

Montageanleitung **Assembly Instruction**

TSG mit optionalem E-Schwert für Selcom 3201 **TSG with optional electric skate for Selcom 3201**

**Montage teleskopierend
links öffnend (TL) -
mounting telescoping
left (TL)**
Seite/page 6-29

**Montage teleskopierend
zentral öffnend (ZT) -
mounting central
telescoping (CT)**
Seite/page 30-35

**Montage teleskopierend
rechts öffnend (TR) -
mounting telescoping
right (TR)**
Seite/page 36-59

Lieferumfang – scope of supply



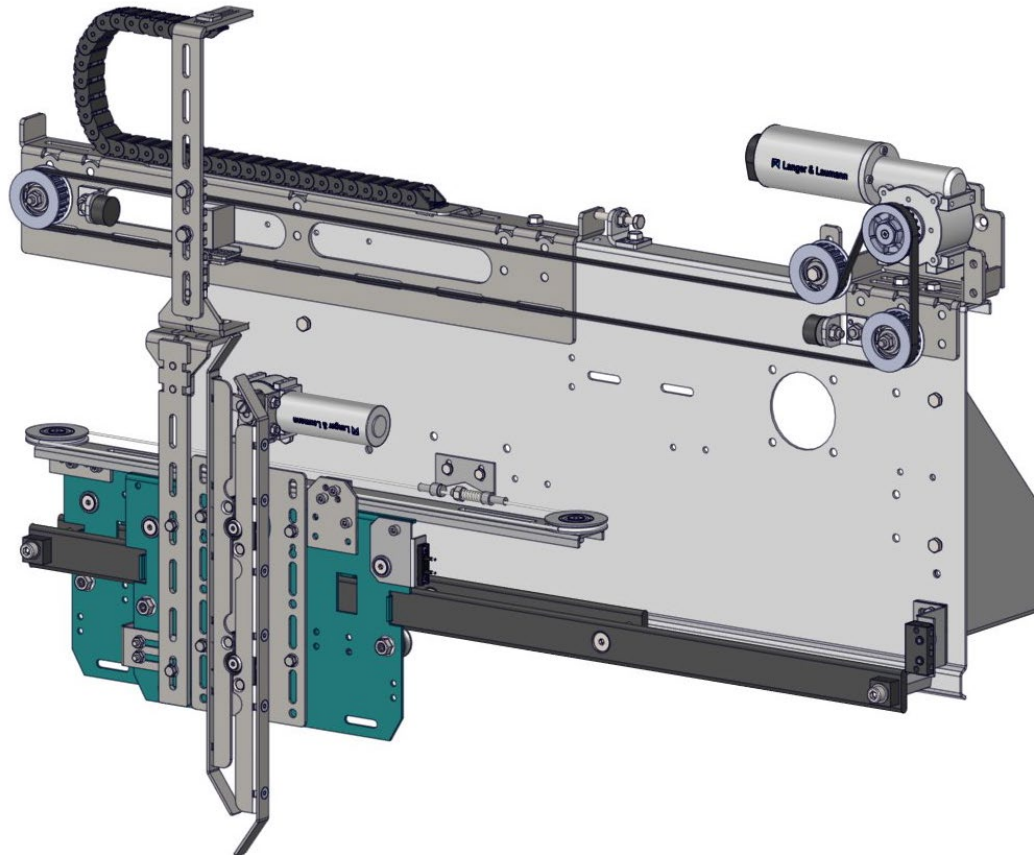
picture	Number	description DE	description EN	quantity TL / TR	quantity ZT / CT
	8.20.00131.04	TSG V4 Lift Door Operator - Electronic extern- 230[VAC]/50- 60[Hz] +	TSG V4 lift door operator - electronic extern- 230[VAC]/50-60	1	1
	8.20.4000x.K1	Motor Gross Rechts/Links Getriebe, 24V/5,1A/1:15	motor large right/left & gearbox, 24V/5,1A/1:15	1	1
	8.20.20090	Elektrisches Schwert für 3201	electric skate for 3201	1	1 oder 2 Abhängig vom Paket
	1.20.60706	Gegenrollenhalter Zahnriemen versetzt	Counter roll holder offset timing belt	1	1
	8.20.60002.xx	TSG Zahnriemen	TSG toothed belt	4m	6m
	1.20.60705	Motorhalter Zahnriemen versetzt	holder drive offset timing belt	1	1
	1.20.60004	TSG Türflügelmitnehmer	TSG door panel coupler	1	2
	1.20.60003	TSG Umlenkrad	TSG counter roller	3	3

picture	Number	description DE	description EN	quantity TL / TR	quantity ZT / CT
	1.20.60075	rechtwinkliges Verbindungsblech TSG Mitnehmer	right-angled connecting plate TSG driver	1	2
	1.20.59070	Halterung Puffer für M3TK	rectangular stop for M3TK	3	5
	1.20.91120	Gummipuffer D30x15, Gewindebolzen M8x20, 75 Shore	rubber-metal bump stop D30x15, threaded stud M8x20, 75 Shore	2	4
	1.20.20087	Schleppketten Träger für Elektrisches Schwert ADX	drag chains carrier for electric skate ADX	1	1
	1.20.60007	TSG Zahnriemenschloß, Stahl, spiegelbildlich	TSG toothed belt lock, steel, mirror image	1	2
	1.20.30984	TSG Türflügelmitnehmer Verlängerung für Energiekette	TSG door leaf carrier extension for energy chain	1	1
	1.20.60020	TSG Anschlag für Türflügelmitnehmer	TSG stopper for door coupler	1	2
	1.20.92020	TSG Türflügelmitnehmer, rechtwinklig, mit Langlöcher	TSG door panel coupler, rectangular, with oblong holes	1	2
	1.20.30985	Gewindeplatte Energiekette	threaded plate cable carrier	2	2

picture	Number	description DE	description EN	quantity TL / TR	quantity ZT / CT
	1.25.17050	Energiekette , L=60 Glieder=1200mm	energy chain, l=60 links=1200mm	1	1
	1.36.00138	Sperrzahnschraube WN0274 A2C 8.8 - M6x16	hexagon head serrated screw WN0274 A2C 8.8 - M6x16	6	12
	1.36.02115	Sechskantschraube ISO4017 vz 8.8 - M8x16	hexagonal bolt ISO4017 vz 8.8 - M8x16	2	4
	1.36.00169	Federring DIN127 vz - M8	lock washer DIN127 vz - M8	5	9
	1.36.00440	Scheibe DIN125A vz - 8,4	washer DIN125A vz - 8,4	4	8
	1.36.00502	Sperrzahnmutter, ähnlich DIN6923 vz - M6	ribbed nuts, similar to DIN6923 vz - M6	6	12
	1.36.00115	Sechskantschraube Vollgewinde DIN933 vz 8.8 - M8x40	hexagonal bolt, thread up to head DIN933 vz 8.8 - M8x40	1	1
	1.36.00387	Senkkopfschraube mit Innensechskant DIN7991 vz 8.8 - M8x40	countersunk head screw w.recessed head DIN7991 vz8.8 - M8x40	2	2
	1.36.00501	Sperrzahnmutter, ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	14	14

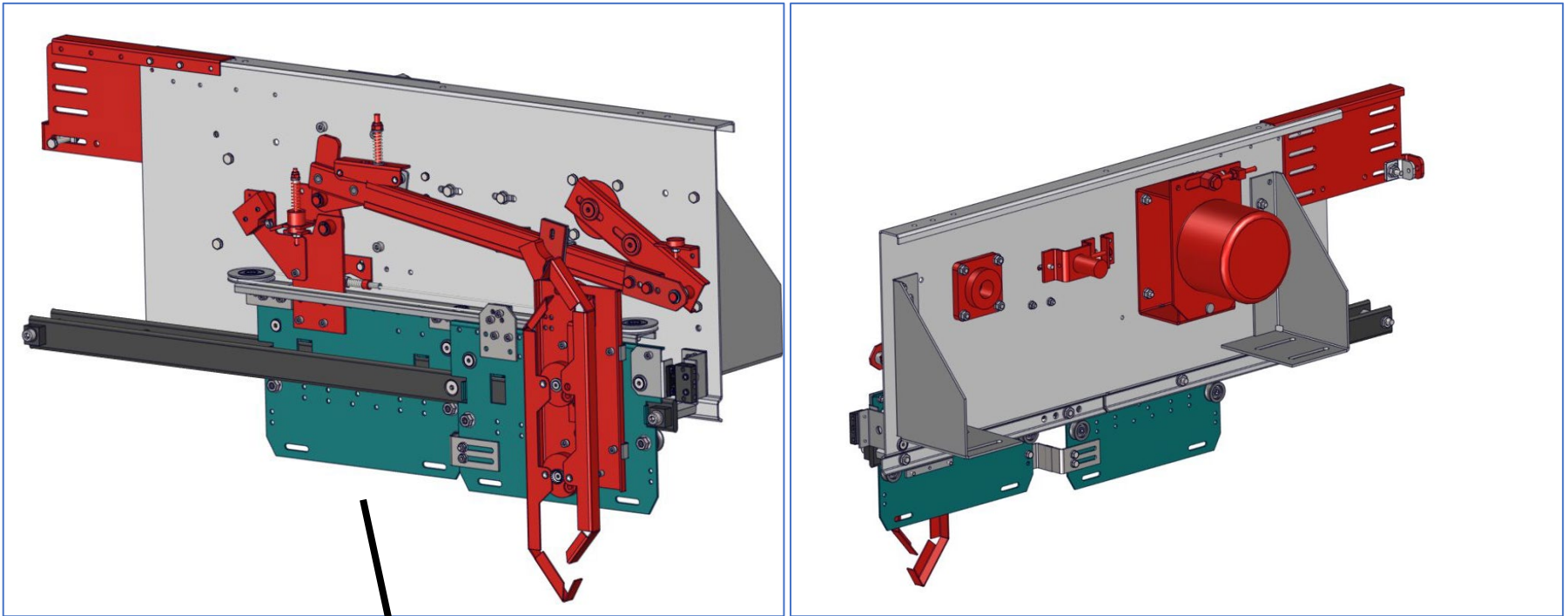
picture	Number	description DE	description EN	quantity TL / TR	quantity ZT / CT
	1.36.00450	Kotflügelscheibe DIN522 vz - 8,4x20x1,25	wing repair washer DIN522 vz - 8,4x20x1,25	3	3
	1.36.00380	Senkkopfschraube mit Innensechskant DIN7991 vz 8.8 - M8x20	countersunk head screw w.recessed head DIN7991 vz8.8 - M8x20	2	2
	1.36.00720	Sperrzahnschraube WN0274 A2C 8.8 - M8x20	hexagon head serrated screw WN0274 A2C 8.8 - M8x20	6	6
	1.36.00135	Sperrzahnschraube WN0274 A2C 8.8 - M6x12	hexagon head serrated screw WN0274 A2C 8.8 - M6x12	5	5
	1.36.02120	Sechskantschraube Vollgewinde DIN933 vz 8.8 - M8x50	hexagonal bolt, thread up to head DIN933 vz 8.8 - M8x50	1	1
	1.36.00520	Flachrundschrube Vierkantansatz mit Mutter DIN603 vz 4.8 – M8x25	round head screw w. square neck and nut DIN603 vz4.8 - M8x25	2	4
	1.36.00710	Sperrzahnschraube WN0274 A2C 8.8 - M8x16	hexagon head serrated screw WN0274 A2C 8.8 - M8x16	3	6
	1.36.00430	Sechskantmutter DIN934- 8 vz 8.8 - M8	hexagon nut DIN934-8 vz 8.8 - M8	2	4
	1.36.00020	Linsenschraube DIN7985 vz 4.8 - M3x12	pan head screw DIN7985 vz 4.8 - M3x12	4	4

TSG mit optionalem E-Schwert für Selcom 3201 – TSG with an optional electric skate for Selcom 3201



TL

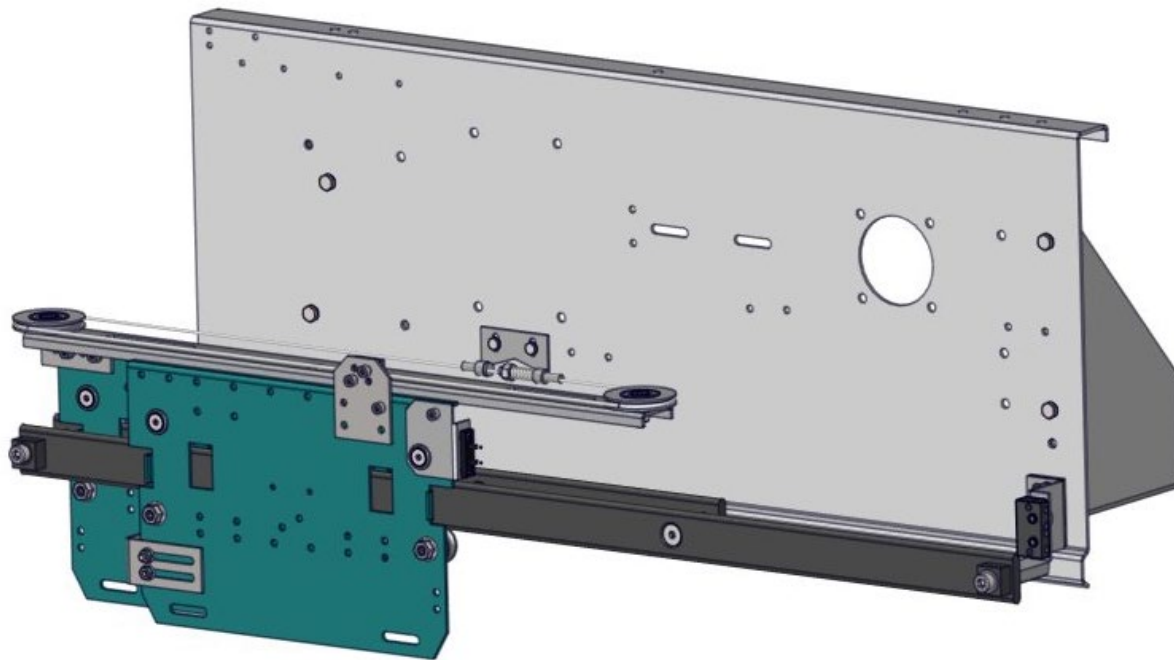
Vor Umbau entfernen – remove before conversion



**Demontage Schwert bei Option E-Schwert –
disassembly skate with option electric skate**

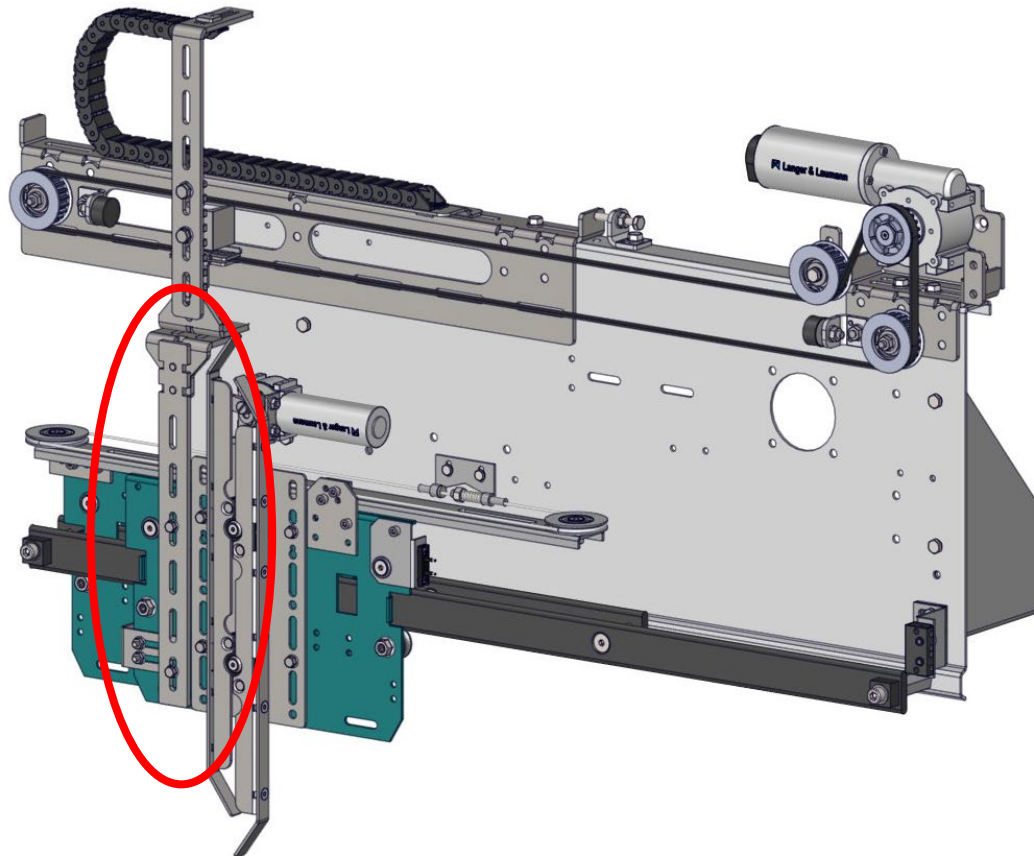
TL

Nach Demontage – after disassembly

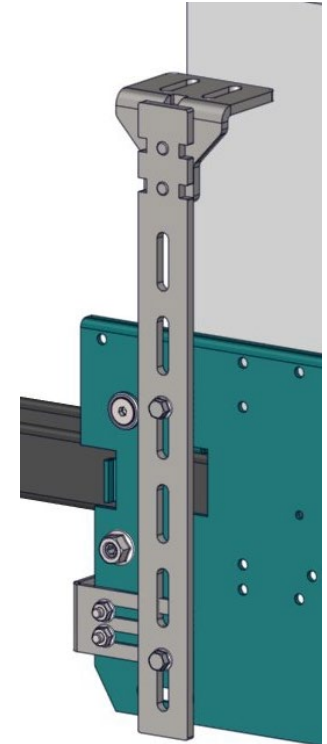
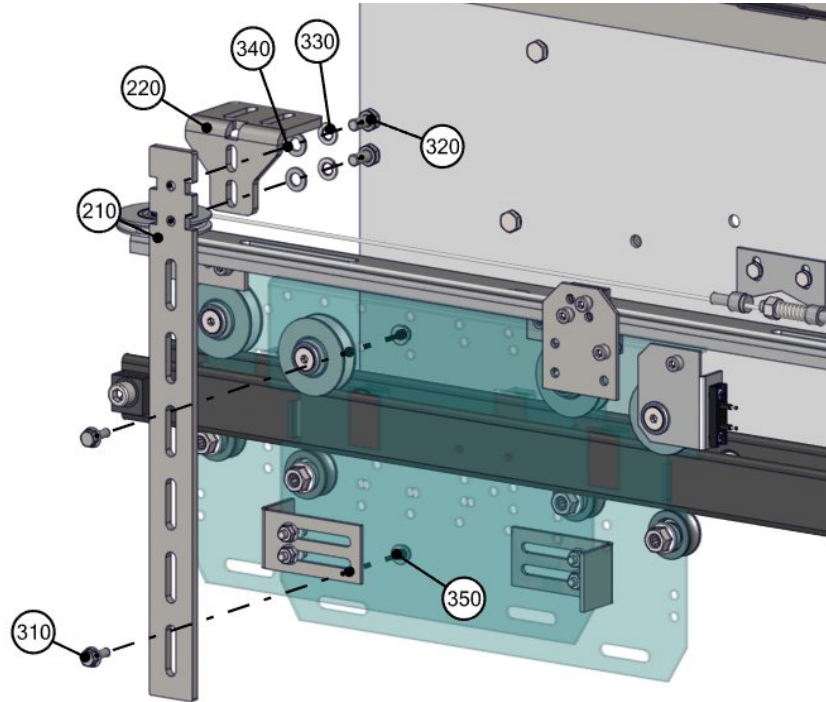
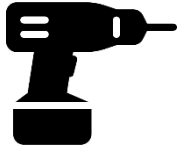


TL

Montage TSG Türflügelmitnehmer – assembly the TSG door panel coupler



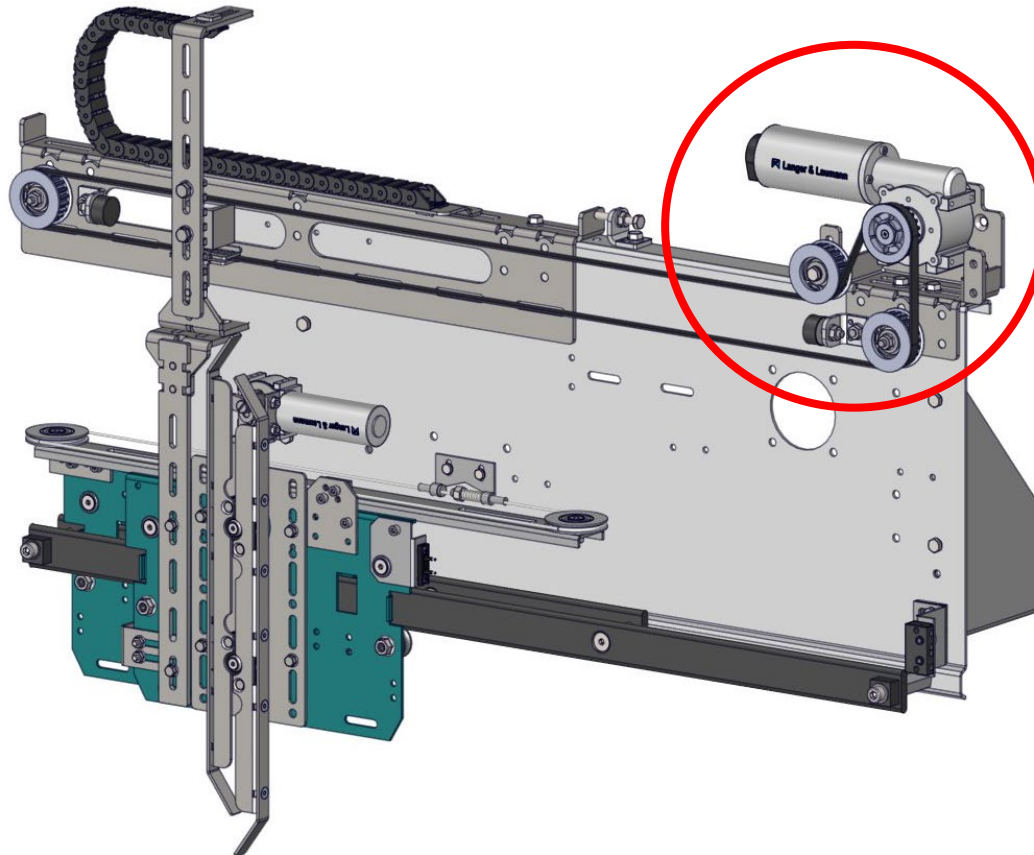
TL



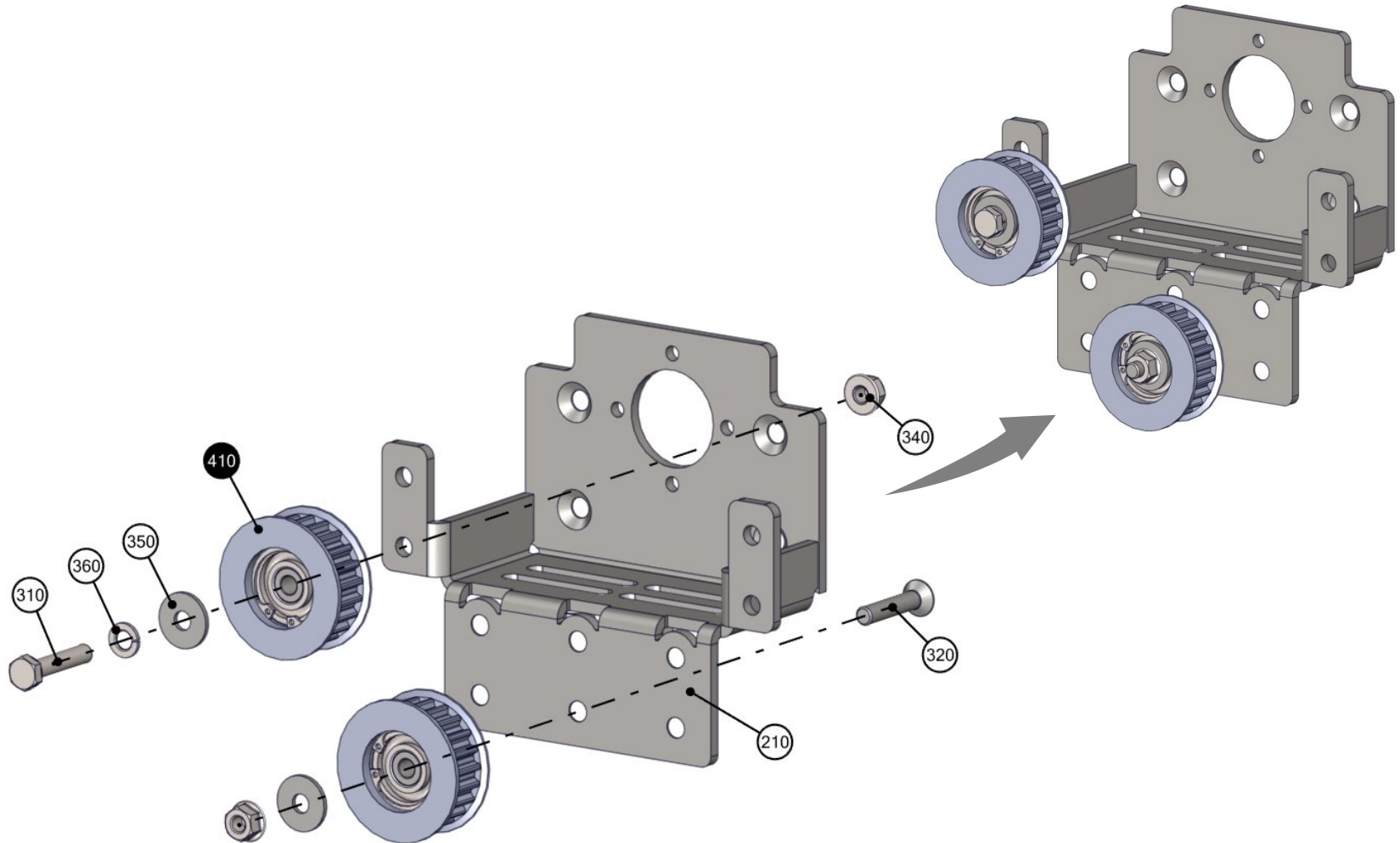
Pos.	Number	Description DE	Description EN	Menge
210	01.20.60004	Türflügelmitnehmer 375x35x6	TSG door panel coupler 375x35x6	1
220	01.20.60075	rechtwinkliges Verbindungsblech TSG Mitnehmer, mit Langlöcher	right-angled connecting plate TSG driver	1
310	01.36.00138	Sperrzahnschraube WN0274 A2C 8.8 - M6x16	hexagon head serrated screw WN0274 A2C 8.8 - M6x16	2
320	01.36.02115	Sechskantschraube ISO 4017 - M8x16 - 8.8	hexagonal bolt ISO4017 vz 8.8 - M8x16	2
330	01.36.00169	Federring DIN127 vz - M8	lock washer DIN127 vz - M8	2
340	01.36.00440	Scheibe ISO 7091-M8 (Ø9)-100HV (DIN126),vz	washer DIN125A vz - 8,4	2
350	01.36.00502	Sperrzahnmutter M6	ribbed nuts, similar to DIN6923 vz - M6	2

TL

Montage Motor – assembly of the motor

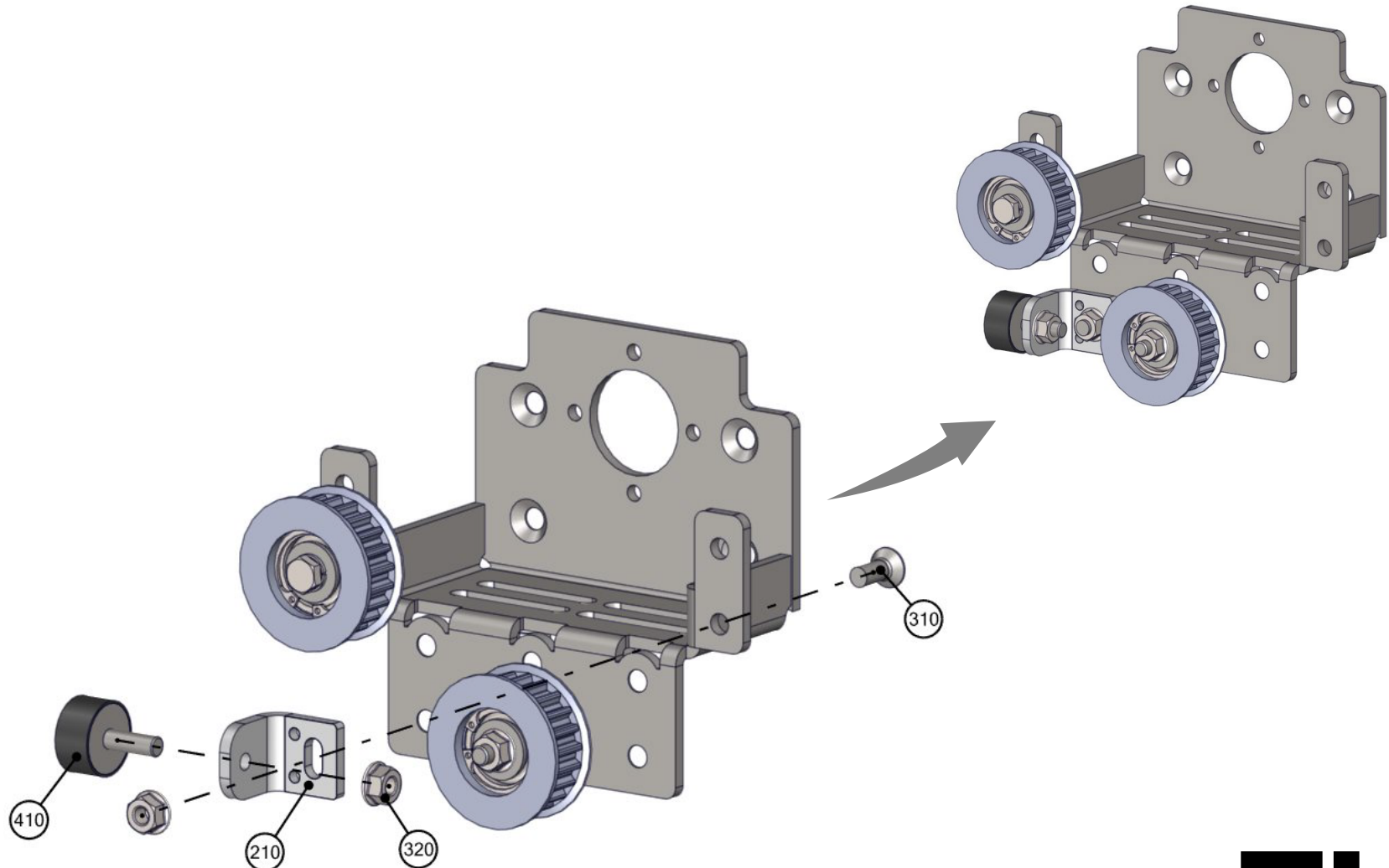


TL



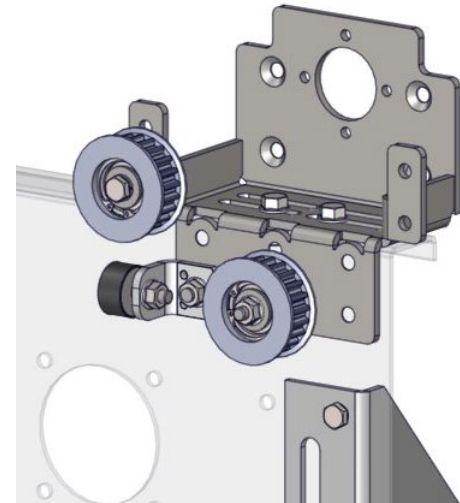
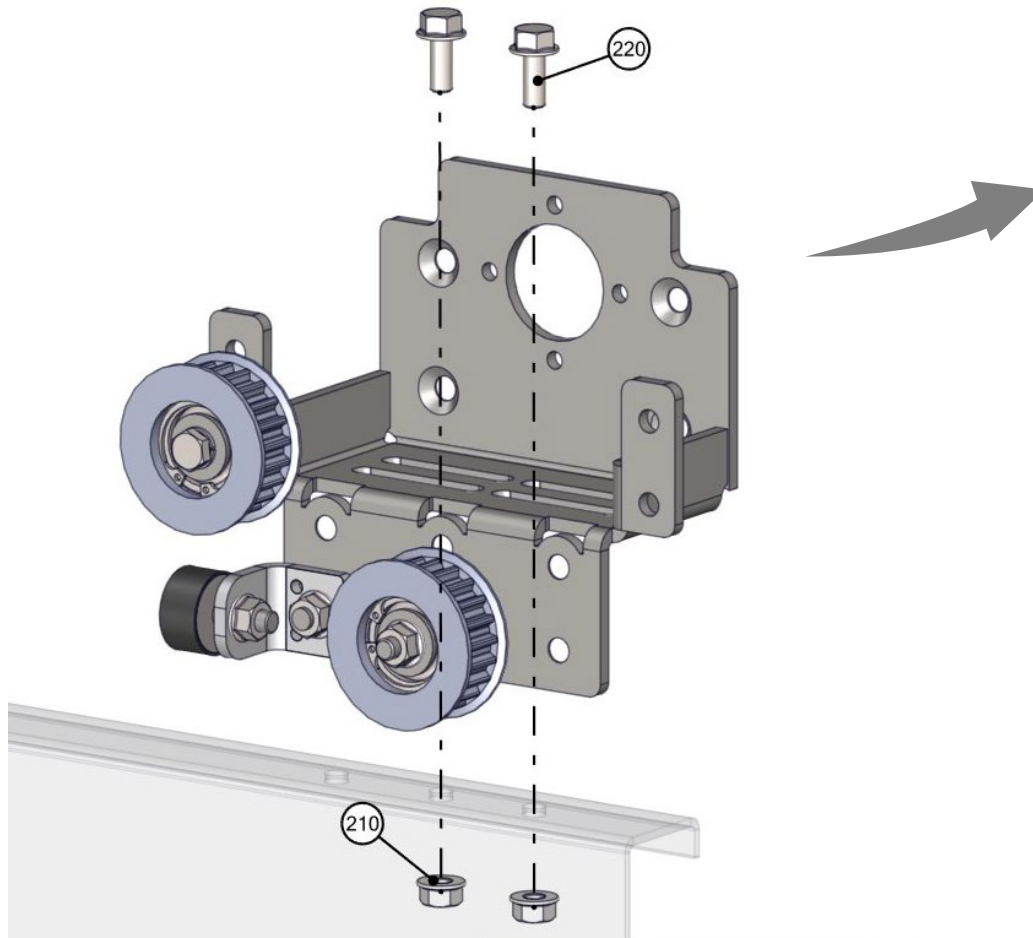
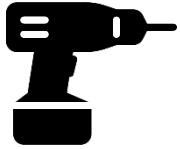
Pos.	Number	Description DE	Description EN	Menge
210	01.20.60705	Motorhalter Zahnriemen versetzt	holder drive offset timing belt	1
310	01.36.00115	Sechskantschraube Vollgewinde DIN933 vz 8.8 - M8x40	hexagonal bolt, thread up to head DIN933 vz 8.8 - M8x40	1
320	01.36.00387	Senkschraube m.Innensechskant ISO10642-M8x40	countersunk head screw w.recessed head DIN7991 vz8.8 - M8x40	1
340	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	2
350	01.36.00450	Kotflügelscheibe DIN522 vz - 8,4x20x1,25	wing repair washer DIN522 vz - 8,4x20x1,25	2
360	01.36.00169	Federring DIN127 vz - M8	lock washer DIN127 vz - M8	1
410	01.20.60003	Tüte Umlenkrad	TSG counter roller	1

TL



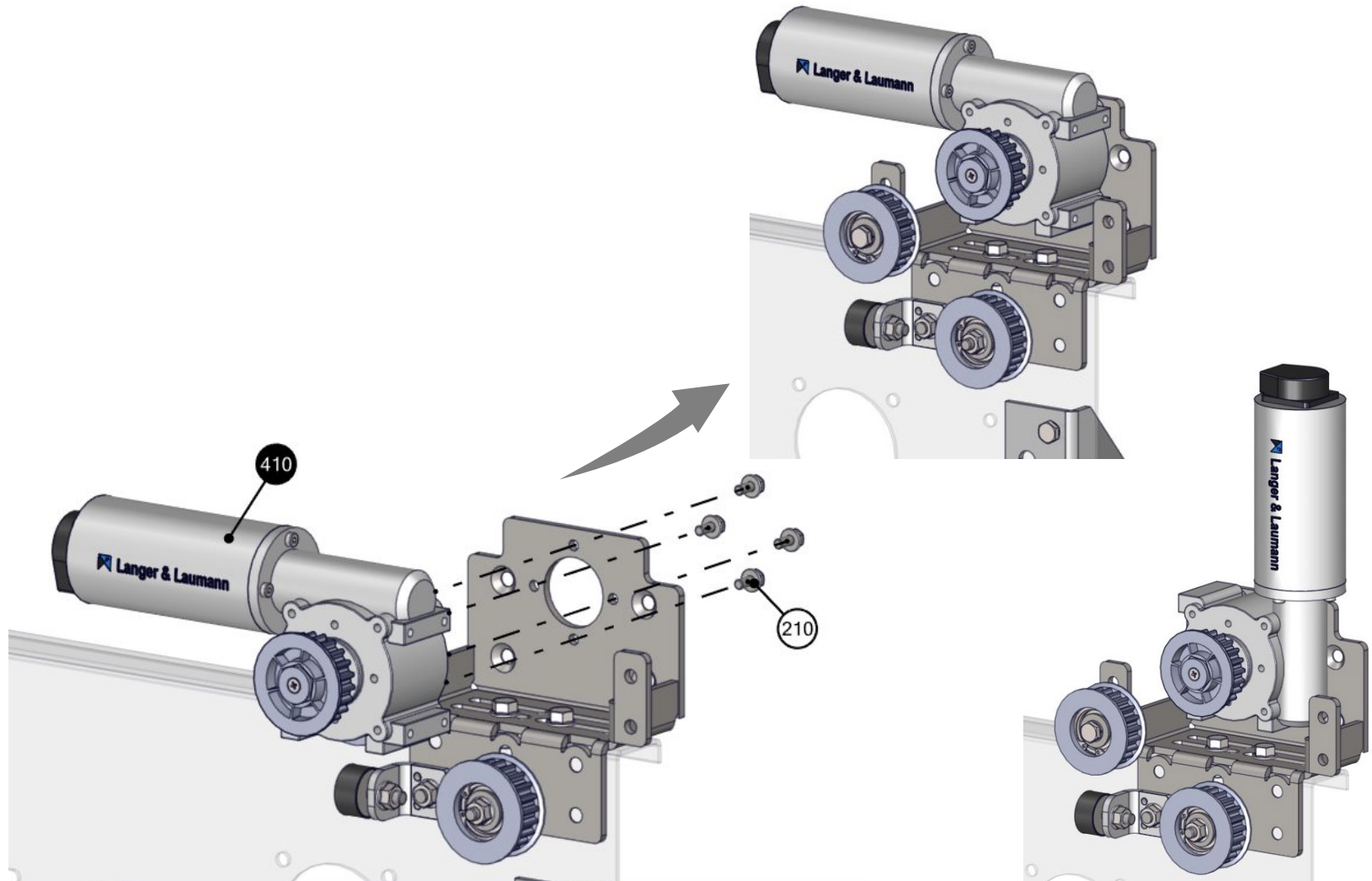
Pos.	Number	Description DE	Description EN	Menge
210	01.20.59070	Halterung Puffer für M3TK	rectangular stop for M3TK	1
310	01.36.00380	Senkschraube, DIN 965, M8 x 20 - 8.8, vz	countersunk head screw w.recessed head DIN7991 vz8.8 - M8x20	1
320	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated 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

TL



Pos.	Number	Description DE	Description EN	Menge
210	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	2
220	01.36.00720	Sperrzahnschraube WN0274 A2C 8.8 - M8x20	Hexagon head serrated screw WN0274 A2C 8.8 - M8x20	2

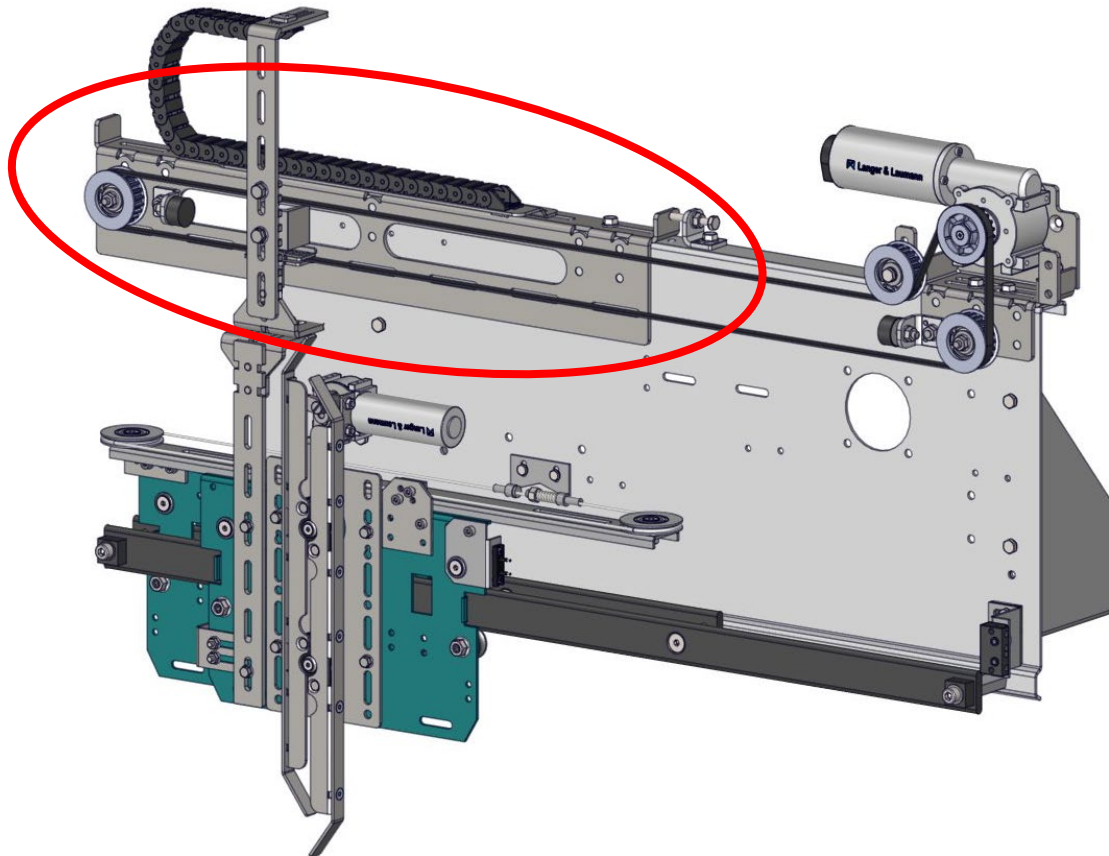
TL



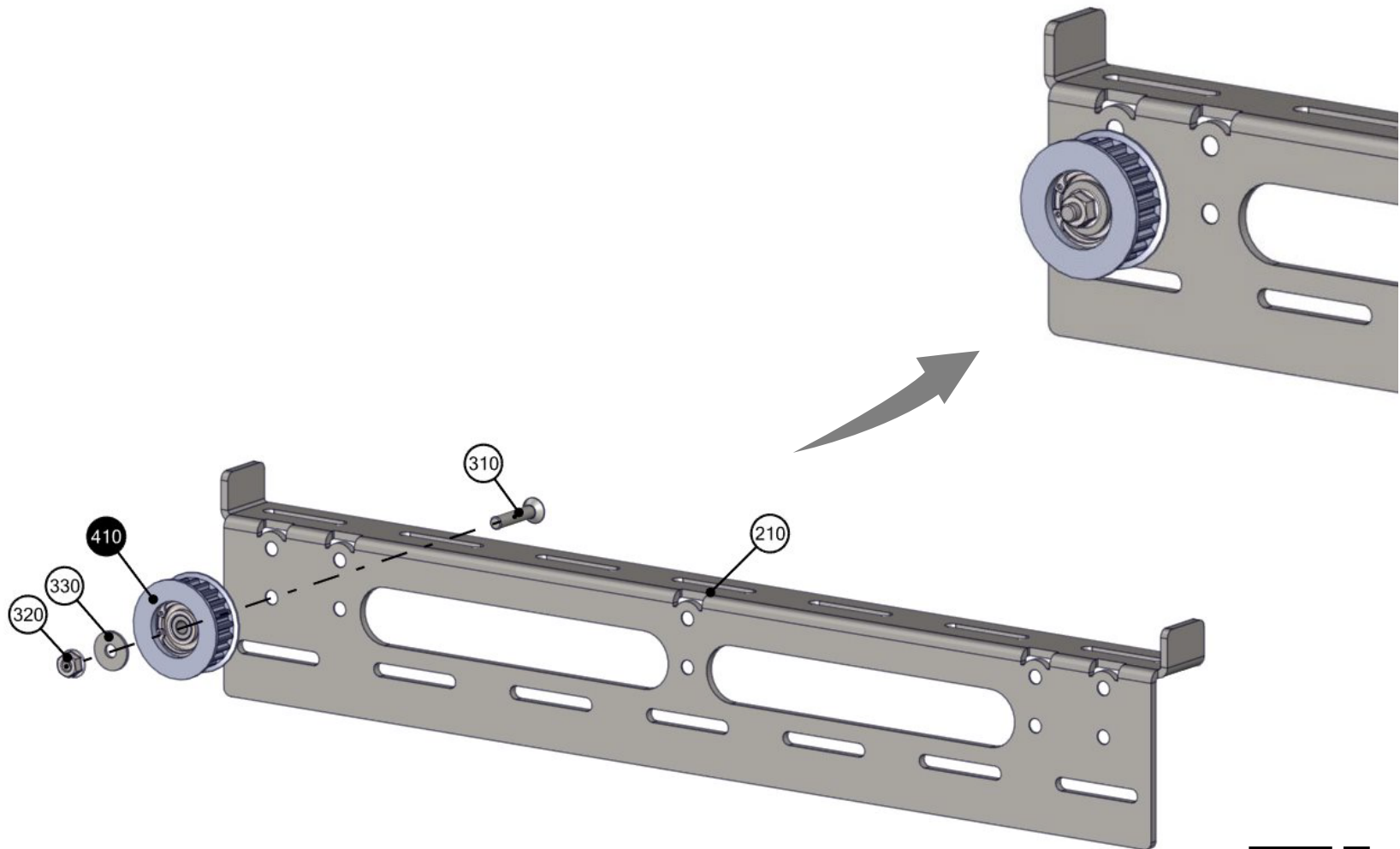
**Alternative Einbauposition –
alternative mounting position**

Pos.	Number	Description DE	Description EN	Menge
210	01.36.00135	Sperrzahnschraube DIN 6921 M6x12 verz.	hexagon head serrated screw WN0274 A2C 8.8 - M6x12	4
410	08.20.40000.K1	Motor Gross Links & Getriebe, 24V/5,1A/1:15	motor large left & gearbox, 24V/5,1A/1:15	1

Montage Umlenkrollen – assembly of the pulley

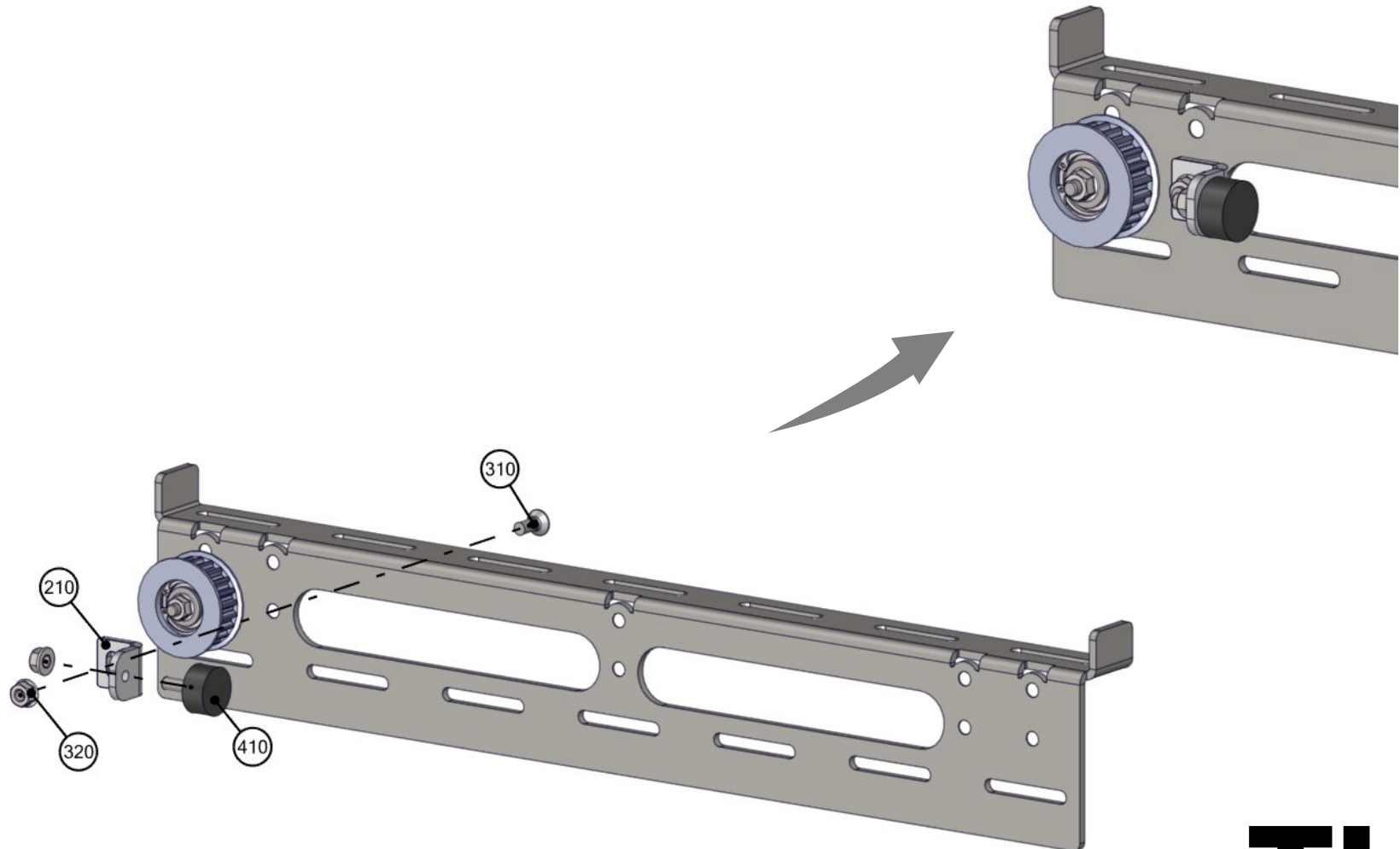


TL



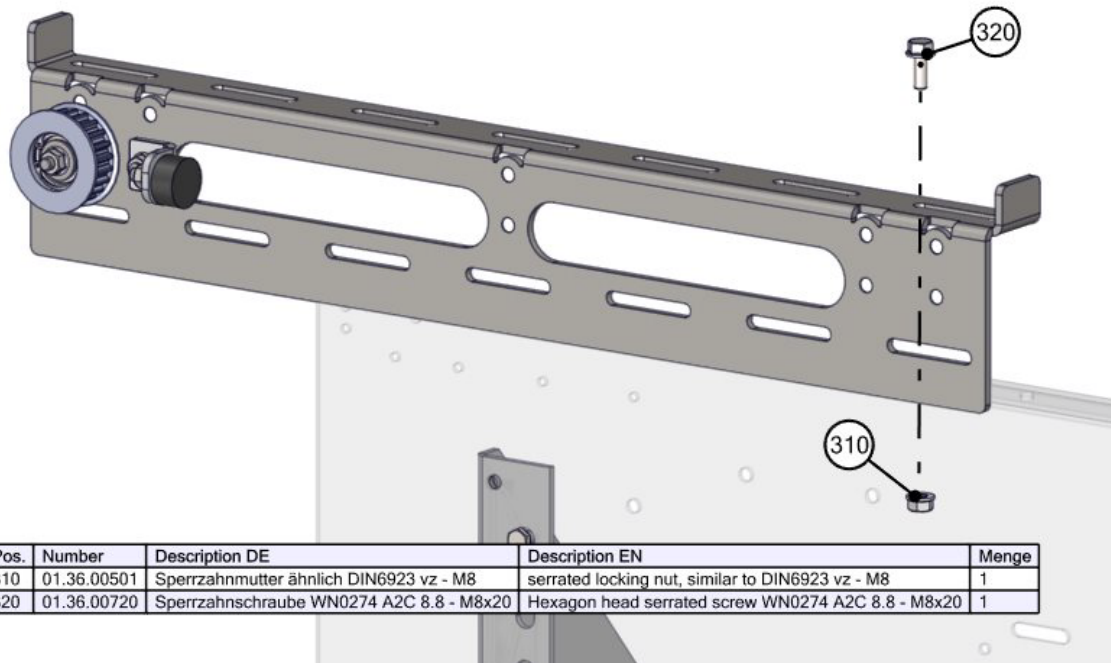
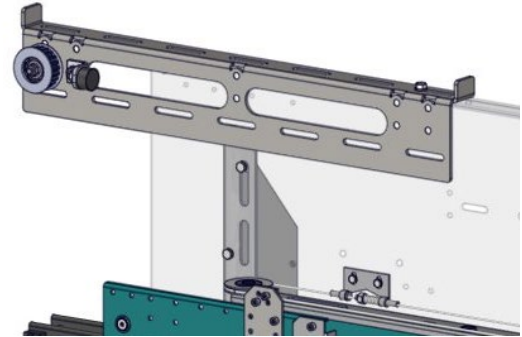
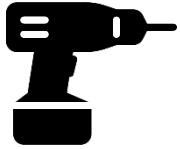
Pos.	Number	Description DE	Description EN	Menge
210	01.20.60706	Gegenrollenhalter Zahnriemen versetzt	counter roll holder offset timing belt	1
310	01.36.00387	Senkschraube m.Innensechskant ISO10642-M8x40	countersunk head screw w.recessed head DIN7991 vz8.8 - M8x40	1
320	01.36.00501	Sperrzahnmutter ähnlich 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
410	01.20.60003	Tüte Umlenkrad	TSG counter roller	1

TL



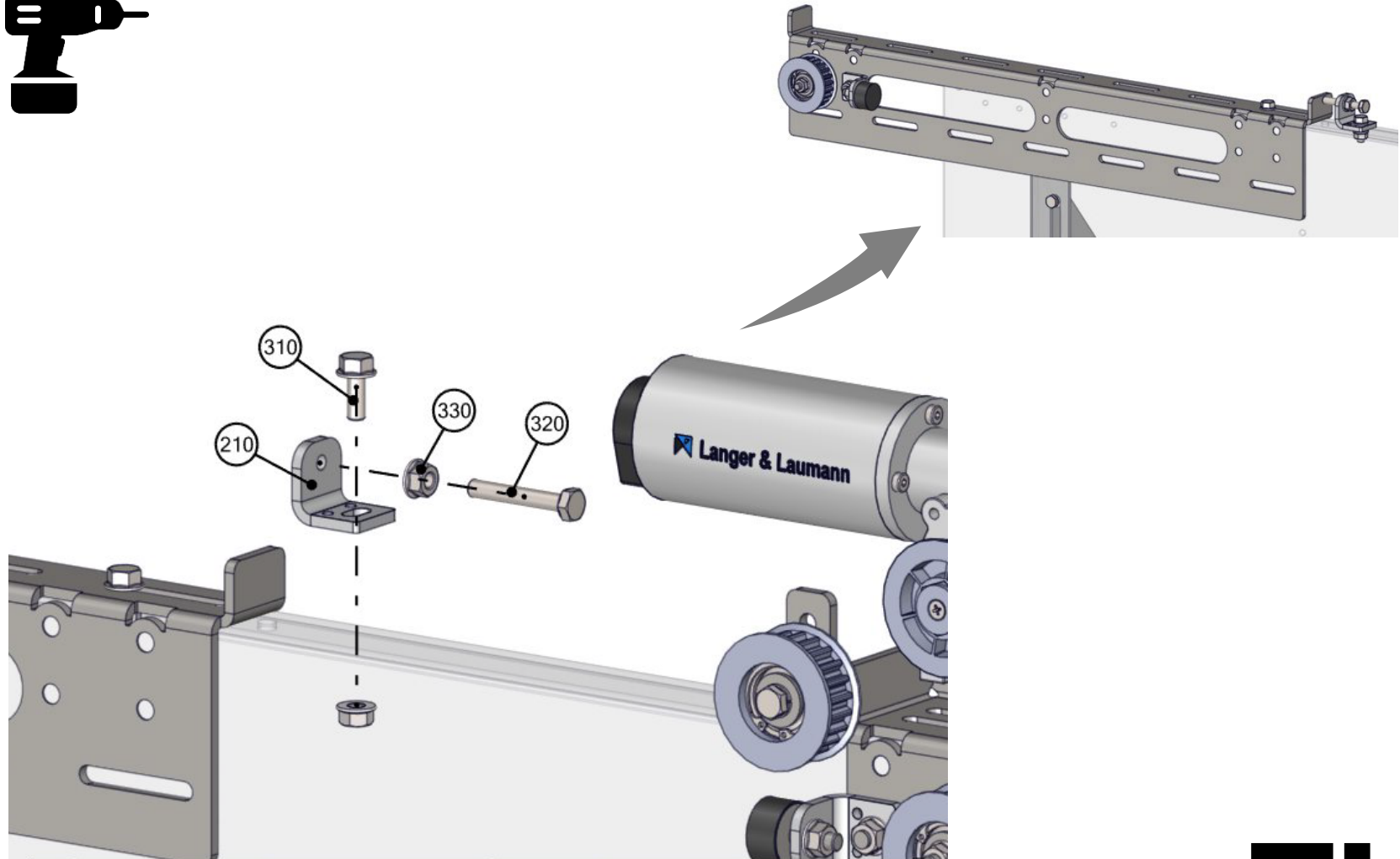
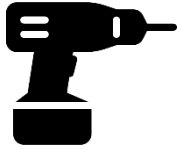
Pos.	Number	Description DE	Description EN	Menge
210	01.20.59070	Halterung Puffer für M3TK	rectangular stop for M3TK	1
310	01.36.00380	Senkschraube, DIN 965, M8 x 20 - 8.8, vz	countersunk head screw w.recessed head DIN7991 vz8.8 - M8x20	1
320	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated 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

TL



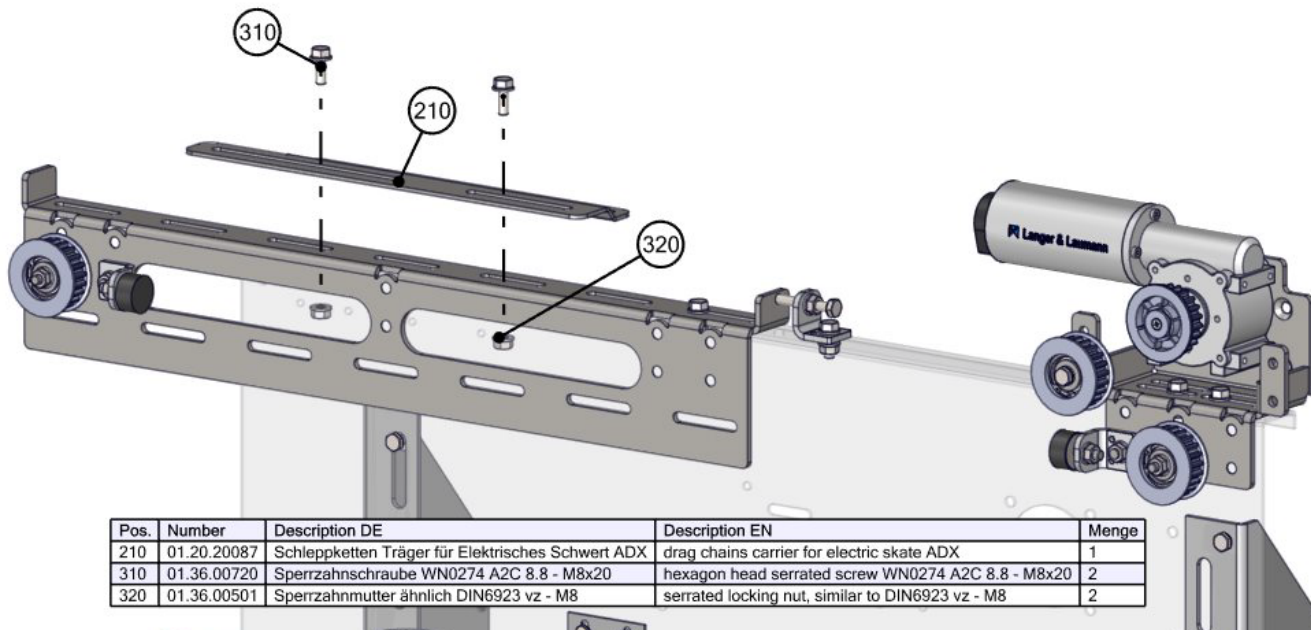
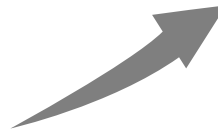
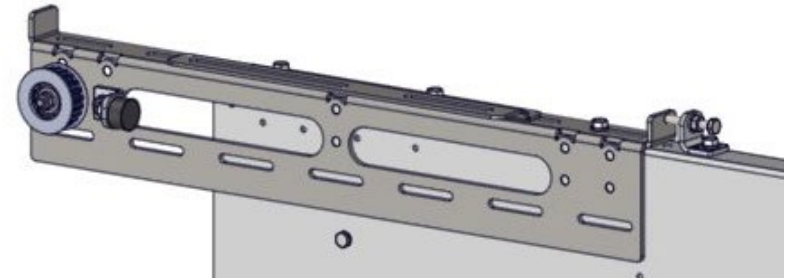
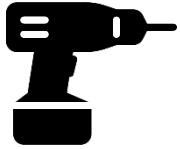
Pos.	Number	Description DE	Description EN	Menge
310	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	1
320	01.36.00720	Sperrzahnschraube WN0274 A2C 8.8 - M8x20	Hexagon head serrated screw WN0274 A2C 8.8 - M8x20	1

TL



Pos.	Number	Description DE	Description EN	Menge
210	01.20.59070	Halterung 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	01.36.02120	Sechskantschraube ISO 4017- M8x50-8.8, vz	Hexagonal bolt, thread up to head DIN933 vz 8.8 - M8x50	1
330	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	2

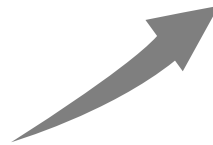
TL



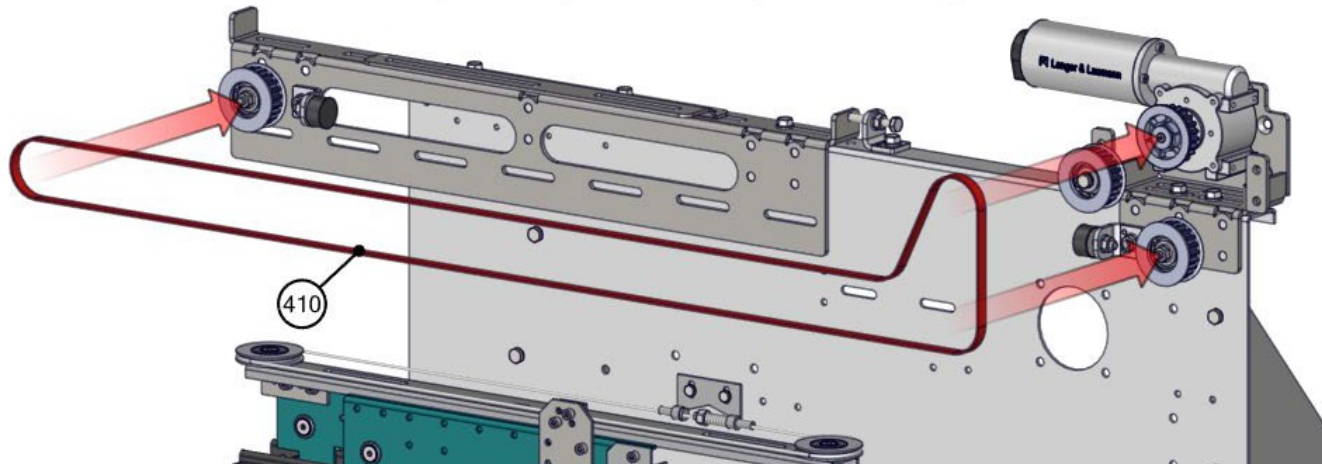
Pos.	Number	Description DE	Description EN	Menge
210	01.20.20087	Schleppketten Träger für Elektrisches Schwert ADX	drag chains carrier for electric skate ADX	1
310	01.36.00720	Sperrzahnschraube WN0274 A2C 8.8 - M8x20	hexagon head serrated screw WN0274 A2C 8.8 - M8x20	2
320	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	2

TL

Montage Zahnriemen – assembly of the tooth belt

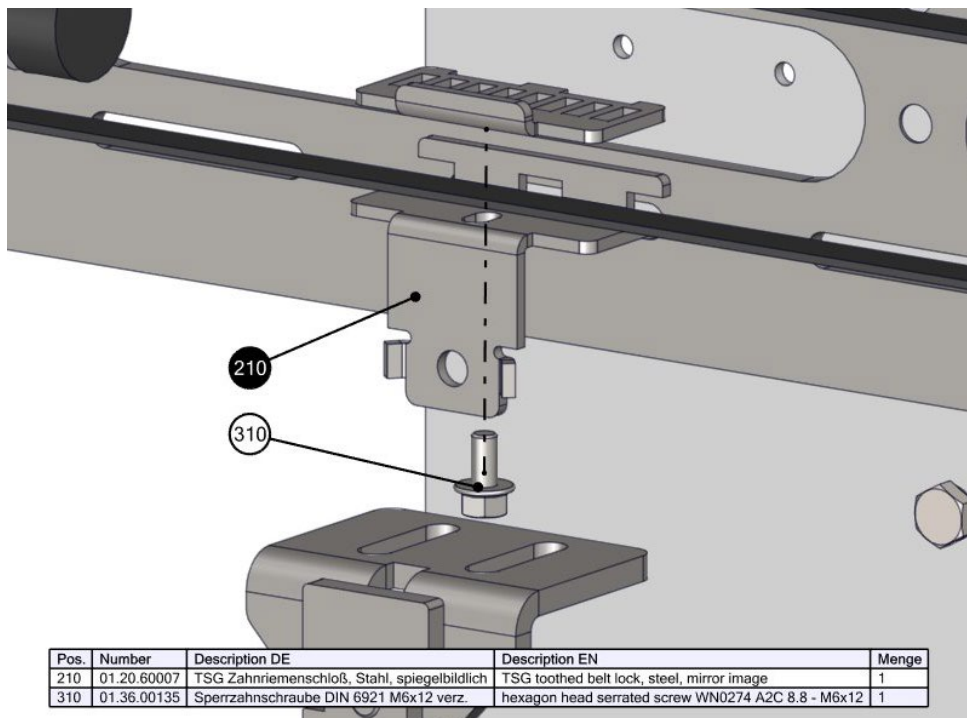
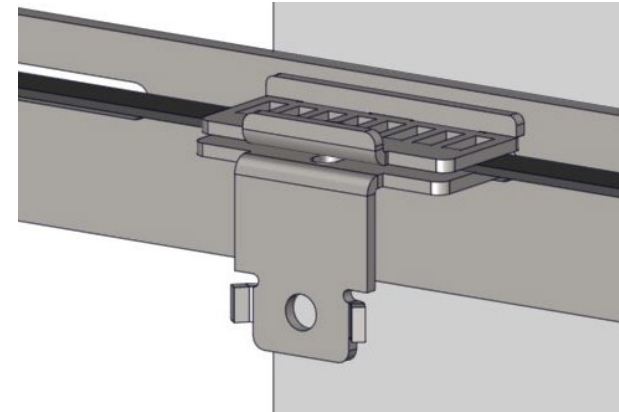


Pos.	Number	Description DE	Description EN	Menge
410	8.20.60002.40	TSG Zahnriemen [4,0m]	TSG toothed belt [4,0m]	1



TL

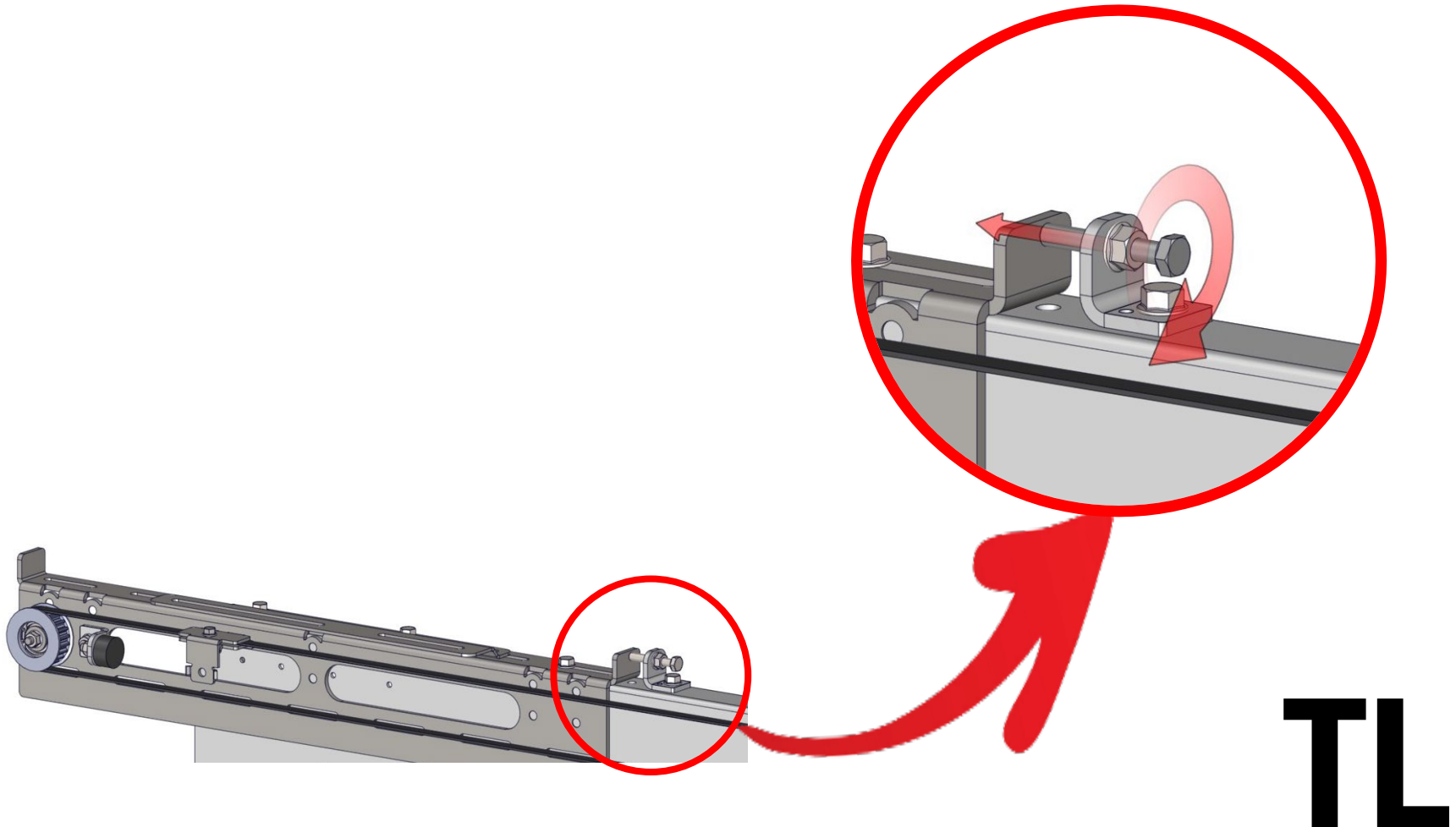
Montage Zahnriemensschloss – assembly of the tooth belt lock



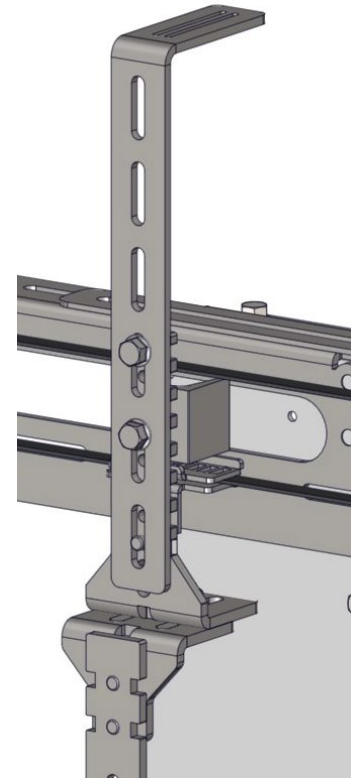
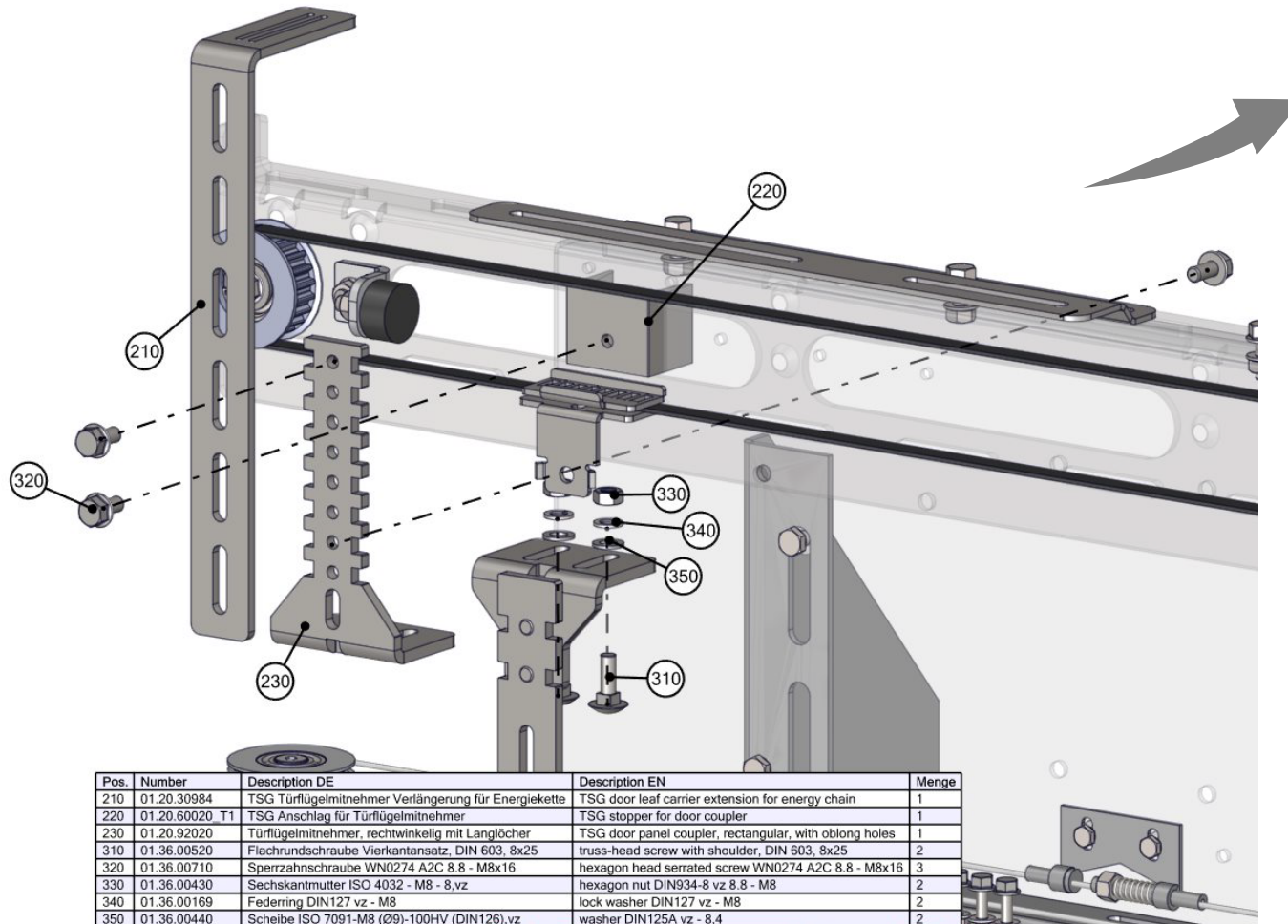
Pos.	Number	Description DE	Description EN	Menge
210	01.20.60007	TSG Zahnriemenschloß, Stahl, spiegelbildlich	TSG toothed belt lock, steel, mirror image	1
310	01.36.00135	Sperrzahnschraube DIN 6921 M6x12 verz.	hexagon head serrated screw WN0274 A2C 8.8 - M6x12	1

TL

Zahnriemen spannen - tensioning the tooth belt

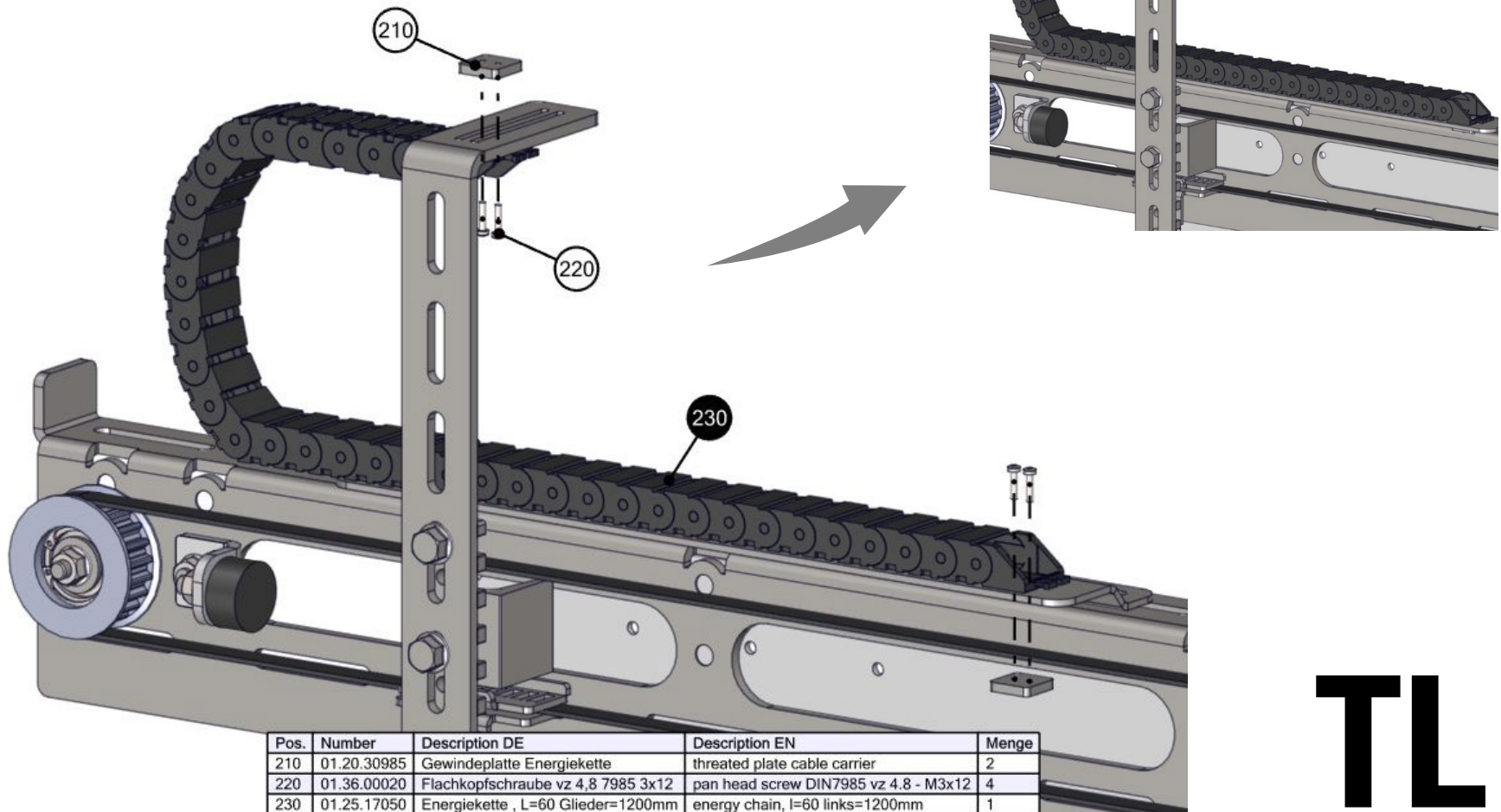


Montage Türflügelmitnehmer – assembly of the door panel coupler



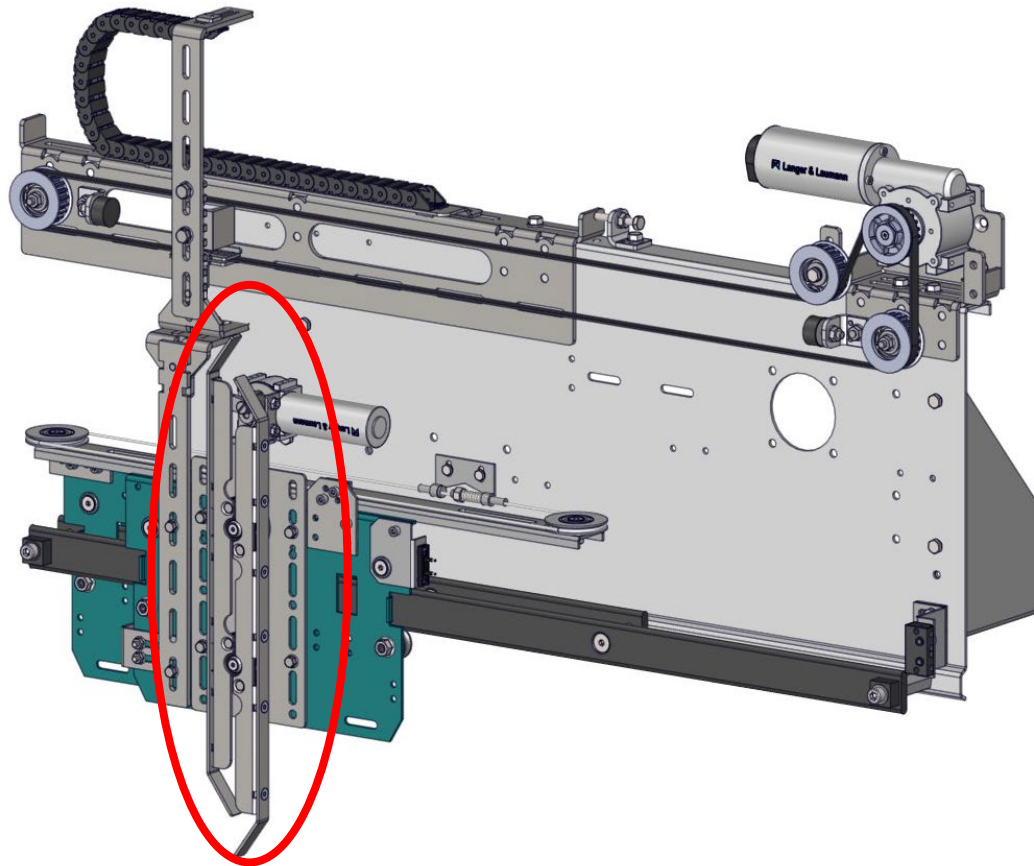
TL

Optional: Montage Energiekette – optionally: assembly of the energy chain

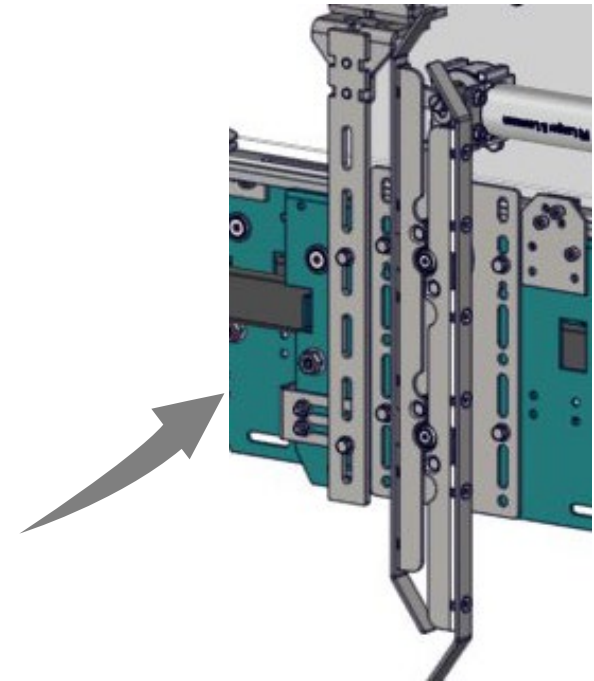
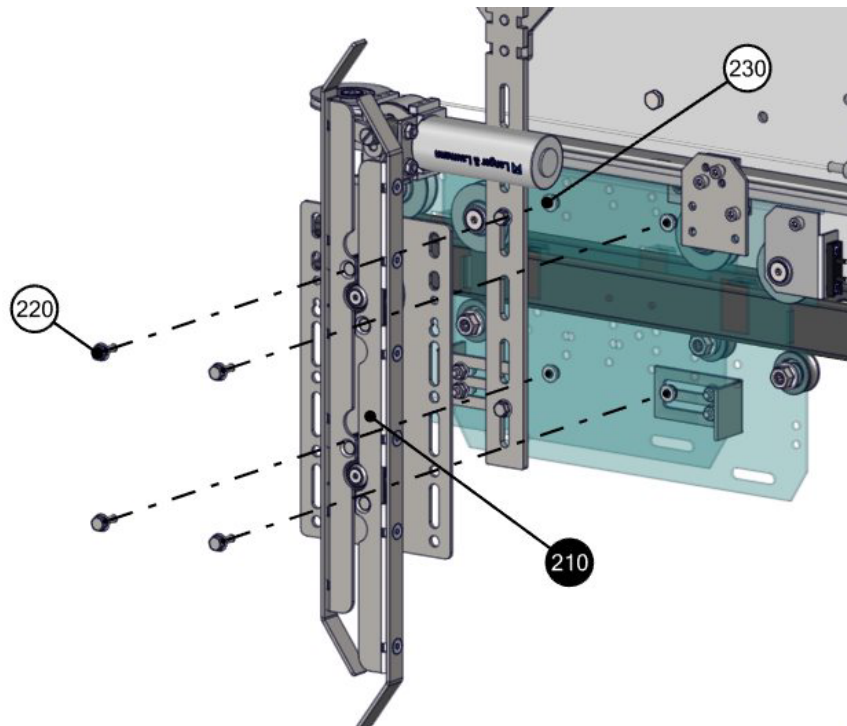
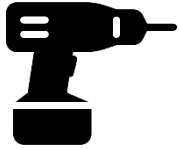


TL

Optional: Montage E-Schwert – optionally: assembly of the electric skate

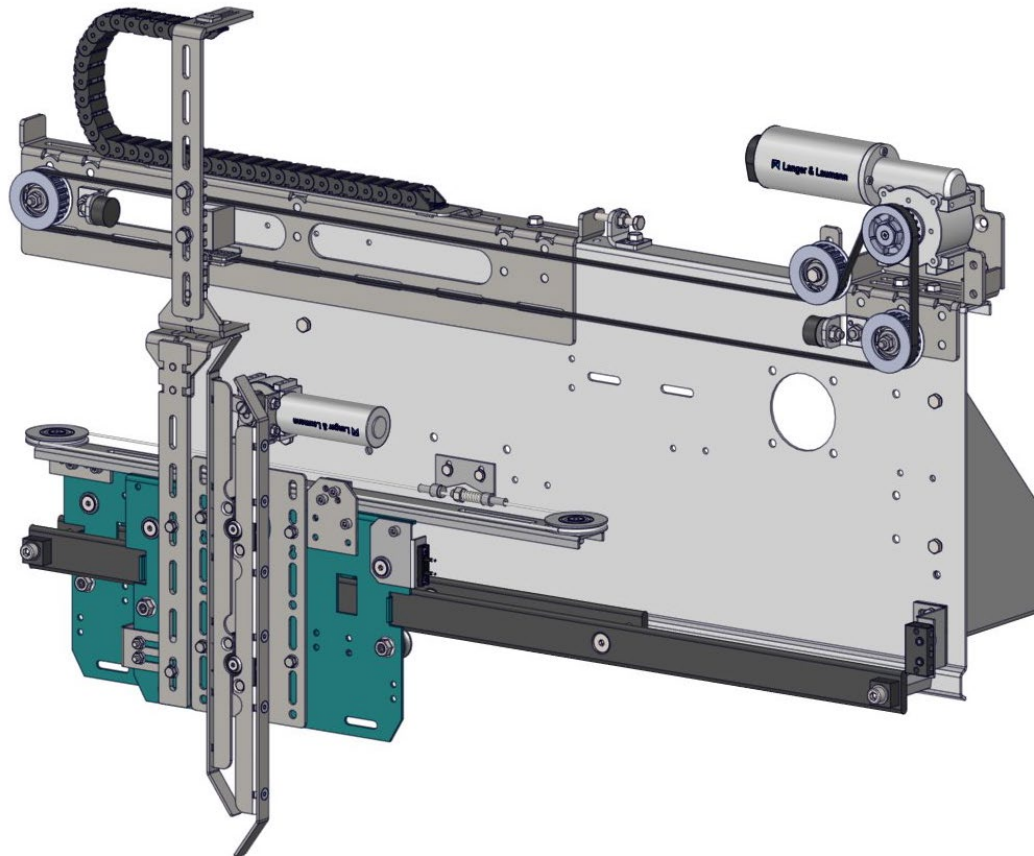


TL



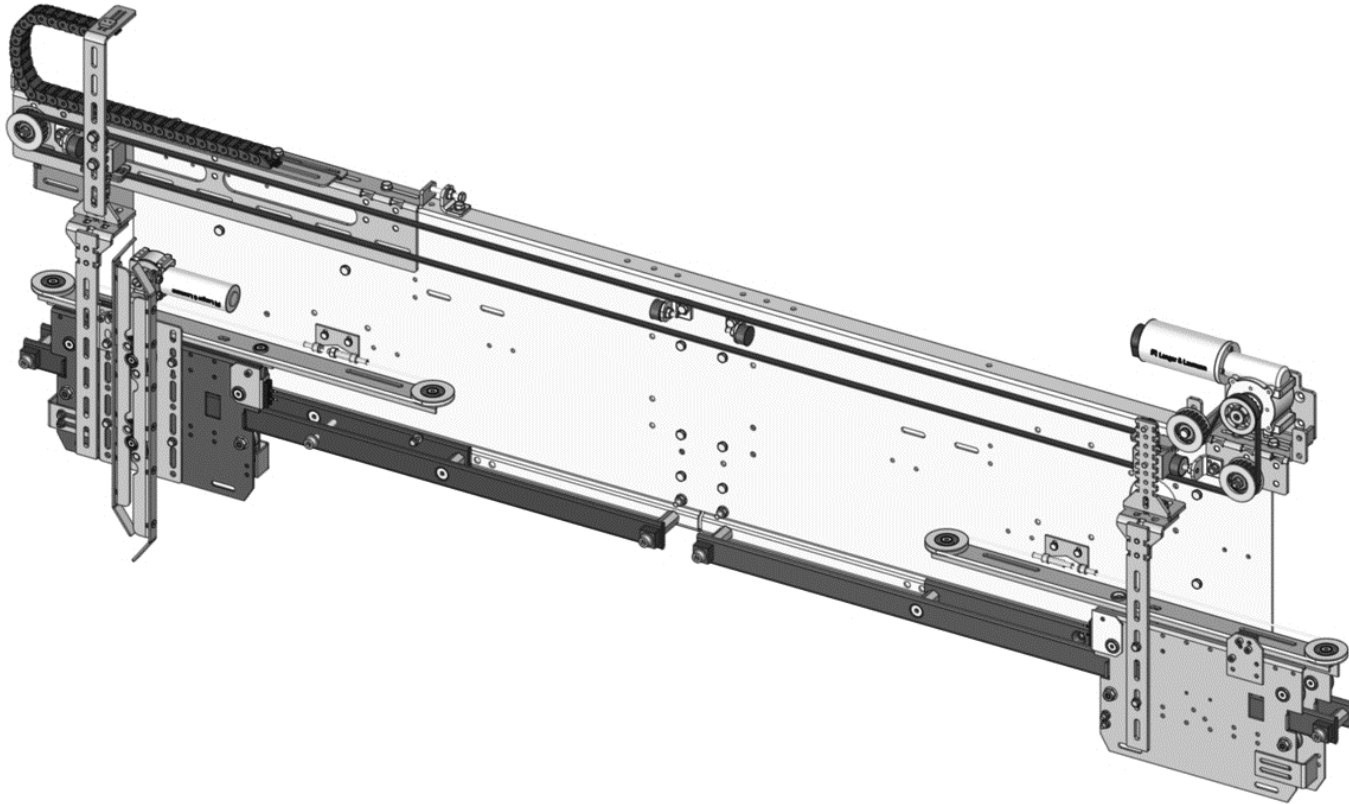
Pos.	Number	Description DE	Description EN	Menge
210	08.20.20090	Elektrisches Schwert für 3201, TL	electric skate for 3201	1
220	01.36.00138	Sperrzahnschraube WN0274 A2C 8.8 - M6x16	hexagon head serrated screw WN0274 A2C 8.8 - M6x16	4
230	01.36.00502	Sperrzahnmutter M6	ribbed nuts, similar to DIN6923 vz - M6	4

TL



TL

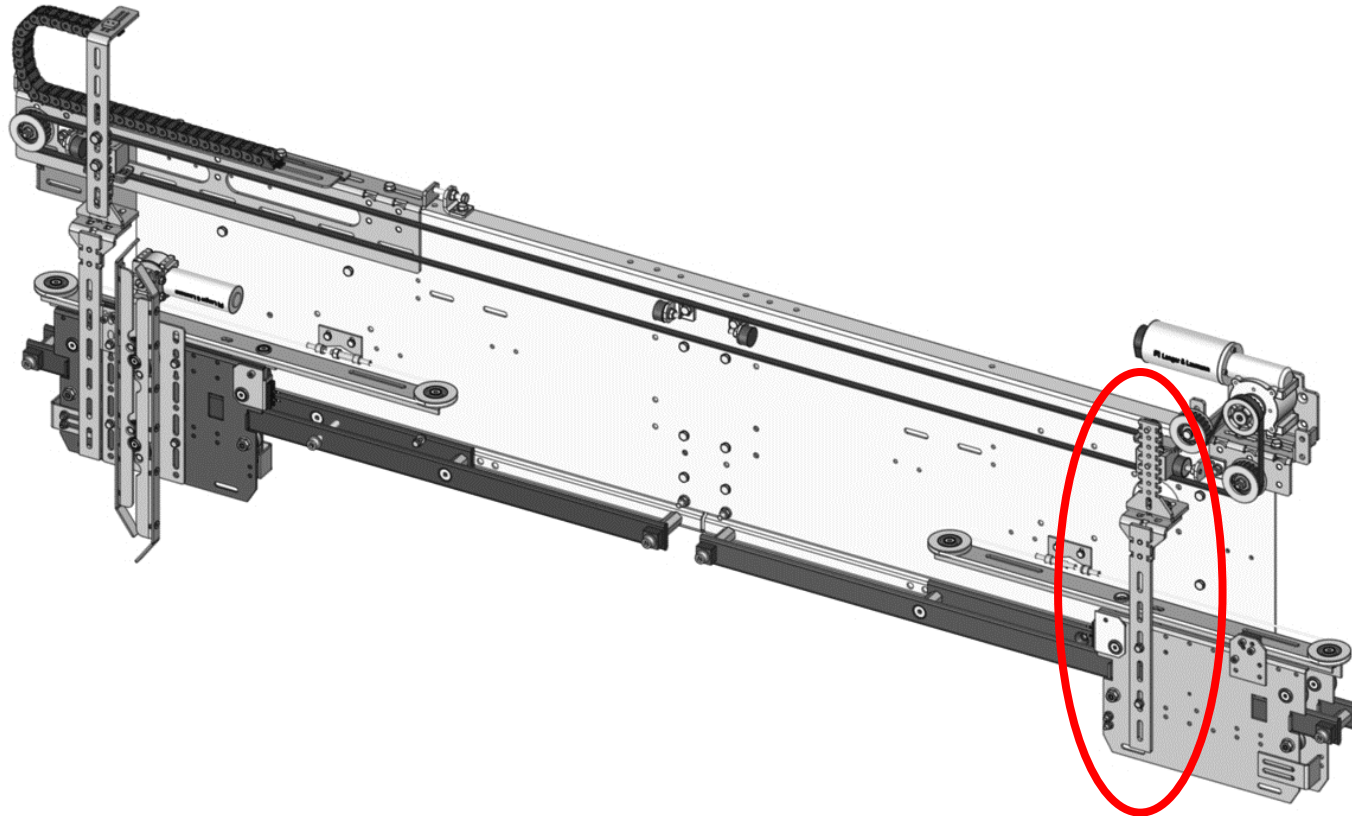
TSG mit optionalem E-Schwert für Selcom 3201 ZT – **TSG with an optional electric skate for Selcom 3201 CT**



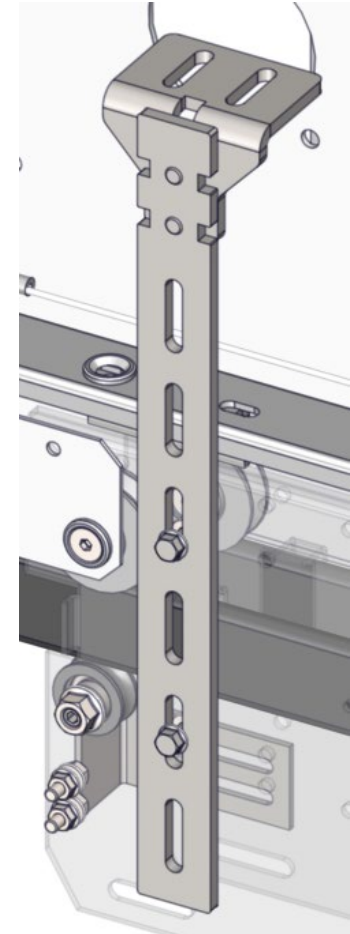
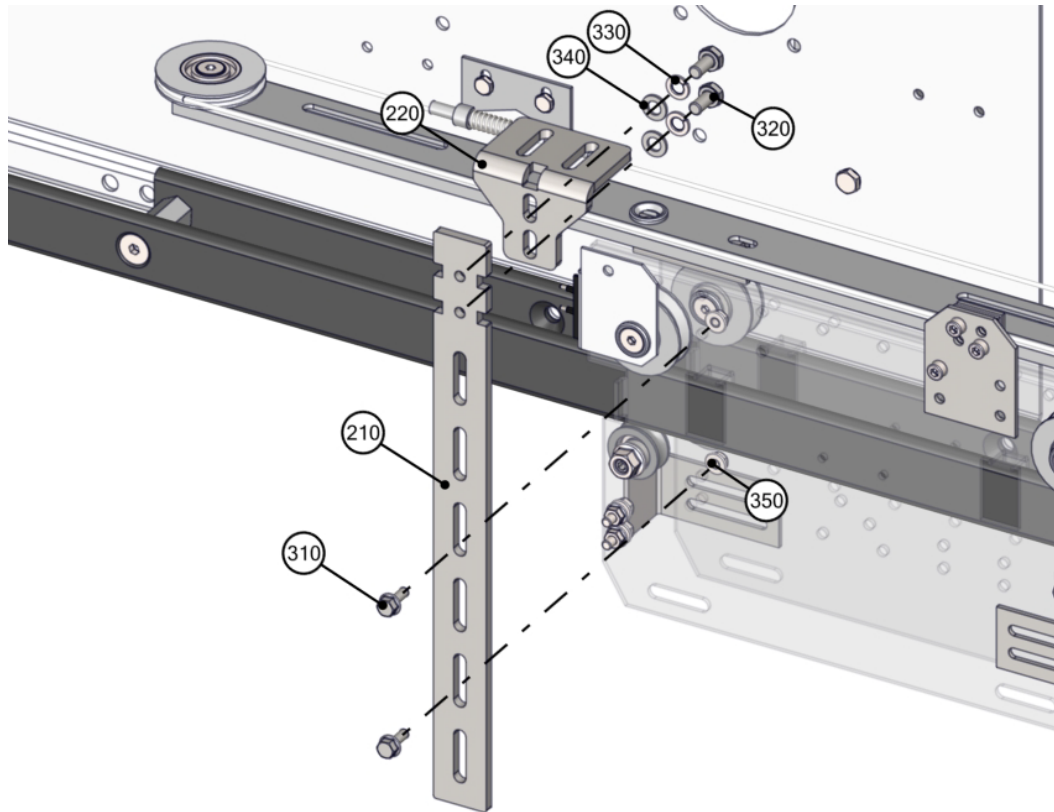
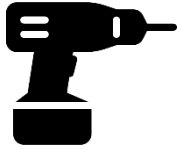
Montage wie bei TL mit zusätzlichem Türflügelmitnehmer –
assembly similar to TL with an additional door panel coupler

ZT

Montage zweiter TSG Türflügelmitnehmer und Zahnriemenschloss – assembly the second TSG door panel coupler and tooth belt lock



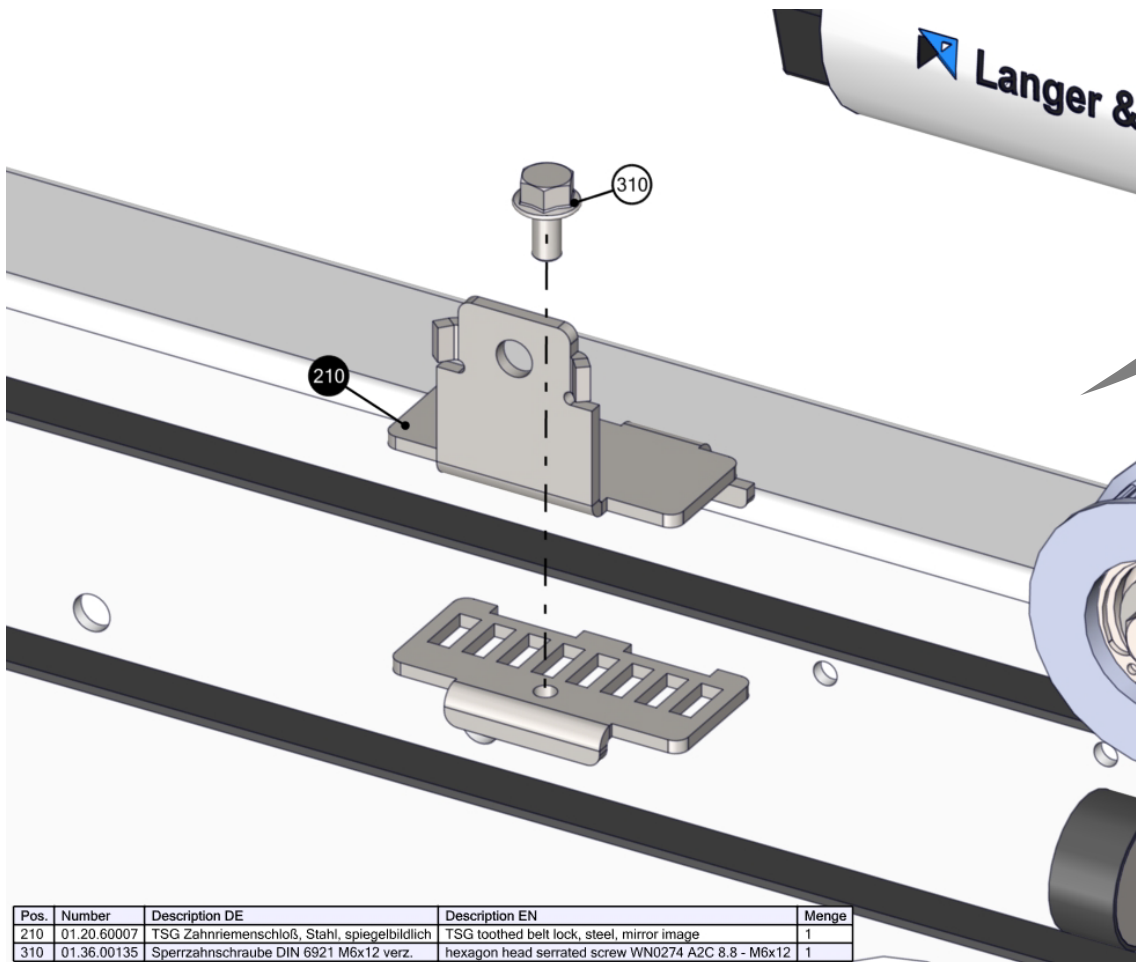
ZT



Pos.	Number	Description DE	Description EN	Menge
210	01.20.60004	Türflügelmitnehmer 375x35x6	TSG door panel coupler 375x35x6	1
220	01.20.60075	rechtwinkliges Verbindungsblech TSG Mitnehmer, mit Langlöcher	right-angled connecting plate TSG driver	1
310	01.36.00138	Sperrzahnschraube WN0274 A2C 8.8 - M6x16	hexagon head serrated screw WN0274 A2C 8.8 - M6x16	2
320	01.36.02115	Sechskantschraube ISO 4017 - M8x16 - 8.8	hexagonal bolt ISO4017 vz 8.8 - M8x16	2
330	01.36.00169	Federring DIN127 vz - M8	lock washer DIN127 vz - M8	2
340	01.36.00440	Scheibe ISO 7091-M8 (Ø9)-100HV (DIN126), vz	washer DIN125A vz - 8,4	2
350	01.36.00502	Sperrzahnmutter, ähnlich DIN6923 vz - M6	ribbed nuts, similar to DIN6923 vz - M6	2

ZT

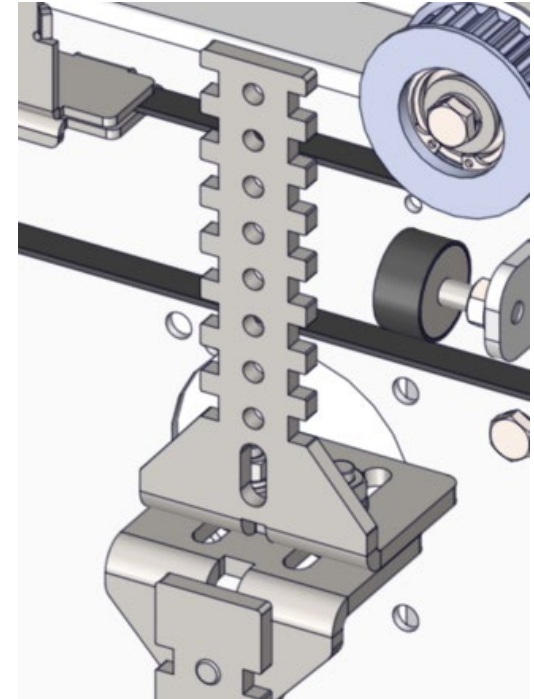
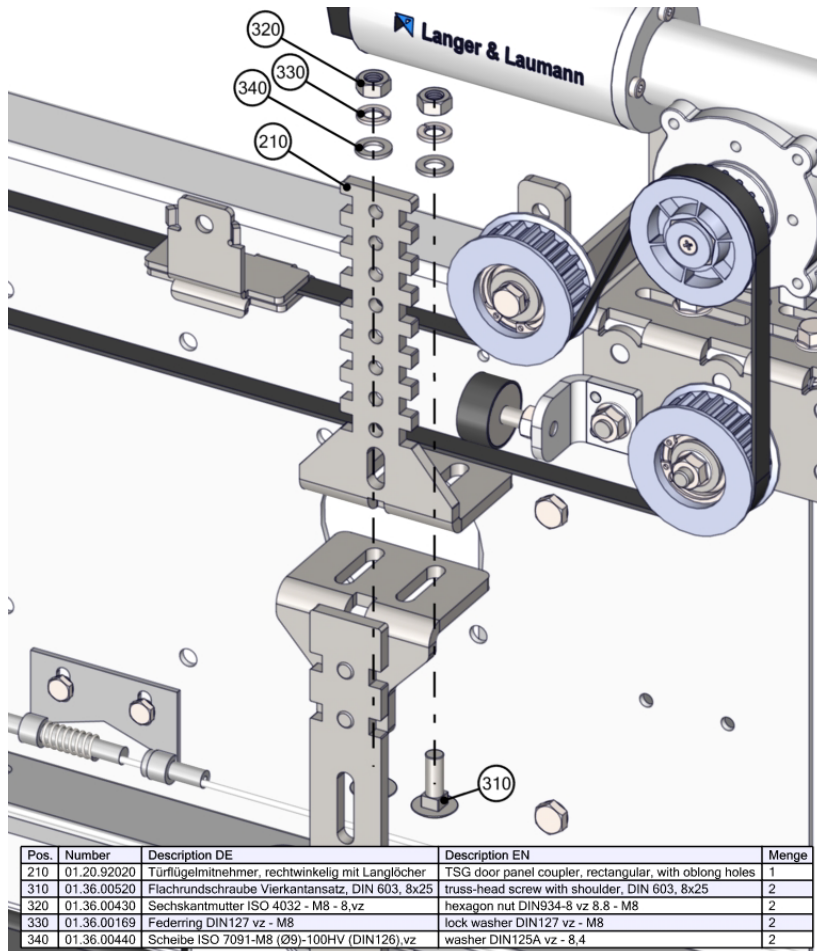
Montage zweites Zahnriemenschloss – assembly of the second tooth belt lock



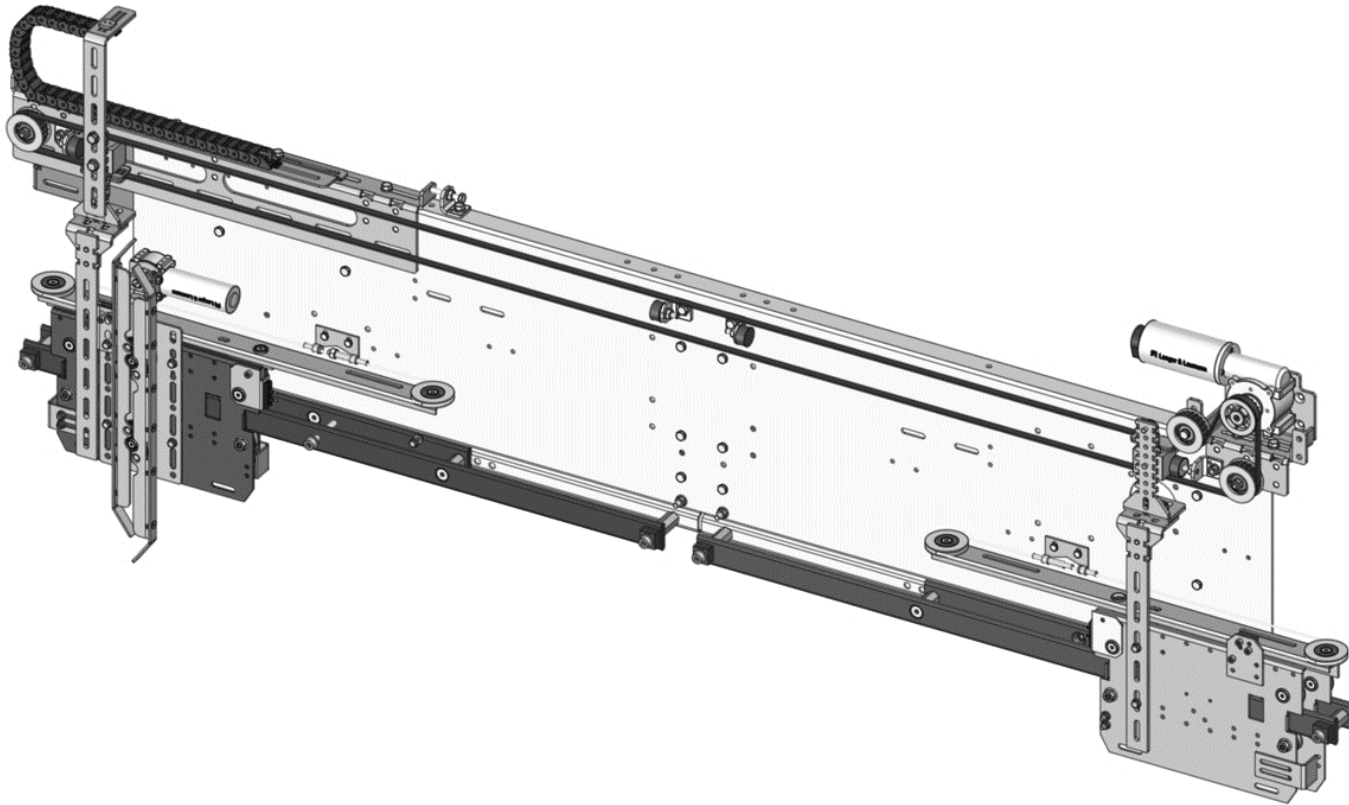
Pos.	Number	Description DE	Description EN	Menge
210	01.20.60007	TSG Zahnriemenschloß, Stahl, spiegelbildlich	TSG toothed belt lock, steel, mirror image	1
310	01.36.00135	Sperrzahnschraube DIN 6921 M6x12 verz.	hexagon head serrated screw WN0274 A2C 8.8 - M6x12	1

ZT

Montage Türflügelmitnehmer – assembly of the door panel coupler

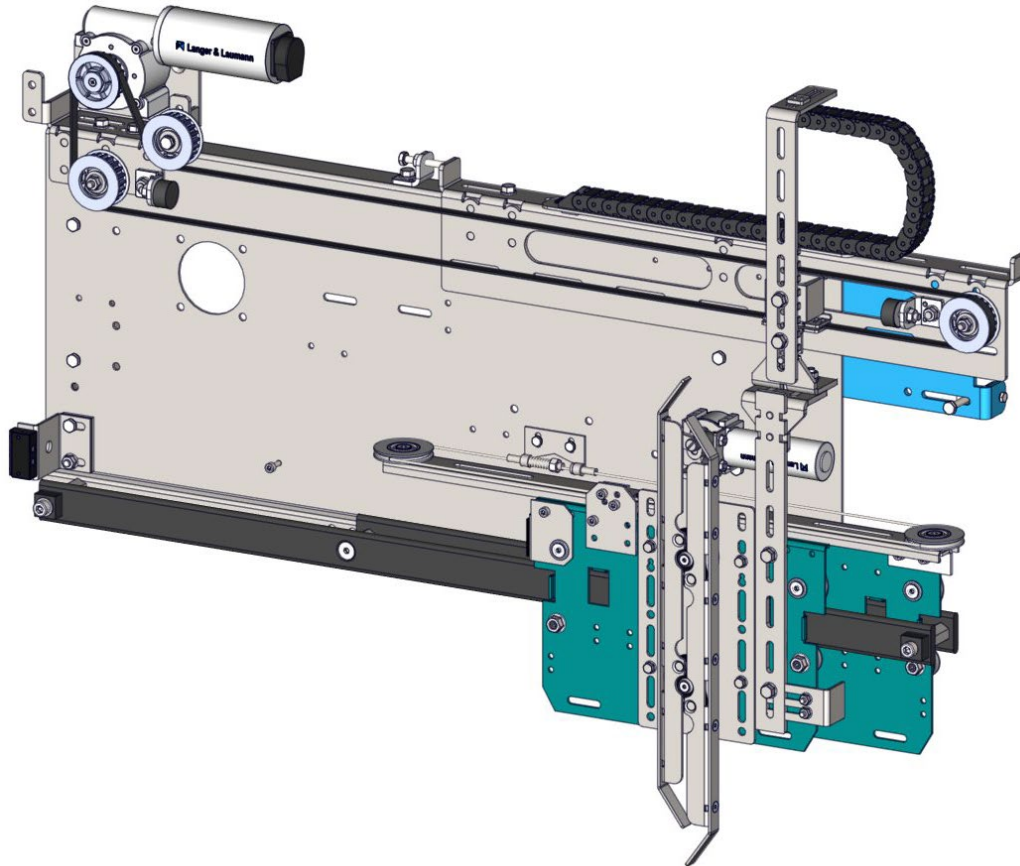


ZT



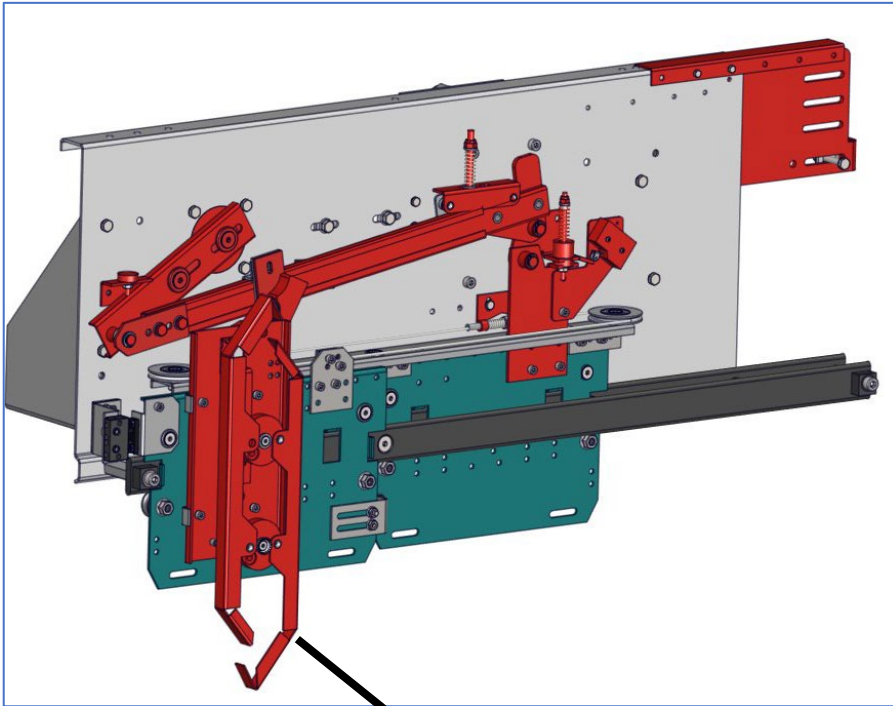
ZT

TSG mit optionalem E-Schwert für Selcom 3201 – TSG with an optional electric skate for Selcom 3201

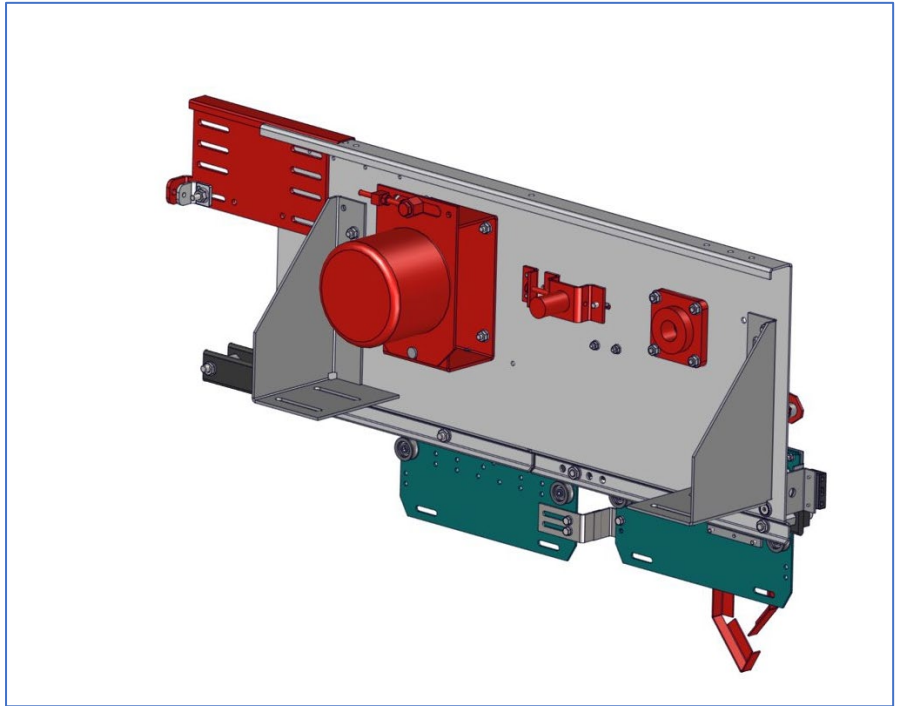


TR

Vor Umbau entfernen – remove before conversion

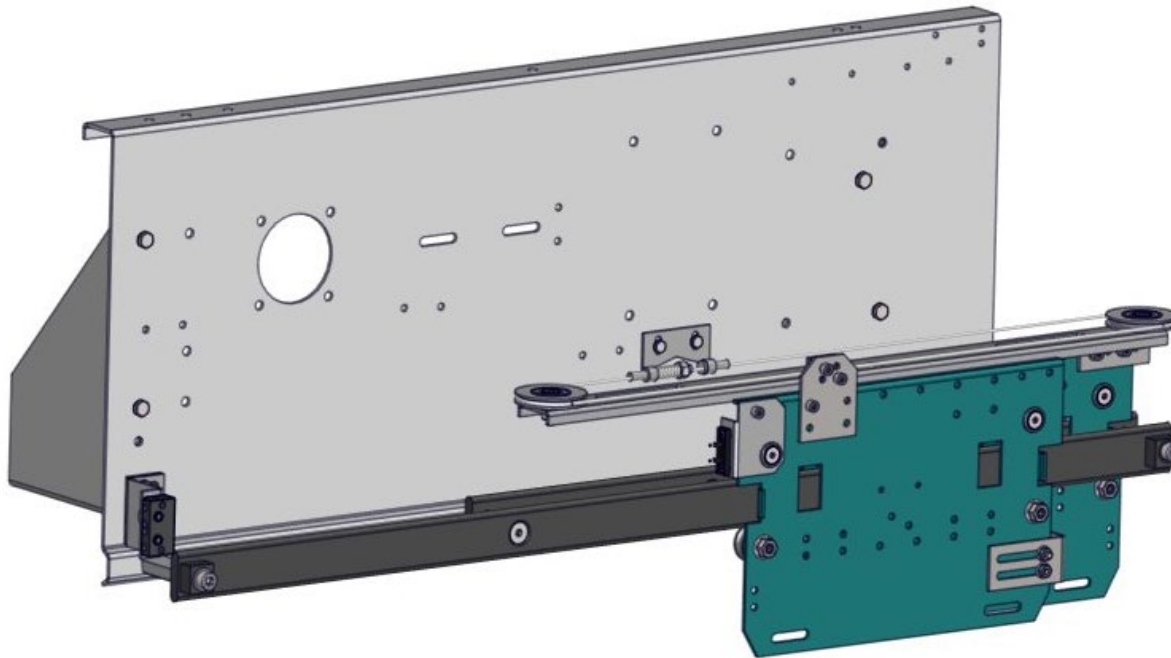


Demontage Schwert bei Option E-Schwert –
disassembly skate with option electric skate



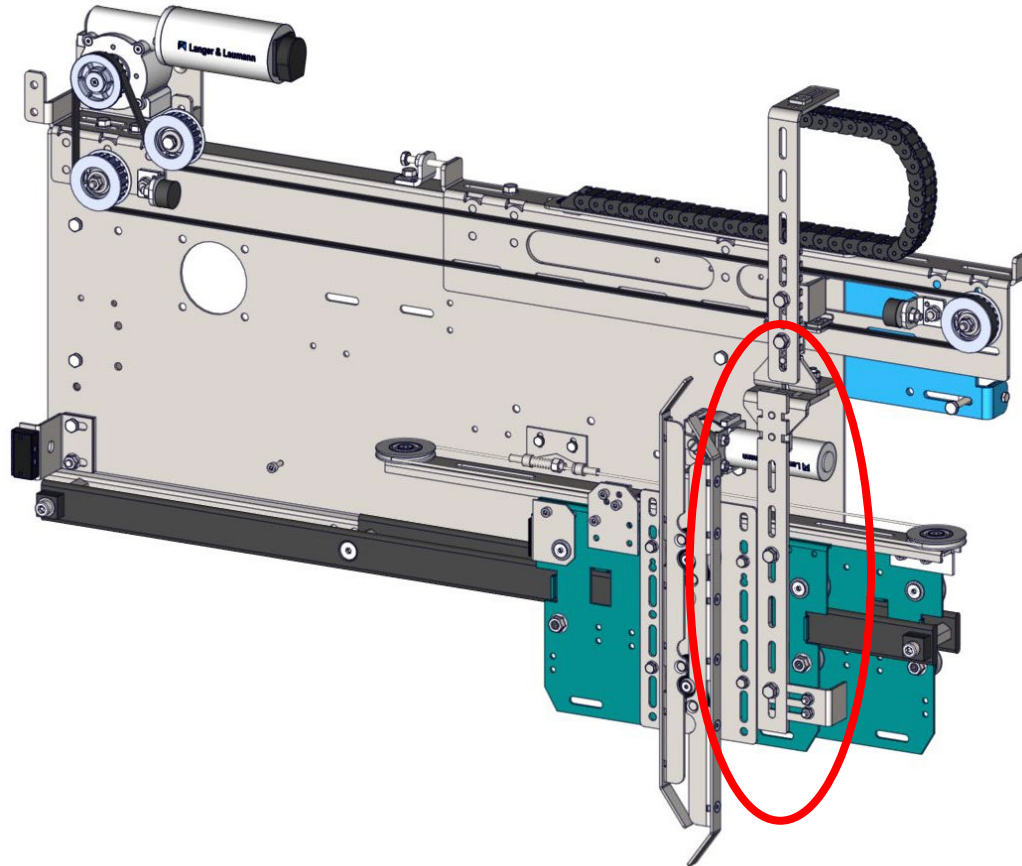
TR

Nach Demontage – after disassembly

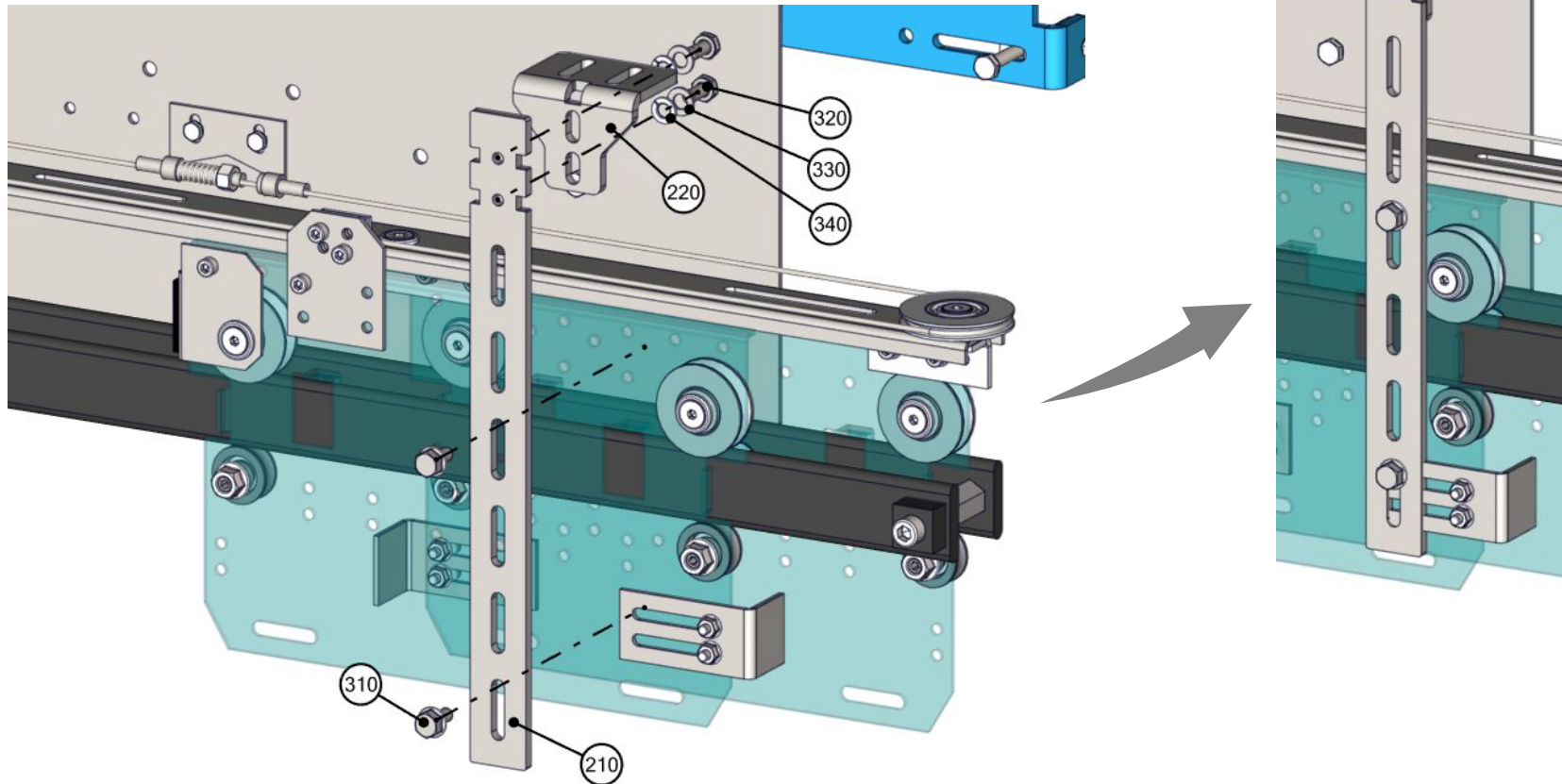
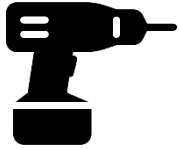


TR

Montage TSG Türflügelmitnehmer – assembly the TSG door panel coupler



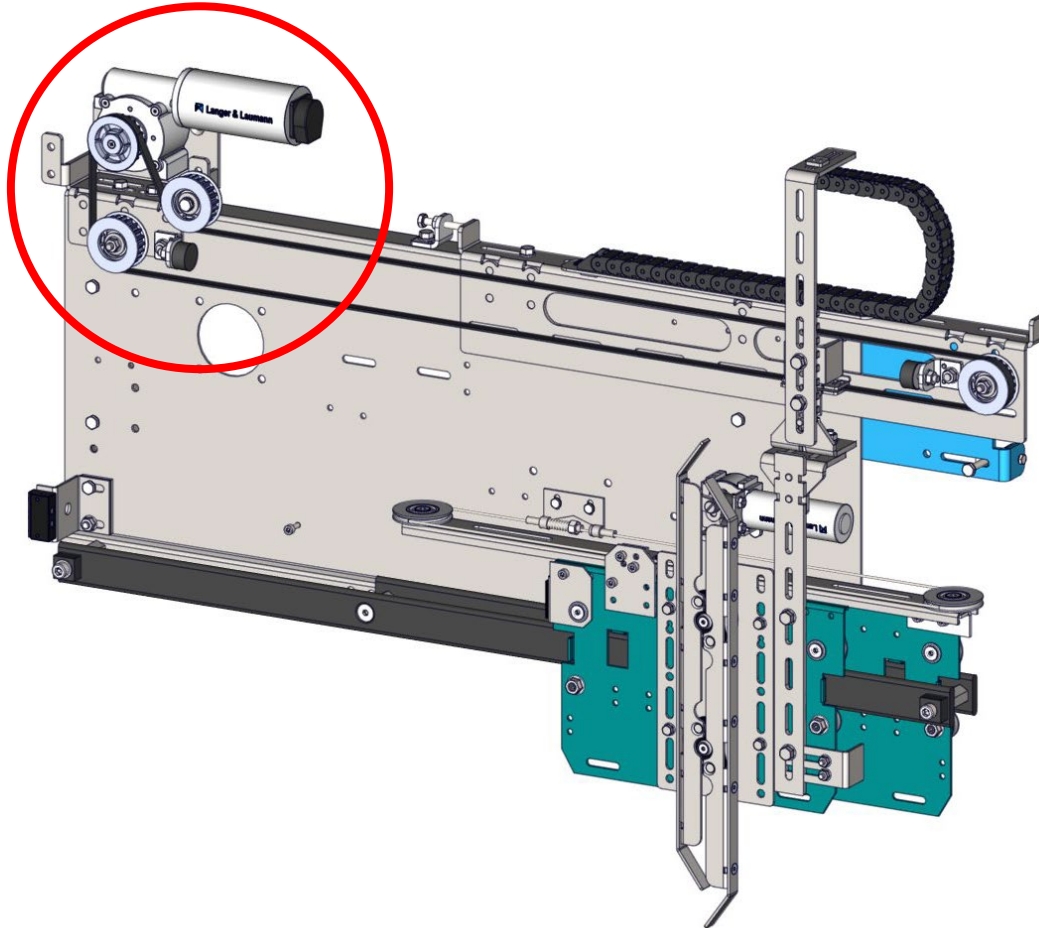
TR



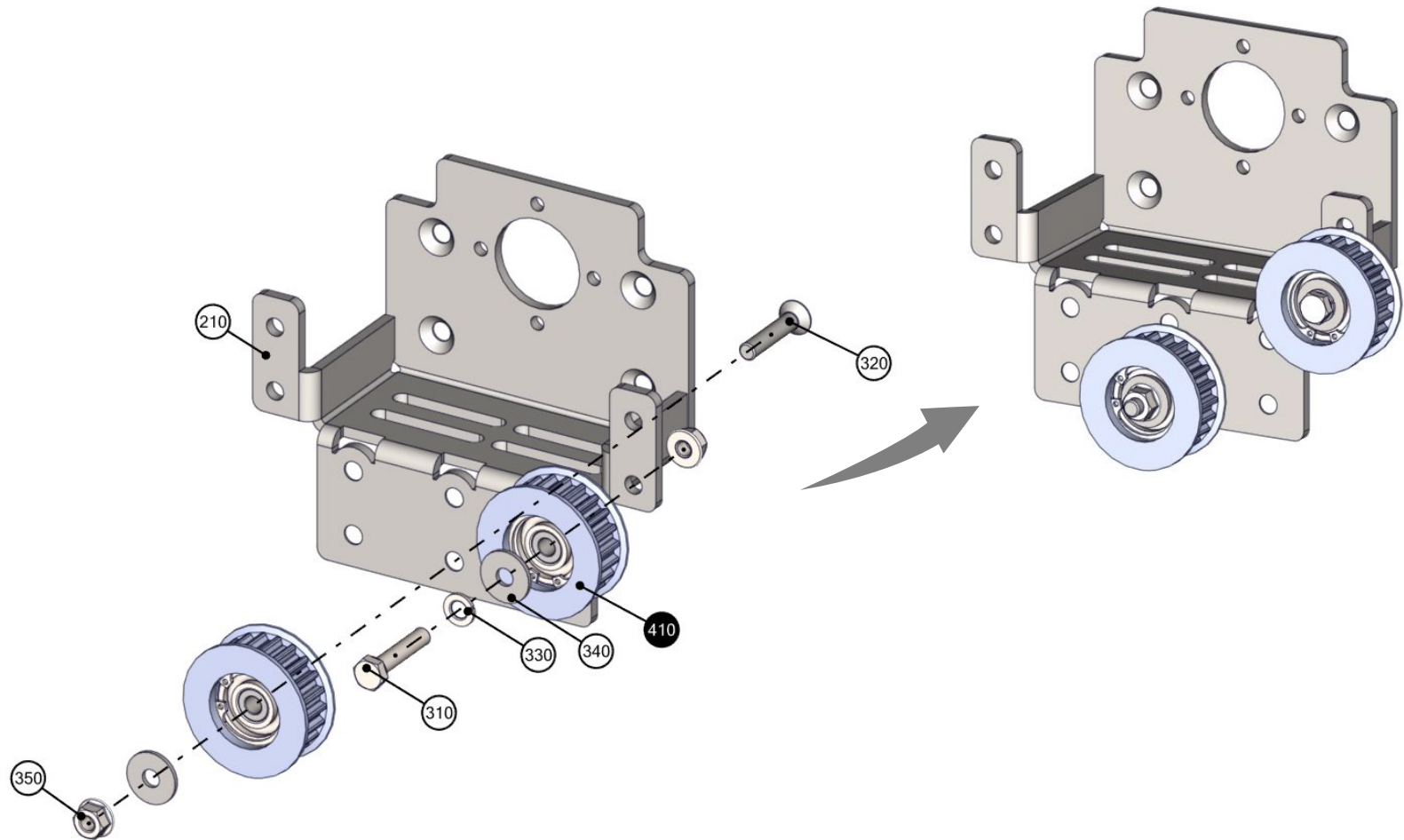
Pos.	Number	Description DE	Description EN	Menge
210	01.20.60004	Türflügelmitnehmer 375x35x6	TSG door panel coupler 375x35x6	1
220	01.20.60075	rechtwinkliges Verbindungsblech TSG Mitnehmer, mit Langlöcher	right-angled connecting plate TSG driver	1
310	01.36.00710	Sperrzahnschraube WN0274 A2C 8.8 - M8x16	hexagon head serrated screw WN0274 A2C 8.8 - M8x16	2
320	01.36.02115	Sechskantschraube ISO 4017 - M8x16 - 8.8	hexagonal bolt ISO4017 vz 8.8 - M8x16	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

TR

Montage Motor – assembly of the motor

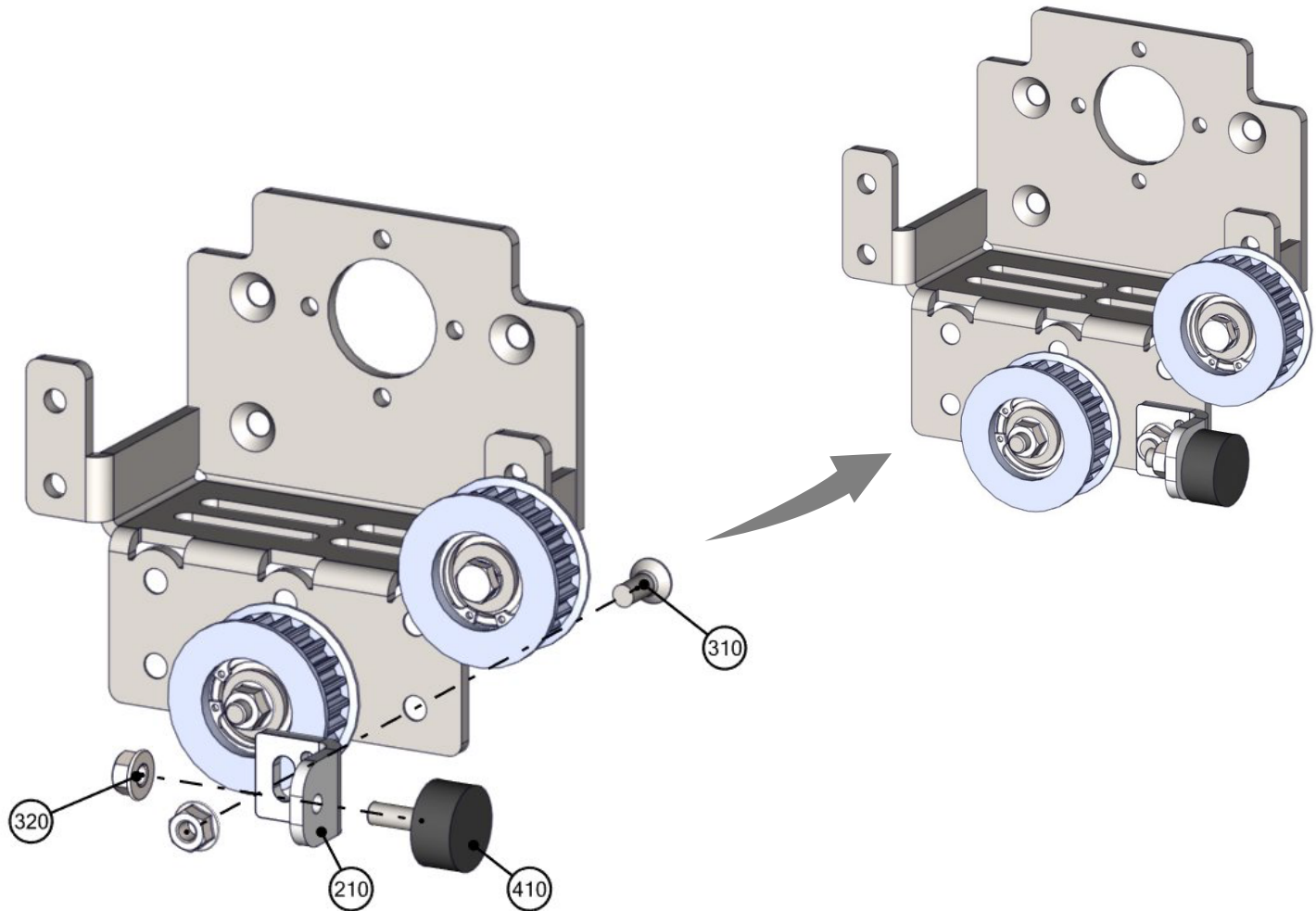


TR



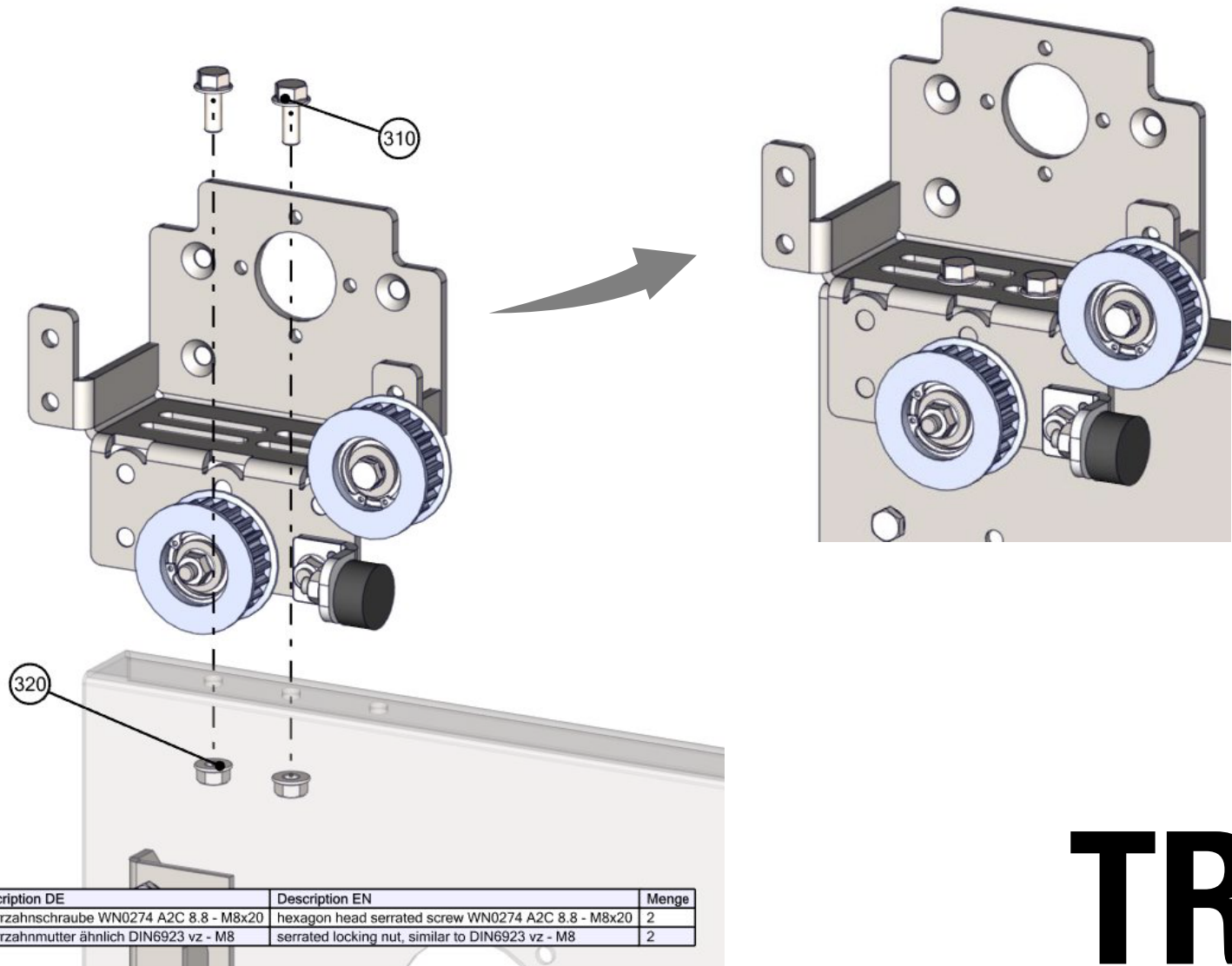
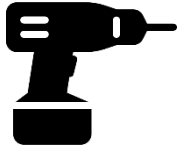
Pos.	Number	Description DE	Description EN	Menge
210	01.20.60705	Motorhalter Zahnriemen versetzt	holder drive offset timing belt	1
310	01.36.00115	Sechskantschraube Vollgewinde DIN933 vz 8.8 - M8x40	hexagonal bolt, thread up to head DIN933 vz 8.8 - M8x40	1
320	01.36.00387	Senkschraube m.Innensechskant ISO10642-M8x40	countersunk head screw w.recessed head DIN7991 vz8.8 - M8x40	1
330	01.36.00169	Federring DIN127 vz - M8	lock washer DIN127 vz - M8	1
340	01.36.00450	Kotflügelscheibe DIN522 vz - 8,4x20x1,25	wing repair washer DIN522 vz - 8,4x20x1,25	2
350	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	2
410	01.20.60003	Tüte Umlenkrolle	bag counter roller	2

TR



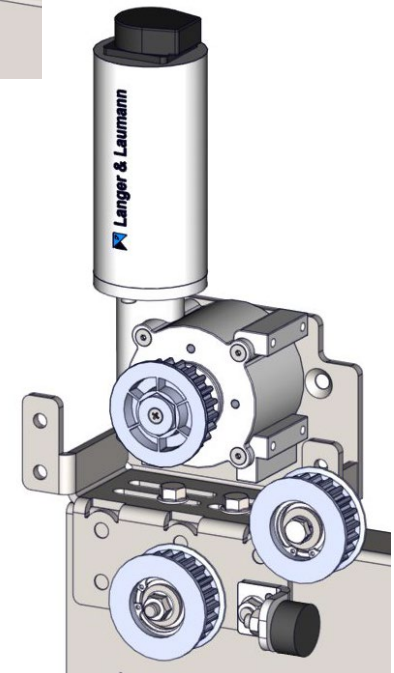
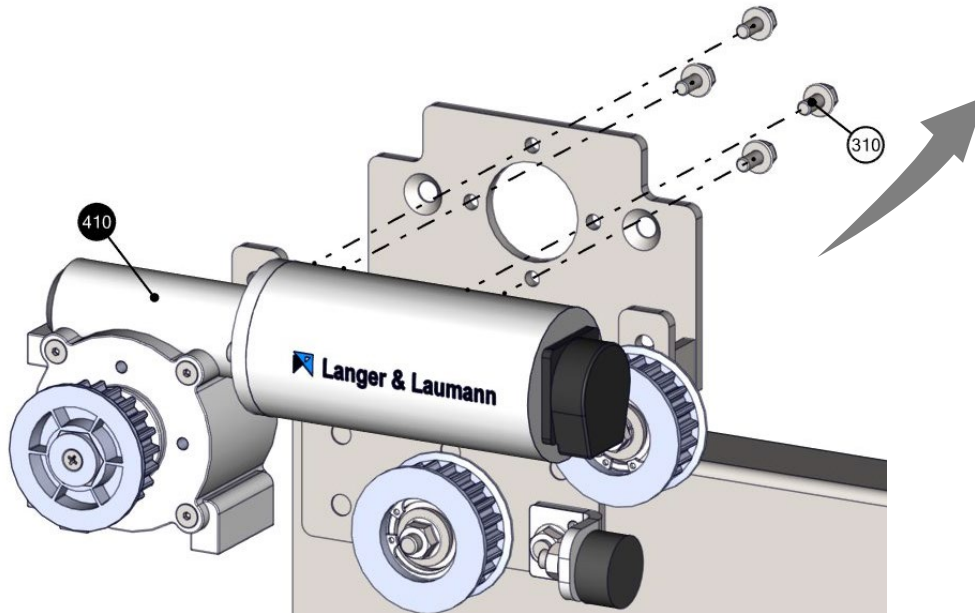
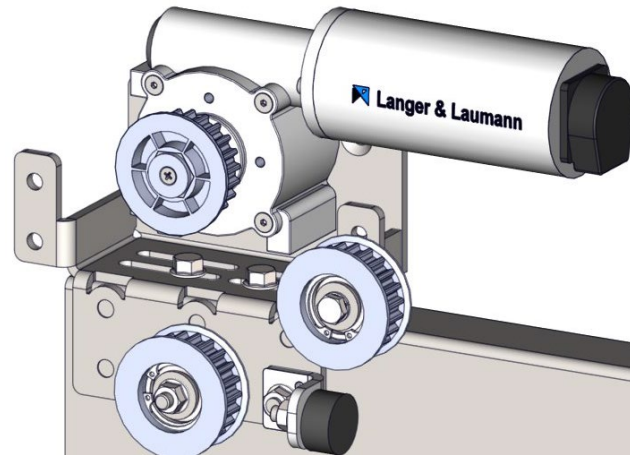
Pos.	Number	Description DE	Description EN	Menge
210	01.20.59070	Halterung Puffer für M3TK	rectangular stop for M3TK	1
310	01.36.00380	Senkschraube, DIN 965, M8 x 20 - 8.8, vz	countersunk head screw w.recessed head DIN7991 vz8.8 - M8x20	1
320	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated 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

TR



TR

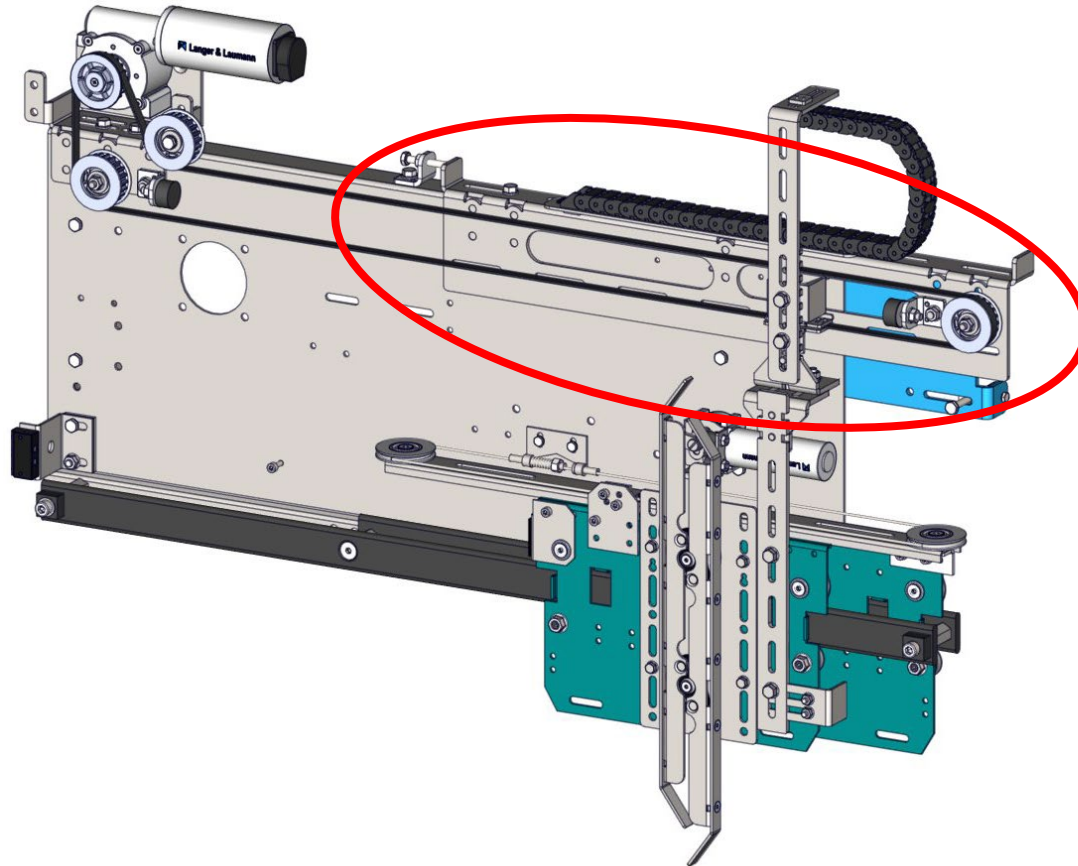
Pos.	Number	Description DE	Description EN	Menge
310	01.36.00720	Sperrzahnschraube WN0274 A2C 8.8 - M8x20	hexagon head serrated screw WN0274 A2C 8.8 - M8x20	2
320	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	2



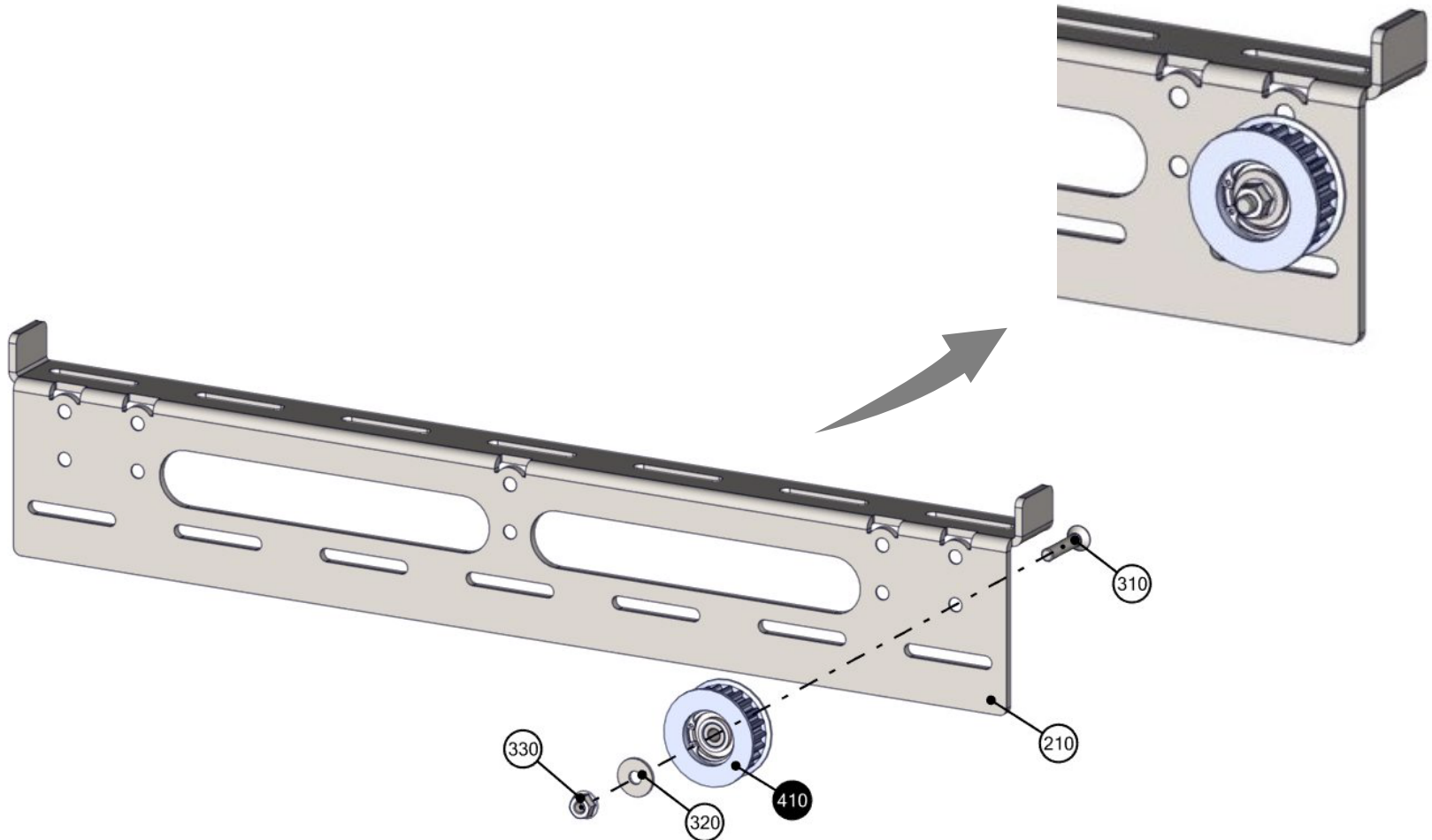
**Alternative Einbauposition –
alternative mounting position**

Pos.	Number	Description DE	Description EN	Menge
310	01.36.00135	Sperrzahnschraube DIN 6921 M6x12 verz.	hexagon head serrated screw WN0274 A2C 8.8 - M6x12	4
410	08.20.40001.K1	Motor Gross Rechts Getriebe, 24V/5,1A/1:15	Motor Large Right & Gearbox, 24V/5,1A/1:15	1

Montage Umlenkrollen – assembly of the pulley

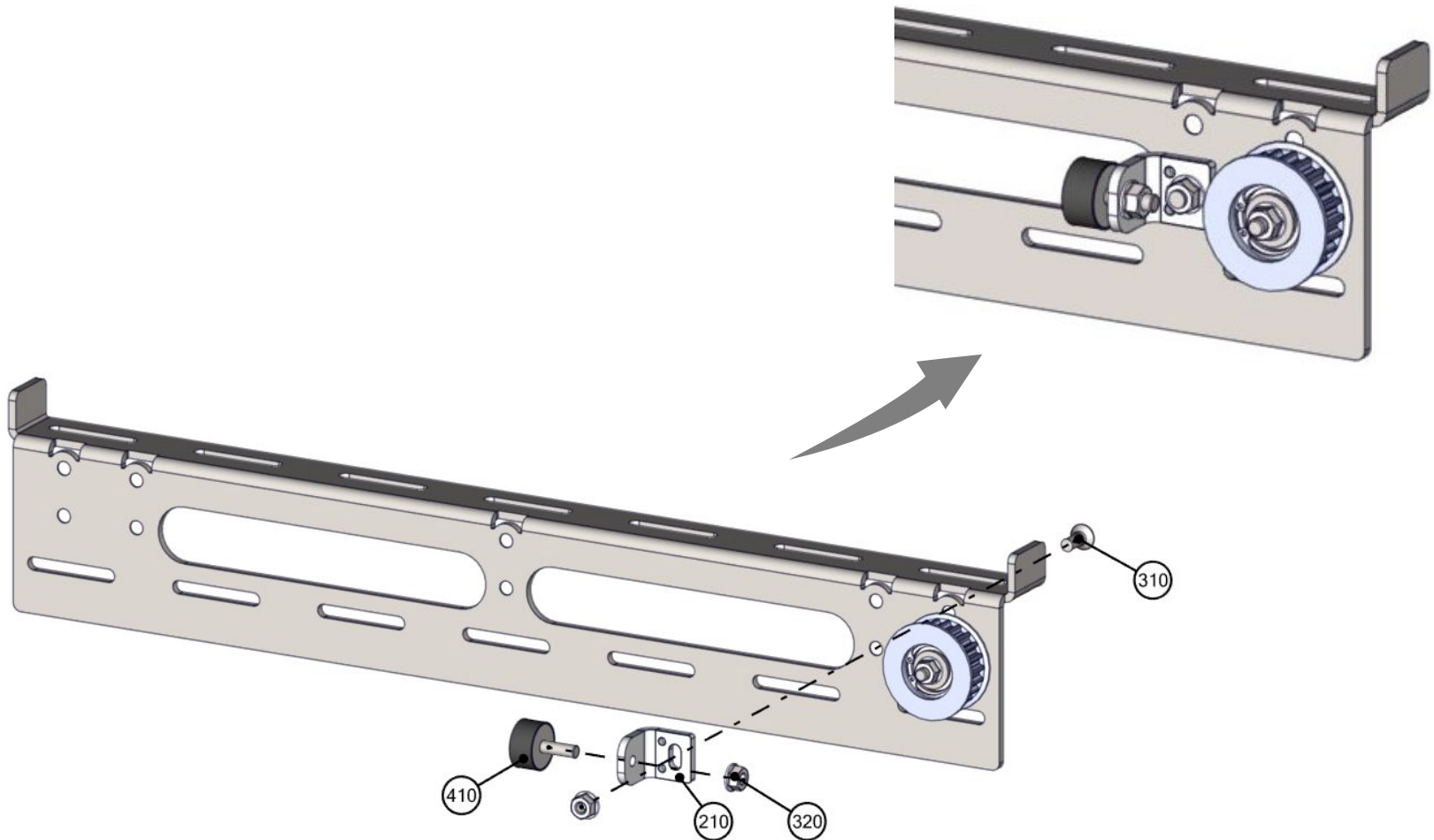


TR



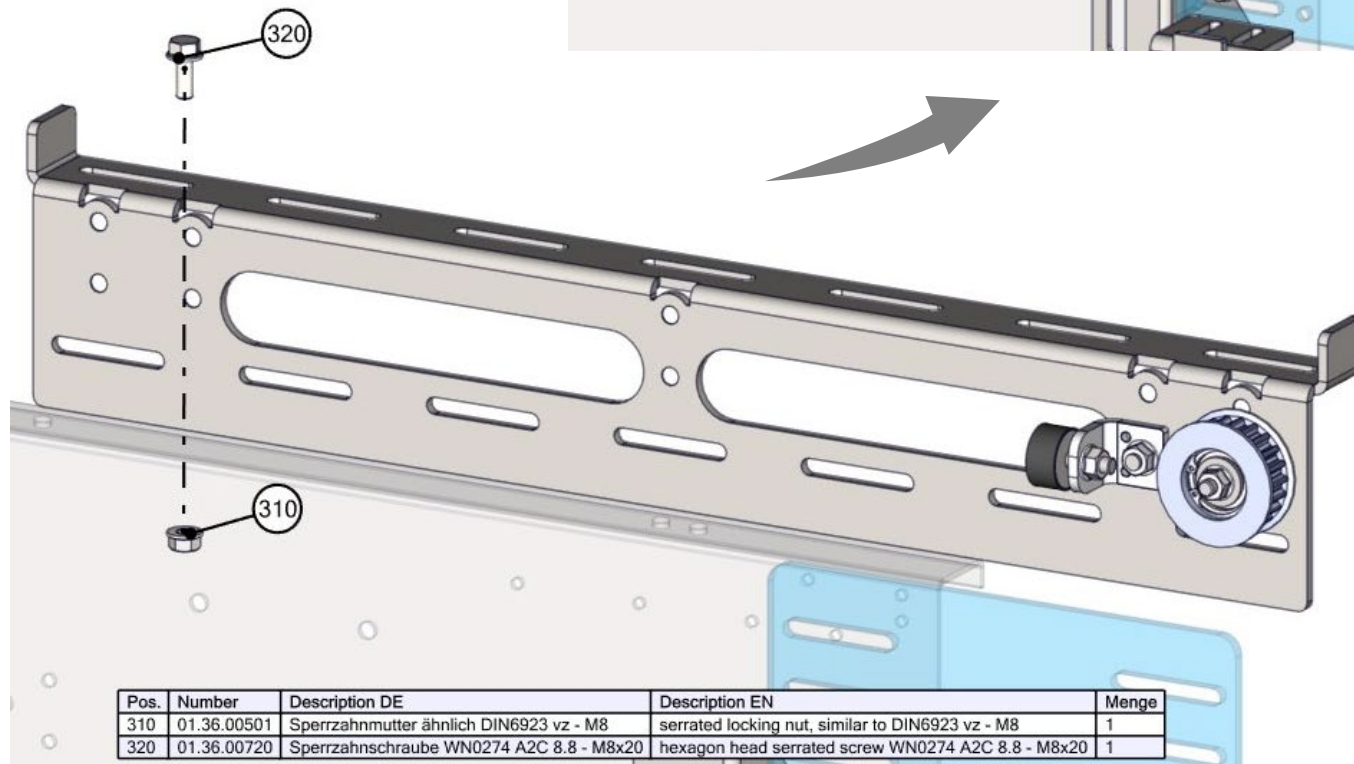
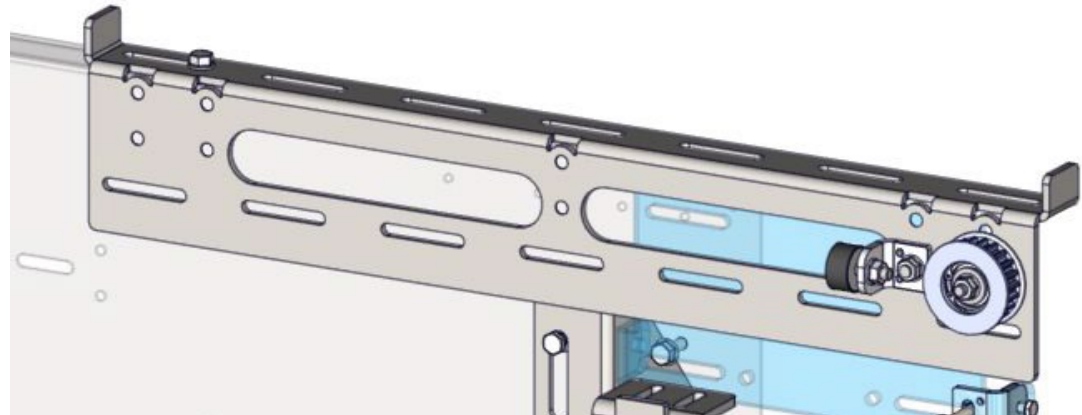
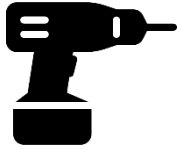
Pos.	Number	Description DE	Description EN	Menge
210	01.20.60706	Gegenrollenhalter Zahnriemen versetzt	counter roll holder offset timing belt	1
310	01.36.00387	Senkschraube m. Innensechskant ISO10642-M8x40	countersunk head screw w. recessed head DIN7991 vz8.8 - M8x40	1
320	01.36.00450	Kotflügelscheibe DIN522 vz - 8,4x20x1,25	wing repair washer DIN522 vz - 8,4x20x1,25	1
330	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	1
410	01.20.60003	Tüte Umlenkrolle	bag counter roller	1

TR



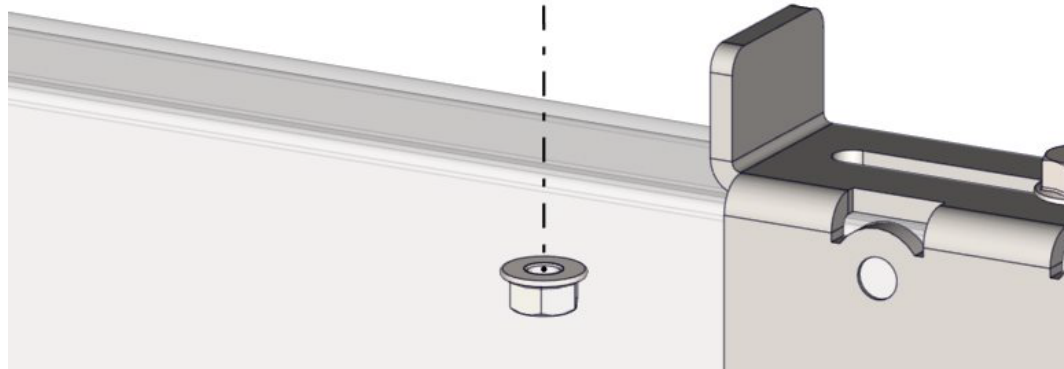
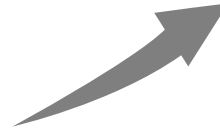
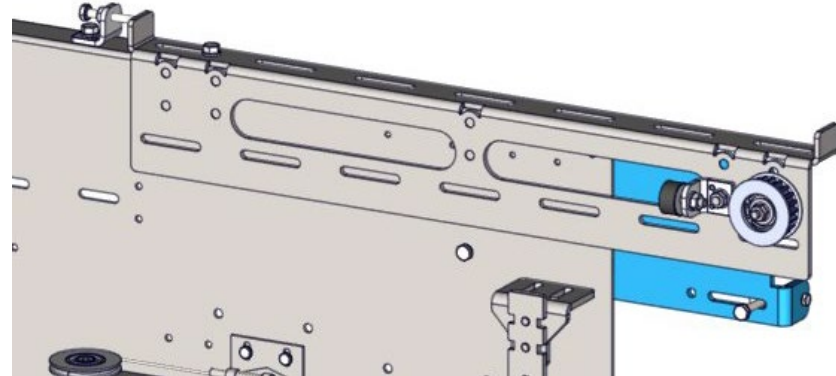
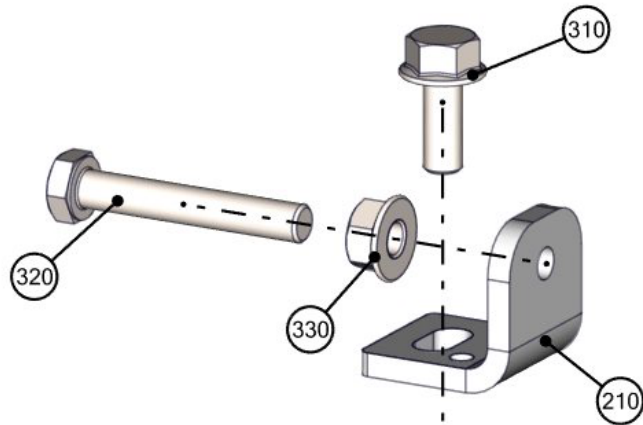
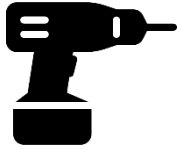
Pos.	Number	Description DE	Description EN	Menge
210	01.20.59070	Halterung Puffer für M3TK	rectangular stop for M3TK	1
310	01.36.00380	Senkschraube, DIN 965, M8 x 20 - 8.8, vz	countersunk head screw w.recessed head DIN7991 vz8.8 - M8x20	1
320	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated 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

TR



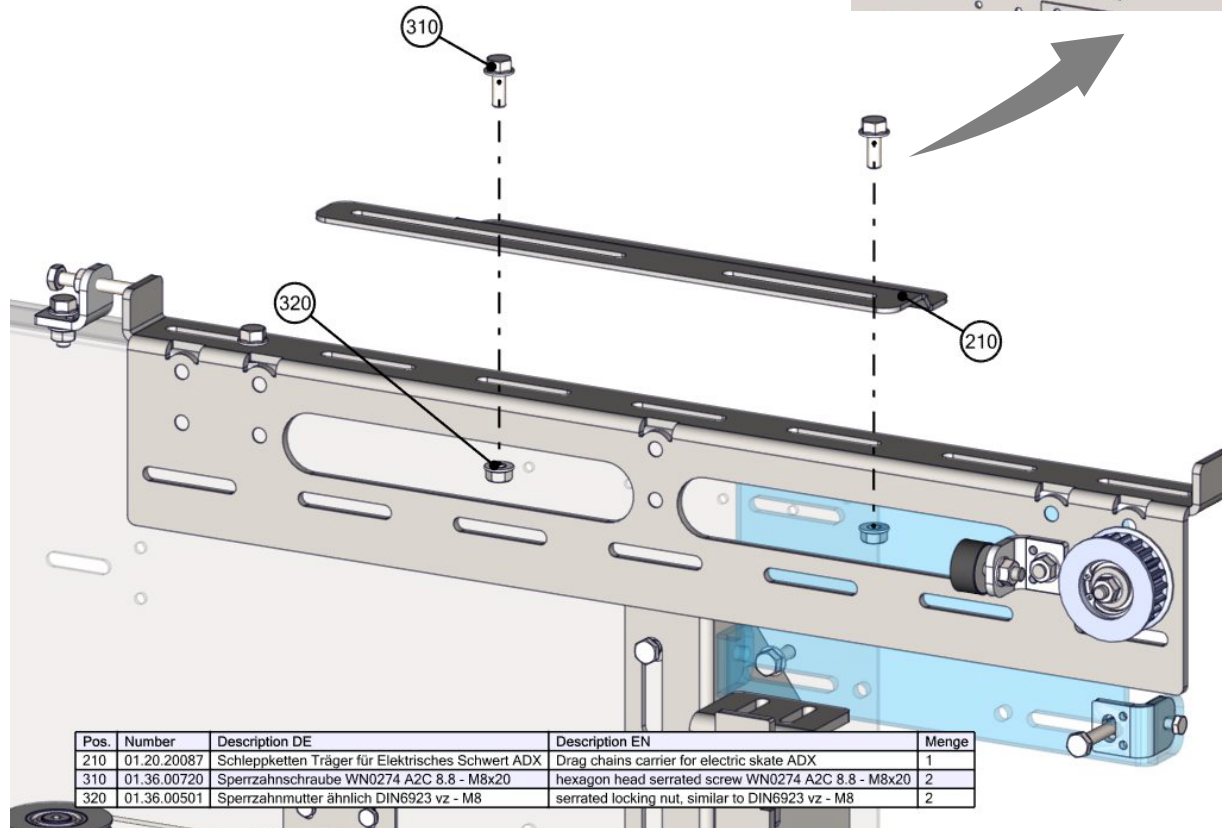
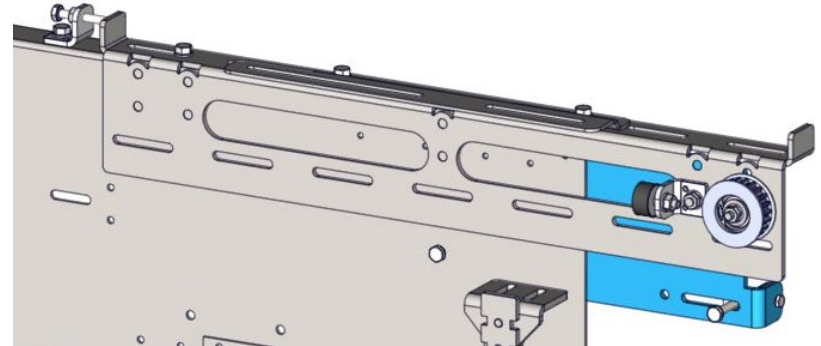
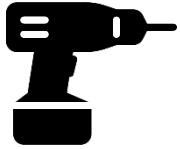
Pos.	Number	Description DE	Description EN	Menge
310	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	1
320	01.36.00720	Sperrzahnschraube WN0274 A2C 8.8 - M8x20	hexagon head serrated screw WN0274 A2C 8.8 - M8x20	1

TR



Pos.	Number	Description DE	Description EN	Menge
210	01.20.59070	Halterung 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	01.36.02120	Sechskantschraube ISO 4017- M8x50-8.8, vz	hexagonal bolt, thread up to head DIN933 vz 8.8 - M8x50	1
330	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	2

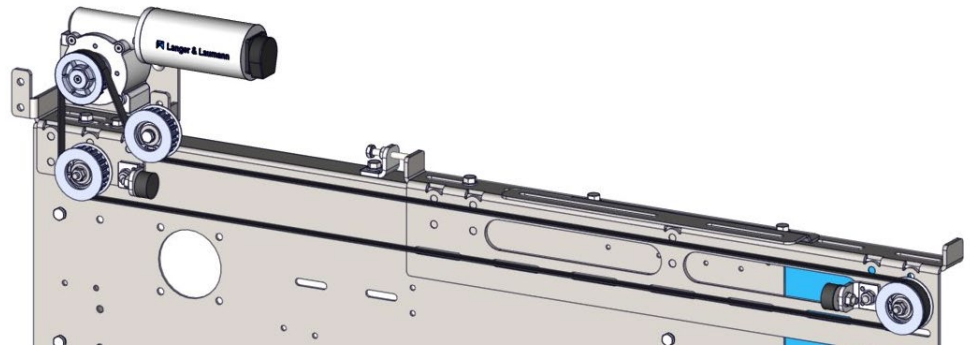
TR



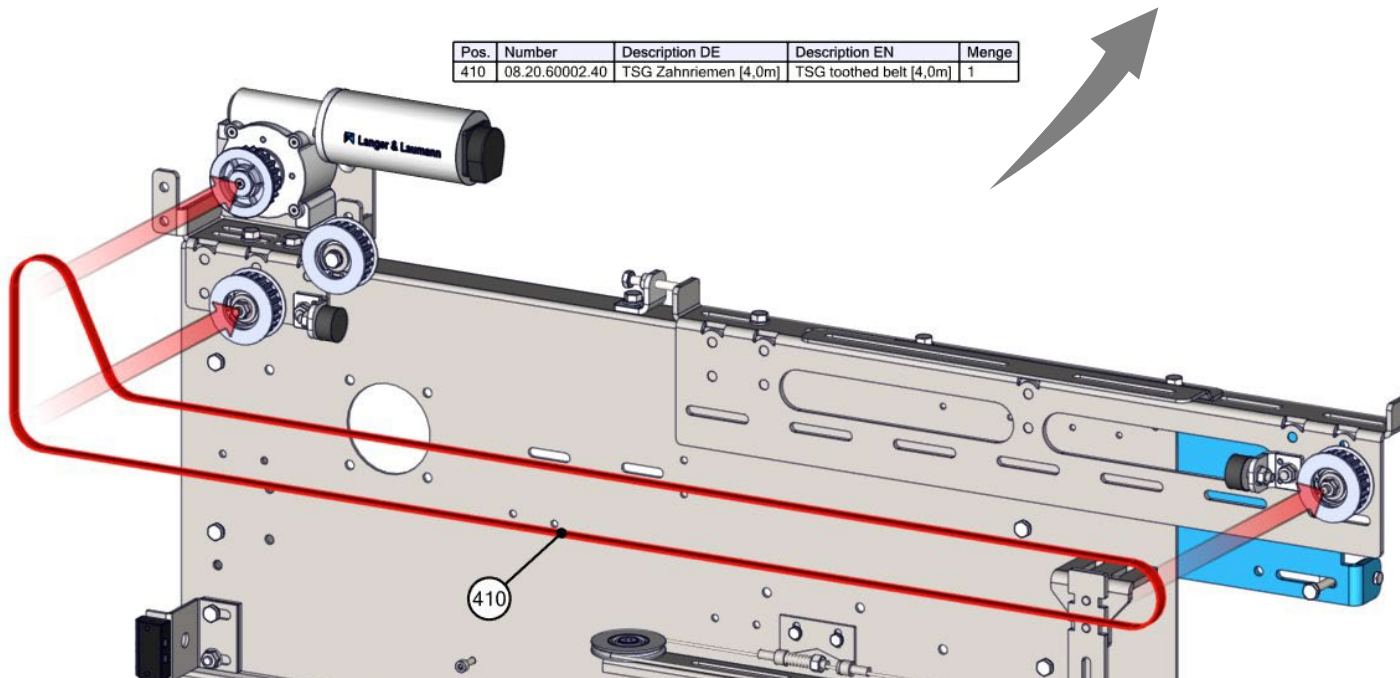
Pos.	Number	Description DE	Description EN	Menge
210	01.20.20087	Schleppketten Träger für Elektrisches Schwert ADX	Drag chains carrier for electric skate ADX	1
310	01.36.00720	Sperrzahnschraube WN0274 A2C 8.8 - M8x20	hexagon head serrated screw WN0274 A2C 8.8 - M8x20	2
320	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	2

TR

Montage Zahnriemen – assembly of the tooth belt

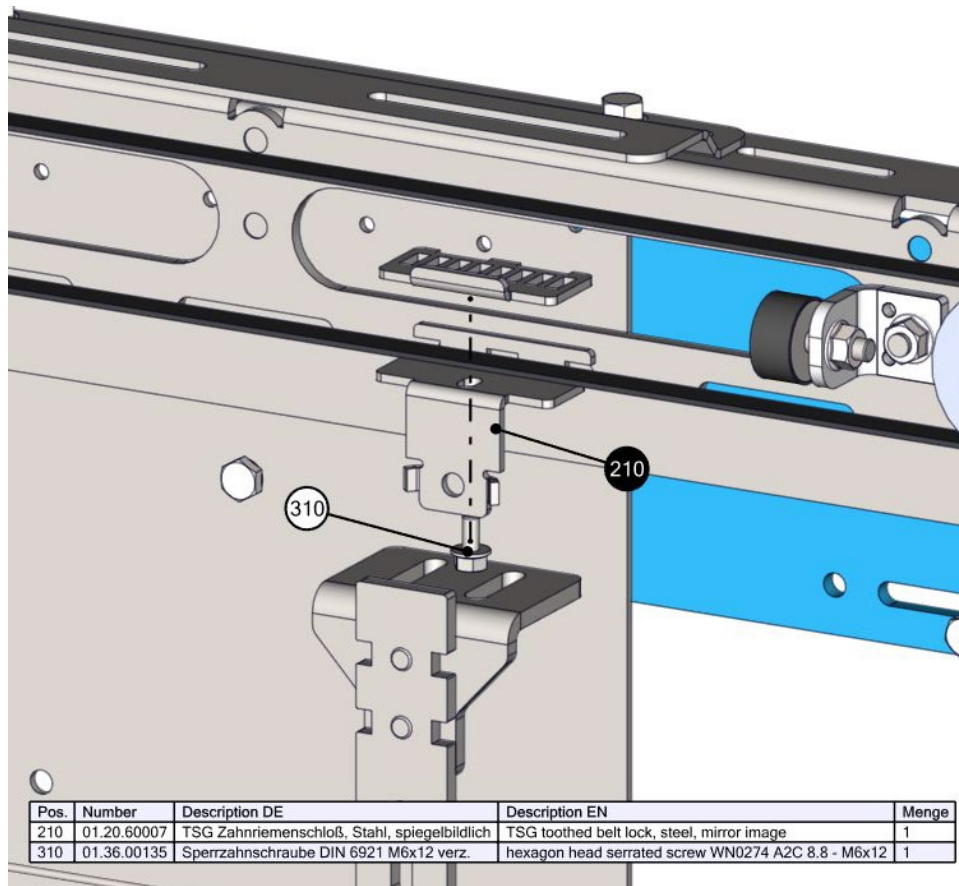


Pos.	Number	Description DE	Description EN	Menge
410	08.20.60002.40	TSG Zahnriemen [4,0m]	TSG toothed belt [4,0m]	1



TR

Montage Zahnriemensschloss – assembly of the tooth belt lock



Pos.	Number	Description DE	Description EN	Menge
210	01.20.60007	TSG Zahnriemenschloß, Stahl, spiegelbildlich	TSG toothed belt lock, steel, mirror image	1
310	01.36.00135	Sperrzahnschraube DIN 6921 M6x12 verz.	hexagon head serrated screw WN0274 A2C 8.8 - M6x12	1

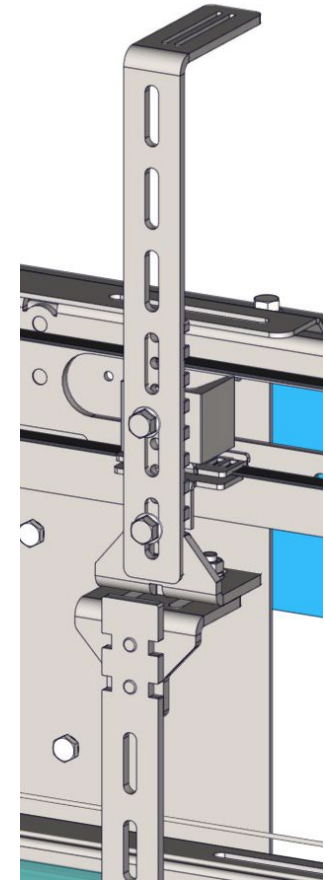
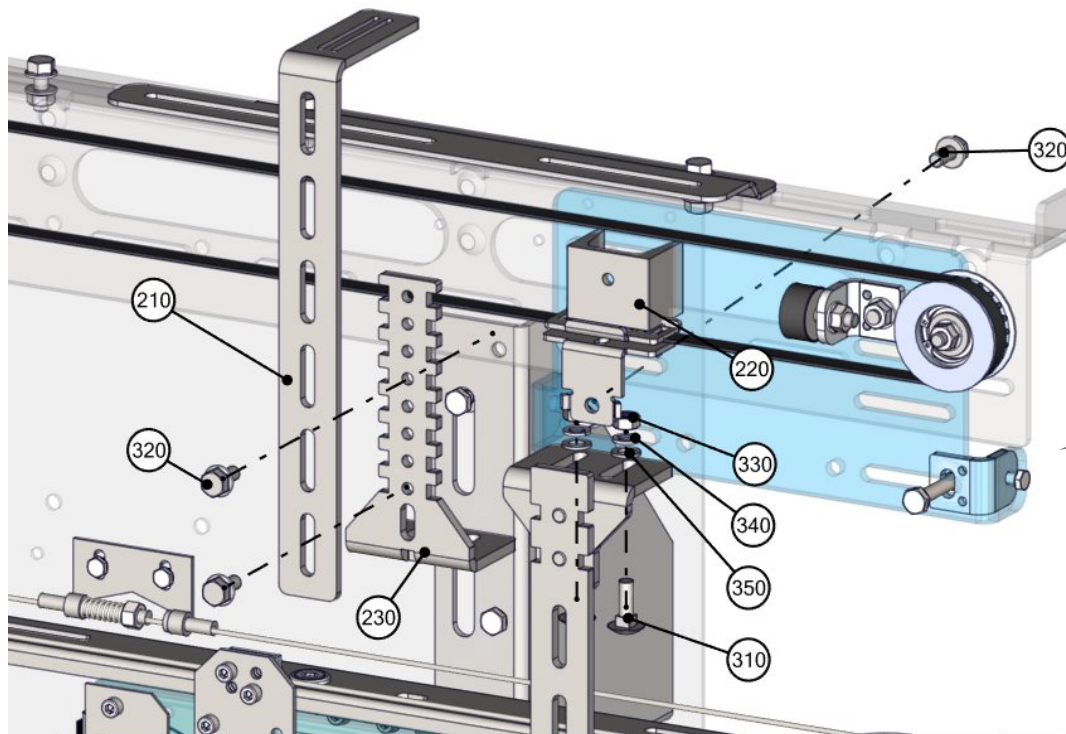
TR

Zahnriemen spannen - tensioning the tooth belt



TR

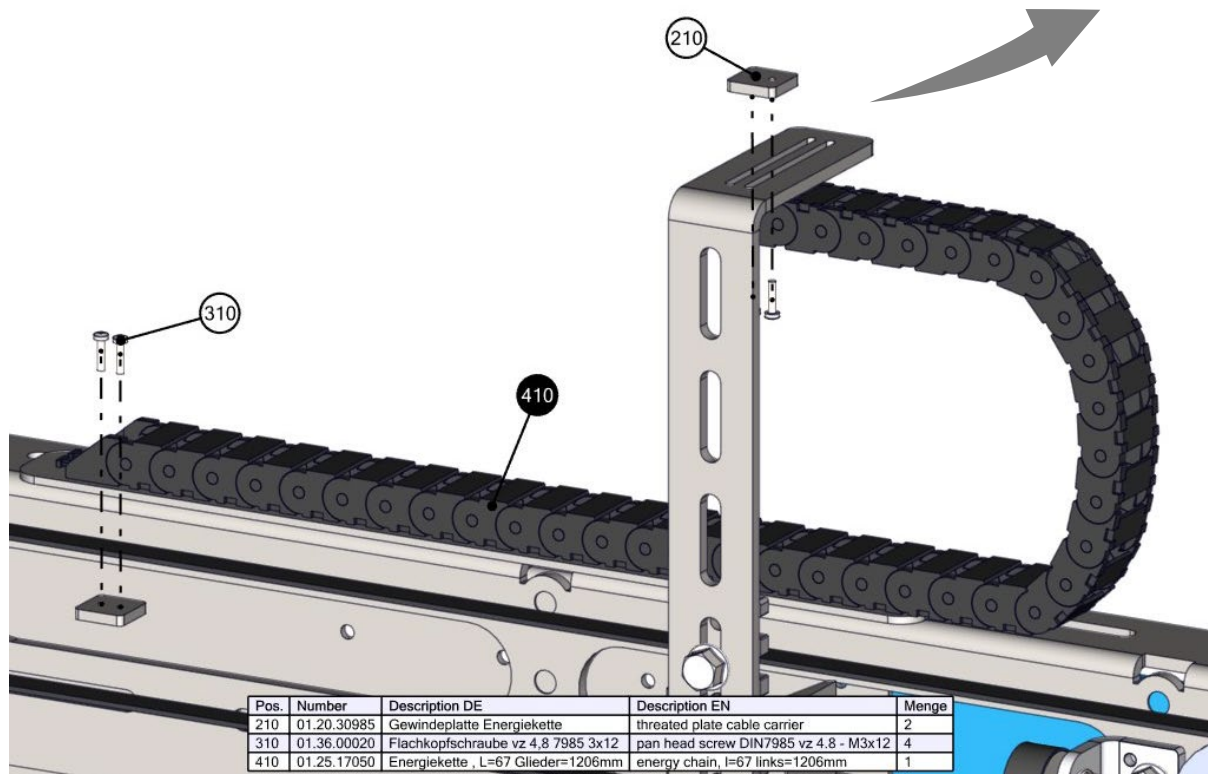
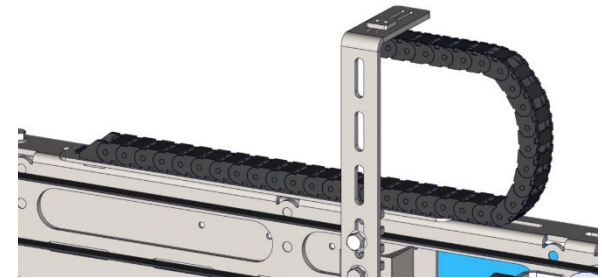
Montage Türflügelmitnehmer – assembly of the door panel coupler



Pos.	Number	Description DE	Description EN	Menge
210	01.20.30984	TSG Türflügelmitnehmer Verlängerung für Energiekette	TSG door leaf carrier extension for energy chain	1
220	01.20.60020 T1	TSG Anschlag für Türflügelmitnehmer	TSG stopper for door coupler	1
230	01.20.92020	Türflügelmitnehmer, rechteckig mit Langlöcher	TSG door panel coupler, rectangular, with oblong holes	1
310	01.36.00520	Flachrundschraube Vierkantansatz, DIN 603, 8x25	truss-head screw with shoulder, DIN 603, 8x25	2
320	01.36.00710	Sperrzahnschraube WN0274 A2C 8.8 - M8x16	hexagon head serrated screw WN0274 A2C 8.8 - M8x16	3
330	01.36.00430	Sechskantmutter ISO 4032 - M8 - 8,vz	hexagon nut DIN934-8 vz 8.8 - M8	2
340	01.36.00169	Federring DIN127 vz - M8	lock washer DIN127 vz - M8	2
350	01.36.00440	Scheibe ISO 7091-M8 (Ø9)-100HV (DIN126),vz	washer DIN125A vz - 8,4	2

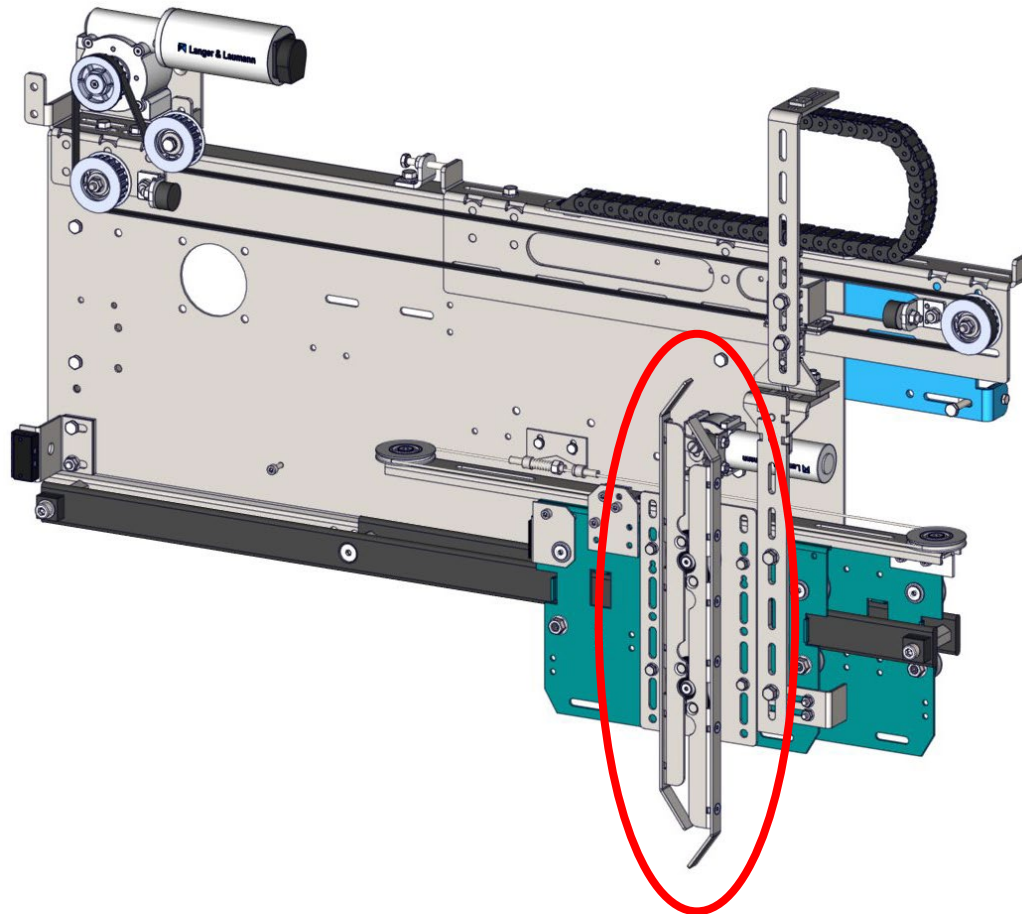
TR

Optional: Montage Energiekette – optionally: assembly of the energy chain

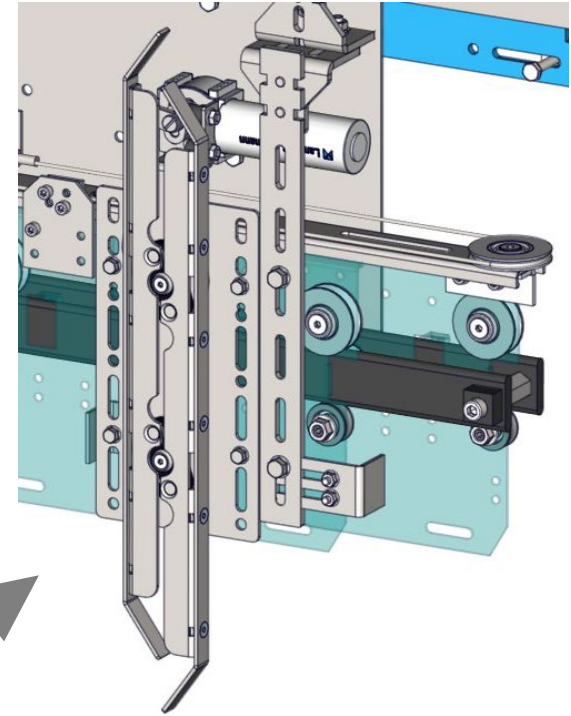
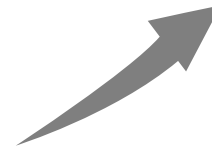
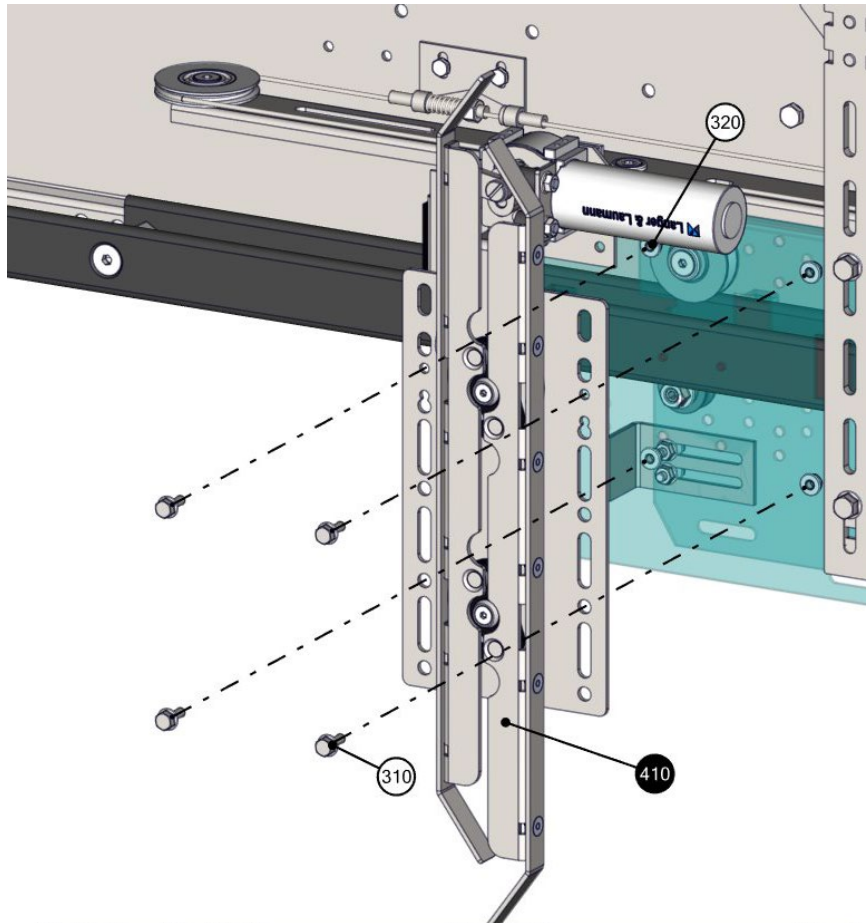
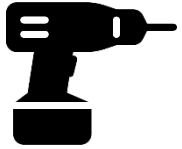


TR

Optional: Montage E-Schwert – optionally: assembly of the electric skate

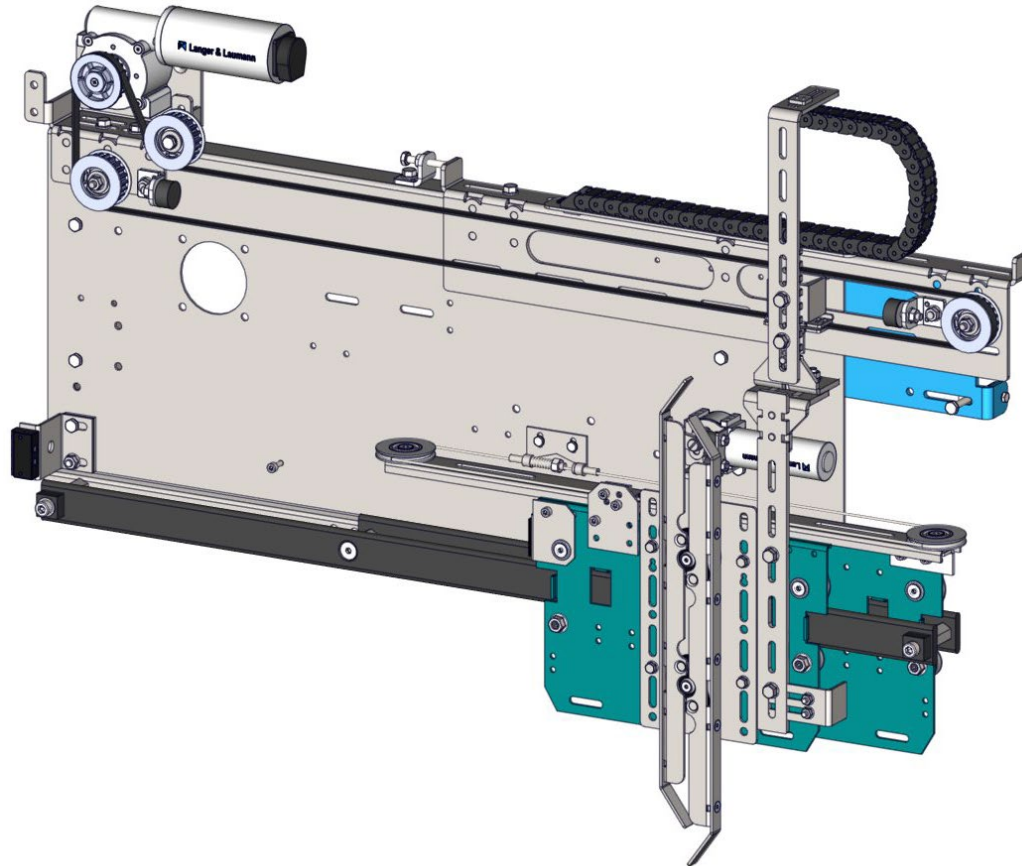


TR



TR

Pos.	Number	Description DE	Description EN	Menge
310	01.36.00138	Sperrzahnschraube WN0274 A2C 8.8 - M6x16	hexagon head serrated screw WN0274 A2C 8.8 - M6x16	4
320	01.36.00502	Sperrzahnmutter, ähnlich DIN6923 vz - M6	ribbed nuts, similar to DIN6923 vz - M6	4
410	08.20.20090	Elektrisches Schwert für 3201, TL	electric skate for 3201	1



TR



Langer & Laumann Ingenieurbüro GmbH
Wilmsberger Weg 8
48565 Steinfurt
Germany

Tel.: +49 (2552) 92791 0

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