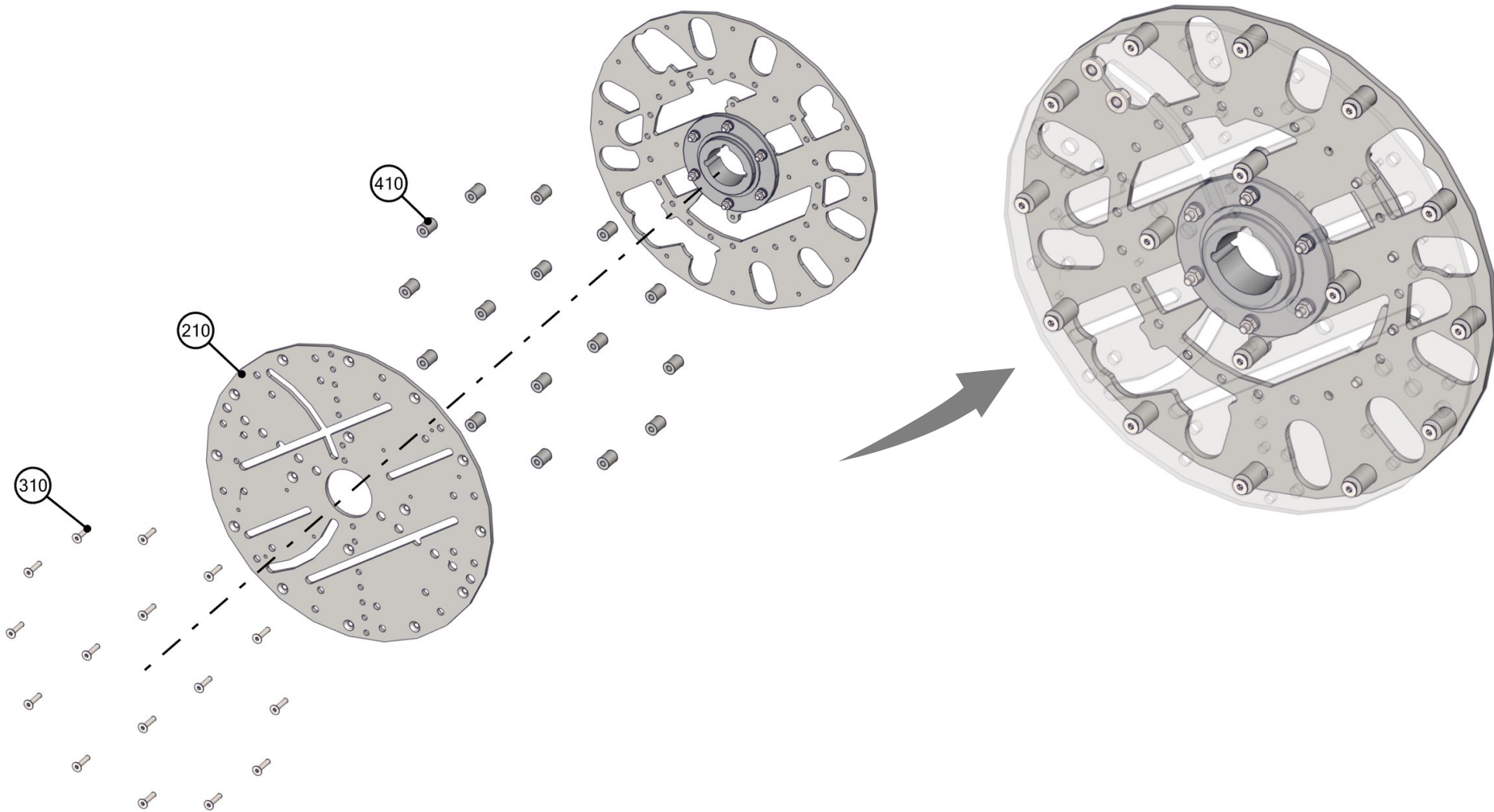


assembly of the toothed belt wheel

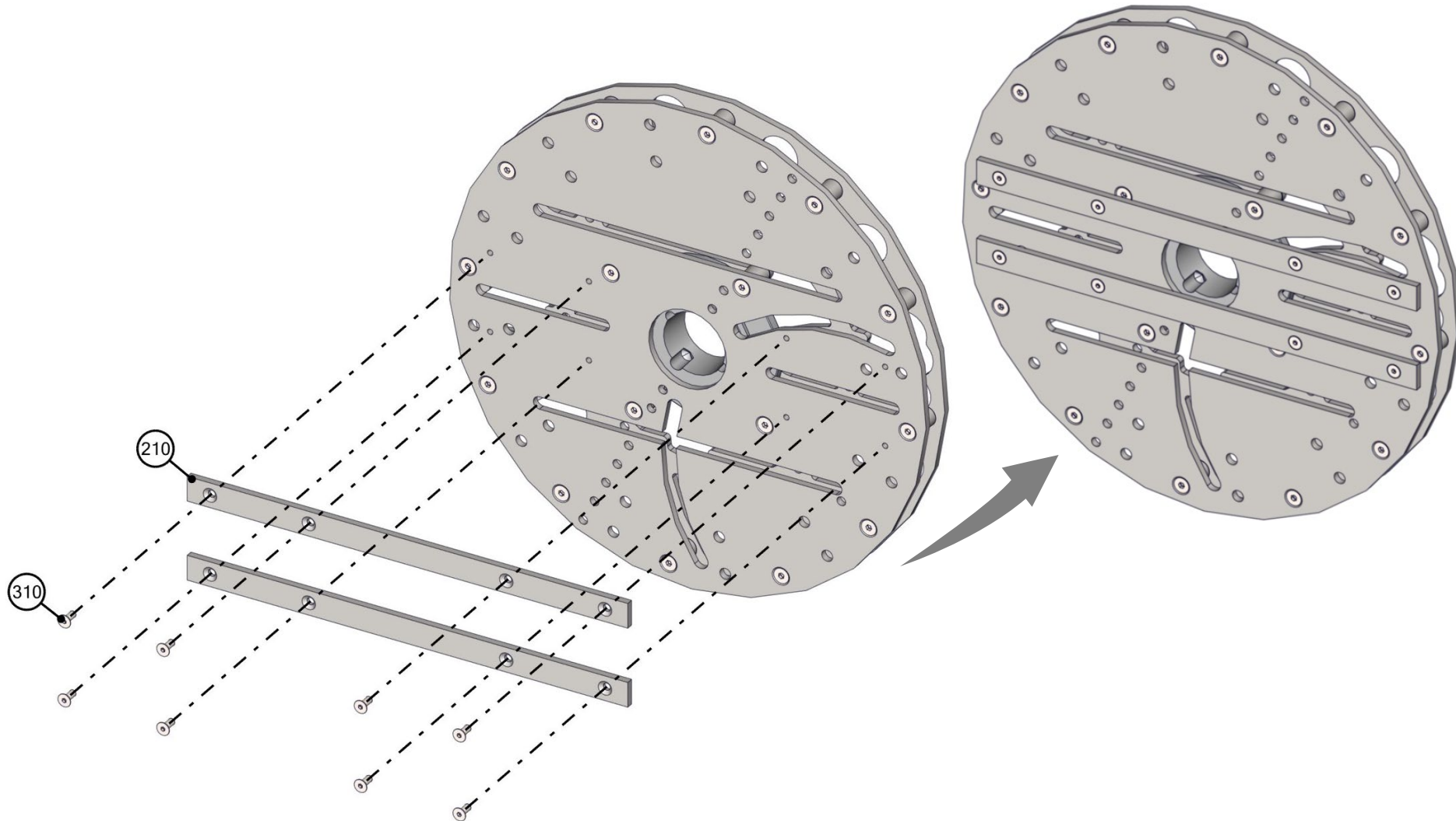




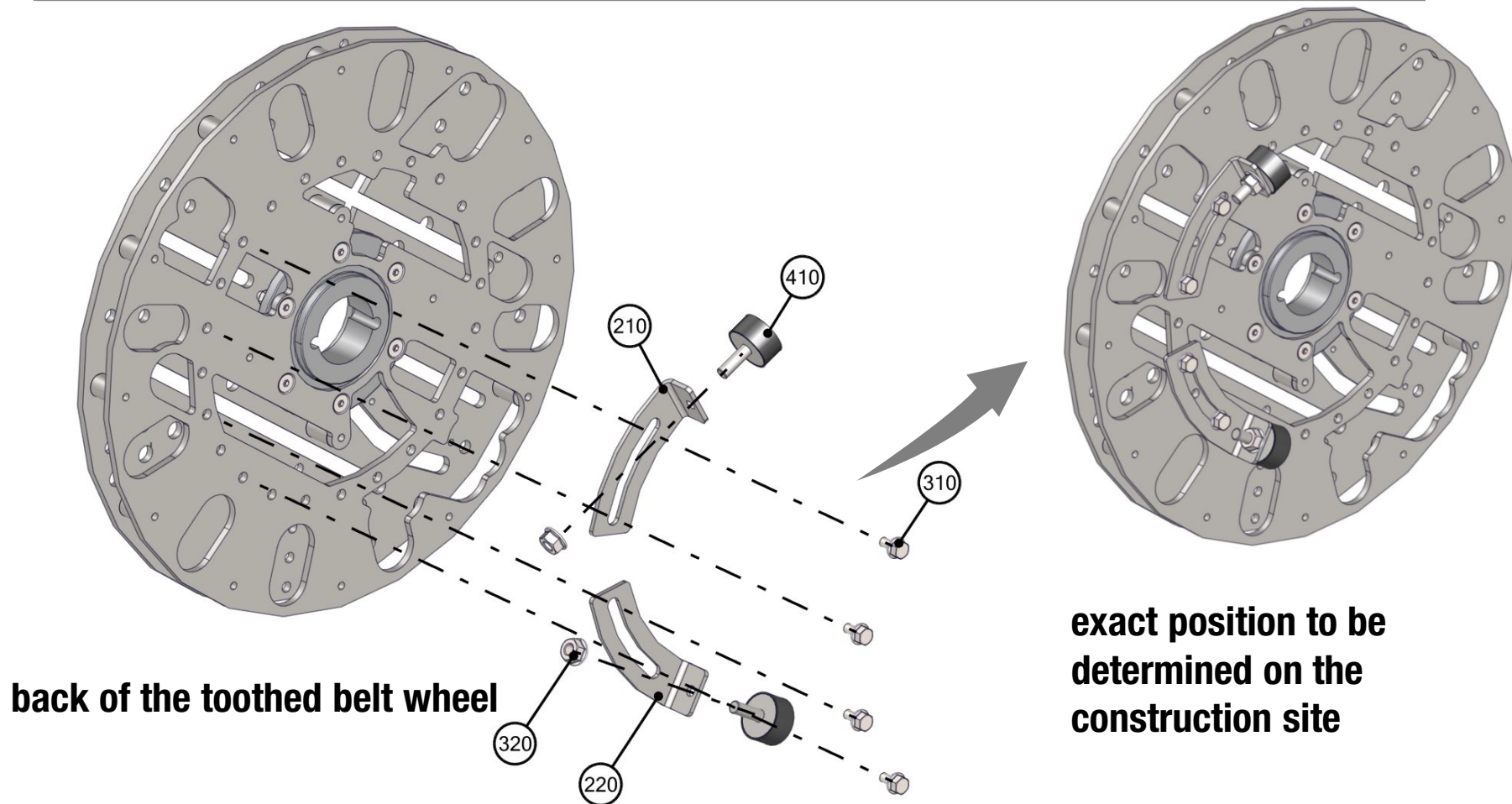
Pos.	Number	Description EN	Menge
210	01.20.60901	guard plate back for univ. toothed belt wheel D14,5 Inch	1
310	01.36.00366	countersunk head screw w.recessed head ISO10642-M6x25-8.8	6
320	01.36.00200	hexagon nut DIN934-8 vz 8.8 - M6	6
330	01.36.05611	washer, 12 x 6,4 ISO 7089(DIN125)	6
340	01.36.00171	lock washer DIN127 vz - M6	6
410	01.20.60870	screw-on hub for taper bushes 1210	1



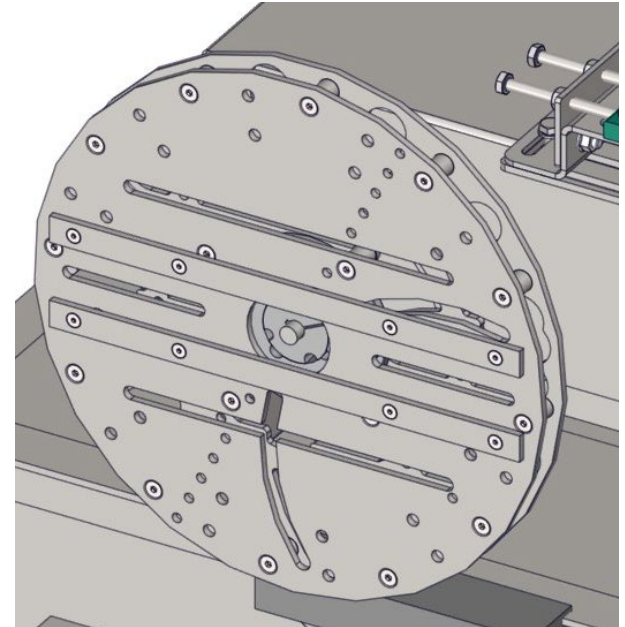
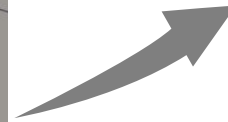
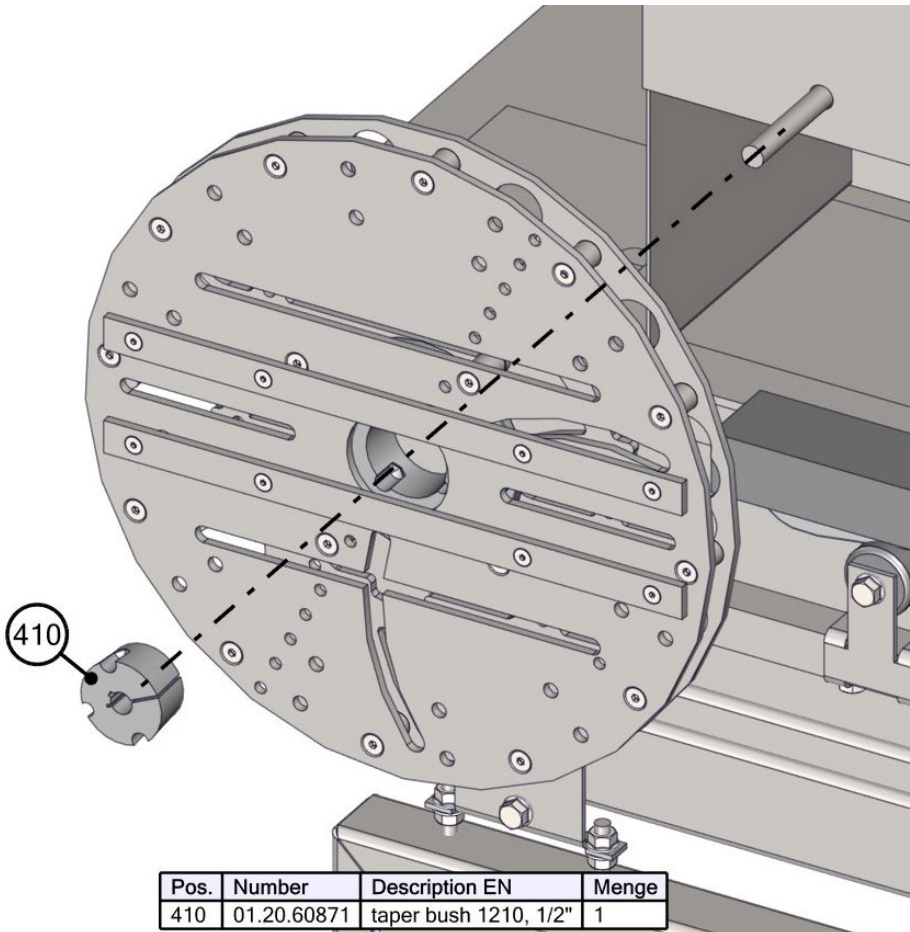
Pos.	Number	Description EN	Menge
210	01.20.60900	guard plate fornt for univ. toothed belt wheel D14,5 Inch	1
310	01.36.00362	countersunk head screw w.recessed head ISO10642-M6x30-8.8	16
410	01.36.00881	spacer D15 x 20, d6,2	16



Pos.	Number	Description EN	Menge
210	01.20.60910	guide plate for lever arm Kone MAC 1	2
310	01.36.00593	countersunk screw hexagon socket head ISO10642 vz8.8 - M5x12	8

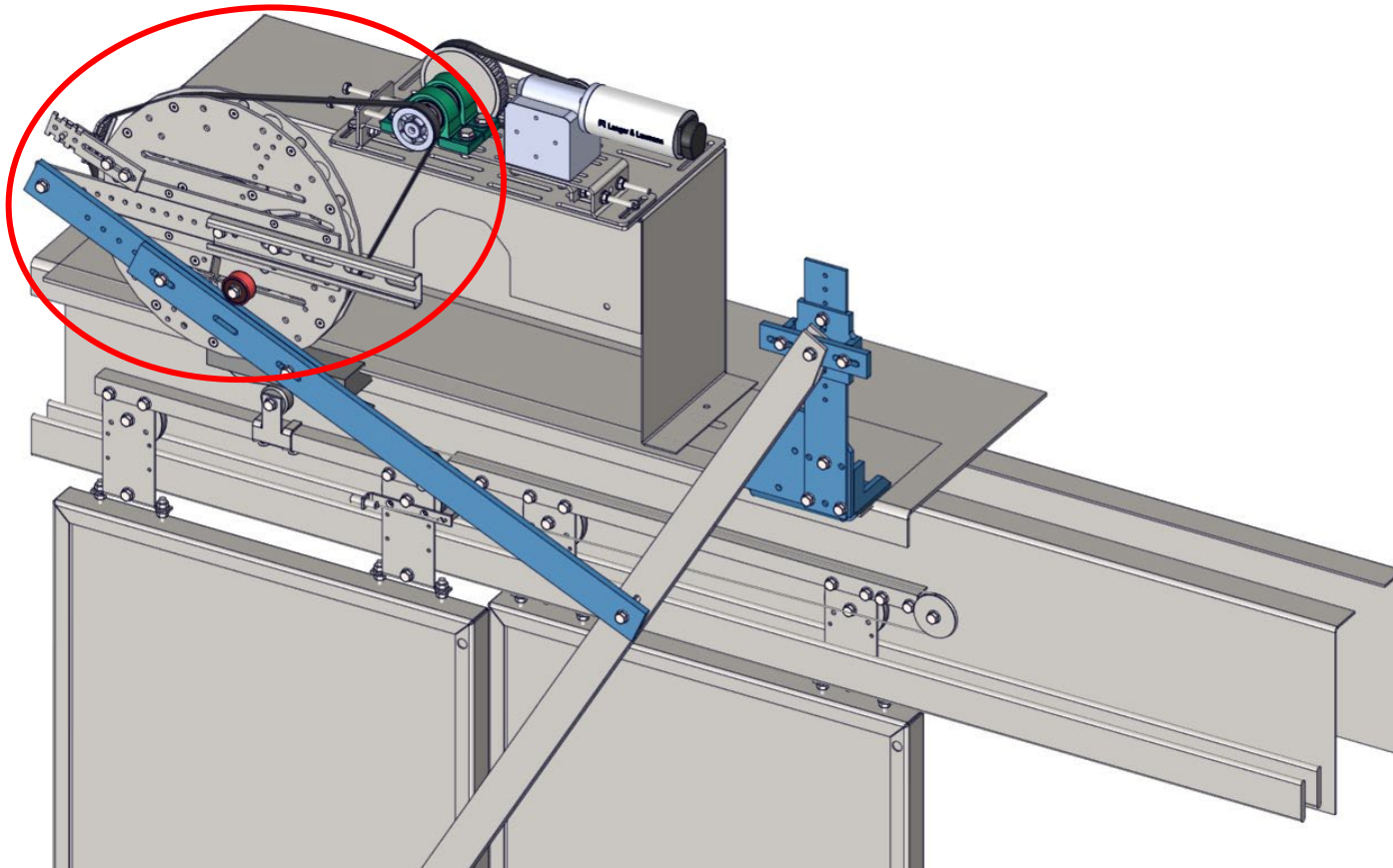


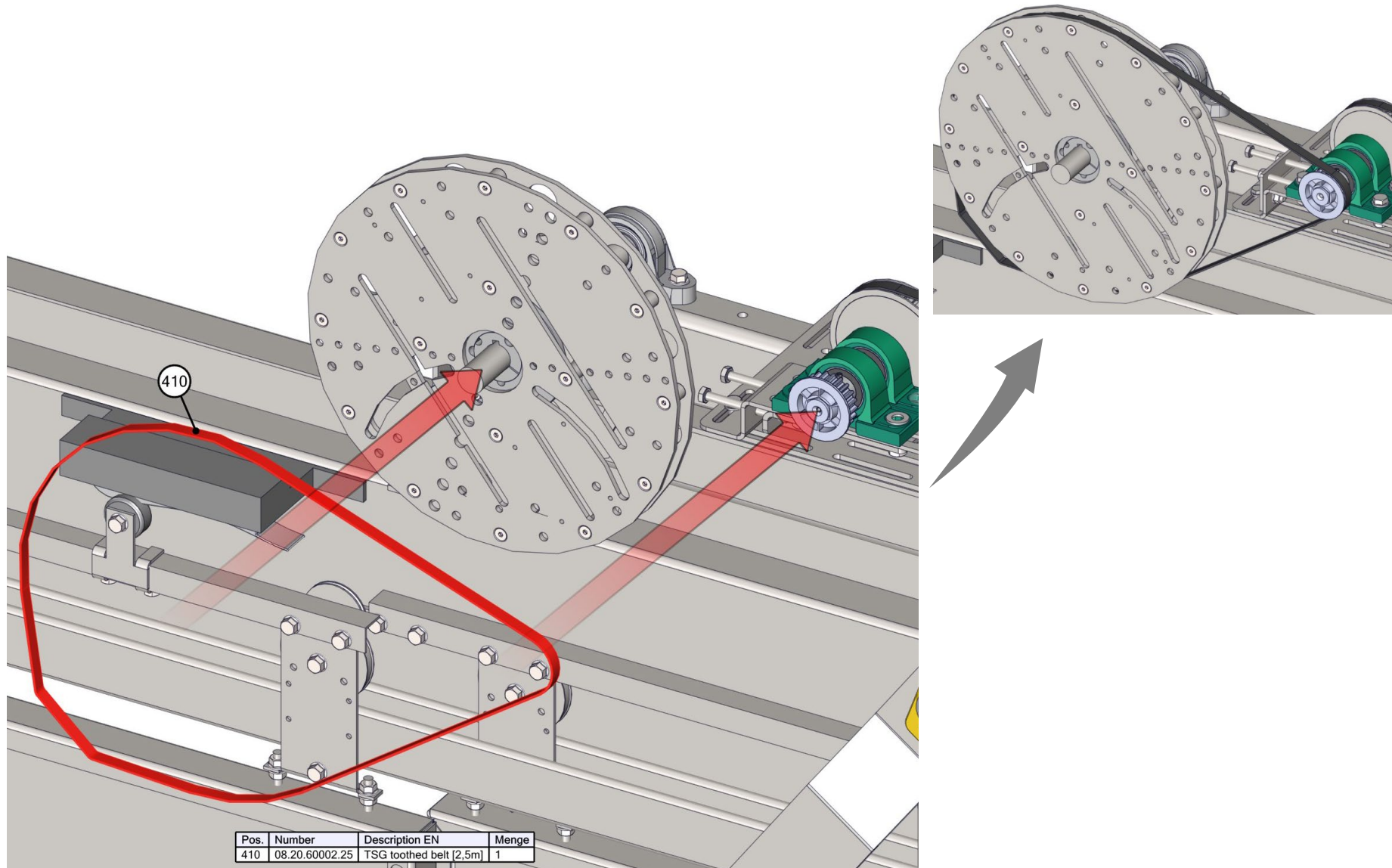
Pos.	Number	Description EN	Menge
210	01.20.60920	buffer holder right for univ. toothed belt wheel D14,5 Inch	1
220	01.20.60921	buffer holder left for univ. toothed belt wheel D14,5 Inch	1
310	01.36.00140	hexagon head serrated screw WN0274 A2C 8.8 - M8x12	4
320	01.36.00501	serrated locking nut, similar to DIN6923 vz - M8	2
410	01.20.91120	rubber-metal bump stop D30x15, threaded stud M8x20, 75 Shore	2

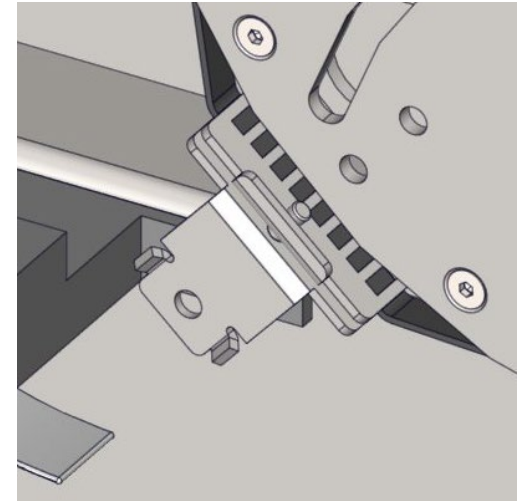
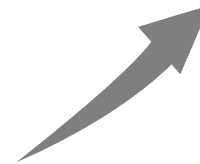
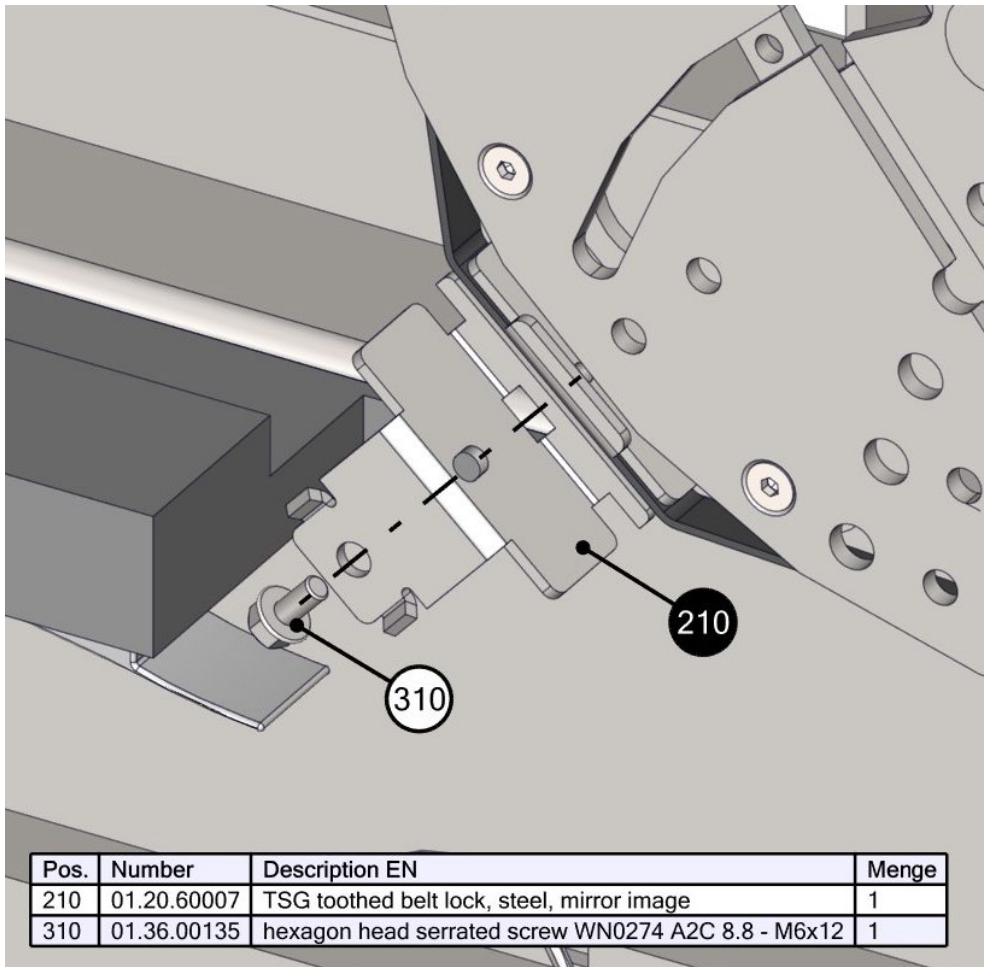


taper bushes for different shaft diameters are enclose

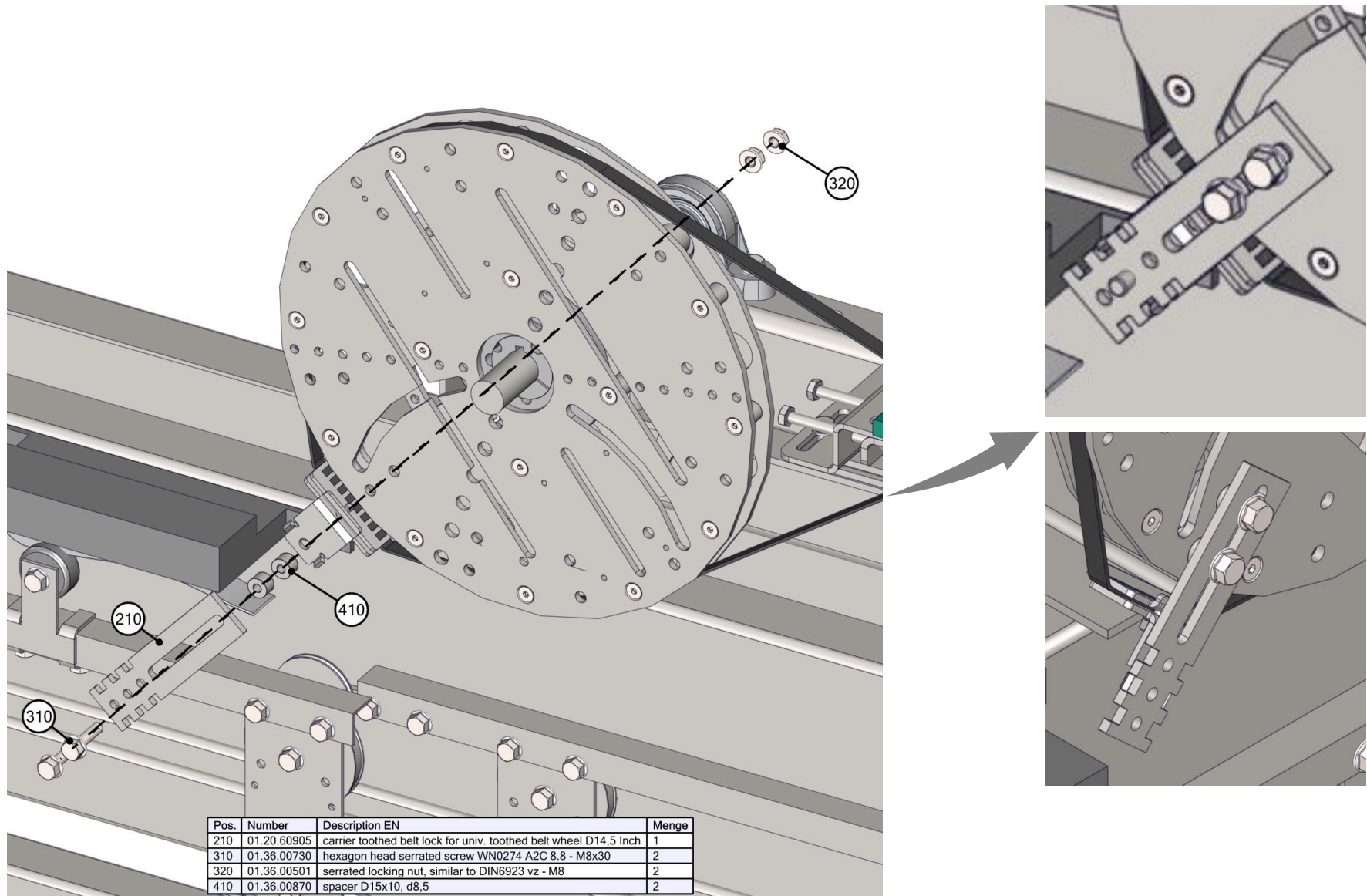
assembly of the toothed belt and toothed belt lock

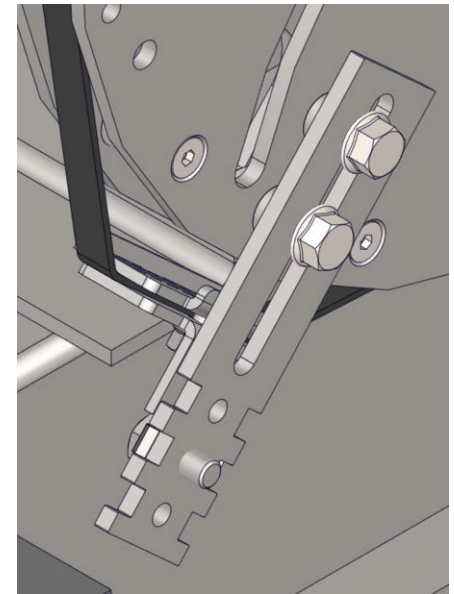
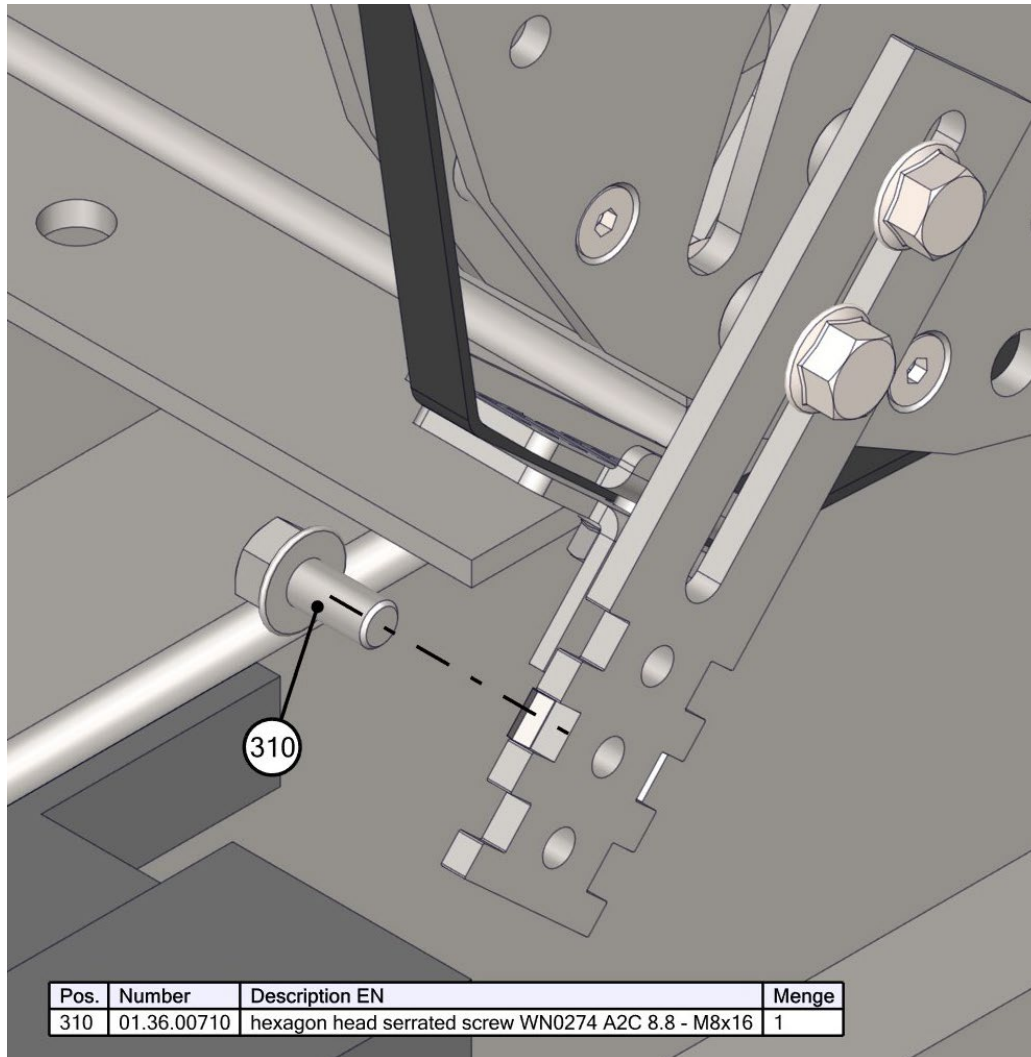




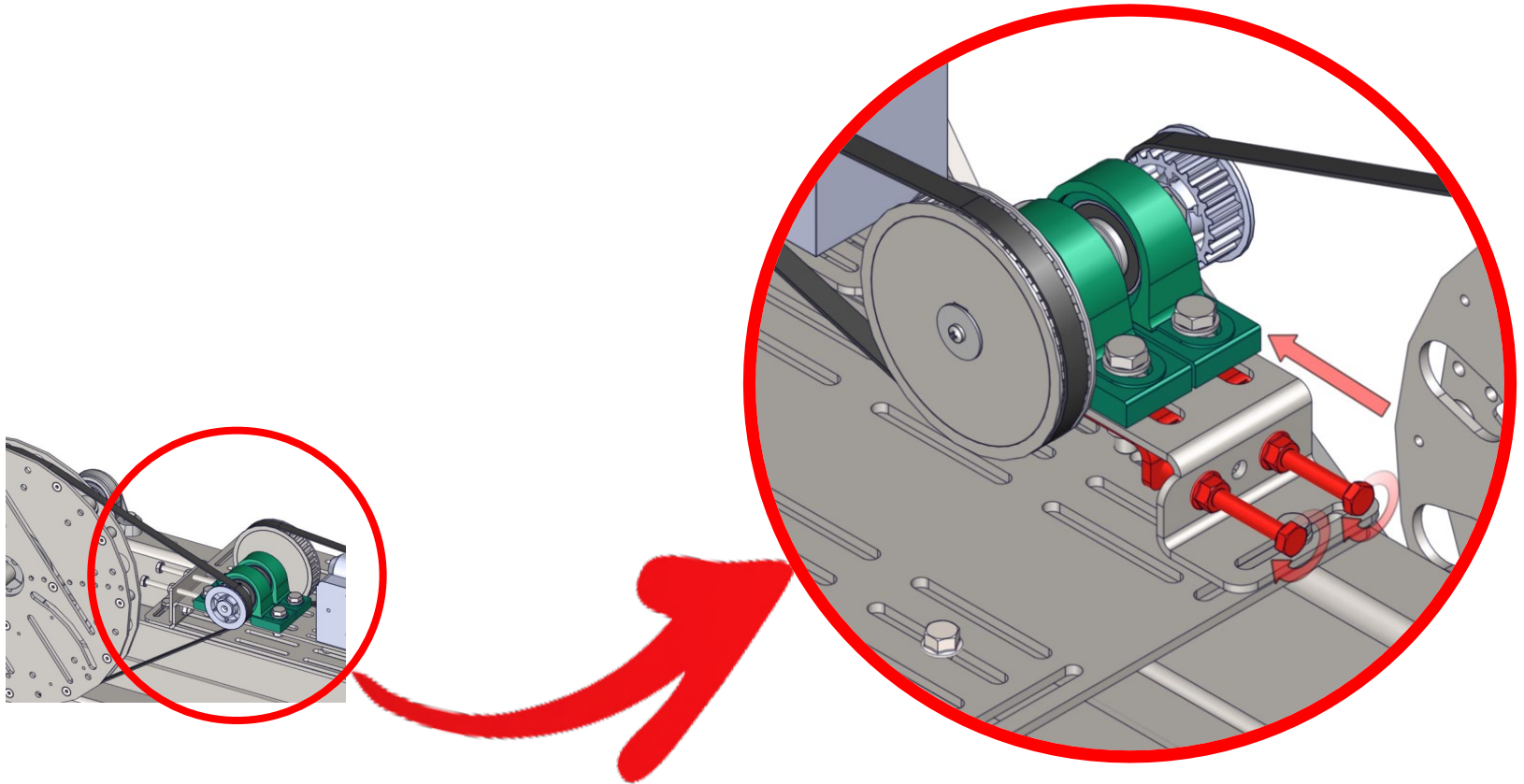


Pos.	Number	Description EN	Menge
210	01.20.60007	TSG toothed belt lock, steel, mirror image	1
310	01.36.00135	hexagon head serrated screw WN0274 A2C 8.8 - M6x12	1

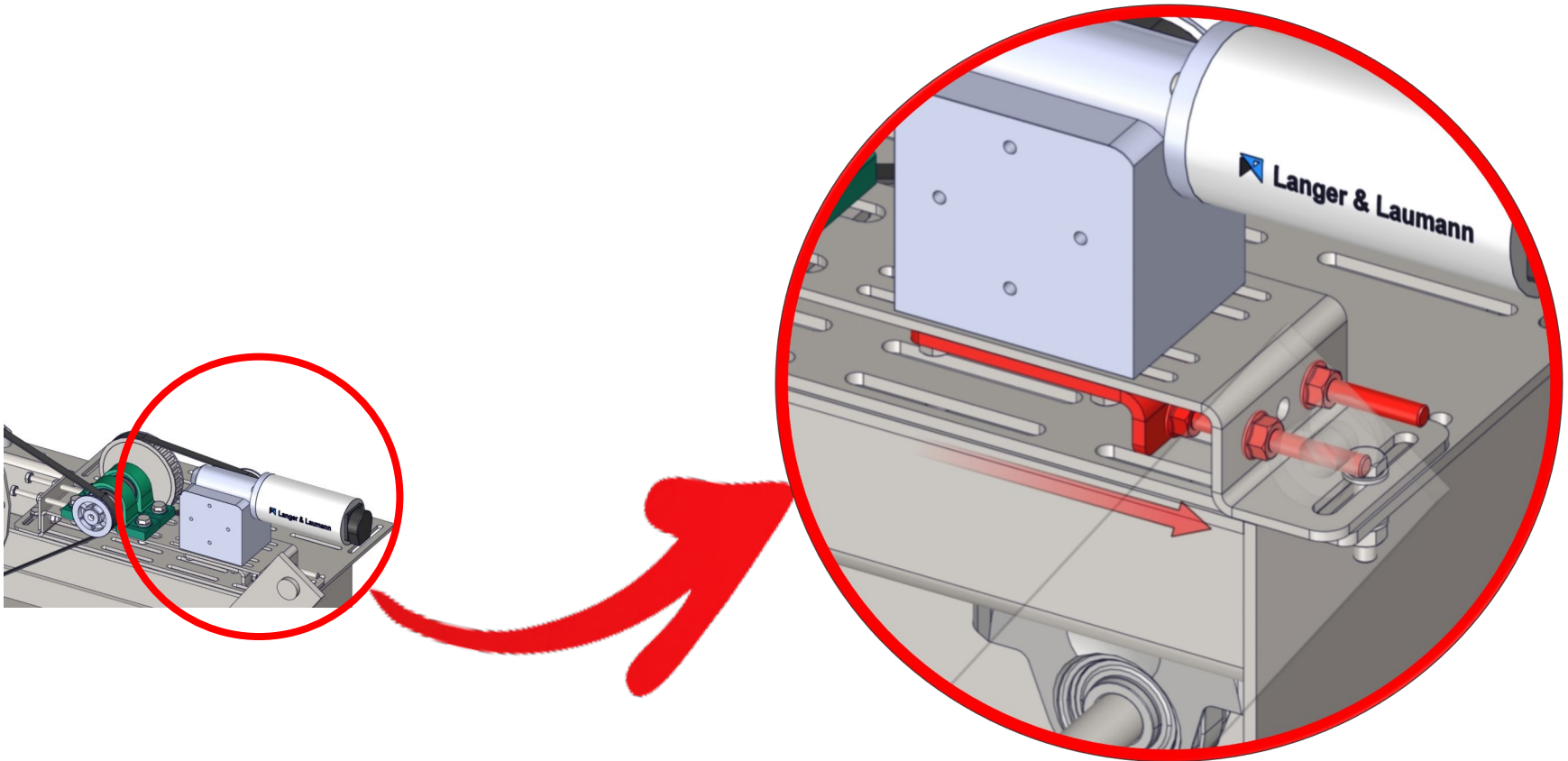




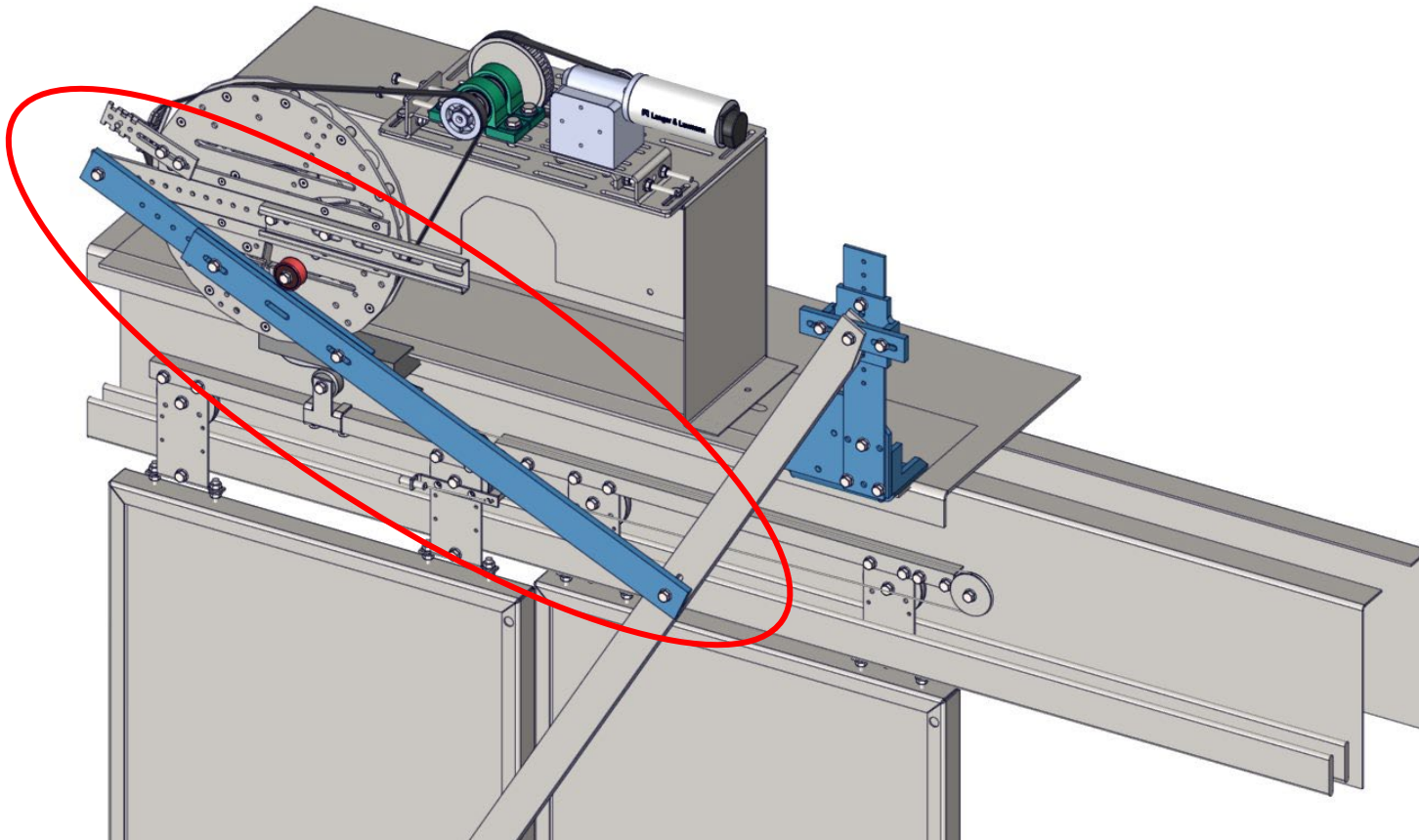
tensioning of the tooth belt, step 1

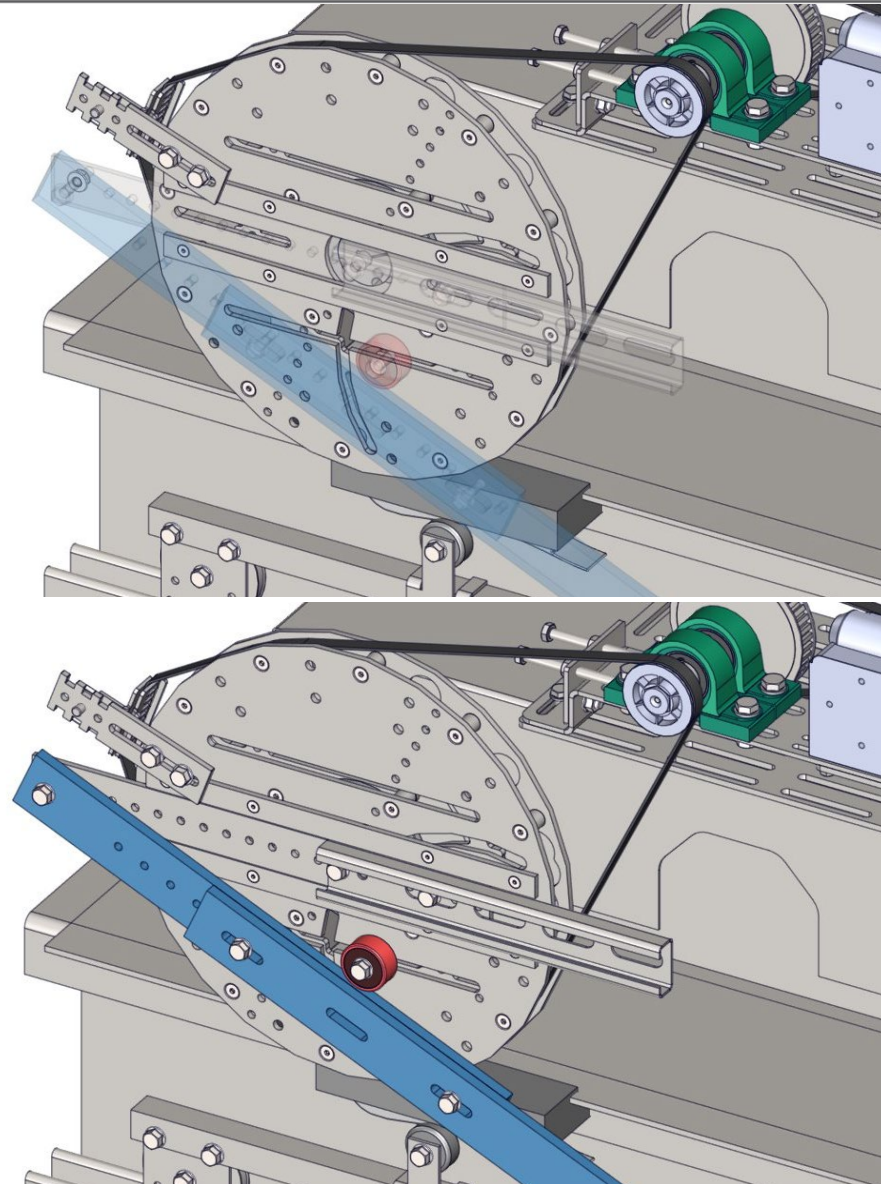


tensioning of the tooth belt, step 2

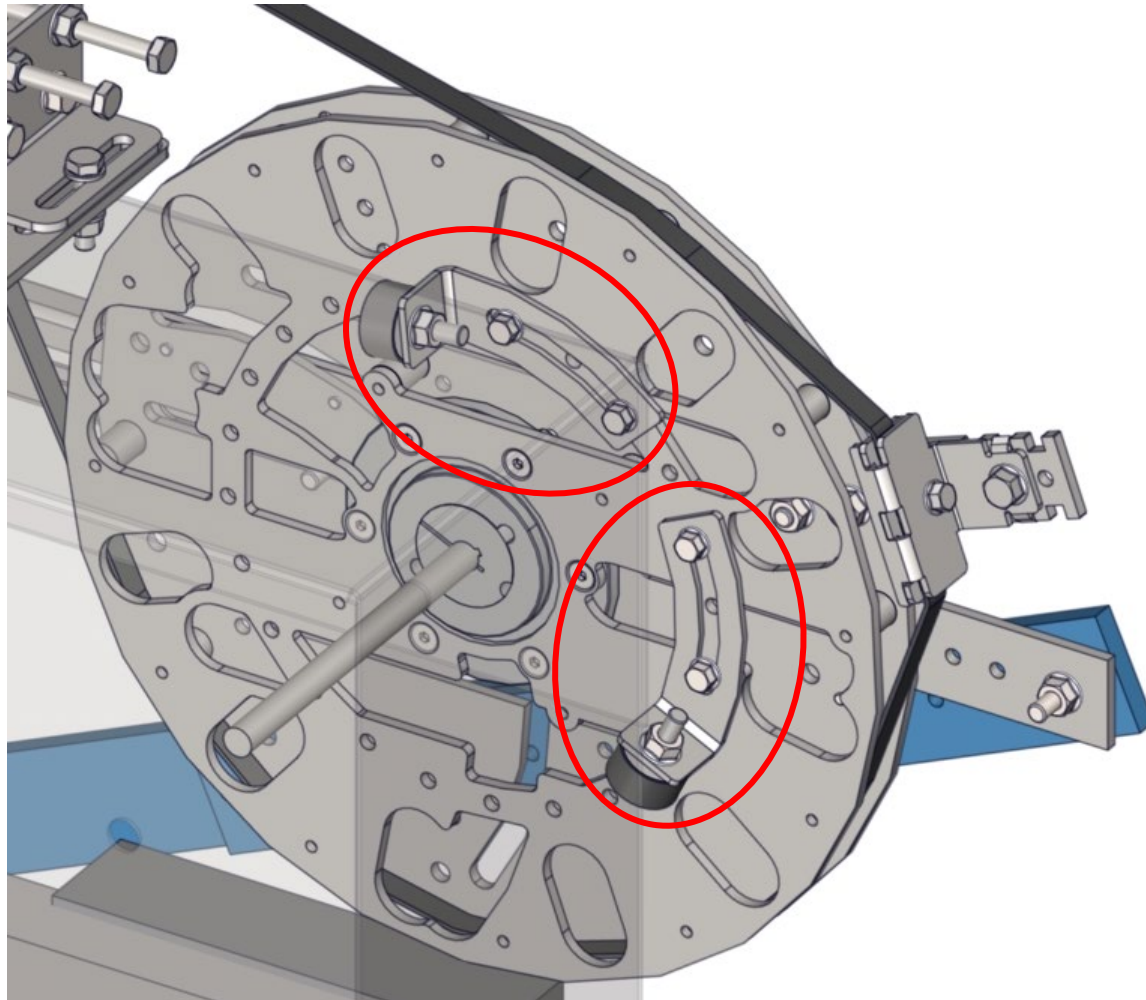


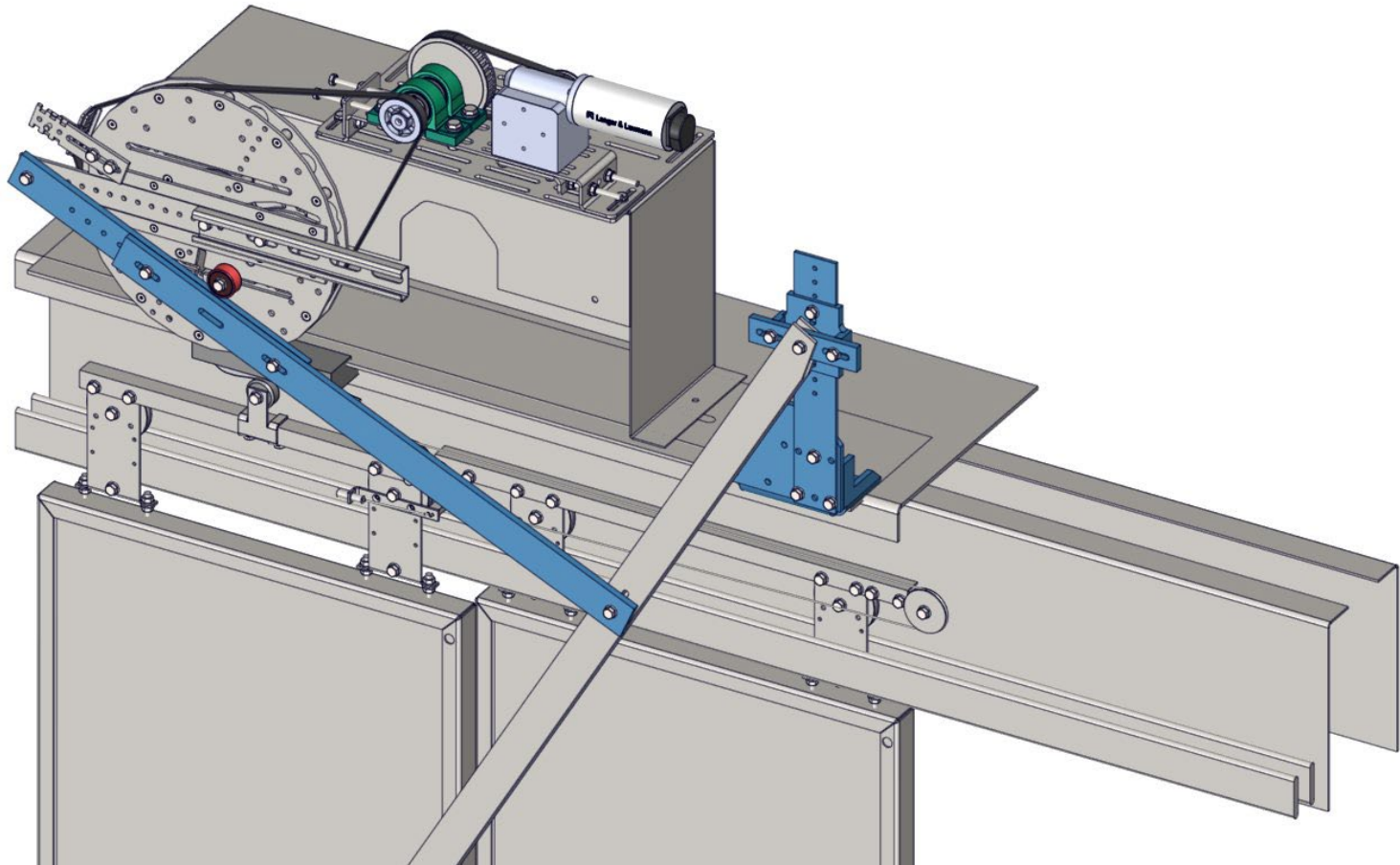
reassemble the existing lever arms on the toothed belt wheel



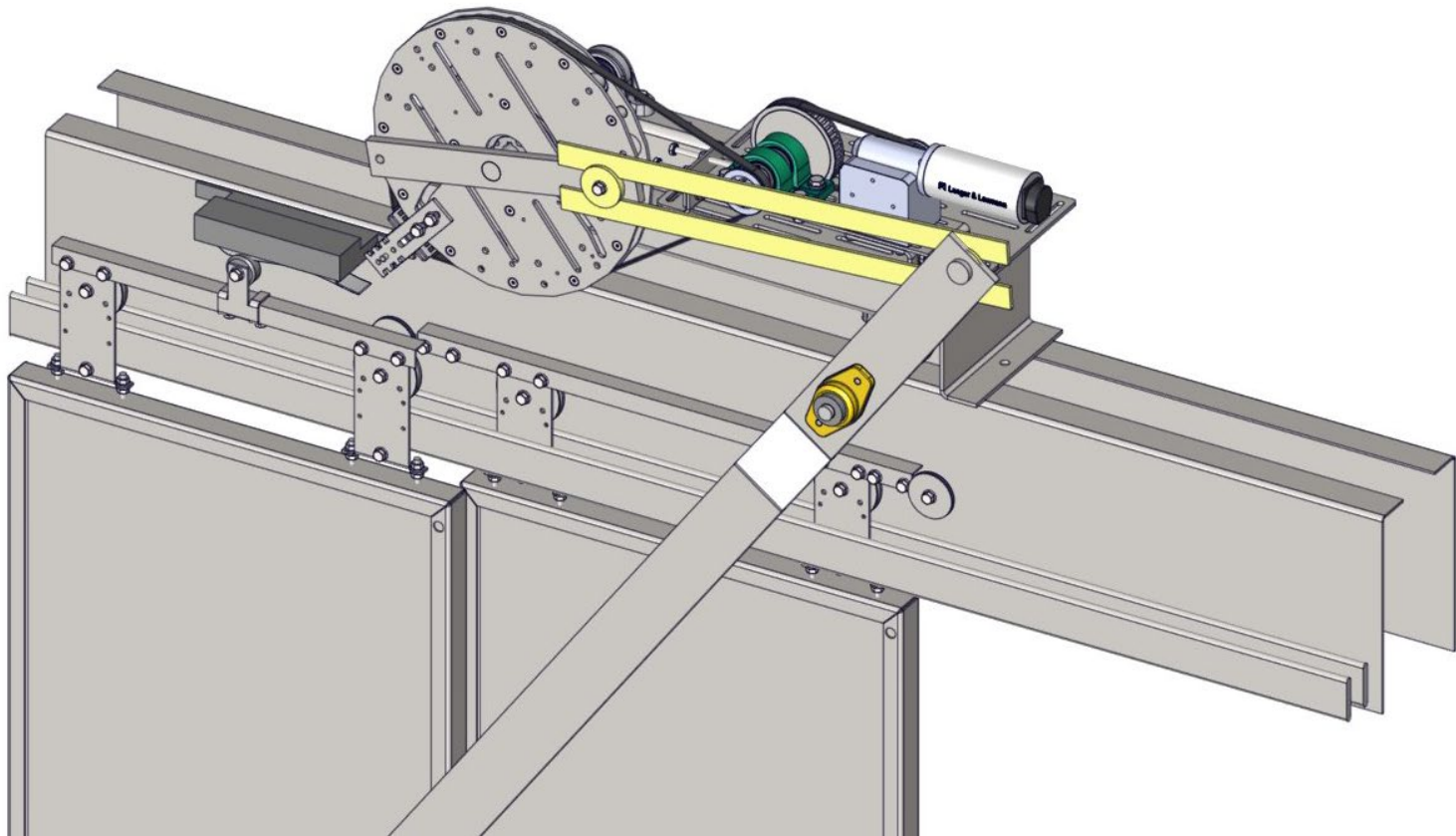


adjust the bump stop

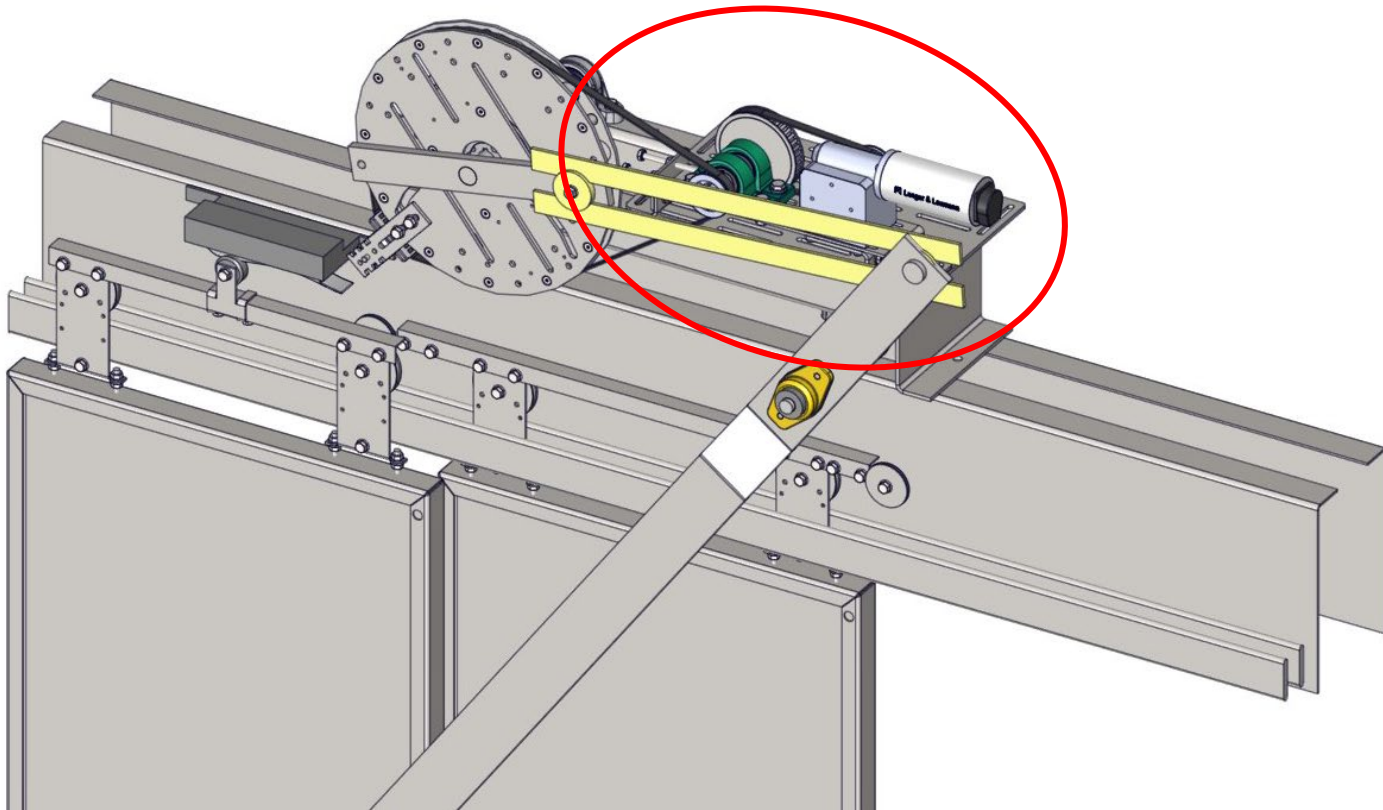


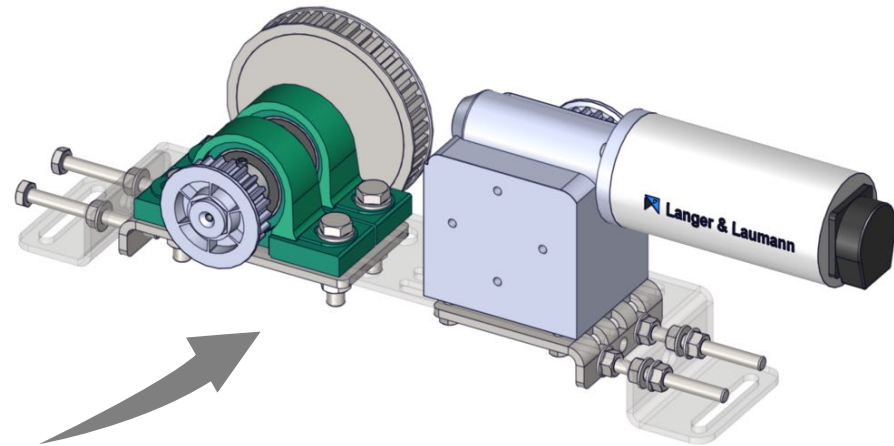
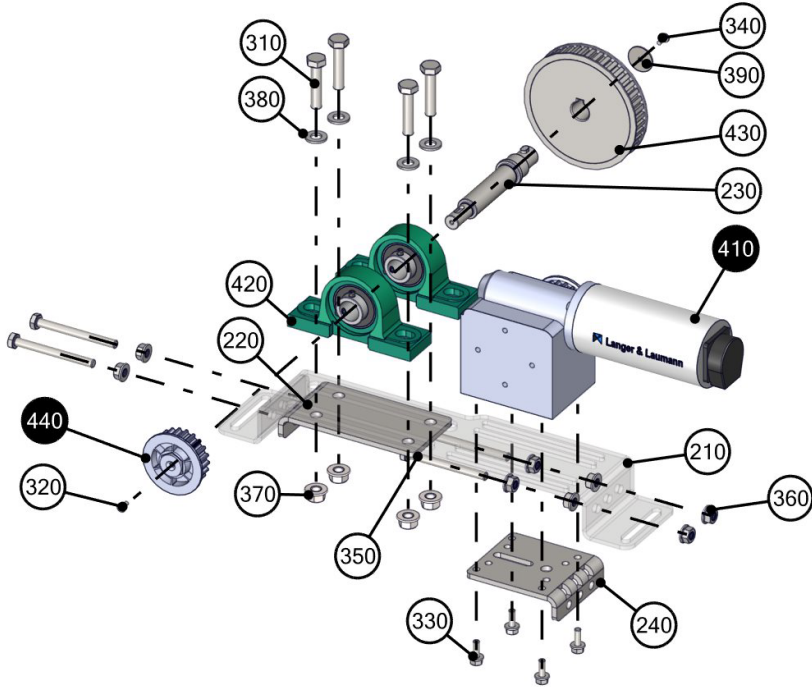


TSG in Kone MAC 2

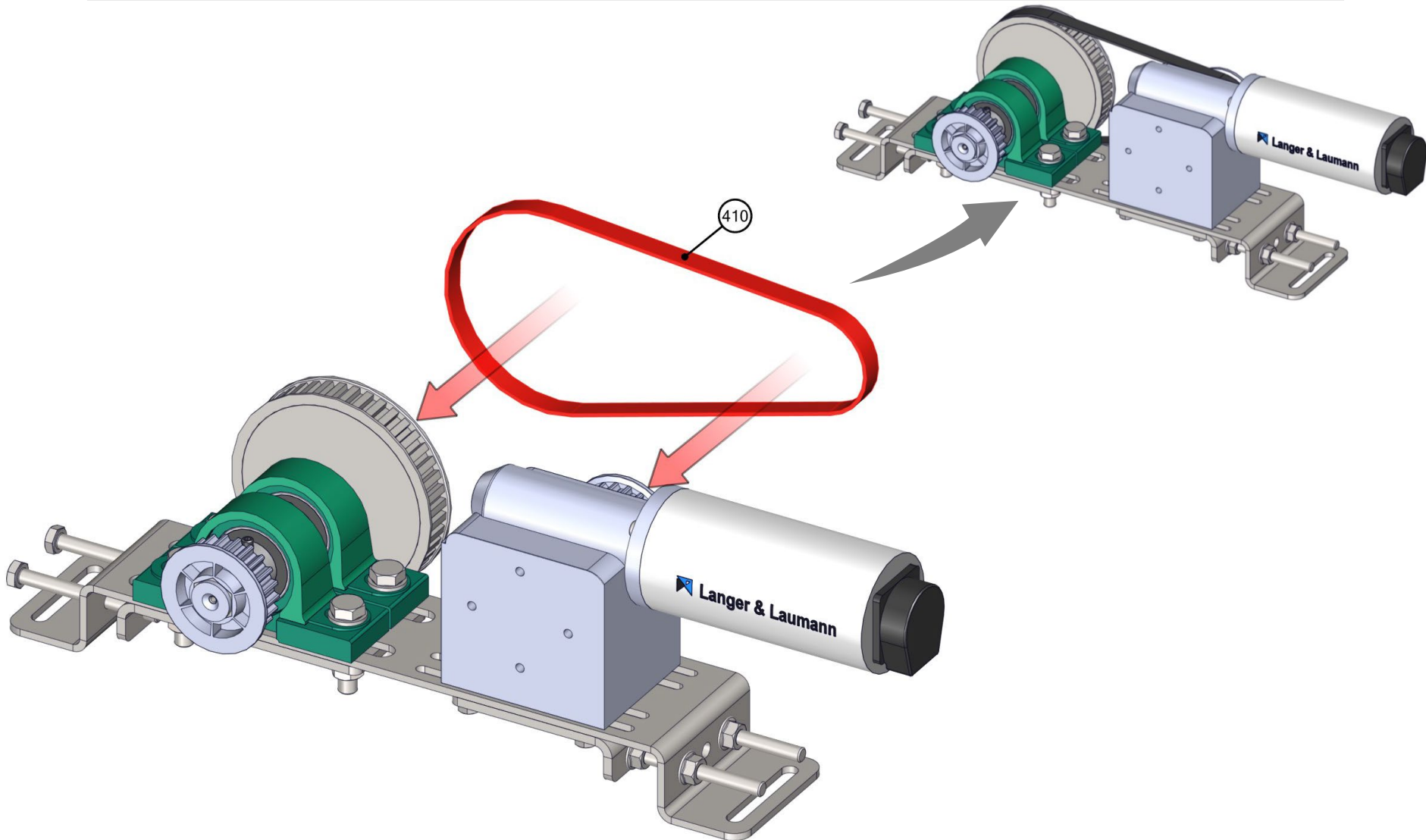


assembly of the motor unit

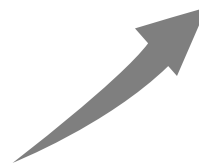
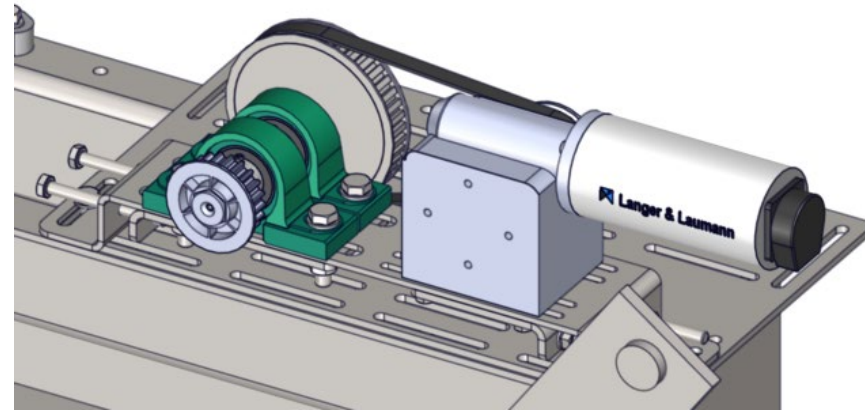
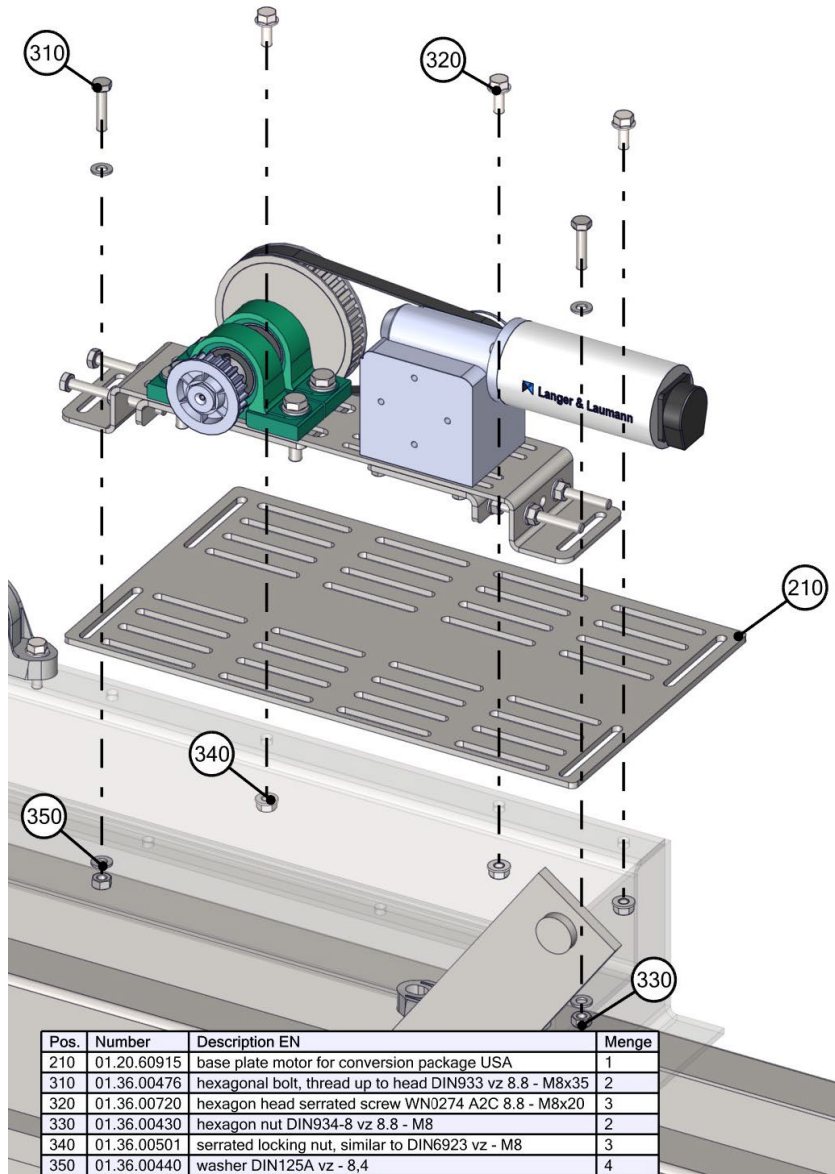




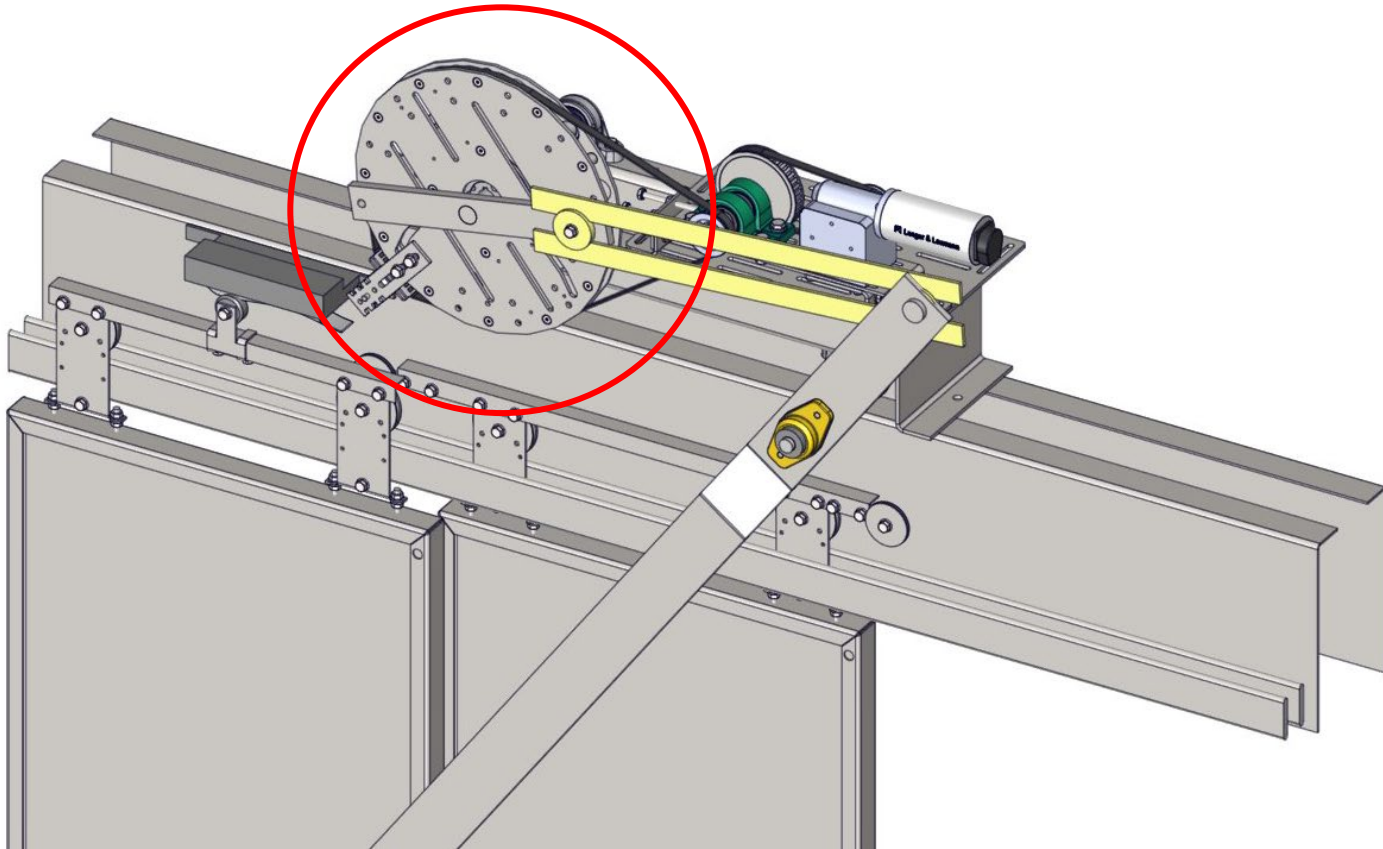
Pos.	Number	Description EN	Menge
210	01.20.23200	universal bracket hat for GAL	1
220	01.20.23220	clamping plate for GAL	1
230	01.20.23230	diverter shaft for 2to1 transmission GAL	1
240	01.20.60532	clamping bracket for drive bracket for GAL	1
310	01.36.02112	hexagonal bolt, thread up to head DIN933 vz 8.8 - M10x45	4
320	01.36.00332	countersunk screw w. cross recess DIN965 vz 4.8 - M4x10	1
330	01.36.00138	hexagon head serrated screw WN0274 A2C 8.8 - M6x16	4
340	01.36.00003	pan head screw DIN7985 vz 4.8 - M4x10	1
350	01.36.02125	hexagonal bolt, thread up to head DIN933 vz 8.8 - M8x80	4
360	01.36.00501	hexagon flange nut DIN 6923 - M8 - C	8
370	01.36.00503	ribbed nuts, similar to DIN6923 vz - M10	4
380	01.36.00470	washer DIN125A vz - 10,5	4
390	01.36.00451	wing repair washer DIN522 vz - 4,3x25x1,25	1
410	08.20.40000.X1	motor large left & gearbox, 24V/4,9A/1:15	1
420	01.20.85150	pillow block bearing UPC 20mm	2
430	01.20.96110	timing belt pulley, STD8M, d=18H7, D=112[mm], B=15[mm]	1
440	01.20.60160	timing belt pulley, STD8M, d=14H7, D=56[mm], B=15[mm]	1

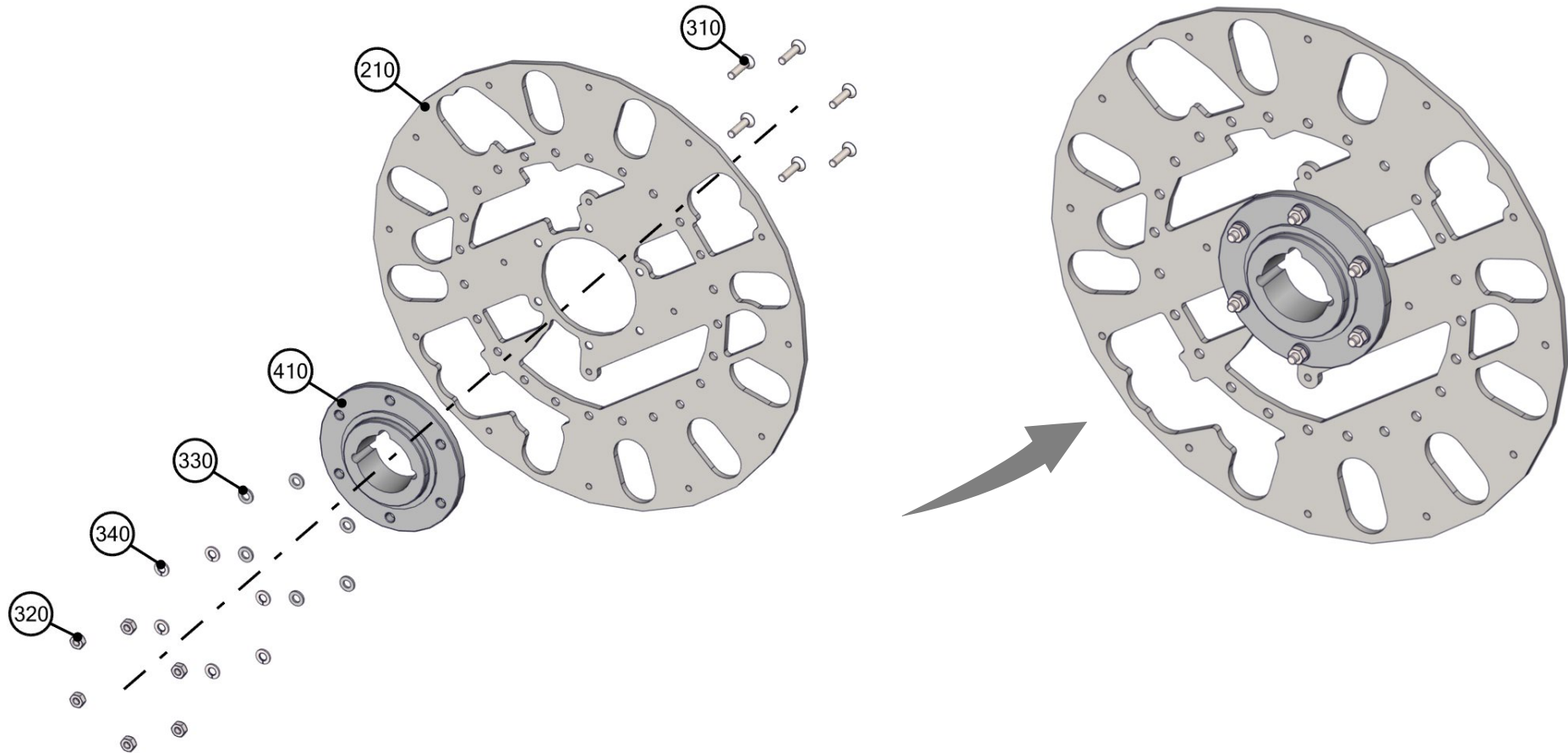


Pos.	Number	Description EN	Menge
410	01.20.61090	belt for special drive endless 584[mm], width 12[mm]	1

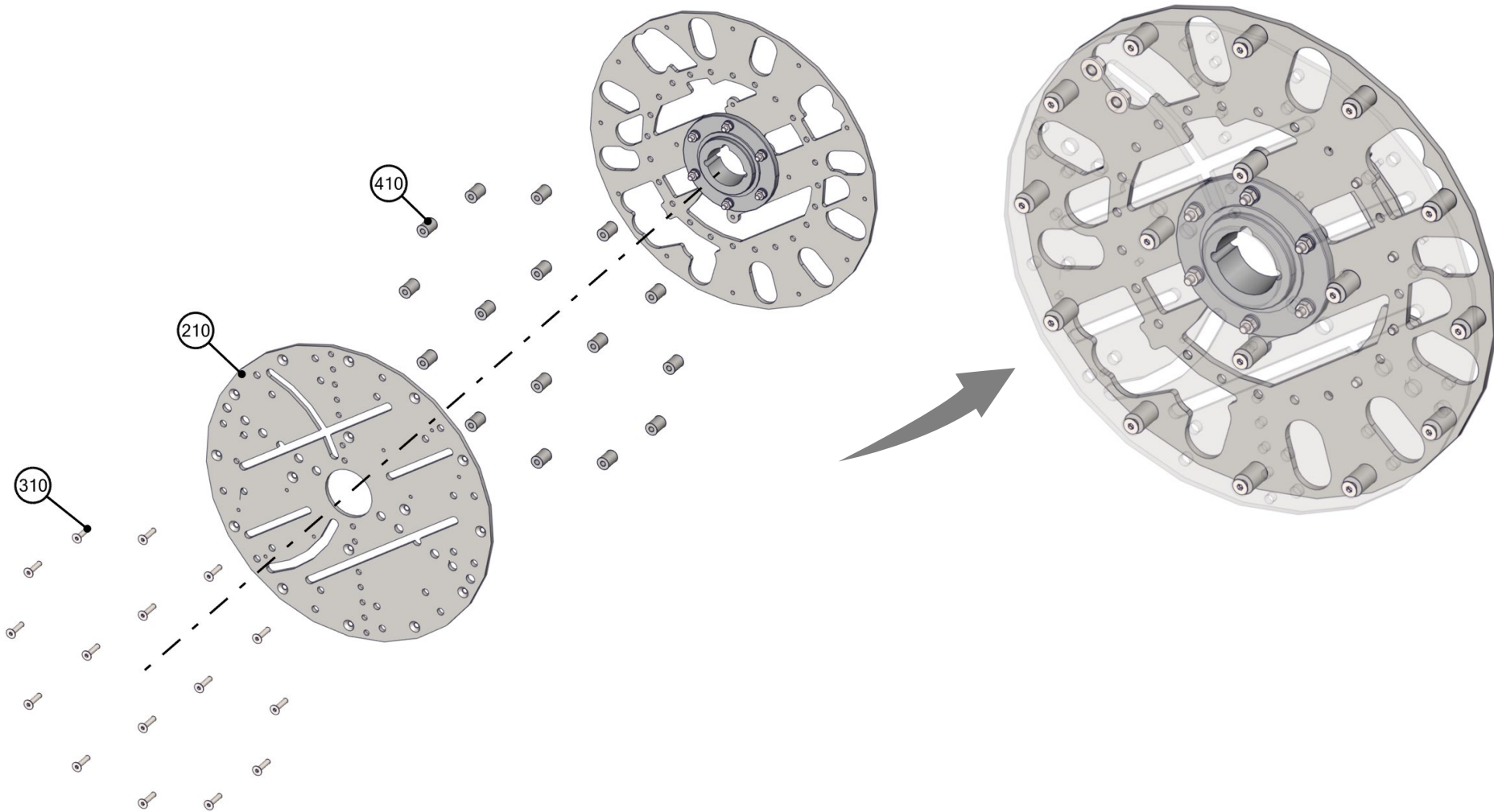


assembly of the toothed belt wheel

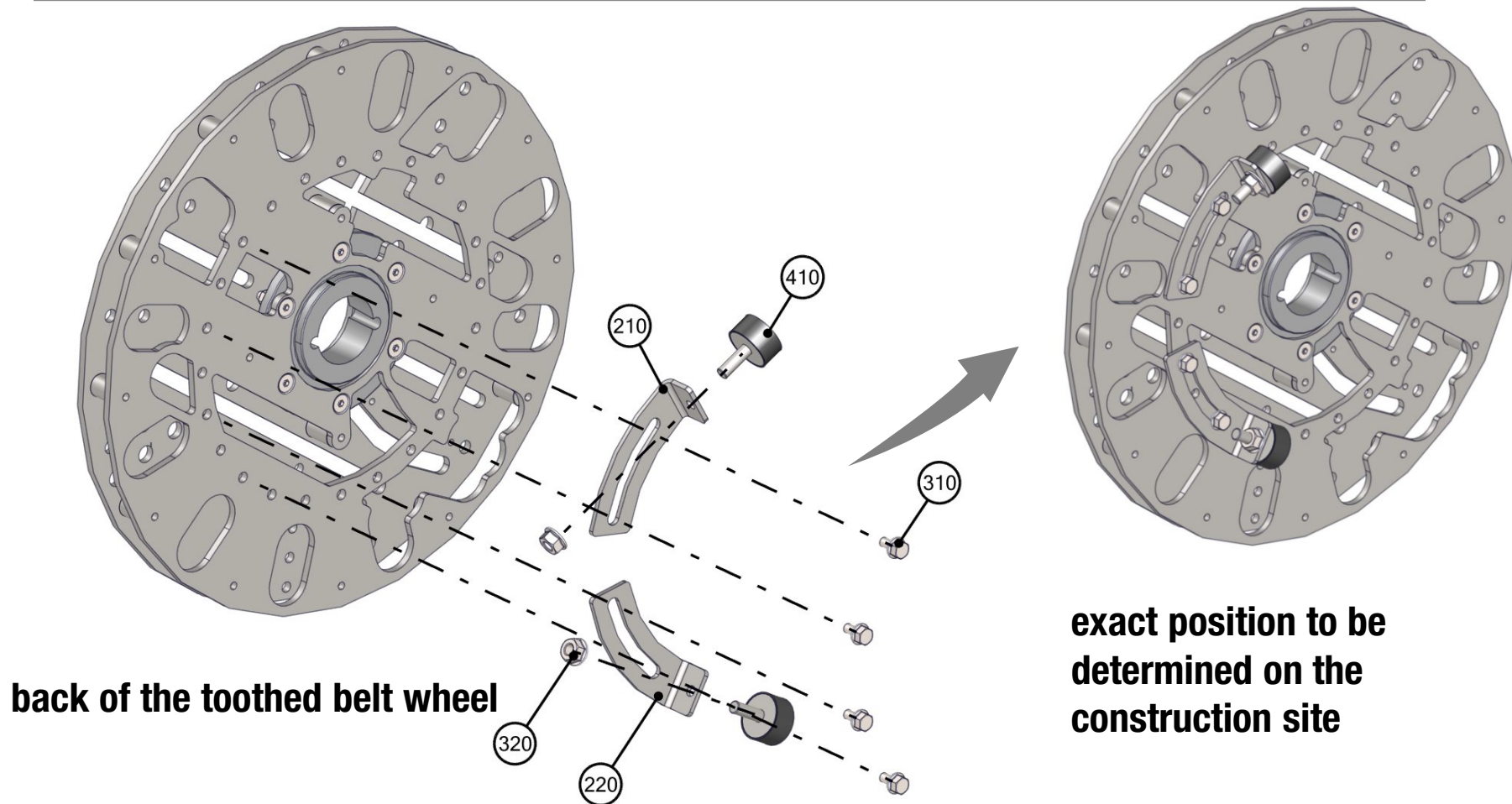




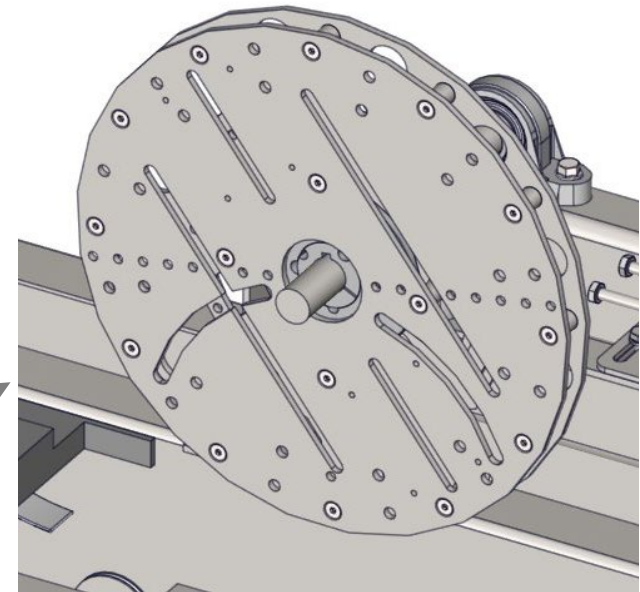
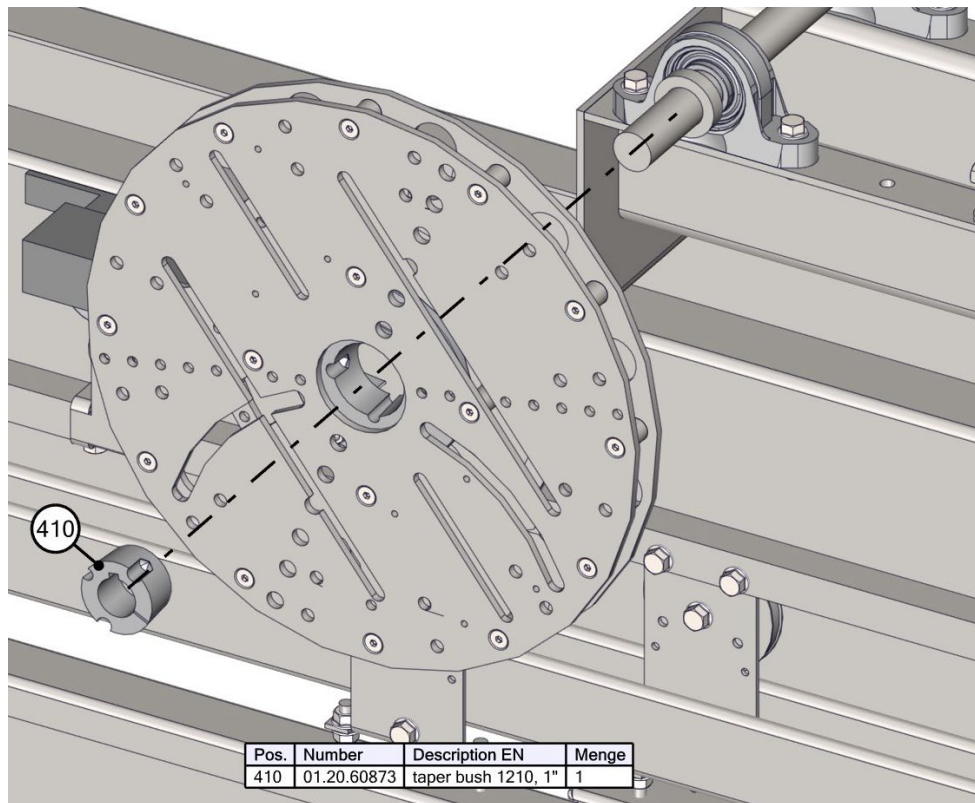
Pos.	Number	Description EN	Menge
210	01.20.60901	guard plate back for univ. toothed belt wheel D14,5 Inch	1
310	01.36.00366	countersunk head screw w.recessed head ISO10642-M6x25-8.8	6
320	01.36.00200	hexagon nut DIN934-8 vz 8.8 - M6	6
330	01.36.05611	washer, 12 x 6,4 ISO 7089(DIN125)	6
340	01.36.00171	lock washer DIN127 vz - M6	6
410	01.20.60870	screw-on hub for taper bushes 1210	1



Pos.	Number	Description EN	Menge
210	01.20.60900	guard plate fornt for univ. toothed belt wheel D14,5 Inch	1
310	01.36.00362	countersunk head screw w.recessed head ISO10642-M6x30-8.8	16
410	01.36.00881	spacer D15 x 20, d6,2	16

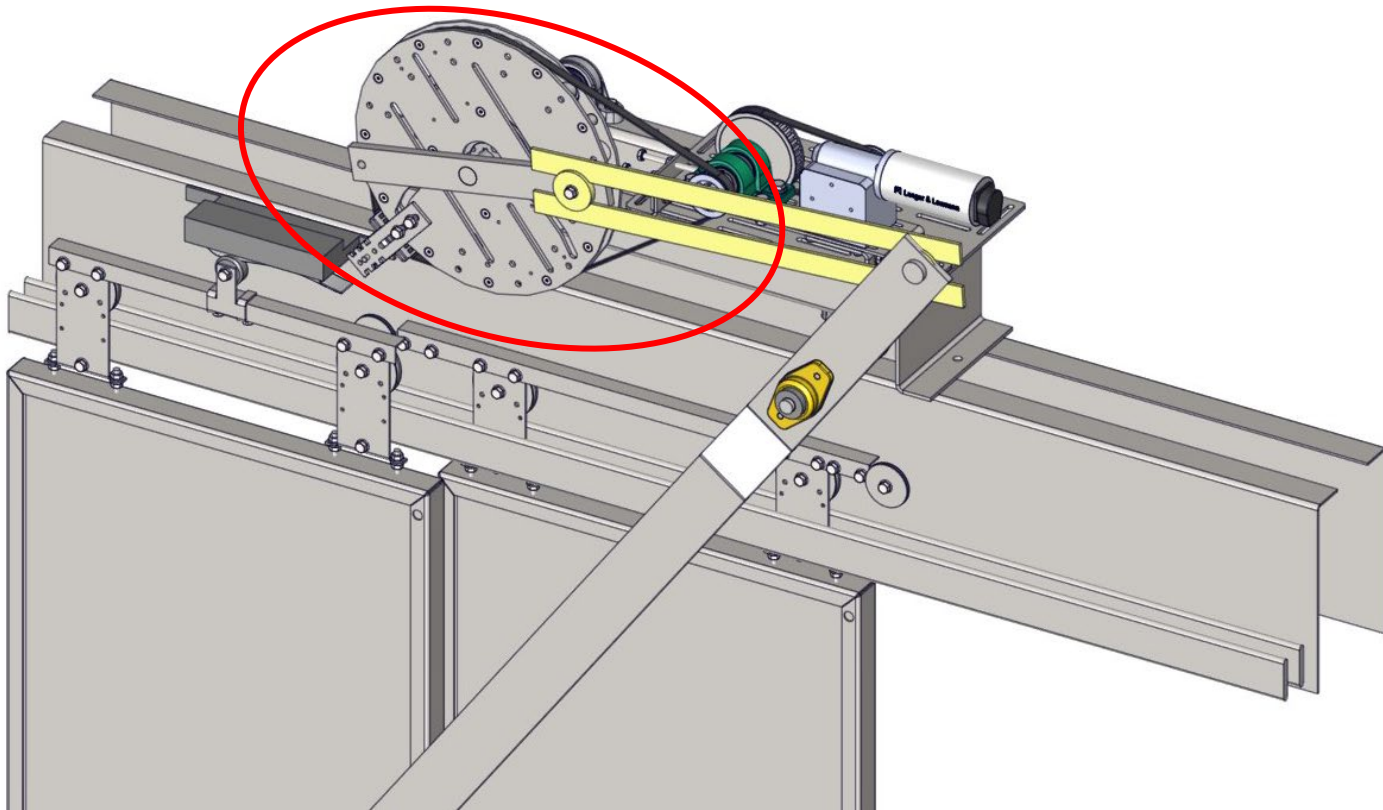


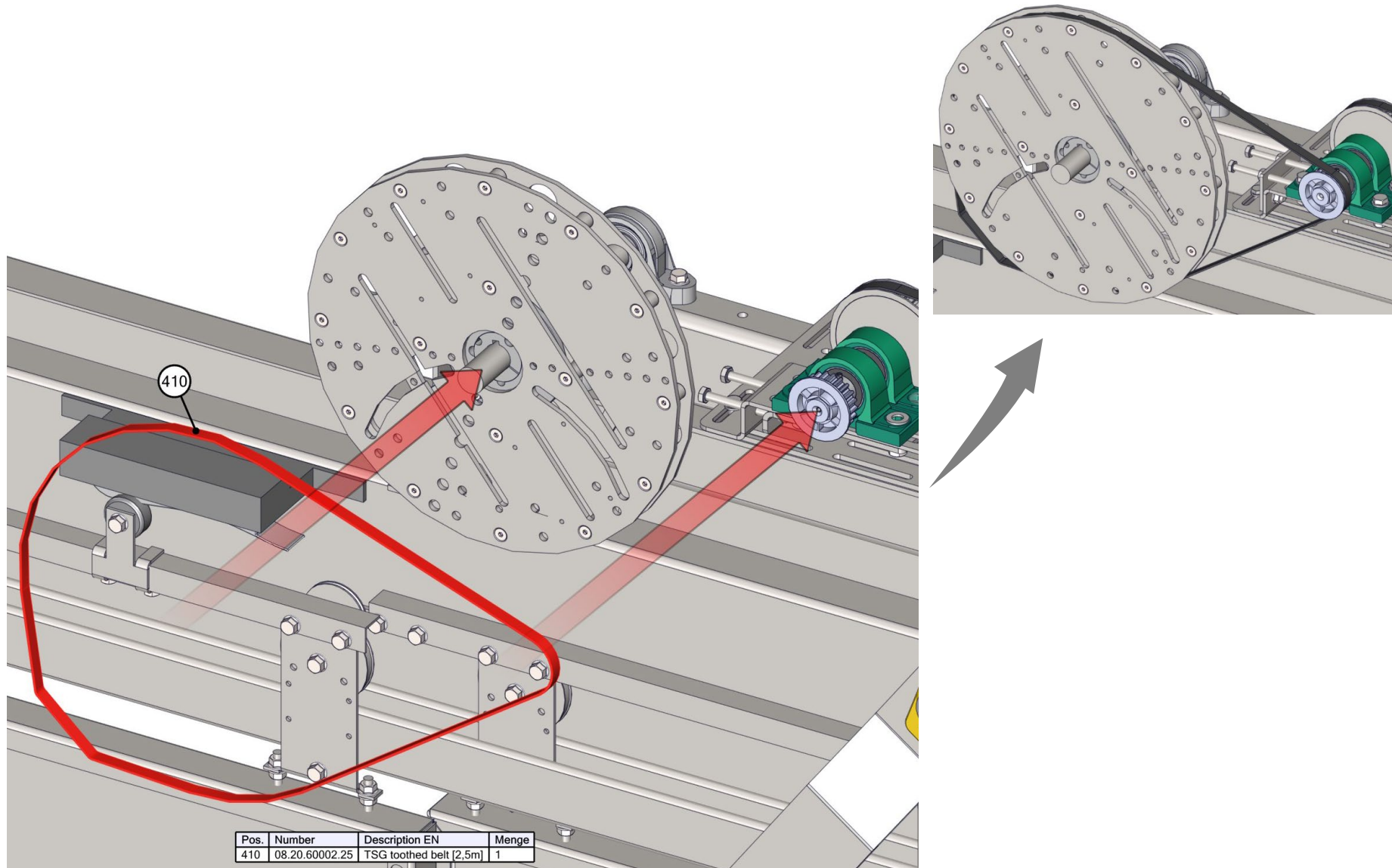
Pos.	Number	Description EN	Menge
210	01.20.60920	buffer holder right for univ. toothed belt wheel D14,5 Inch	1
220	01.20.60921	buffer holder left for univ. toothed belt wheel D14,5 Inch	1
310	01.36.00140	hexagon head serrated screw WN0274 A2C 8.8 - M8x12	4
320	01.36.00501	serrated locking nut, similar to DIN6923 vz - M8	2
410	01.20.91120	rubber-metal bump stop D30x15, threaded stud M8x20, 75 Shore	2

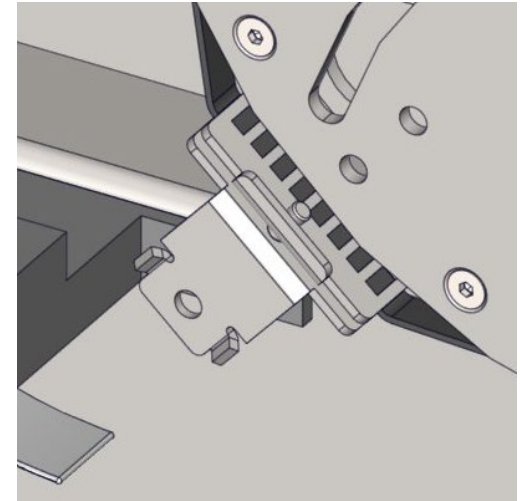
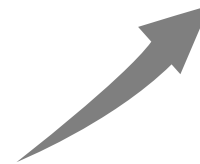
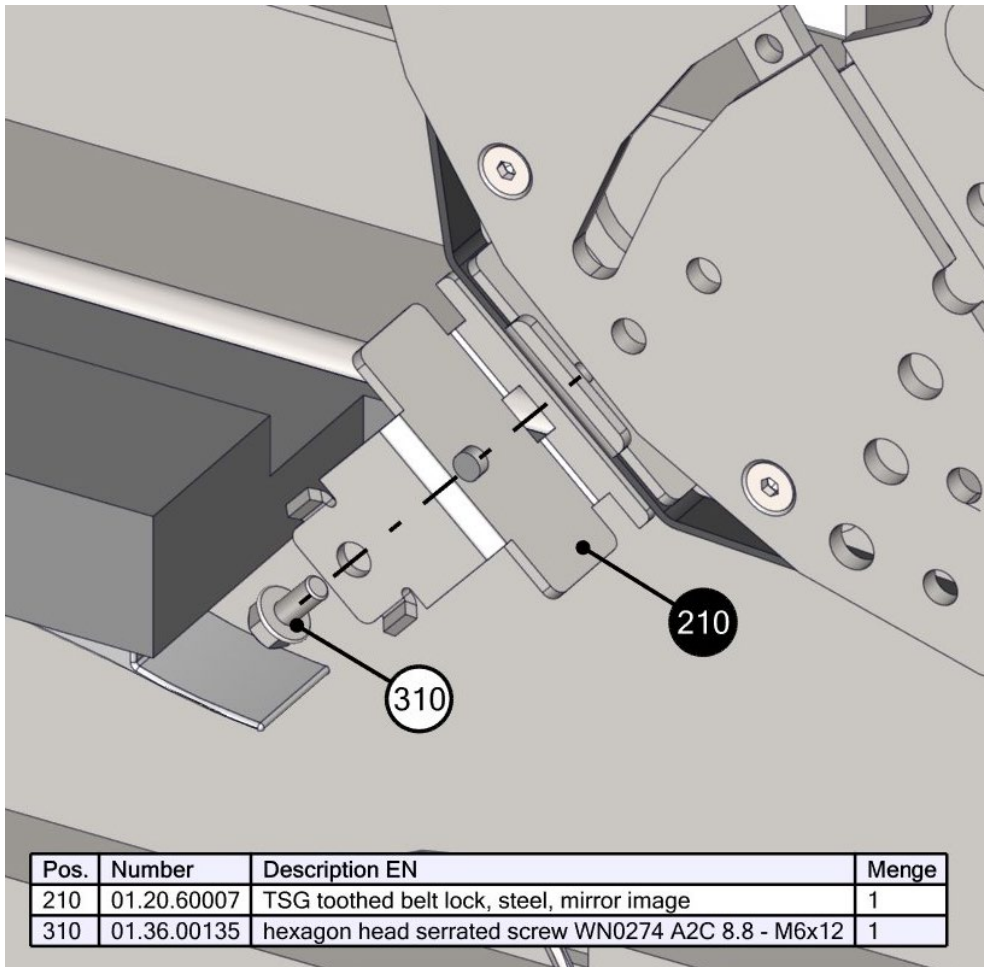


taper bushes for different shaft diameters are enclose

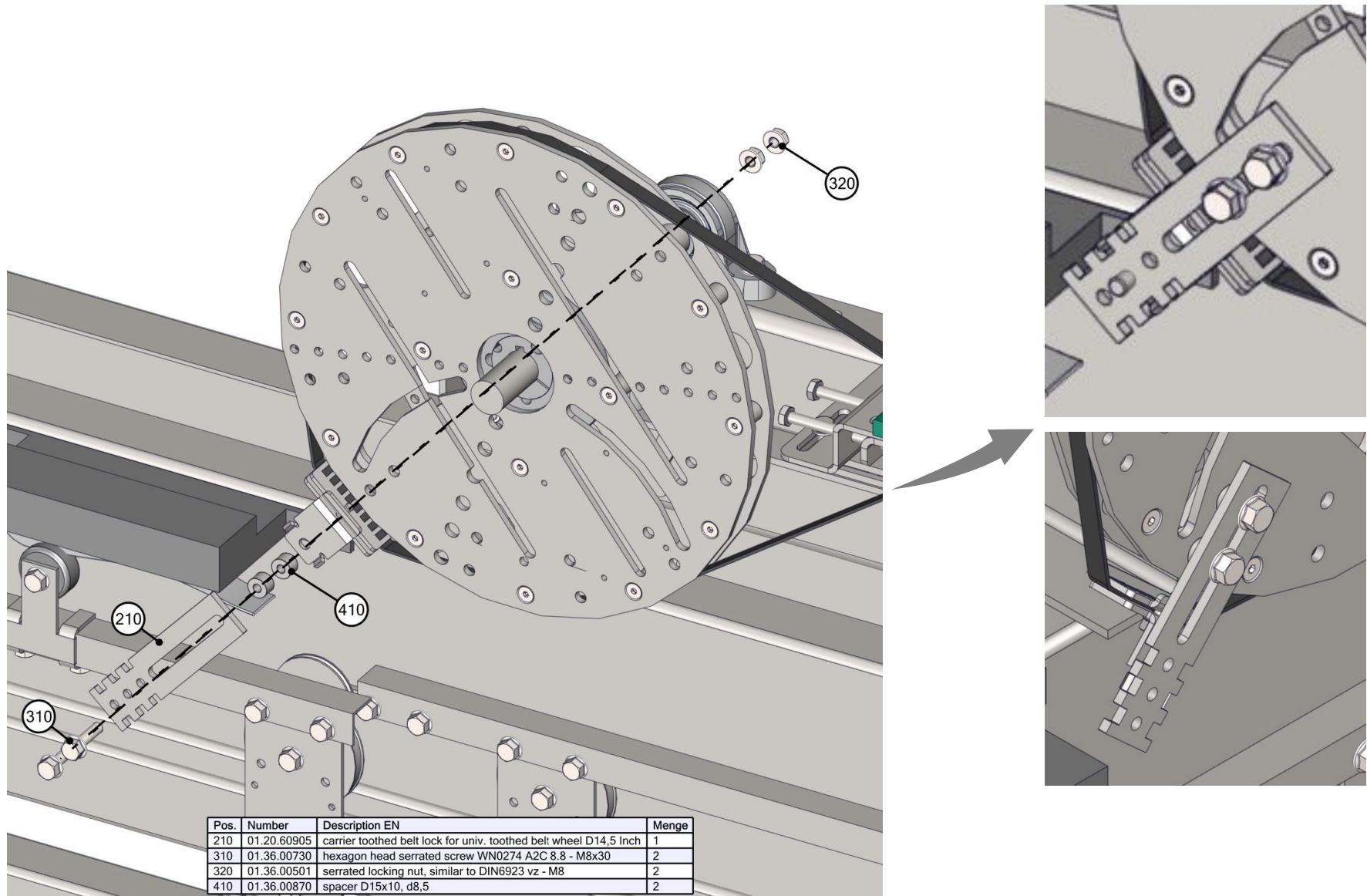
assembly of the toothed belt and toothed belt lock

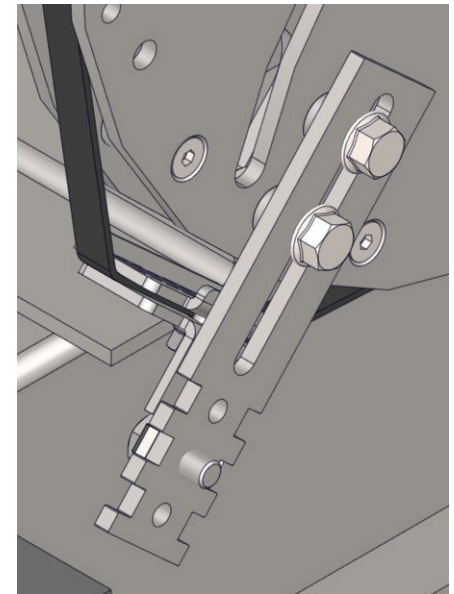
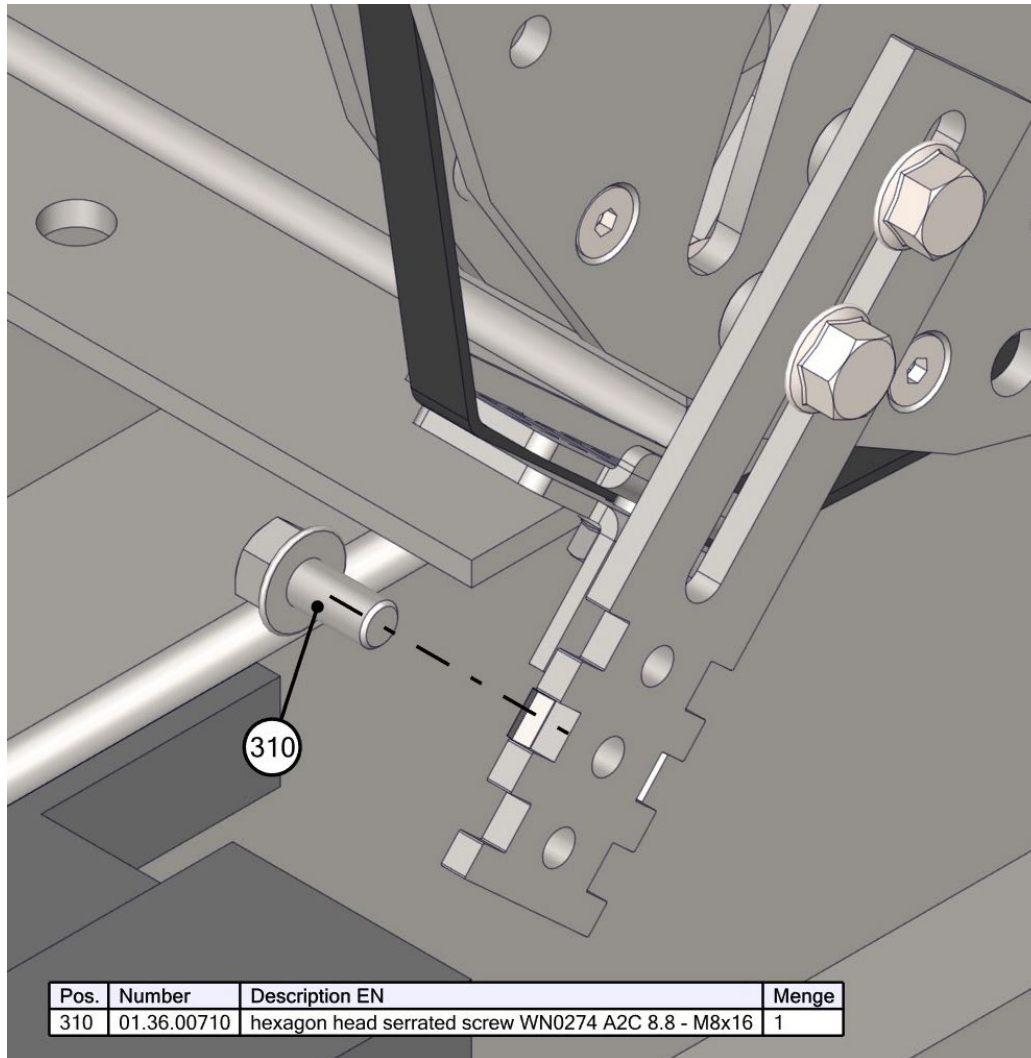




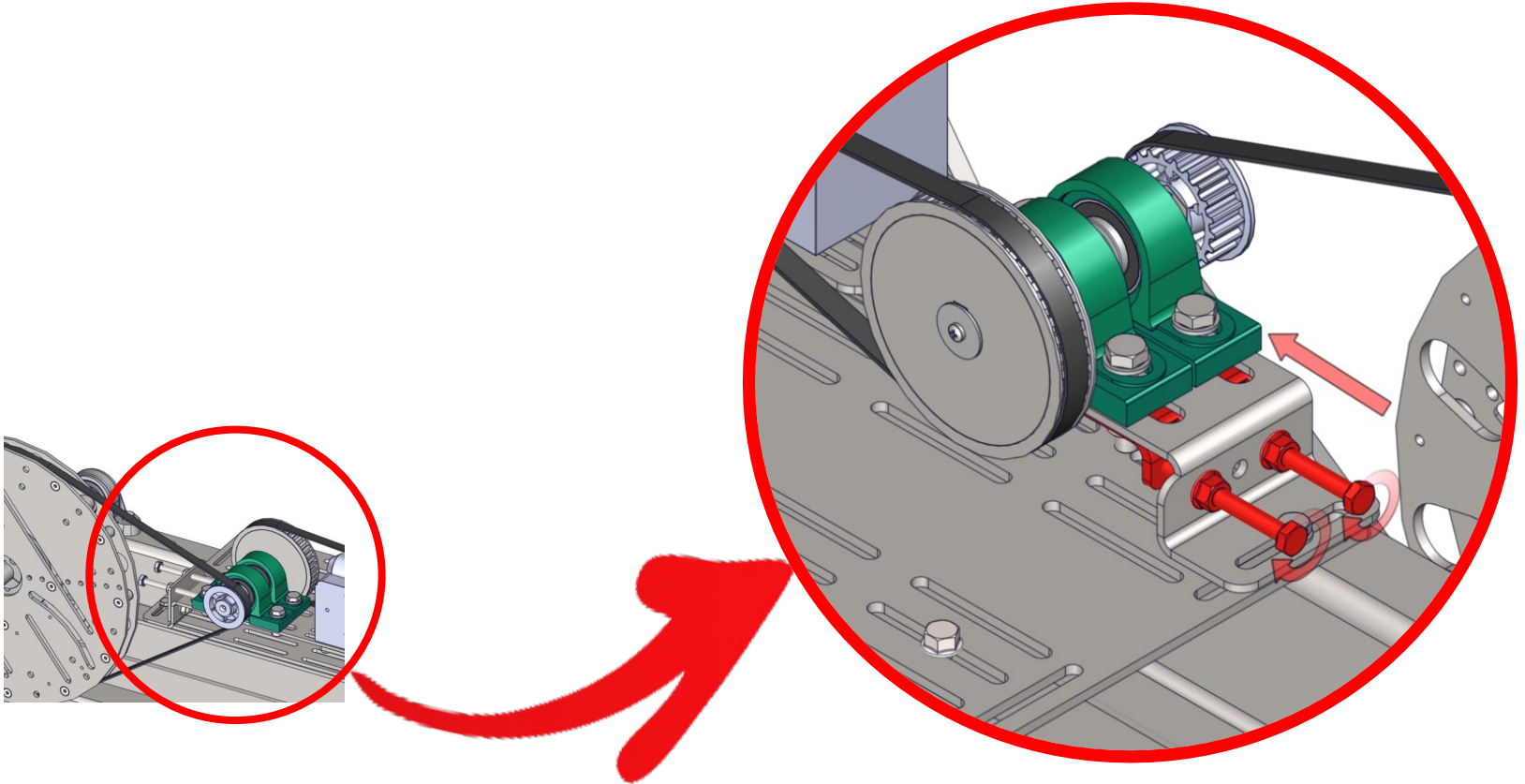


Pos.	Number	Description EN	Menge
210	01.20.60007	TSG toothed belt lock, steel, mirror image	1
310	01.36.00135	hexagon head serrated screw WN0274 A2C 8.8 - M6x12	1

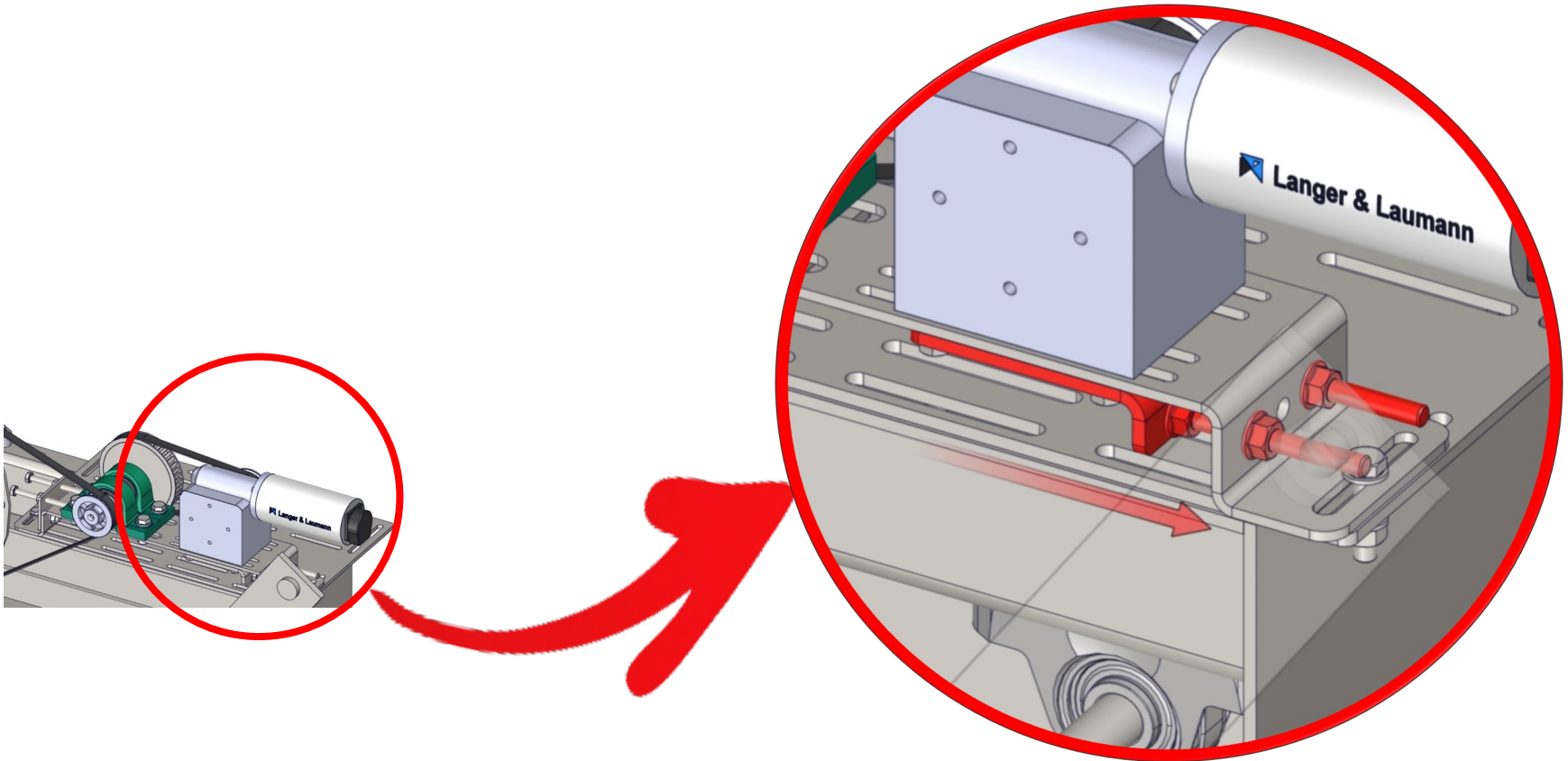




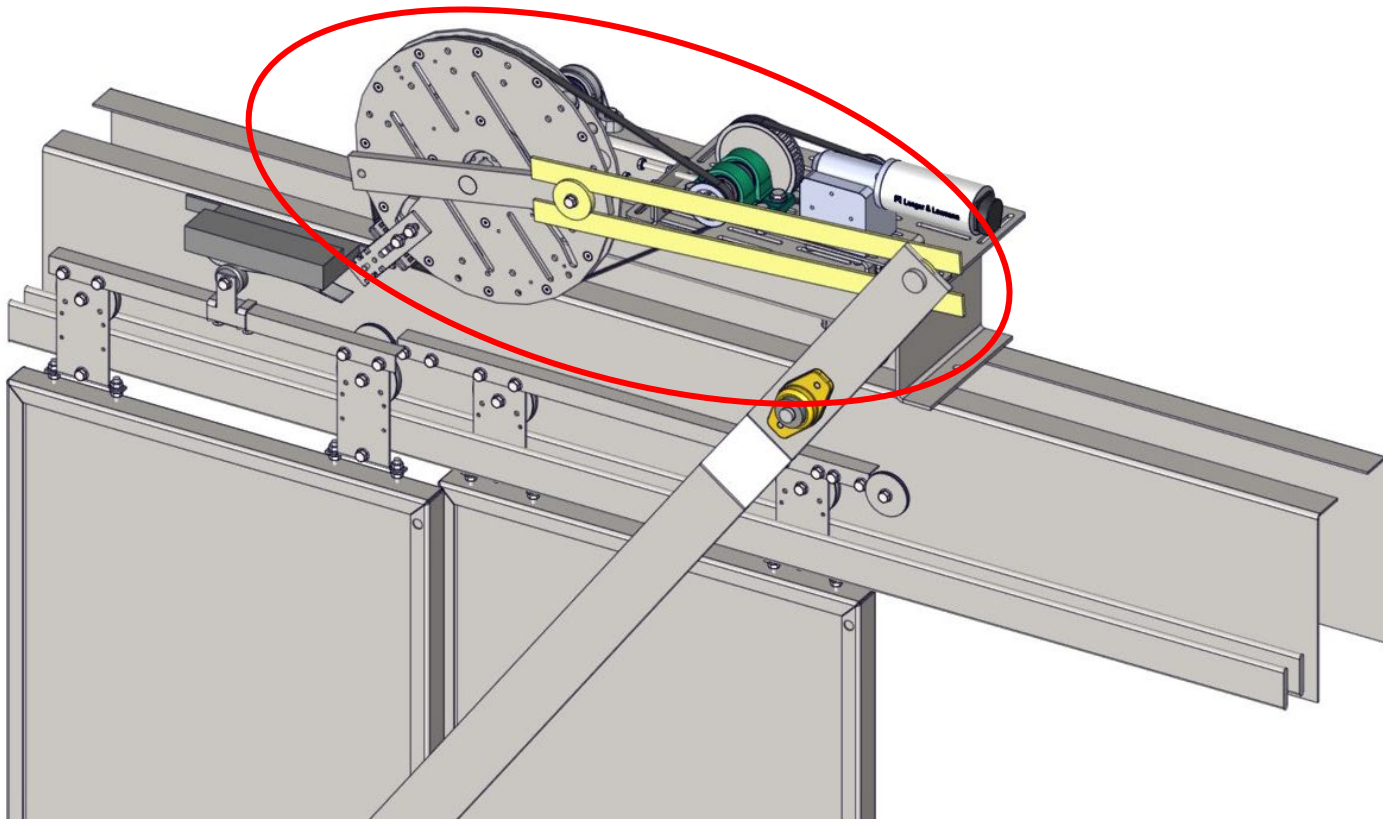
tensioning of the tooth belt, step 1

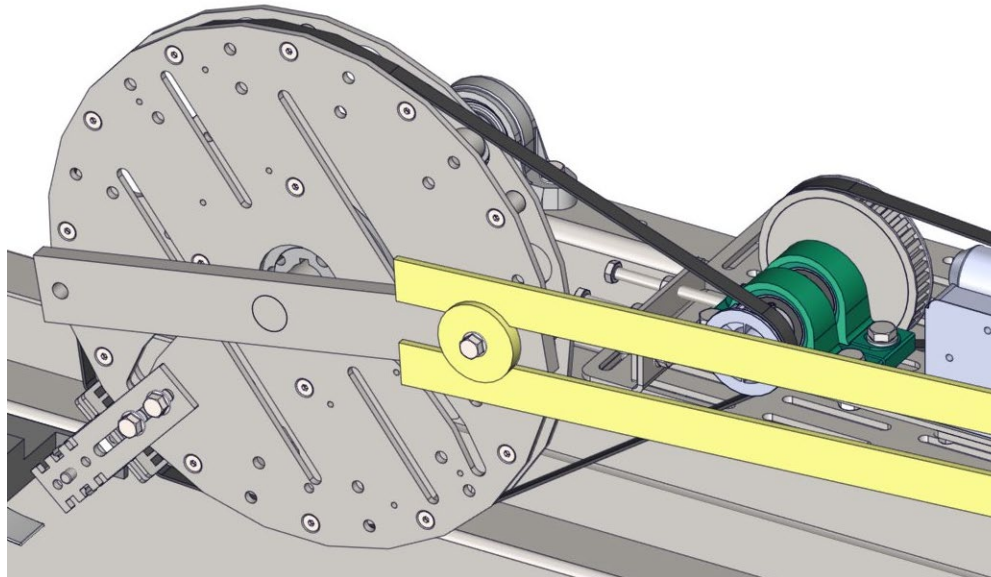
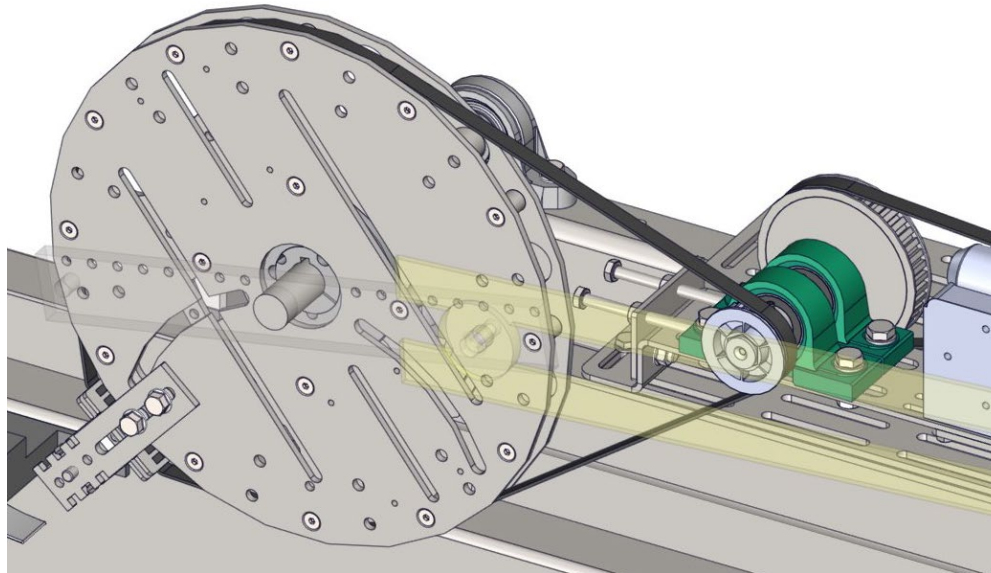


tensioning of the tooth belt, step 2

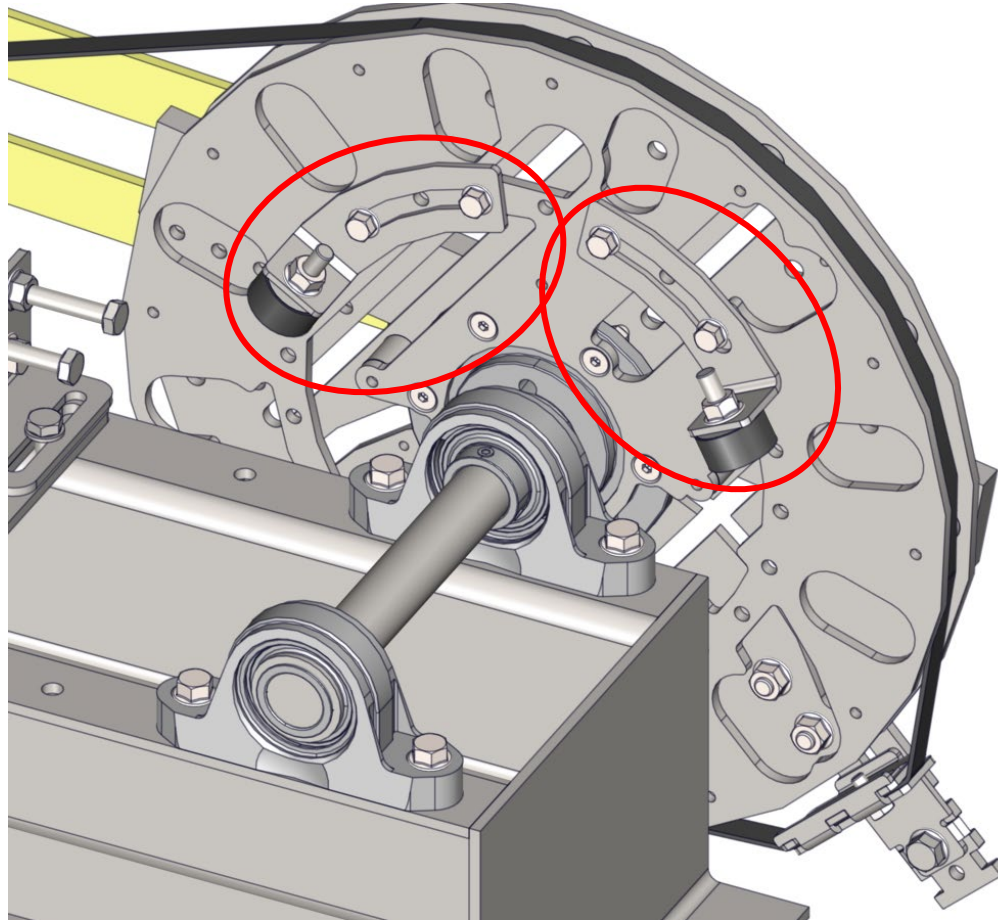


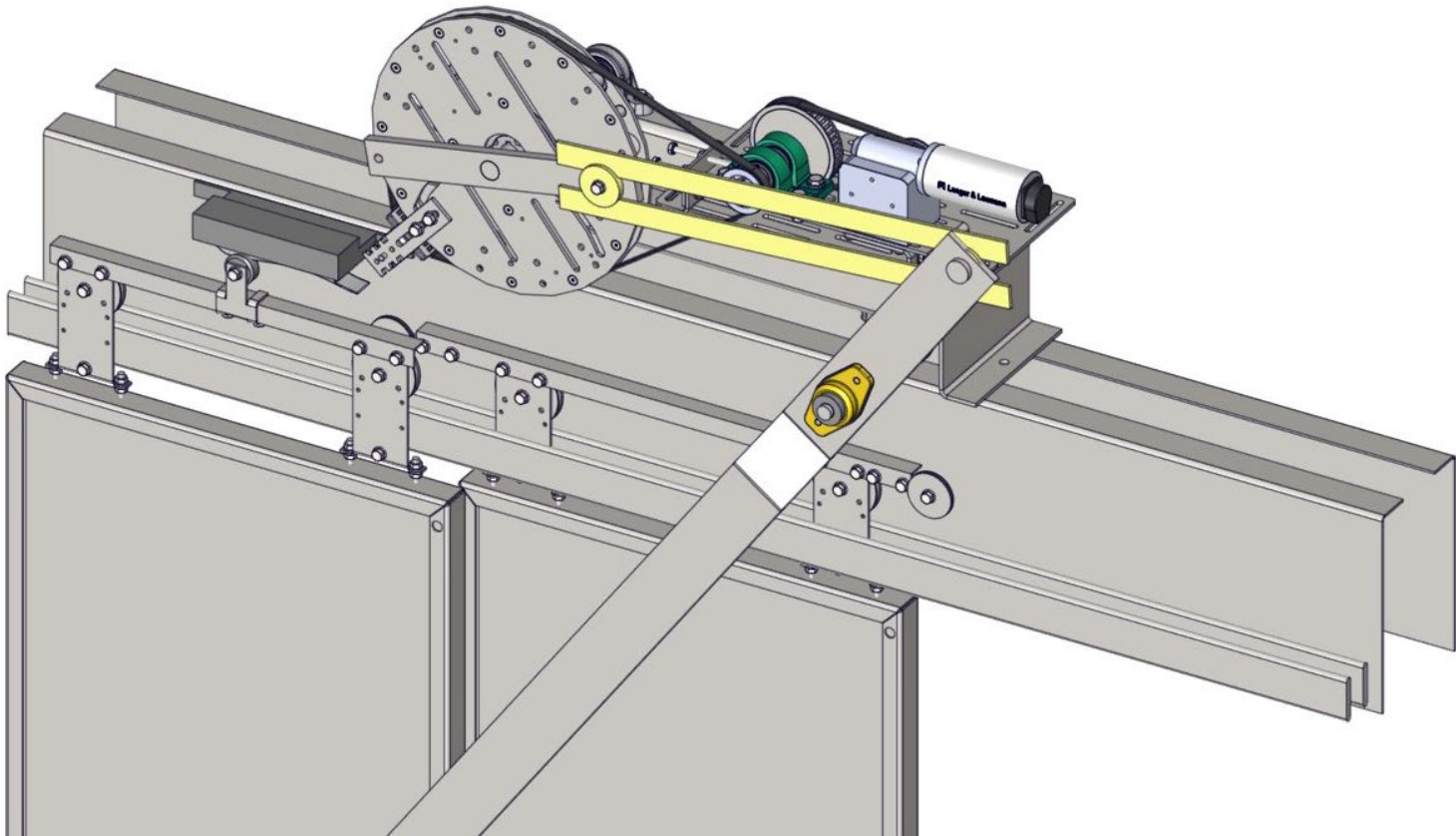
reassemble the existing lever arms on the toothed belt wheel





adjust the bump stop







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