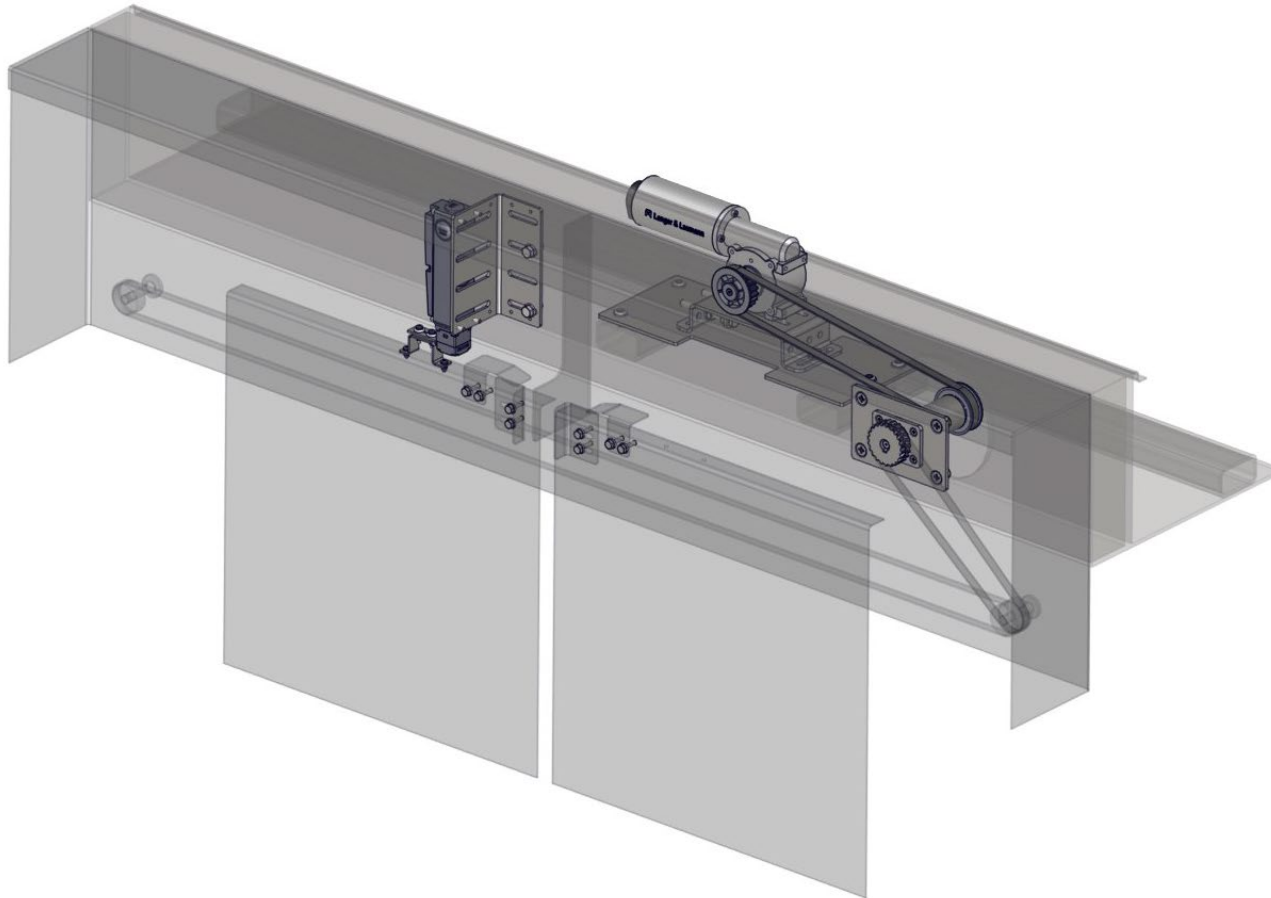


Montageanleitung **Assembly Instruction**

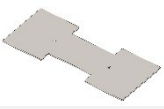
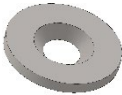
TSG in Otis HPDO **TSG in Otis HPDO**

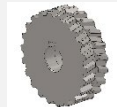
TSG in Otis HPDO – TSG in Otis HPDO



Lieferumfang – scope of delivery



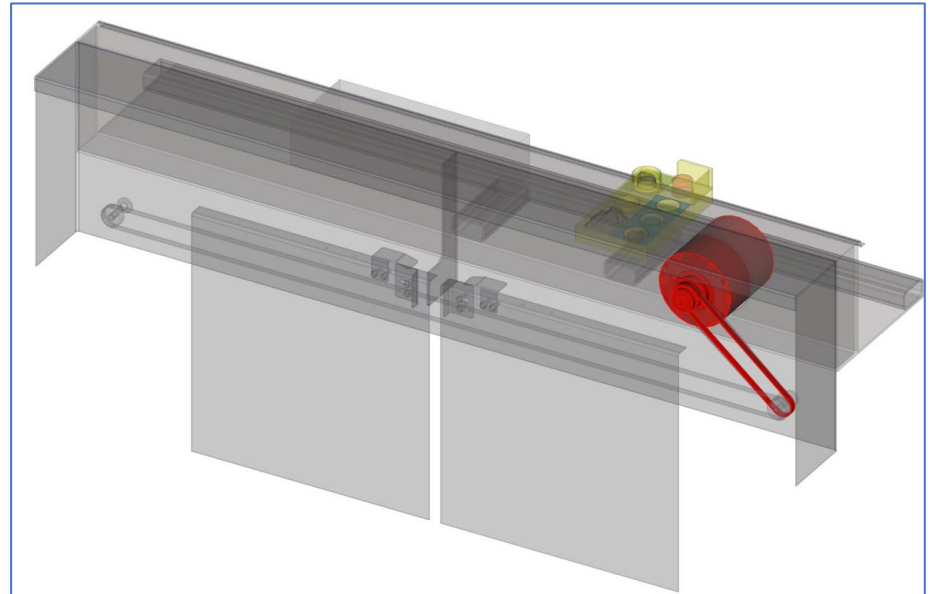
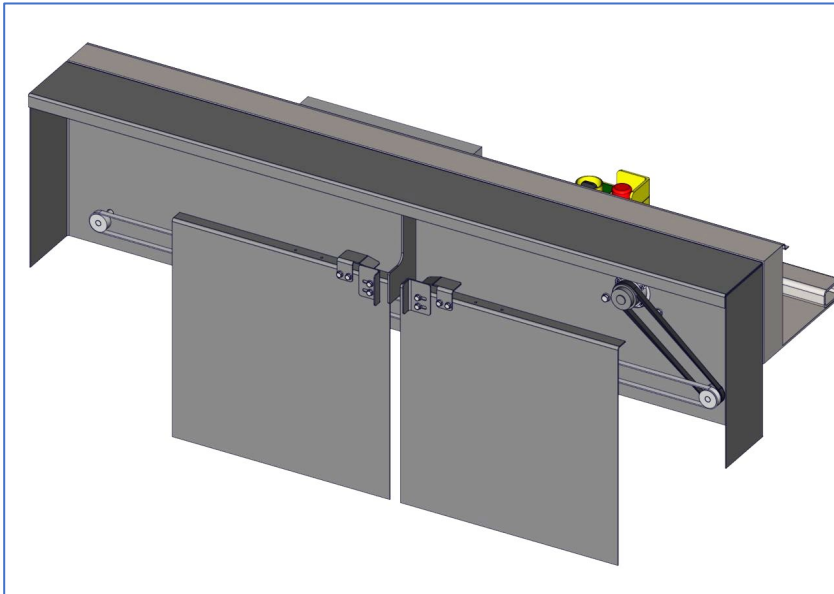
picture	Number	description DE	description EN	quantity
	8.20.00301.04	TSG V4 Lift Door Operator -Electronic extern-	TSG V4 lift door operator -electronic extern- 230[VAC]/50-60	1
	8.20.40000.X1	Motor Gross Links & Getriebe, 24V/4,9A/1:15	motor large left & gearbox, 24V/4,9A/1:15	1
	8.20.11060	TSG Winkelset Motorspanner 'Hut' (nur K1-Antriebe)	TSG bracket set motor tensioner 'hat' (only K1 motor)	1
	1.20.34041	Halter für Betätiger FKTV (Zuhaltung) auf Türflügel	holder for actuator FKTV (locking) on door panel	1
	1.20.34080	Universal Halter „L“ für Schalter FKTV/Z	universal holder „L“ for switch FKTV/Z	1
	1.20.92115	Adapterplatte für Otis HPDO	adapter plate for Otis HPDO	1
	1.20.92116	Grundplatte Motor für Otis HPDO	base plate motor for Otis HPDO	1
	1.20.32010_ Scheibe	Antriebsumlenkung, Scheibe	drive reversing, washer	1

picture	Number	description DE	description EN	quantity
	1.20.32010	Antriebsumlenkung, komplett (Zahnrad demontiert), aus C45	drive reversing, complete (gear wheel dismounted), C45	1
	1.20.60620	Zahnriemenrad, SilentSync(Eagle), d=14H7, D=54[mm], B=19,5[mm]	timing belt pulley, SilentSync, d=14H7, D=54[mm], B=19,5[mm]	1
	1.36.00014	Linsenschraube DIN7985 vz 4.8 - M4x12	pan head screw DIN7985 vz 4.8 - M4x12	2
	1.36.00008	Linsenschraube DIN7985 vz 4.8 - M4x20	pan head screw DIN7985 vz 4.8 - M4x20	2
	1.36.00455	Sechskantmutter DIN985 vz 8.8 Polyamidklemmteil - M4	hexagon nut DIN985 low profile vz 8.8, w clamping piece - M4	4
	1.36.00480	Scheibe DIN125A vz - 4,3	washer DIN125A vz - 4,3	6
	1.36.00509	Sperrzahnmutter, ähnlich DIN6923 vz - M5	ribbed nuts, similar to DIN6923 vz - M5	4
	1.36.00501	Sperrzahnmutter, ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	8
	1.36.00429	Sechskantmutter DIN439 niedrige Form vz 8.8 - M8	hexagon nut DIN439 low profile, vz 8.8 - M8	4

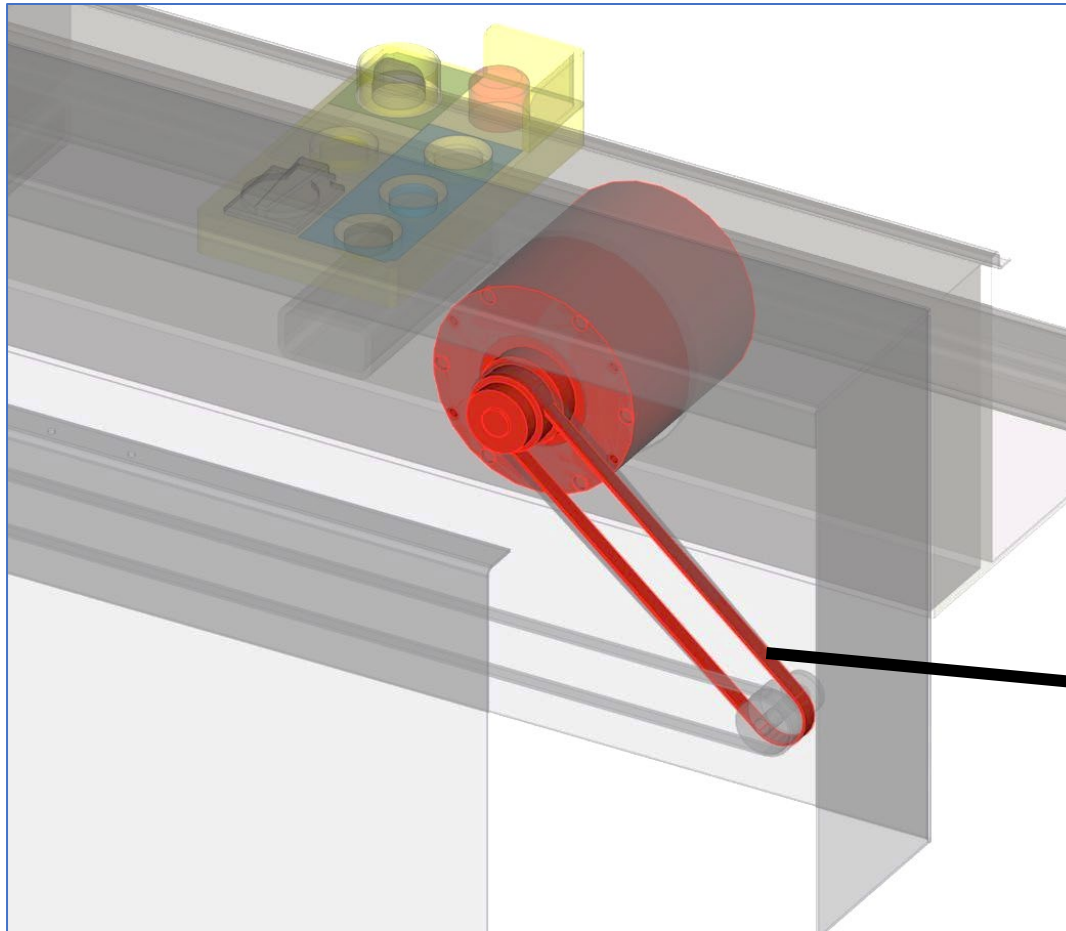
picture	Number	description DE	description EN	quantity
	1.36.00720	Sperrzahnschraube WN0274 A2C 8.8 - M8x20	hexagon head serrated screw WN0274 A2C 8.8 - M8x20	2
	1.36.01028	Zylinderschraube ISO4762/DIN912 Innensechskant vz 8.8 – M5x45	hexagon socket head cap screw ISO4762/DIN912 vz 8.8 - M5x45	4
	1.36.00138	Sperrzahnschraube WN0274 A2C 8.8 - M6x16	hexagon head serrated screw WN0274 A2C 8.8 - M6x16	4
	1.36.00730	Sperrzahnschraube WN0274 A2C 8.8 - M8x30	hexagon head serrated screw WN0274 A2C 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	4
	1.36.00593	Senkkopfschraube mit Innensechskant ISO10642 vz 8.8 - M5x12	countersunk screw hexagon socket head ISO10642 vz8.8 - M5x12	2
	1.36.00592	Senkkopfschraube mit Kreuzschlitz DIN965 vz 4.8 - M5x16	countersunk screw w. cross recess DIN965 vz 4.8 - M5x16	4
	1.36.00380	Senkkopfschraube mit Innensechskant DIN7991 vz 8.8 - M8x20	countersunk head screw w. recessed head DIN7991 vz8.8 - M8x20	4
	1.14.20722	Betätiger S für Fahrkorb-Türzuhaltemechanismusschalter	actuator S for lift cabin-car door restriction mechanism switch	1

picture	Number	description DE	description EN	quantity
	1.14.20712	Kabinentürzuhalteschalter für FKTV	car door restriction switch for FKTV	1
	1.20.61150	Zahnriemen für Sonderantrieb Endlos 760[mm], Breite 12[mm]	belt for special drive endless 760[mm], width 12[mm]	1
	1.20.61160	Zahnriemen für Sonderantrieb Endlos 800[mm], Breite 12[mm]	belt for special drive endless 800[mm], width 12[mm]	1
	1.20.61175	Zahnriemen für Sonderantrieb Endlos 864[mm], Breite 12[mm]	belt for special drive endless 864[mm], width 12[mm]	1
	1.20.61180	Zahnriemen für Sonderantrieb Endlos 920[mm], Breite 12[mm]	belt for special drive endless 920[mm], width 12[mm]	1

Vor Umbau – before conversion

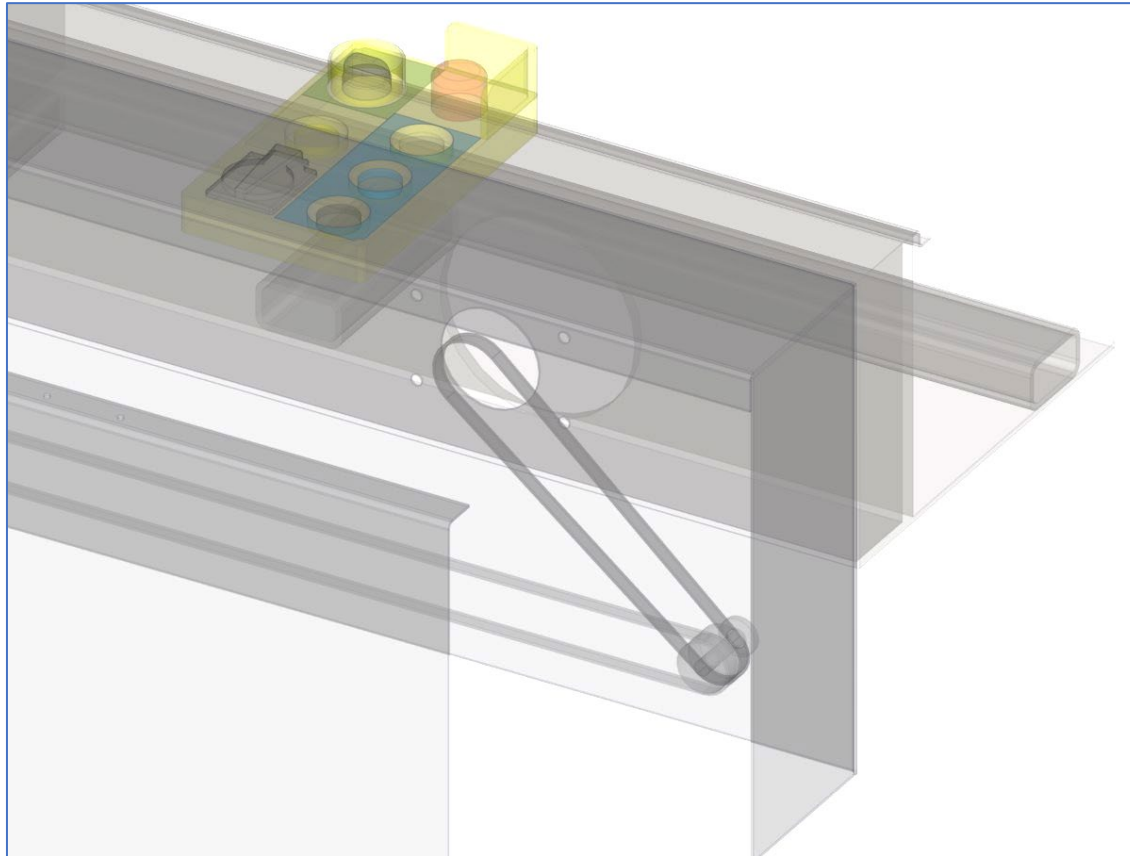


Vor Umbau entfernen – remove before conversion

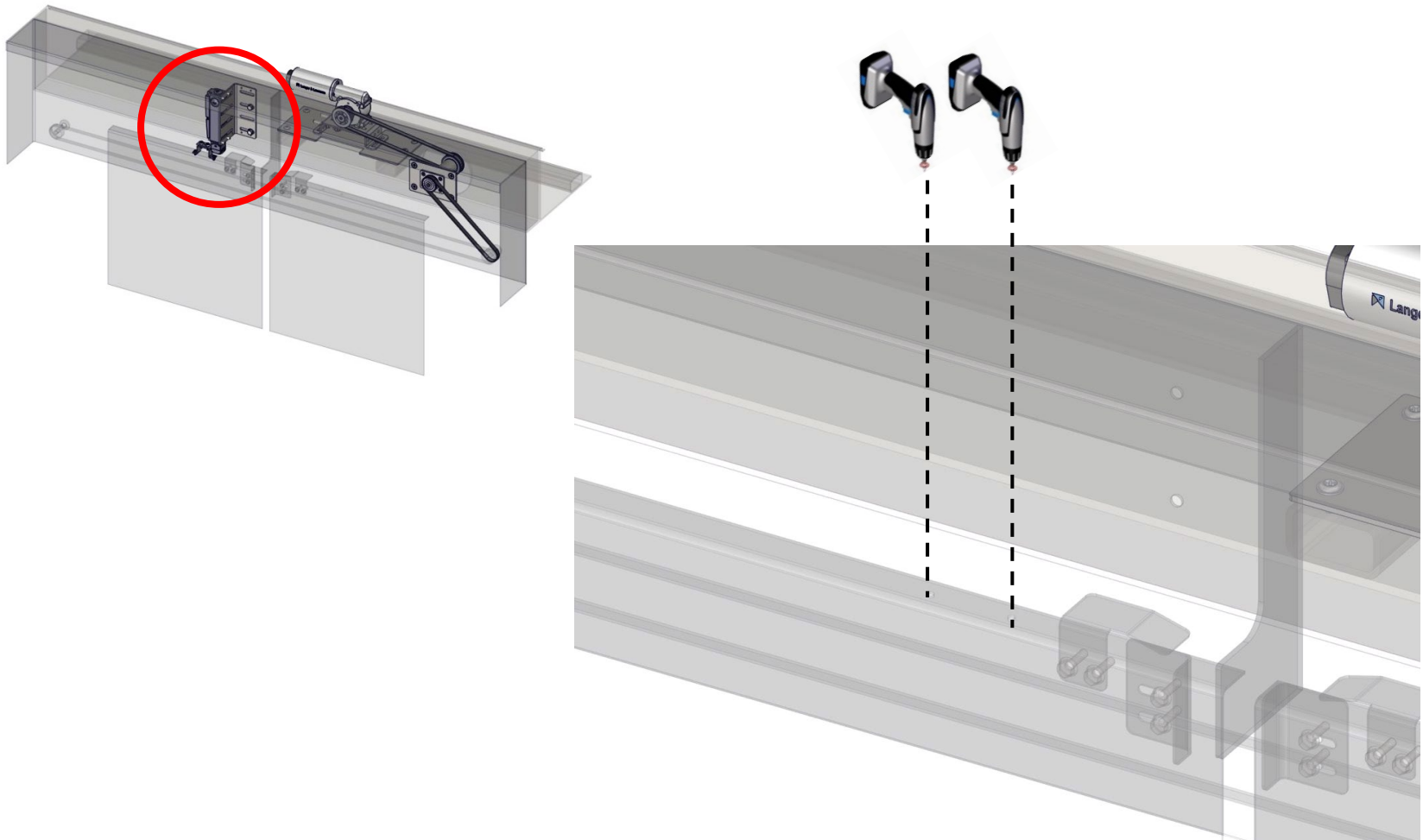


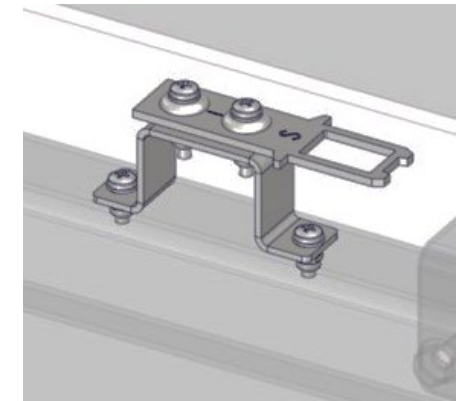
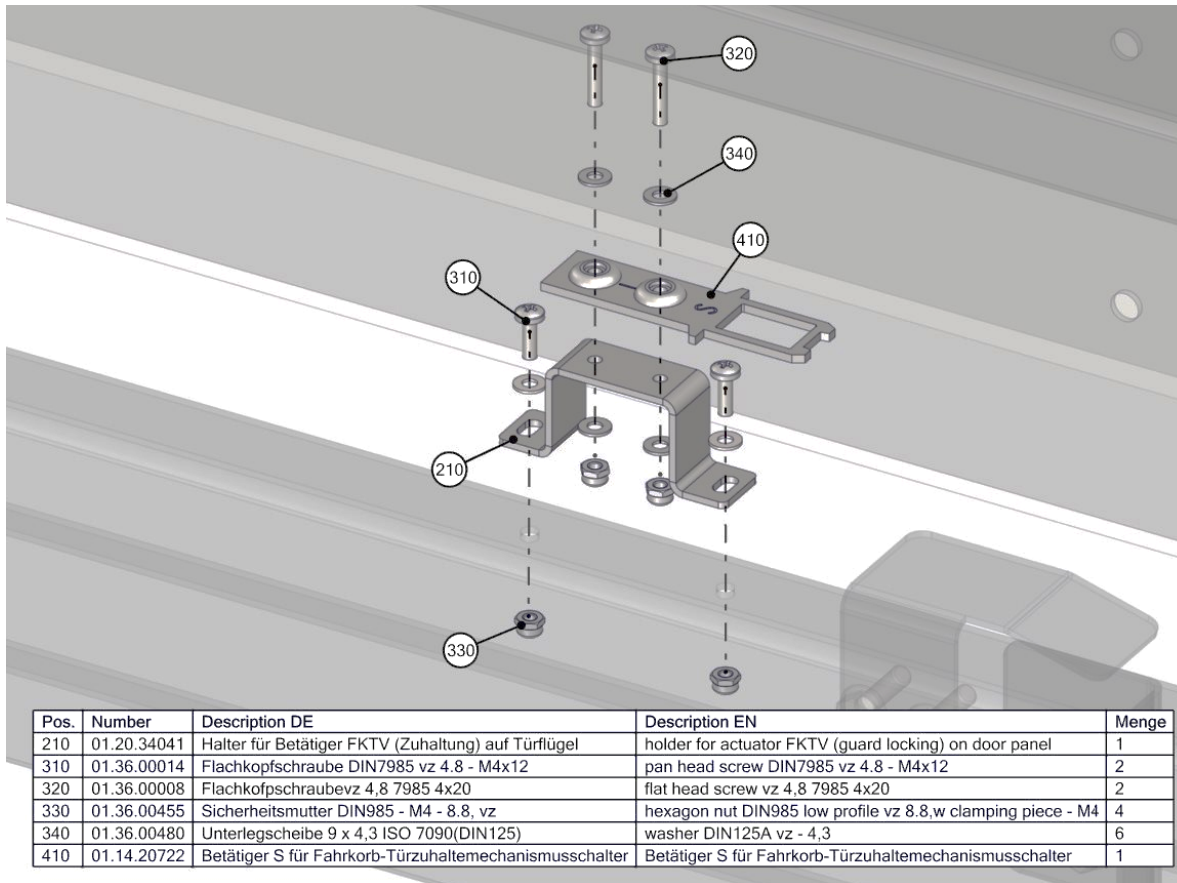
**Der silentSync
Zahnriemen wird
demontriert und
später wieder
eingesetzt –
the silentSync
toothed belt is
removed and
reinstalled later**

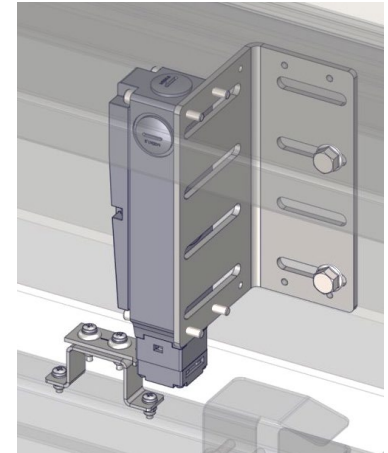
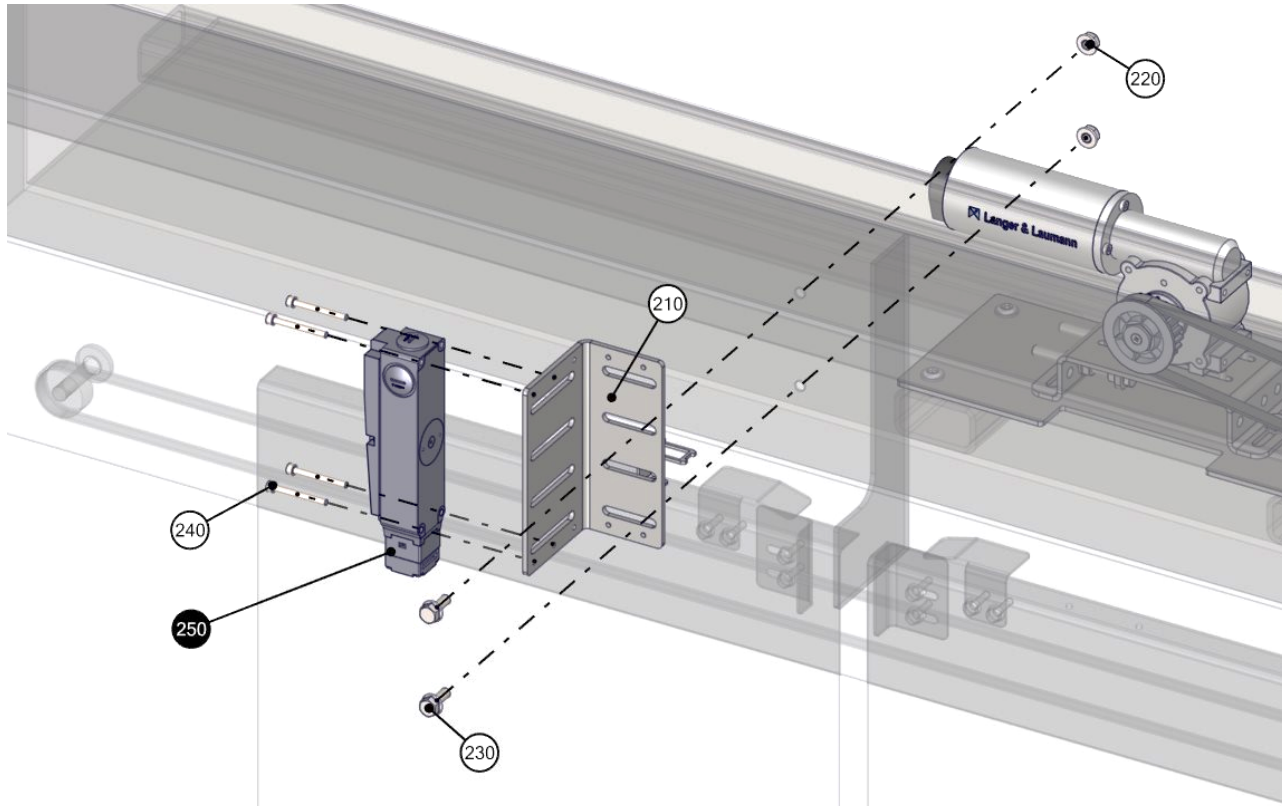
Nach Demontage – after disassembly



Montage Kabinentürzuhalteschalter – assembly of safety switch with guard lock

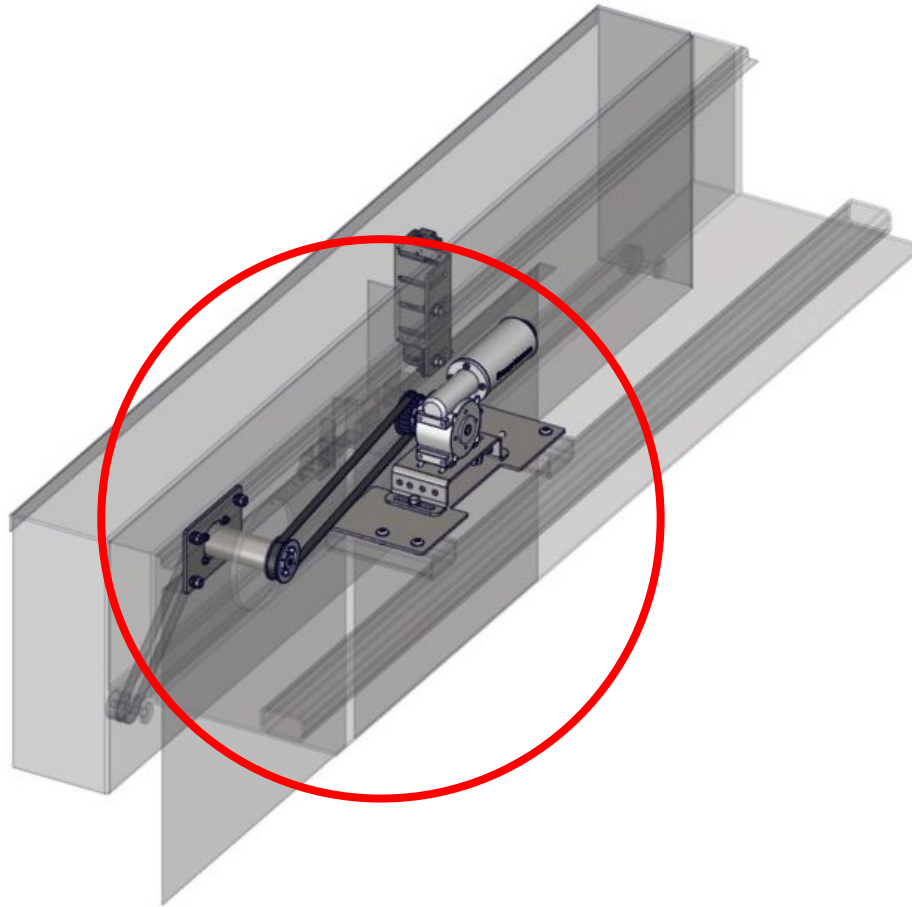


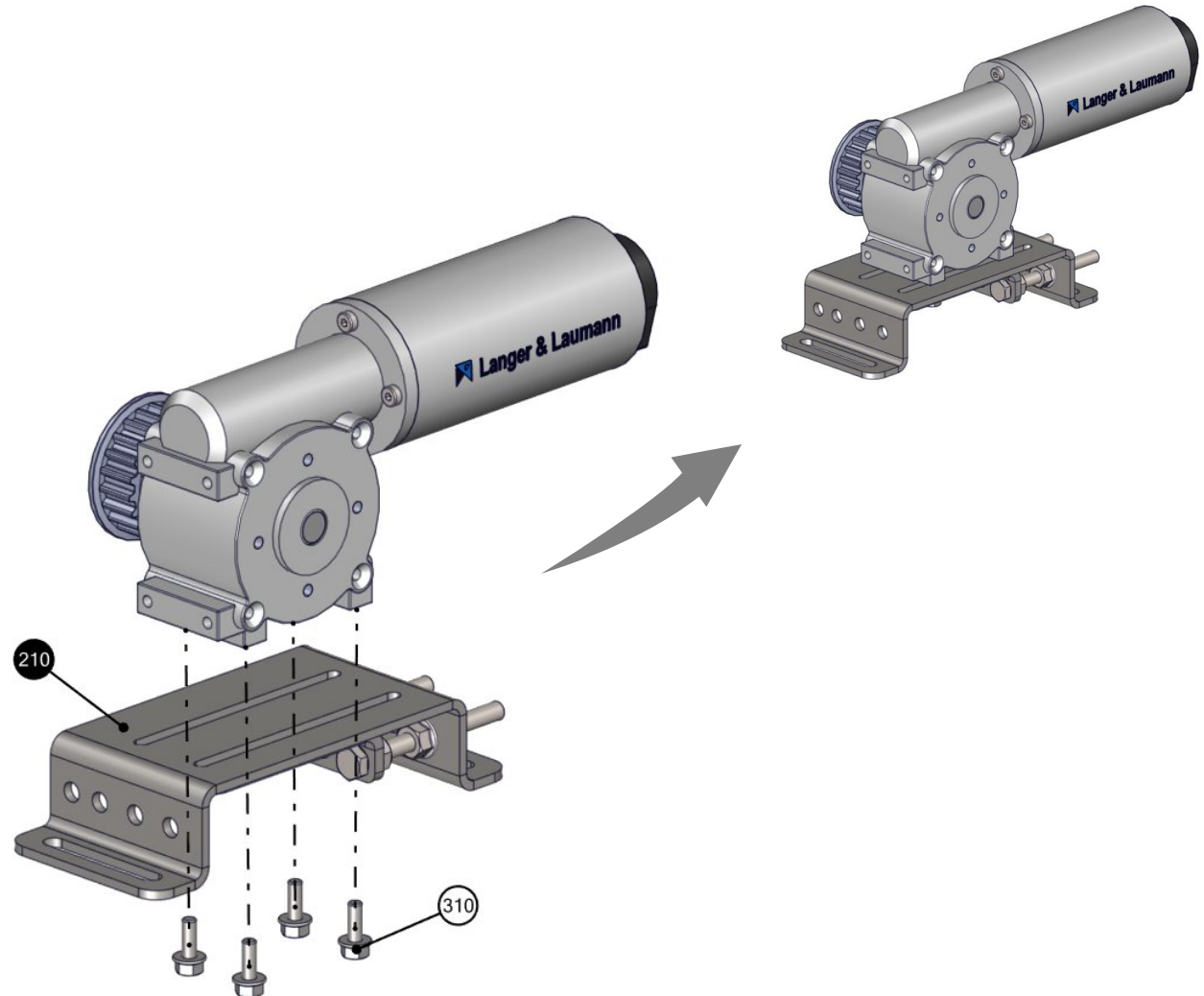




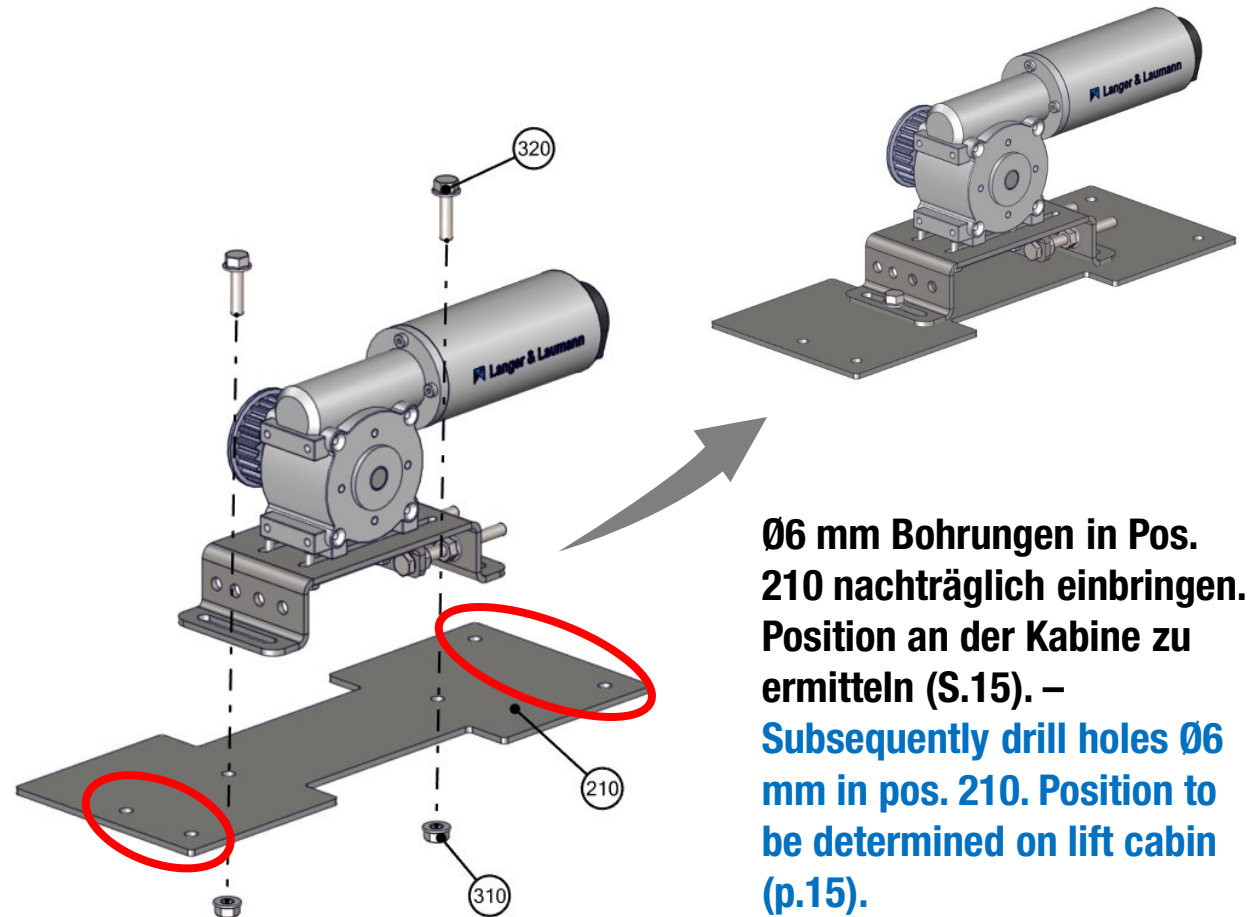
Pos.	Number	Description DE	Description EN	Menge
210	01.20.34080	Uni. Halter L für Schalter FKTV (Zuhaltung)	universal holder „L“ for switch FKTV/Z	1
220	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	2
230	01.36.00720	Sperrzahnschraube WN0274 A2C 8.8 - M8x20	Hexagon head serrated screw WN0274 A2C 8.8 - M8x20	2
240	01.36.01028	Zylinderschraube m. Innensechskant, ISO 4762-M5x45 - 8.8	hexagon socket head cap screw ISO4762-M5x45 - 8.8	4
250	01.14.20712	Kabinentürzuhalteschalter für FFTV Fahrkorb-Kabinentürverriegelung (Metall)	safety switch with guard lock for FFTV	1

Montage TSG und Umlenkrollen – assembly of TSG and pulleys

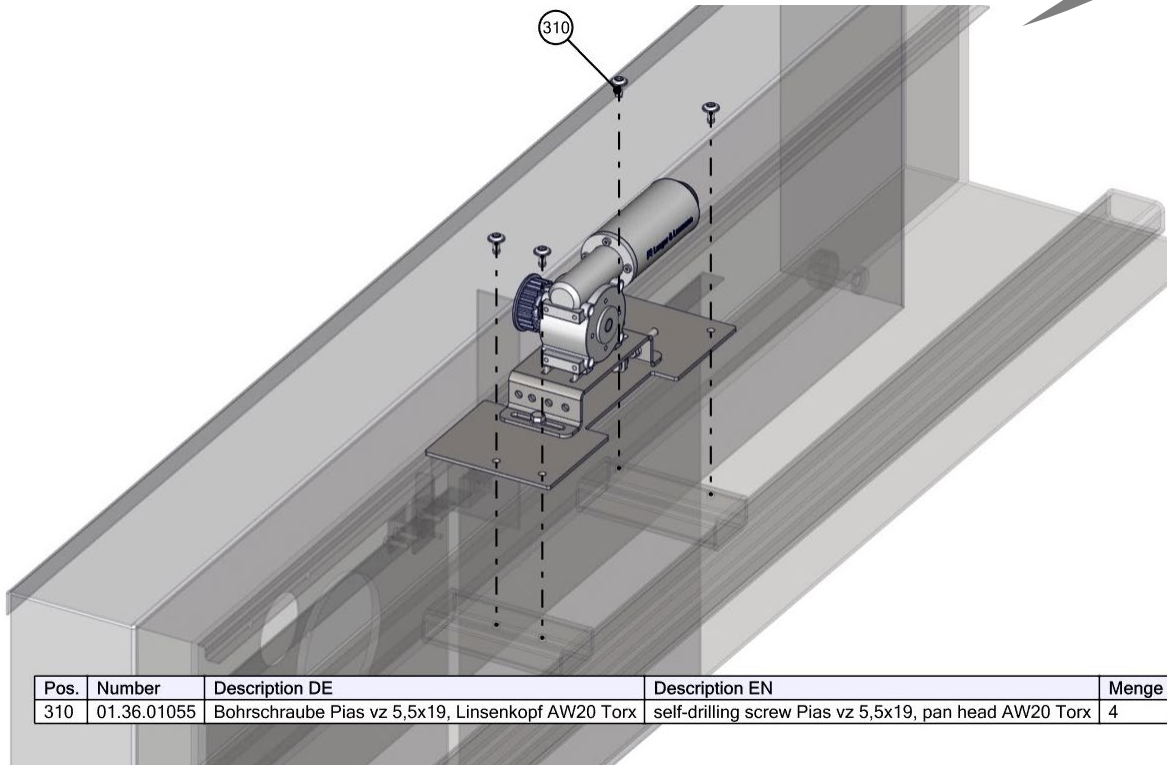




Pos.	Number	Description DE	Description EN	Menge
210	08.20.11060	TSG Winkelset Motorspanner Hut (nur K-Antriebe)	TSG bracket set motor tensioner 'hat' (only K1 motor)	1
310	01.36.00138	Sperrzahnschraube WN0274 A2C 8.8 - M6x16	Hexagon head serrated screw WN0274 A2C 8.8 - M6x16	4

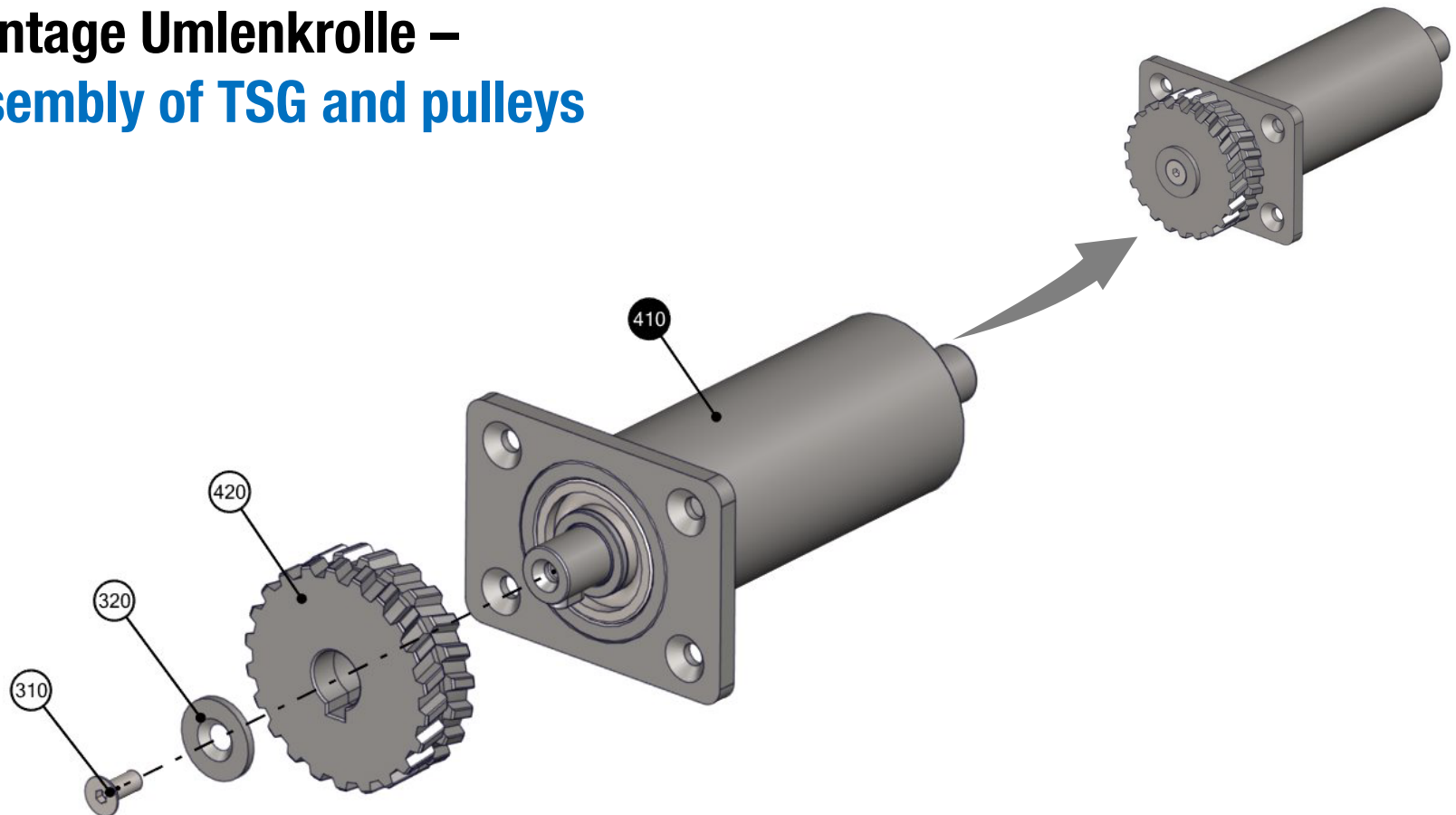


Pos.	Number	Description DE	Description EN	Menge
210	01.20.92116	Grundplatte Motor für Otis HPDO	base plate drive for Otis HPDO	1
310	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	2
320	01.36.00730	Sperrzahnschraube WN0274 A2C 8.8 - M8x30	Hexagon head serrated screw WN0274 A2C 8.8 - M8x30	2

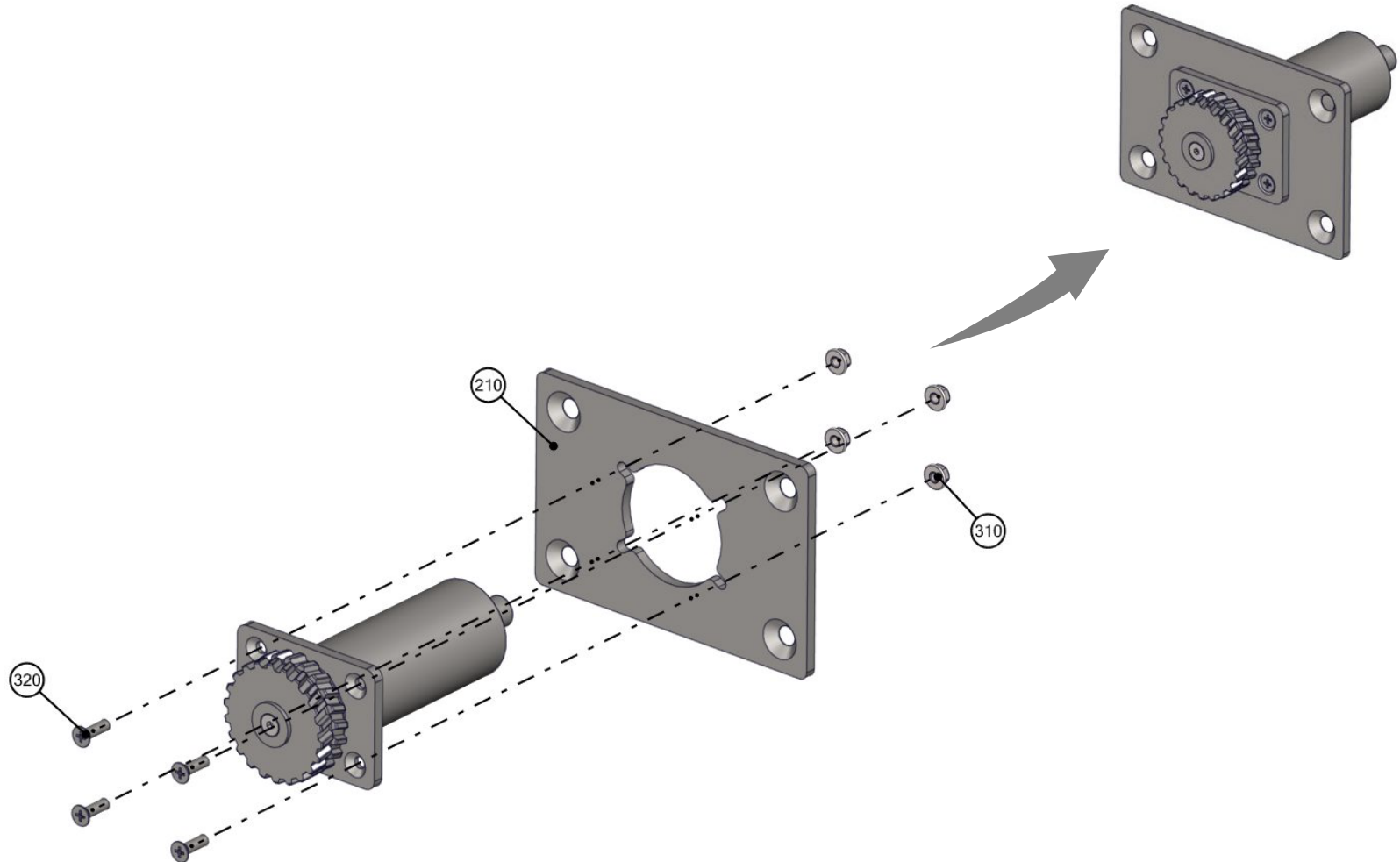


Pos.	Number	Description DE	Description EN	Menge
310	01.36.01055	Bohrschraube Pias vz 5,5x19, Linsenkopf AW20 Torx	self-drilling screw Pias vz 5,5x19, pan head AW20 Torx	4

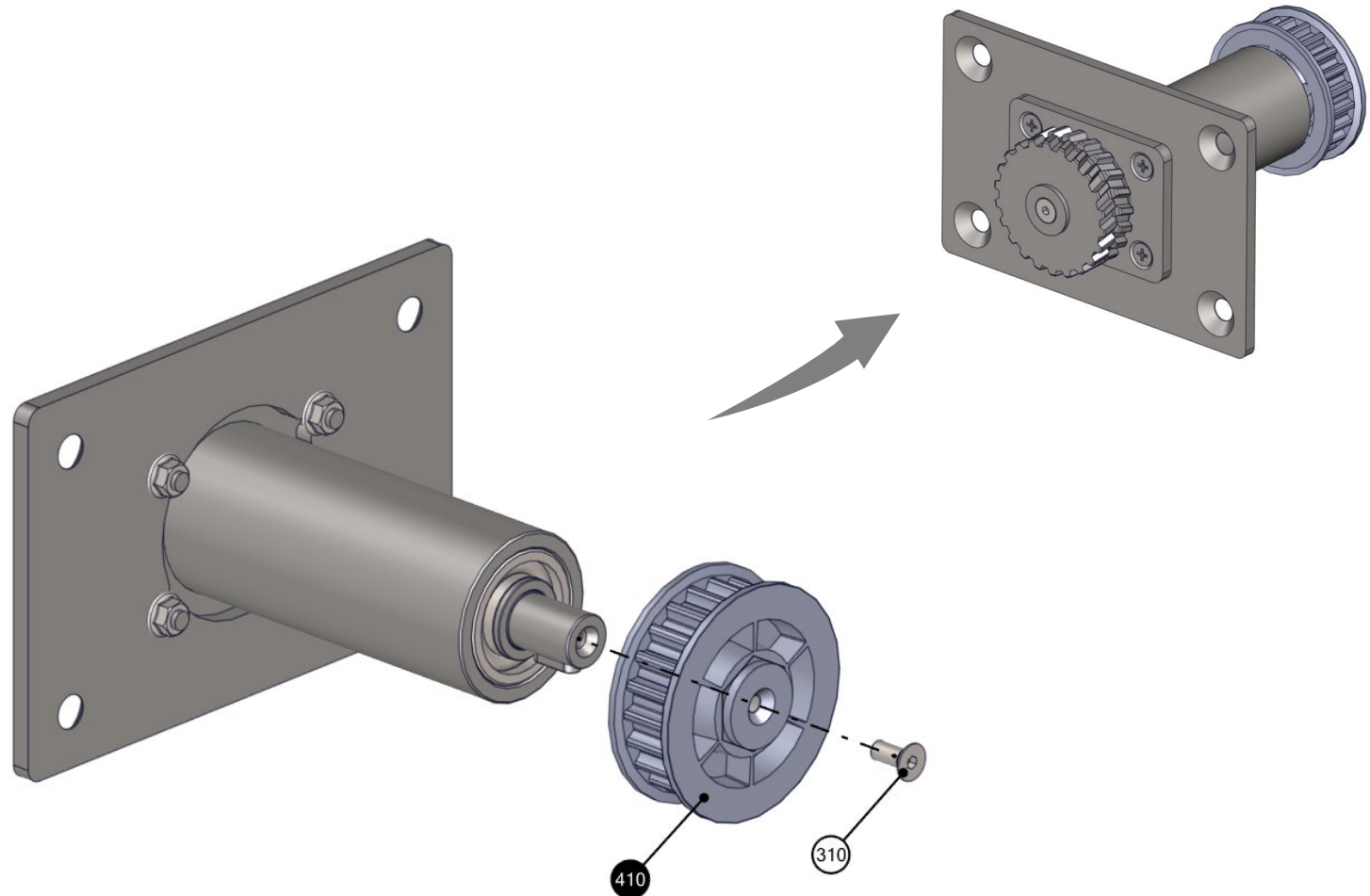
Montage Umlenkrolle – assembly of TSG and pulleys



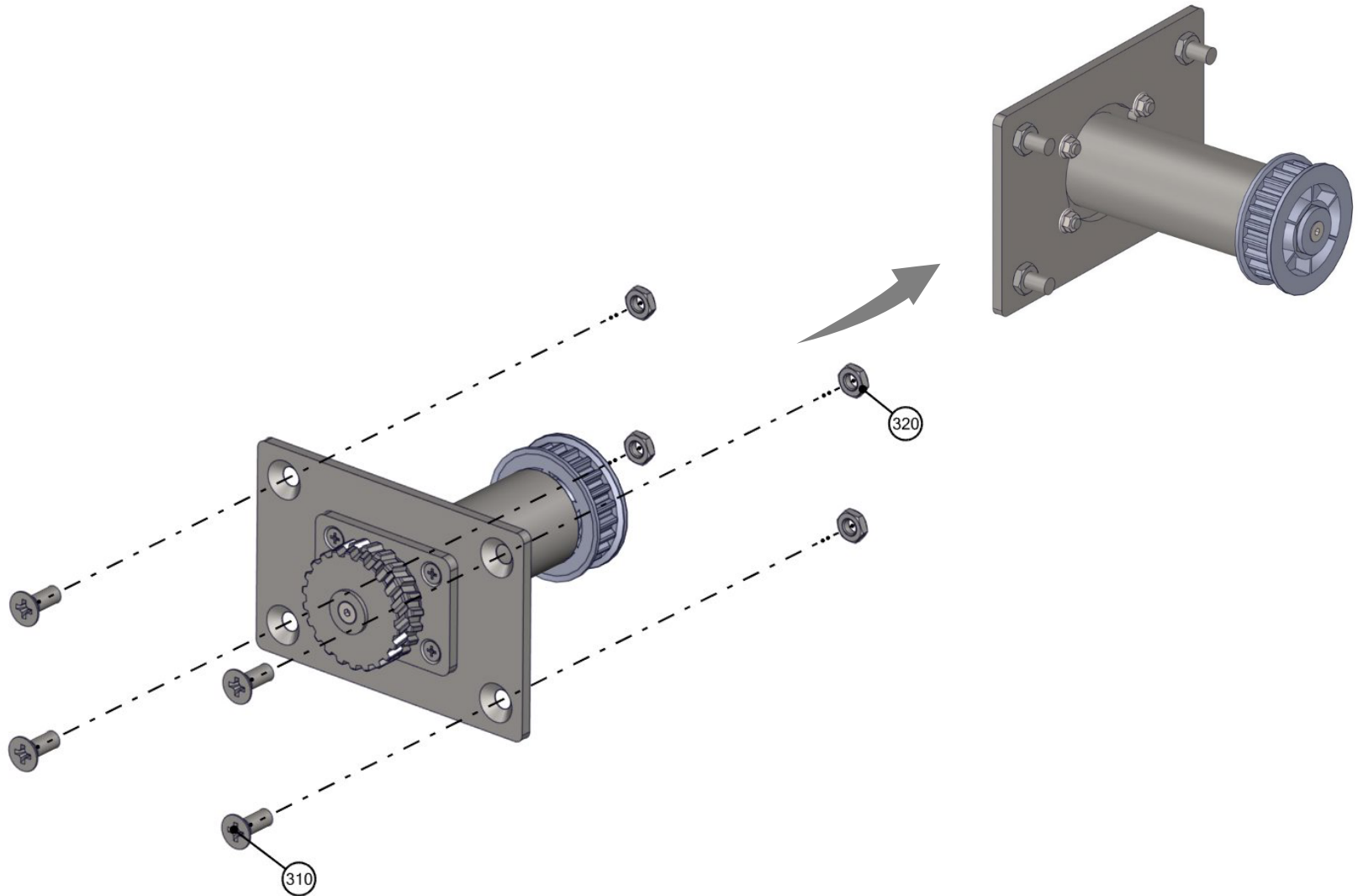
Pos.	Number	Description DE	Description EN	Menge
310	01.36.00593	Senkkopfschraube mit Innensechskant ISO10642 vz 8.8 - M5x12	countersunk screw hexagon socket head ISO10642 vz8.8 - M5x12	1
320	01.20.32010_Scheibe	Antriebsumlenkung_Scheibe	drive distribution_washer	1
410	01.20.32010	Antriebsumlenkung, komplett	drive distribution, complete	1
420	01.20.60620	vorhandenes SilentSync Zahnrad	existing silentsync gear wheel	1



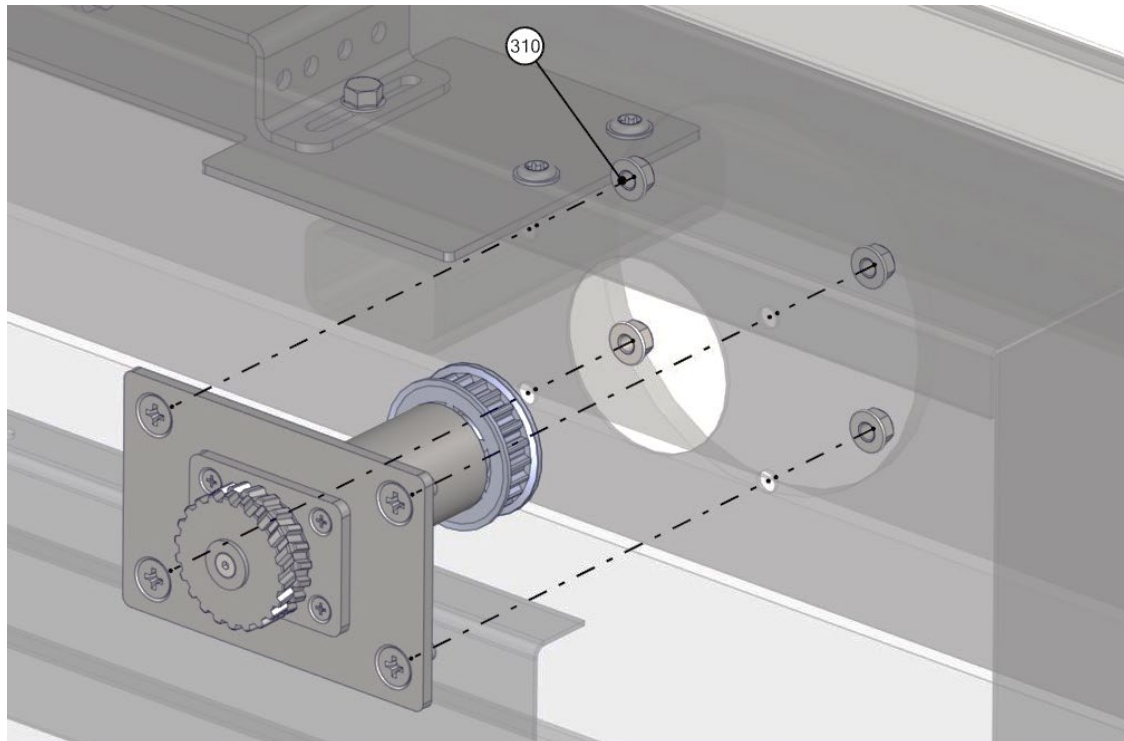
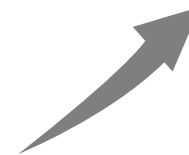
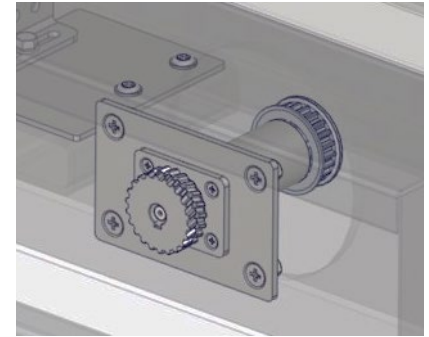
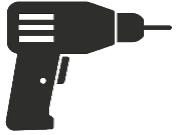
Pos.	Number	Description DE	Description EN	Menge
210	01.20.92115	Adapterplatte für Otis HPDO	adapter plate for Otis HPDO	1
310	01.36.00509	Sperrzahnmutter, ähnlich DIN6923 vz - M5	ribbed nuts, similar to DIN6923 vz - M5	4
320	01.36.00592	Senkschraube DIN 965, M5x16 - 4,8 , vz	countersunk screw w. cross recess DIN965 vz 4.8 - M5x16	4



Pos.	Number	Description DE	Description EN	Menge
310	01.36.00535	Senkkopfschraube mit Innensechskant ISO10642 vz 8.8 - M5x12	countersunk screw hexagon socket head ISO10642 vz8.8 - M5x12	1
410	01.20.60170	TSG400 Motor Antriebsrad, Ø 14H7, 8M, m. beidseitigen Bordscheiben	timing belt pulley, STD8M, d=14H7, D=56[mm], B=15[mm], with	1

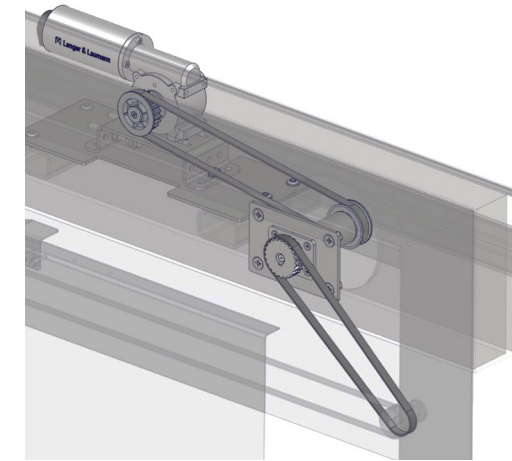
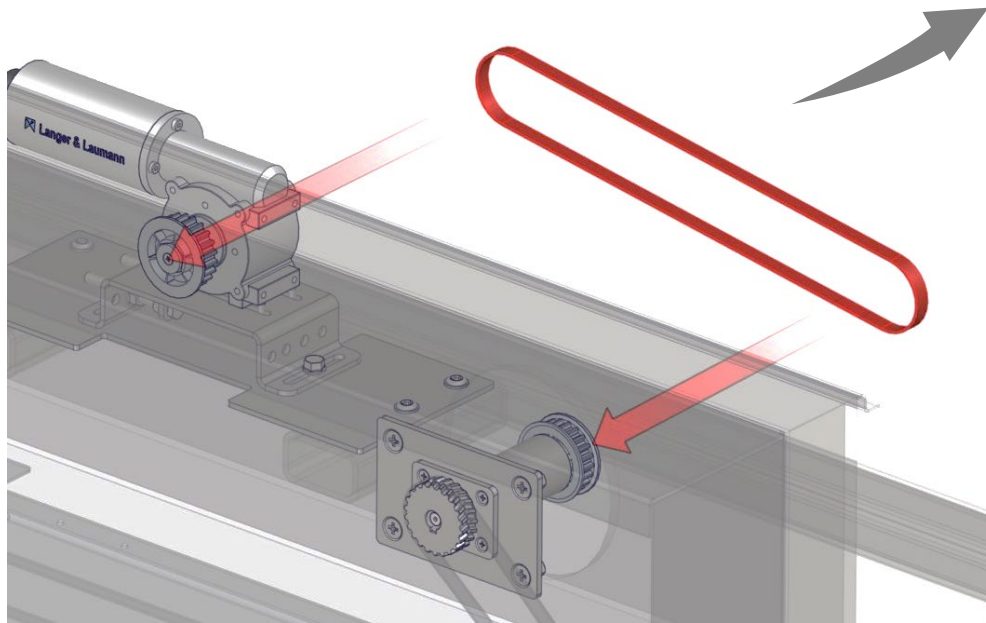


Pos.	Number	Description DE	Description EN	Menge
310	01.36.00380	Senkschraube, DIN 965, M8 x 20 - 8.8, vz	countersunk head screw w.recessed head DIN7991 vz8.8 - M8x20	4
320	01.36.00429	Sechskantmutter ISO 4035 - M8, vz	hexagon nut DIN439 low profile, vz 8.8 - M8	4



Pos.	Number	Description DE	Description EN	Menge
310	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	4

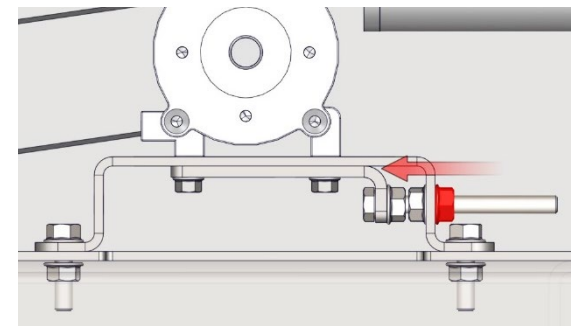
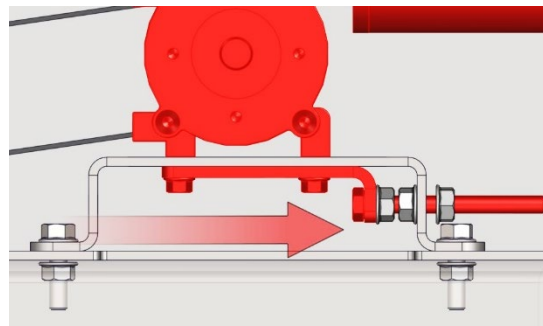
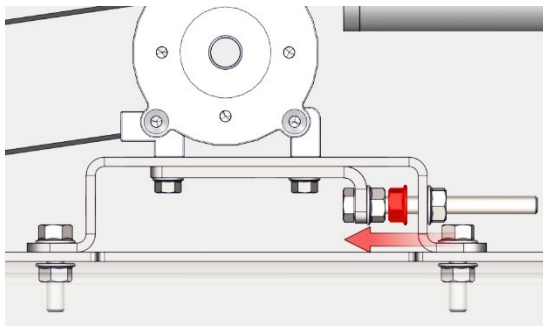
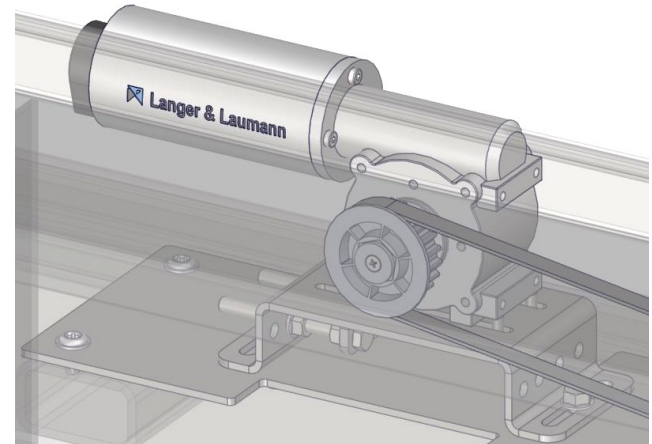
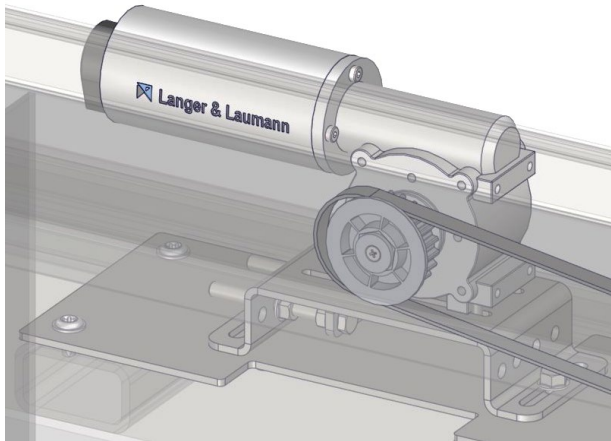
Montage Zahnriemen – assembly of toothed belt

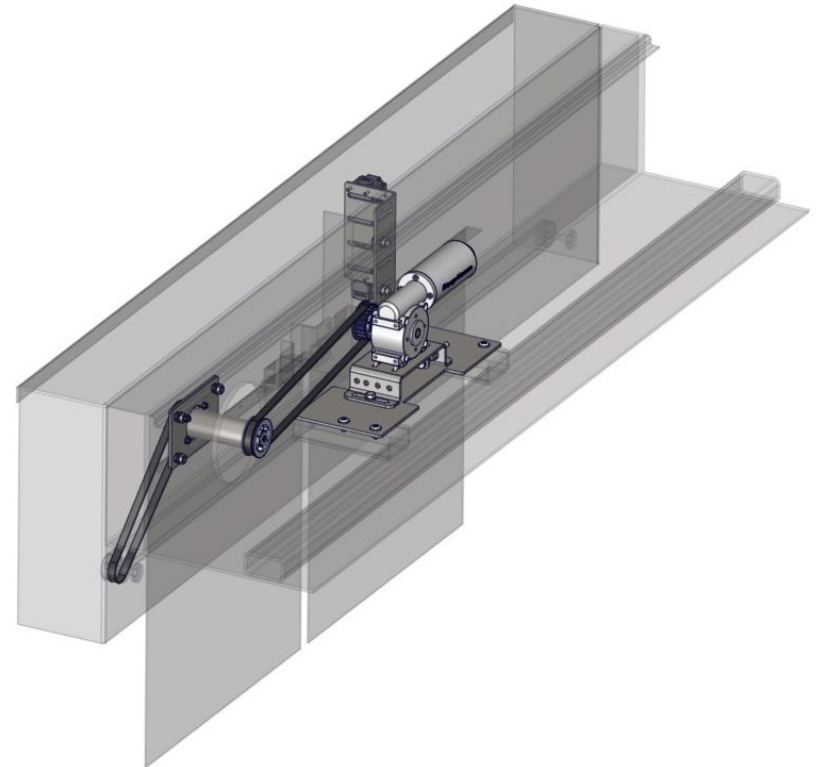
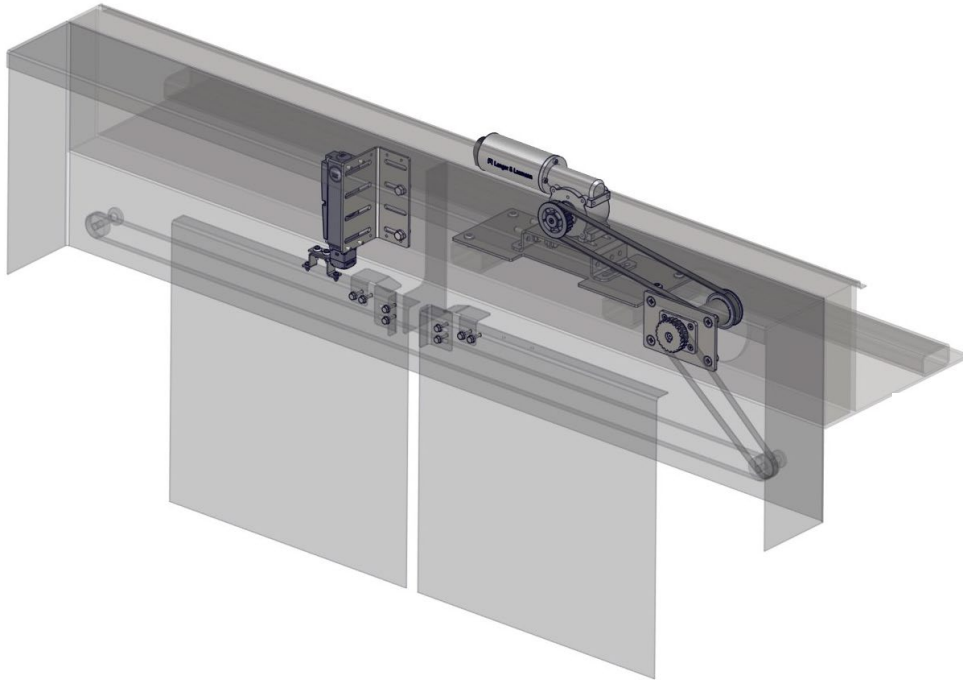


Es werden verschiedene Zahnriemenlängen mitgeliefert. SilentSync Zahnriemen wieder einsetzen –
different length of toothed belt are supplied. Reinstall silentSync toothed belt

Number	Description DE	Description EN	Menge
1.20.61150	Zahnriemen für Sonderantrieb Endlos 760[mm], Breite 12[mm],	belt for special drive endless 760[mm], width 12[mm]	1
1.20.61160	Zahnriemen für Sonderantrieb Endlos 800[mm], Breite 12[mm]	belt for special drive endless 800[mm], width 12[mm]	1
1.20.61175	Zahnriemen für Sonderantrieb Endlos 864[mm], Breite 12[mm]	belt for special drive endless 864[mm], width 12[mm]	1
1.20.61180	Zahnriemen für Sonderantrieb Endlos 920[mm], Breite 12[mm]	belt for special drive endless 920[mm], width 12[mm]	1

Zahnriemen spannen – Tensioning tooth belt







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