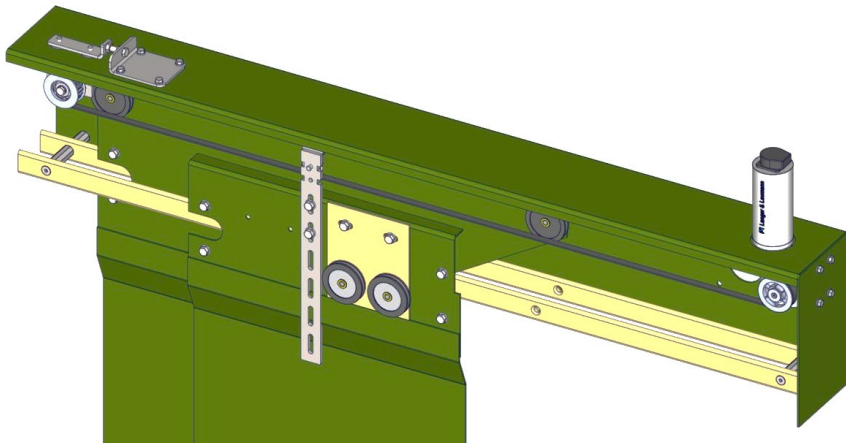


Montageanleitung **Assembly Instruction**

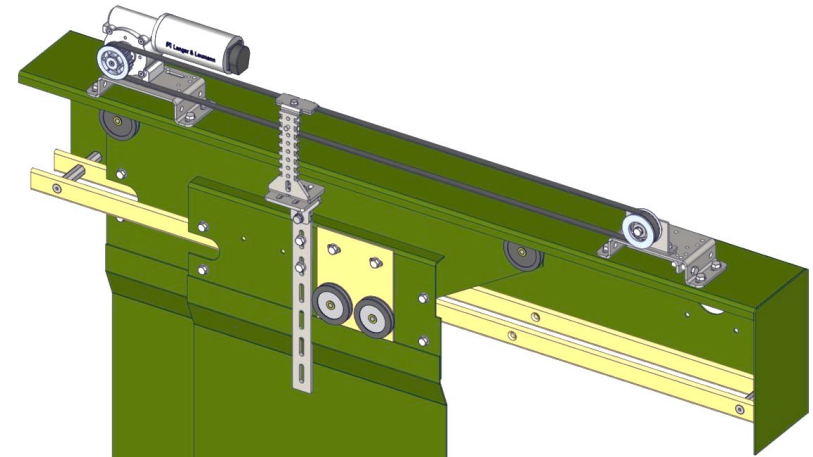
TSG in Starlift Typ 3 **TSG in Starlift type 3**

TSG in Starlift Typ 3 – **TSG in Starlift type 3**



Montagevariante 1 – **assembly variant 1**

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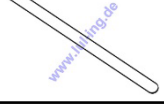


Montagevariante 2 – **assembly variant 2**

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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.K1	Motor Gross Rechts/Links Getriebe, 24V/5,1A/1:15	motor large right/left & gearbox, 24V/5,1A/1:15	1
	1.20.60060	TSG Kombiwinkel, Ausführung 'Hut', für TSG Motor oder Umlenkrad	TSG universal bracket, version 'hat', for TSG motor or counter roller	2
	8.20.10010	TSG Beschlagsatz für Umbau, im Karton	TSG brackets for conversion, in carton	1
	1.20.60004	TSG Türflügelmitnehmer	TSG door panel coupler	1
	8.20.11010	TSG Türflügelmitnehmer rechtwinkelig	TSG door panel coupler, right angled	1
	8.20.11070	TSG Spannwinkel breit für Umlenkradeinheit (inkl. Schrauben)	TSG tension bracket for system TSG counter roller	1
	8.20.60002.40	TSG Zahnriemen [4,0m]	TSG toothed belt [4,0m]	1

Vor Umbau – before conversion

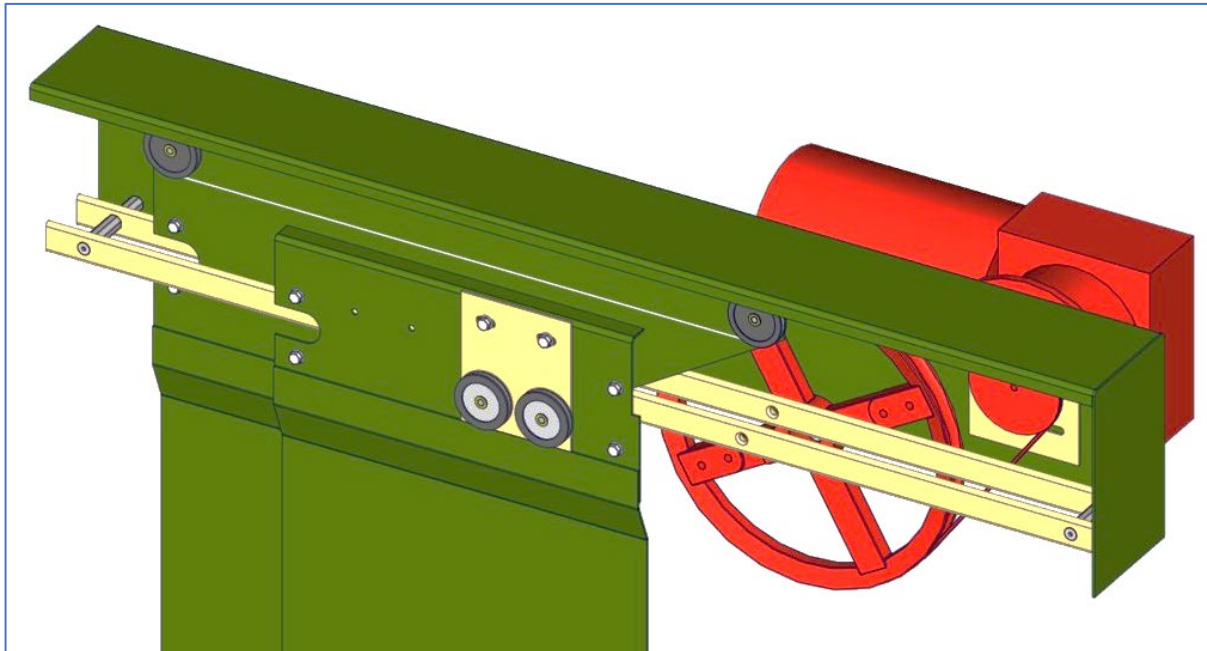
TL



TR spiegelbildlich –
TR mirrored

Vor Umbau entfernen –
remove before conversion

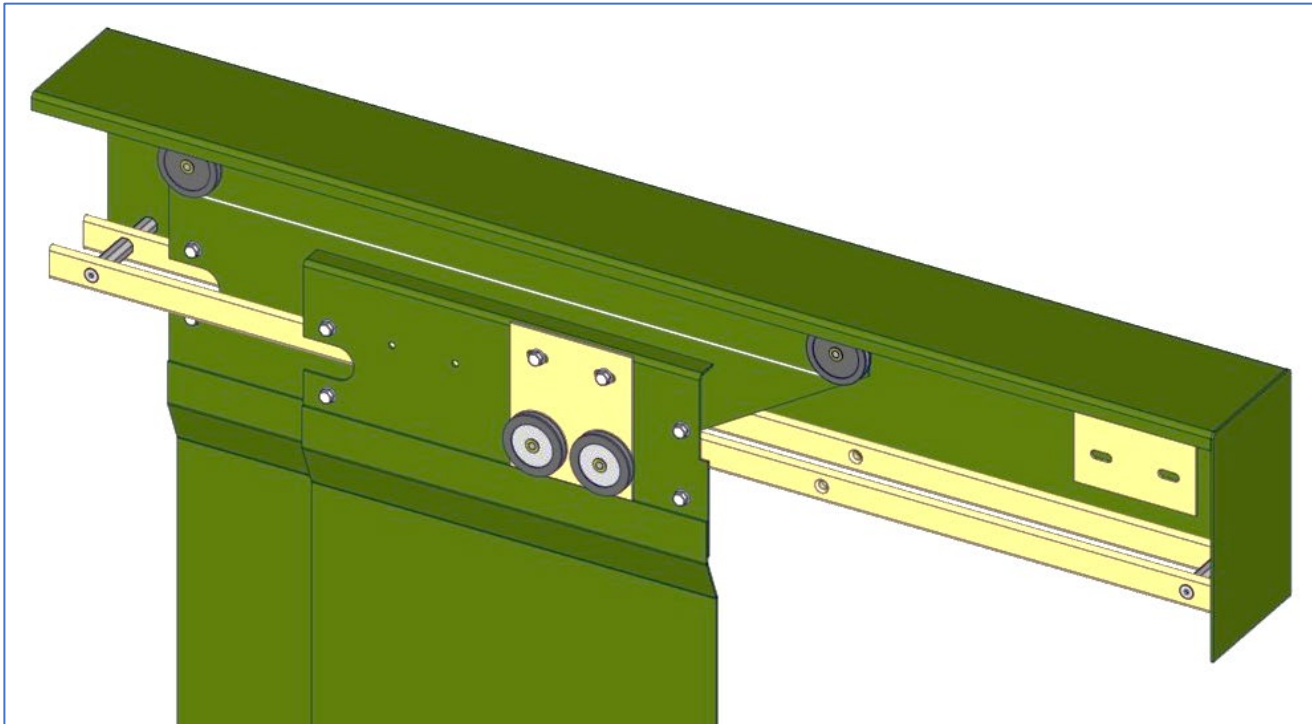
TL



TR spiegelbildlich –
TR mirrored

Nach Demontage – after disassembly

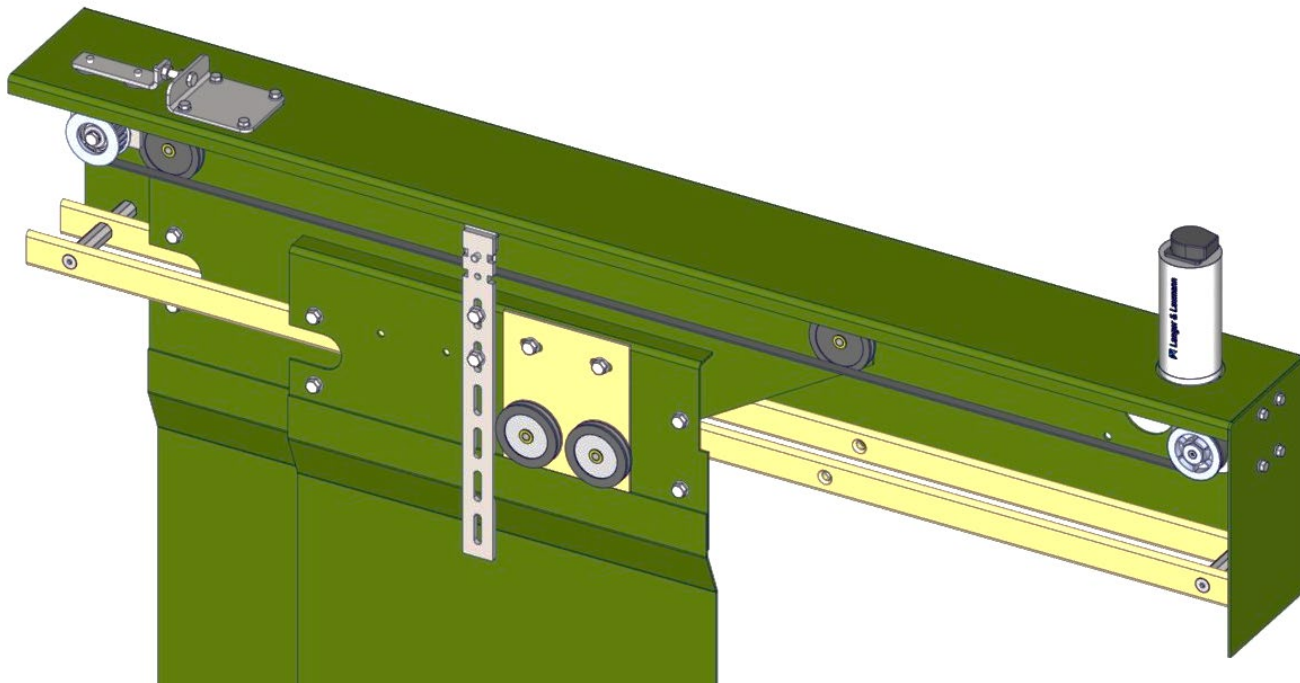
TL



TR spiegelbildlich –
TR mirrored

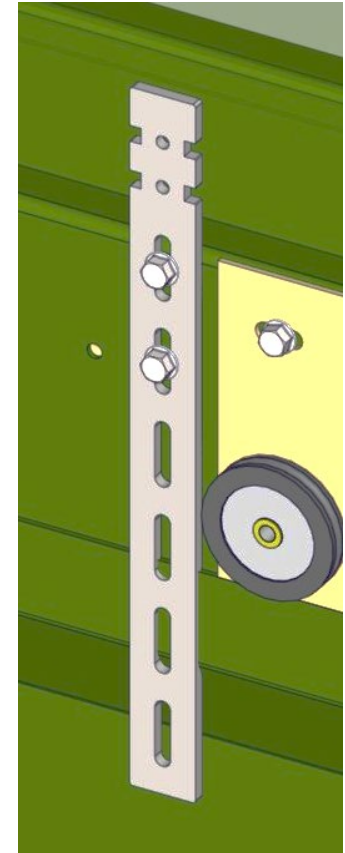
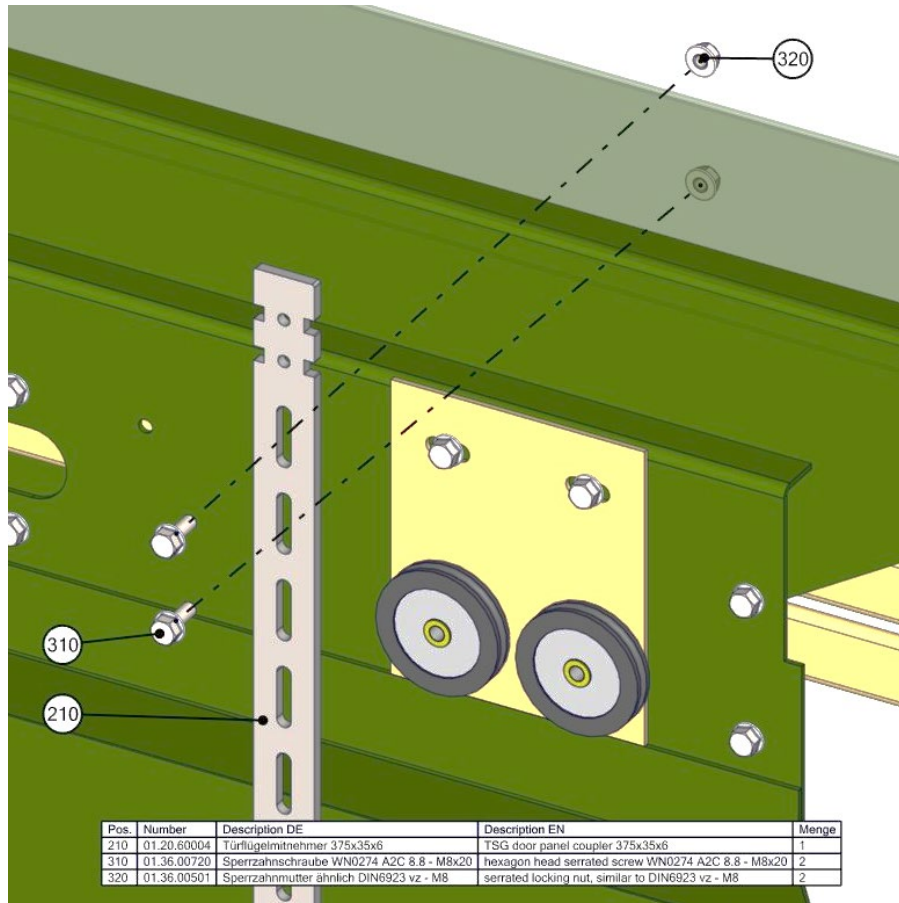
Montagevariante 1 – assembly variant 1

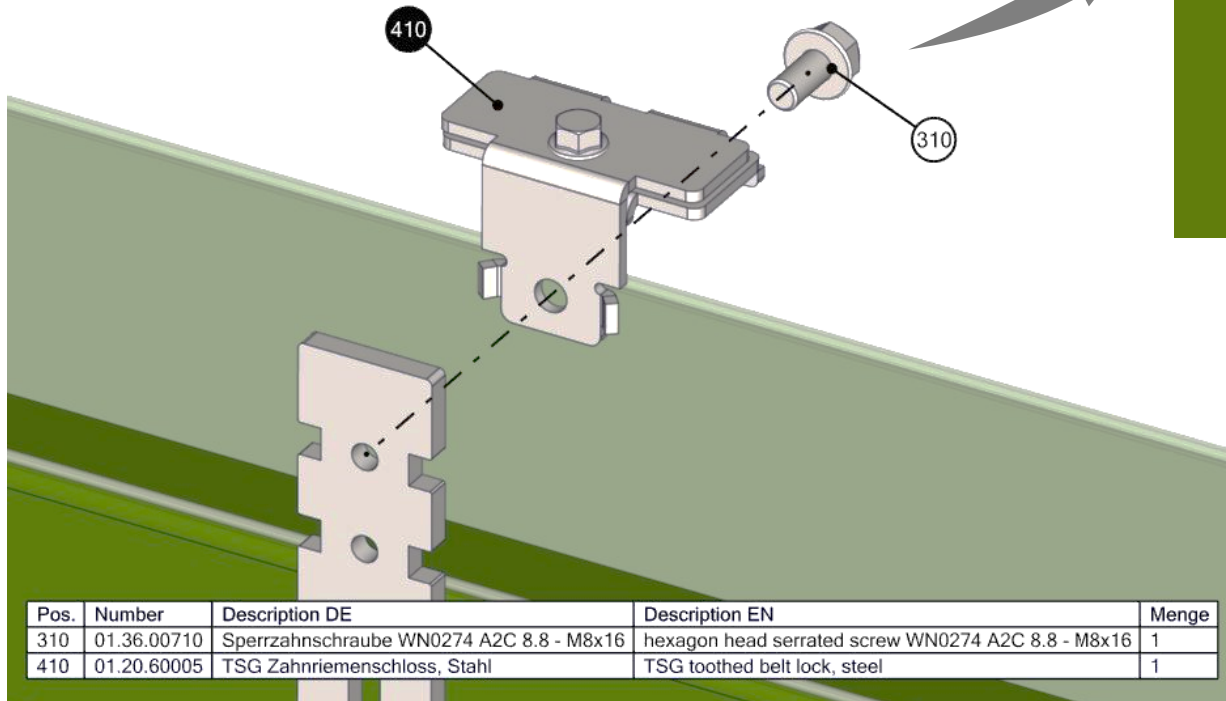
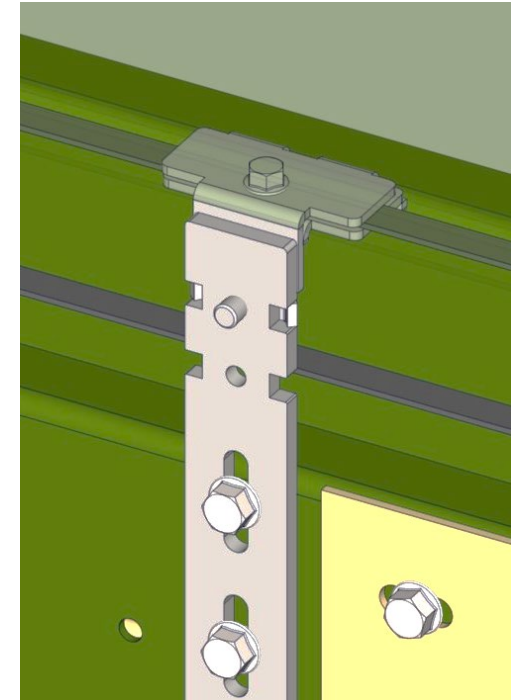
TL



TR spiegelbildlich –
TR mirrored

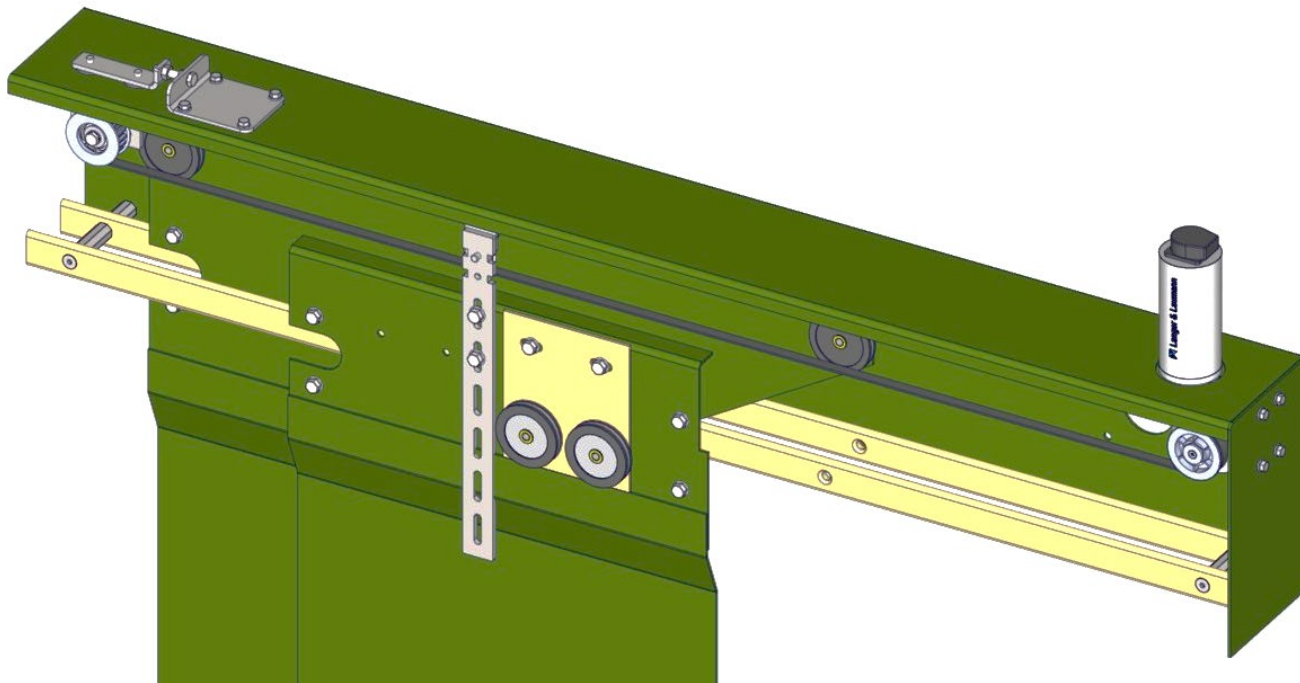
Montage Türflügelmitnehmer – assembly of the door panel coupler



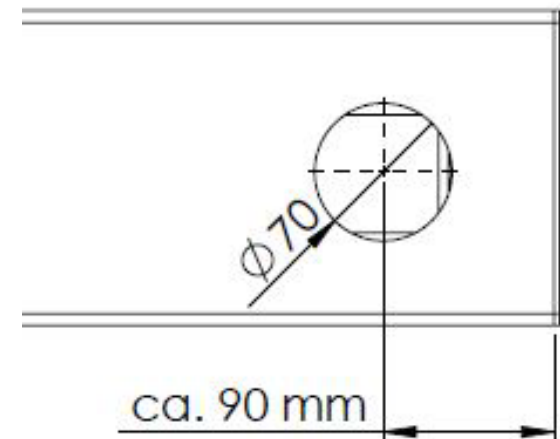
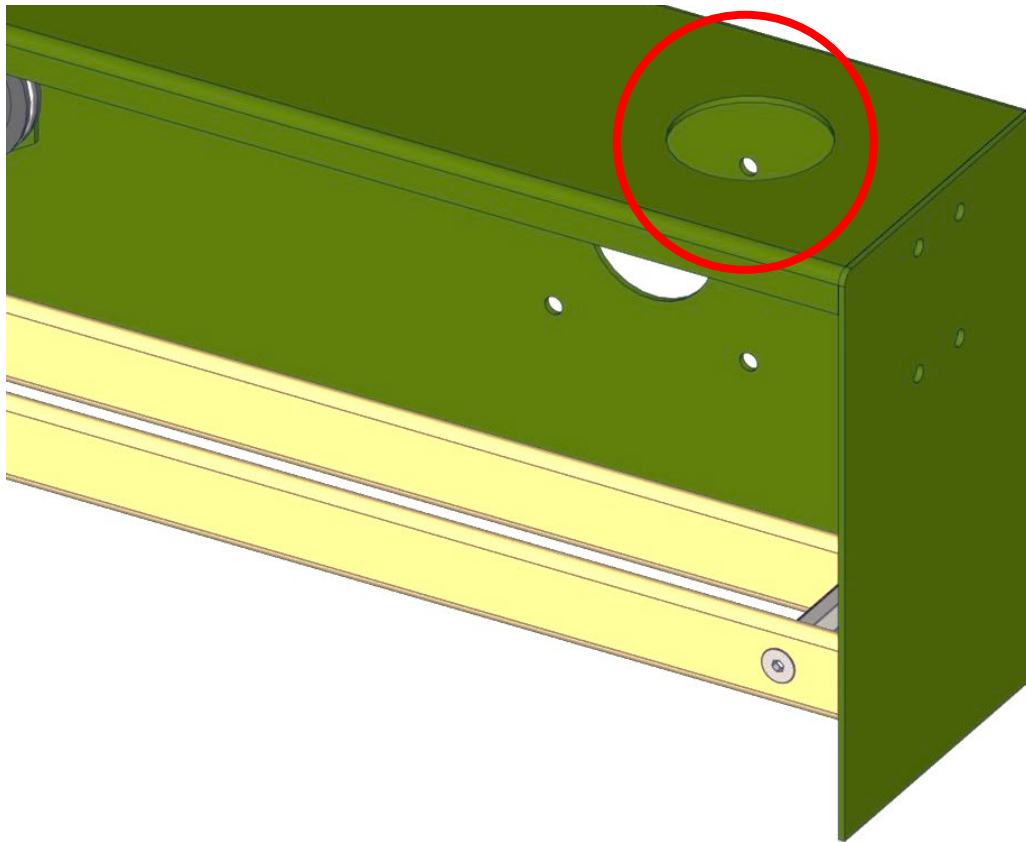
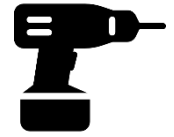


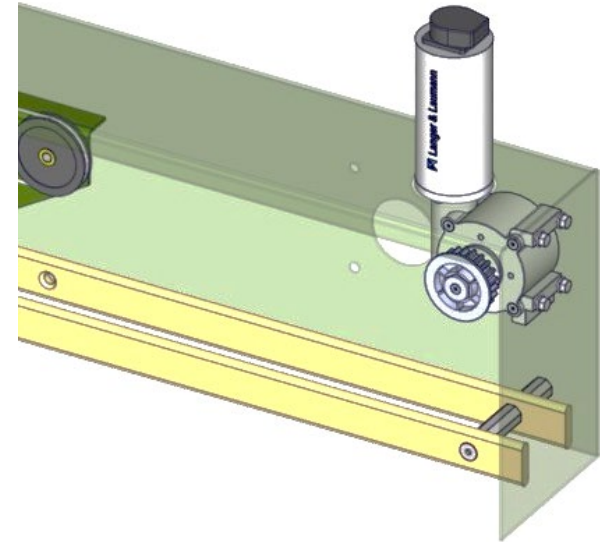
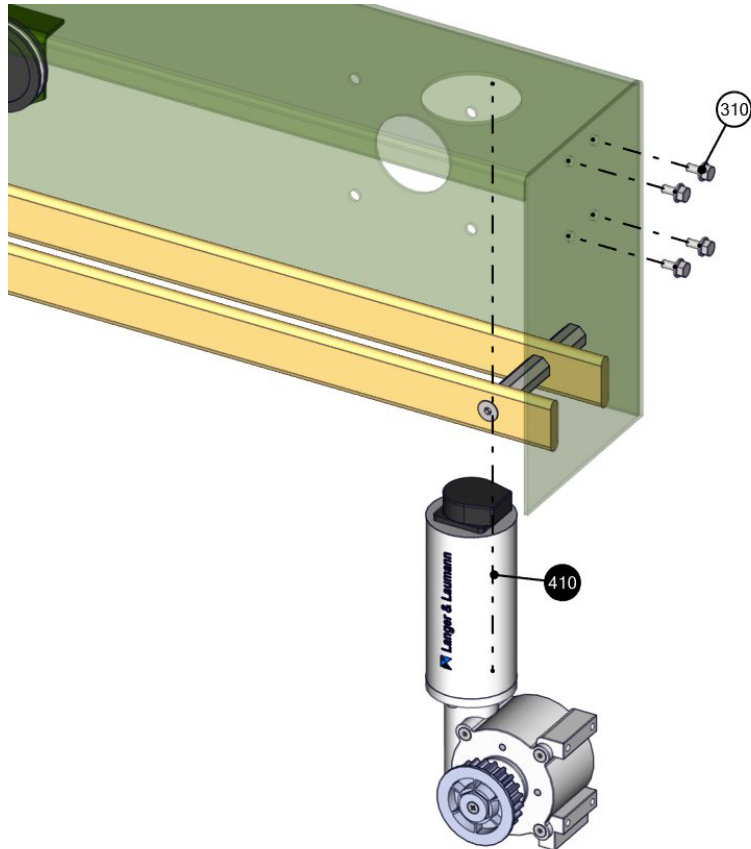
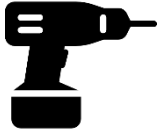
Pos.	Number	Description DE	Description EN	Menge
310	01.36.00710	Sperrzahnschraube WN0274 A2C 8.8 - M8x16	hexagon head serrated screw WN0274 A2C 8.8 - M8x16	1
410	01.20.60005	TSG Zahnriemenschluss, Stahl	TSG toothed belt lock, steel	1

Montage TSG – assembly of the TSG



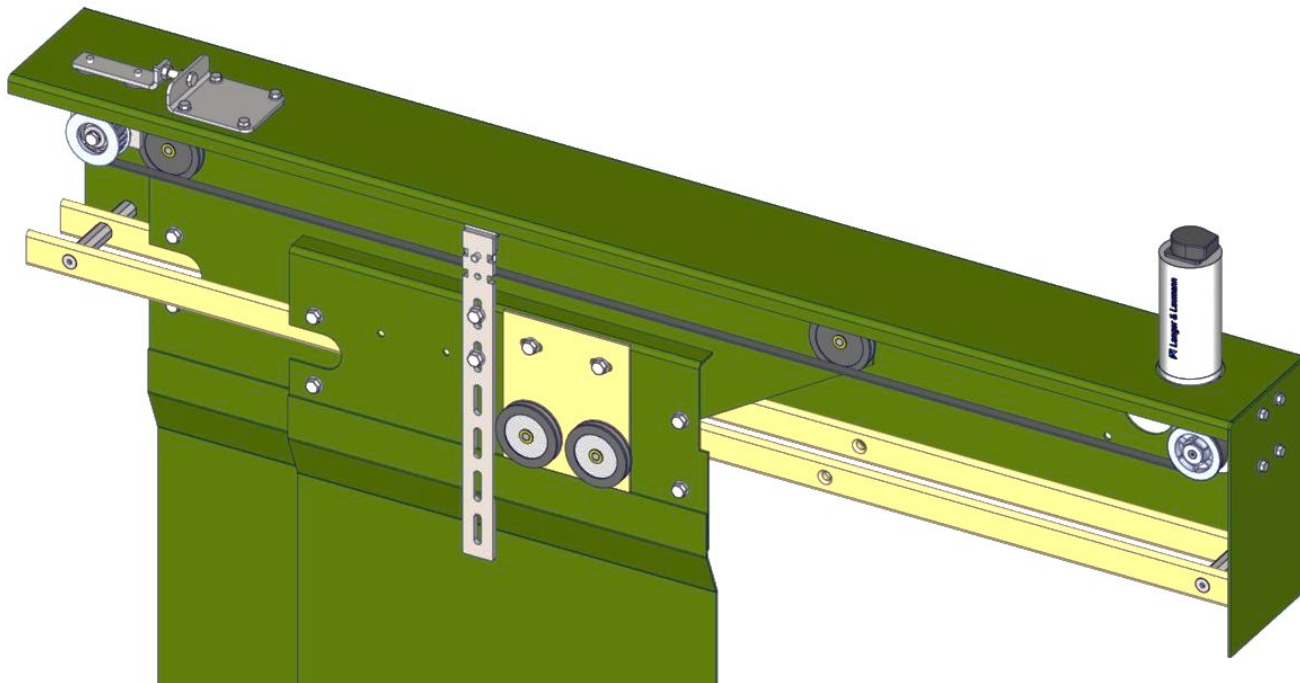
Bohrung für Motor einbringen, min. Ø 70 mm –
drill hole for the motor, min. Ø 70 mm

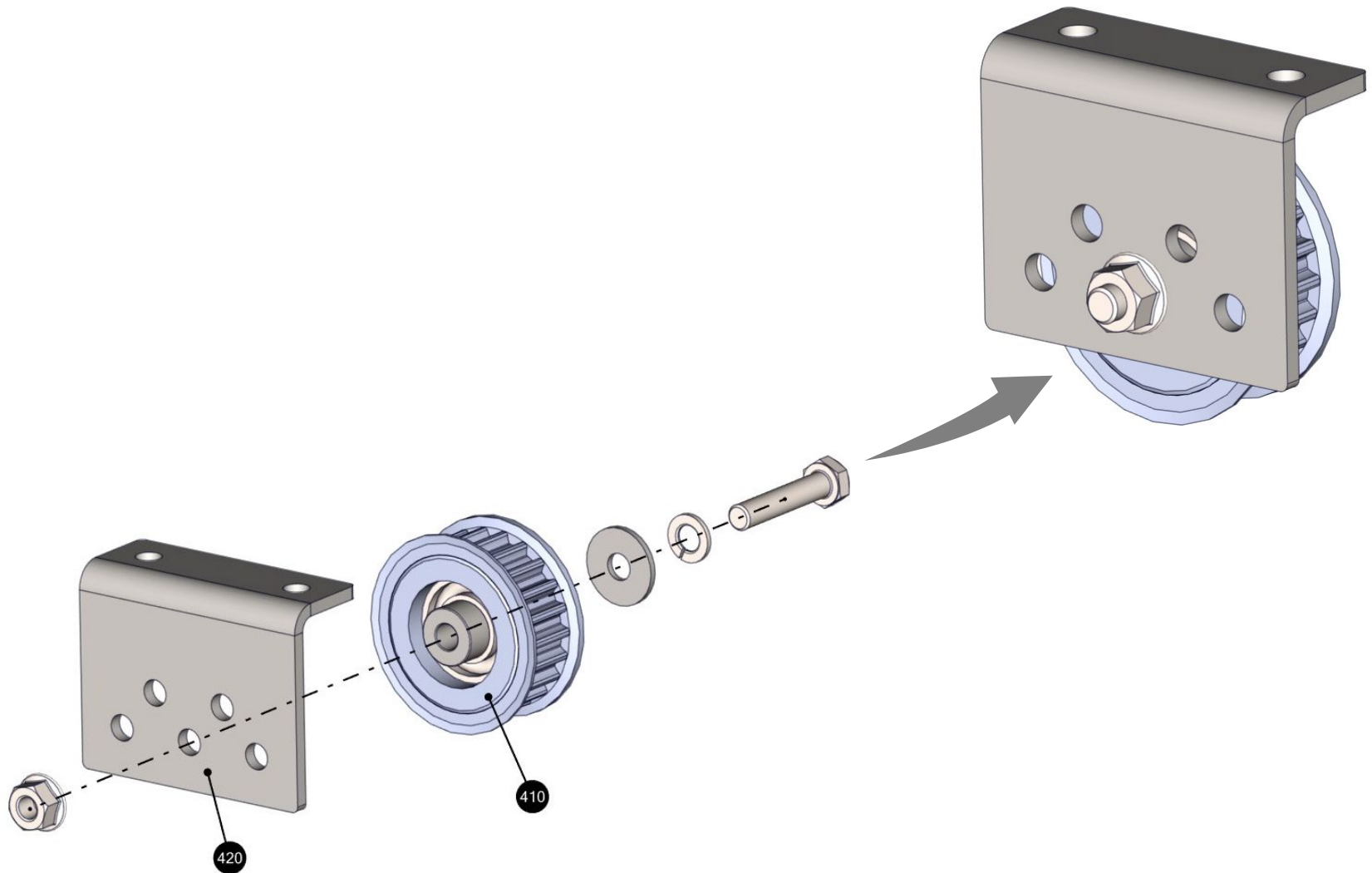




Pos.	Number	Description DE	Description EN	Menge
310	01.36.00135	Sperrzahnschraube DIN 6921 M6x12 verz.	hexagon head serrated screw WN0274 A2C 8.8 - M6x12	4
410	08.20.40001.K1	Motor Gross Rechts Getriebe, 24V/5,1A/1:15	Motor Large Right & Gearbox, 24V/5,1A/1:15	1

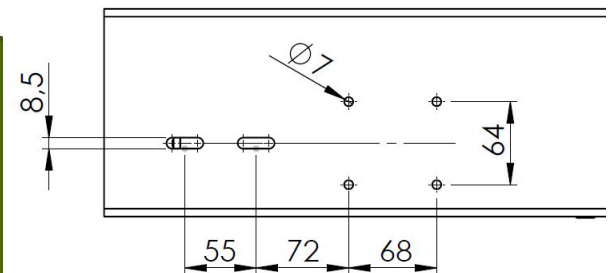
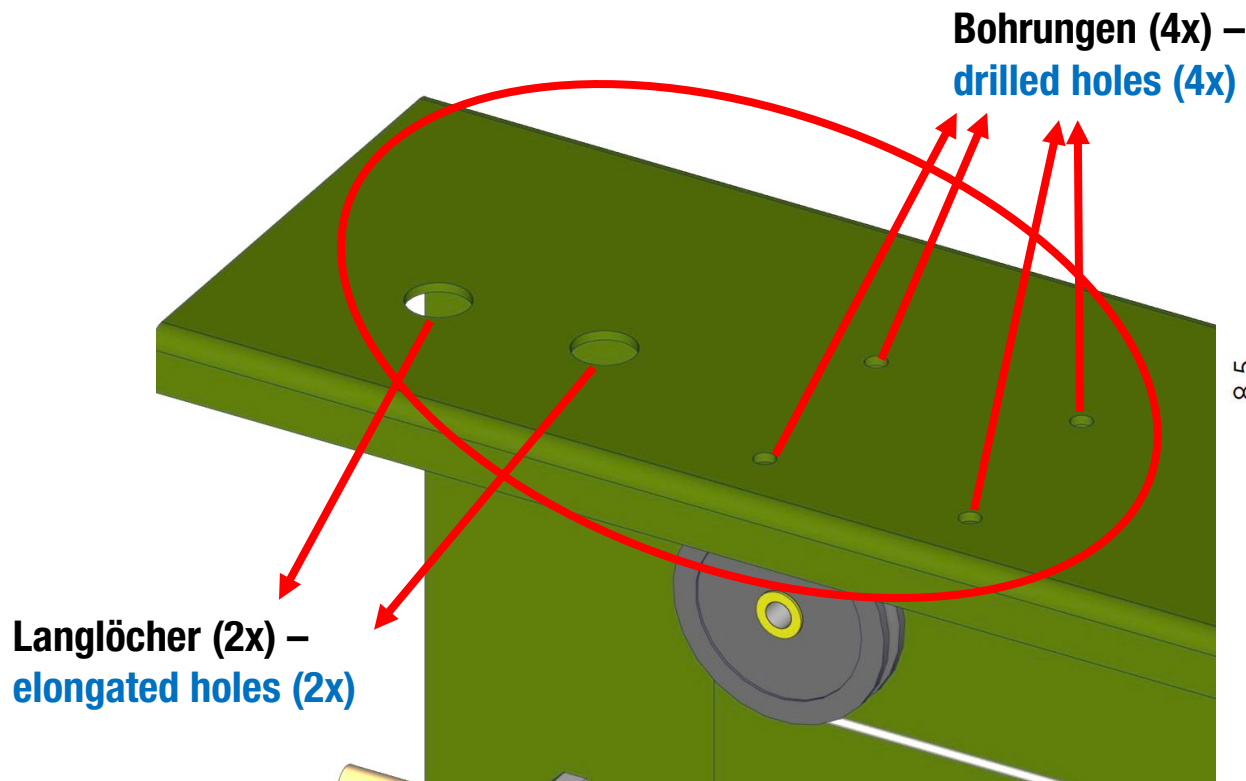
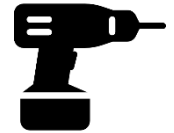
Montage Umlenkrolle – assembly of the counter roller

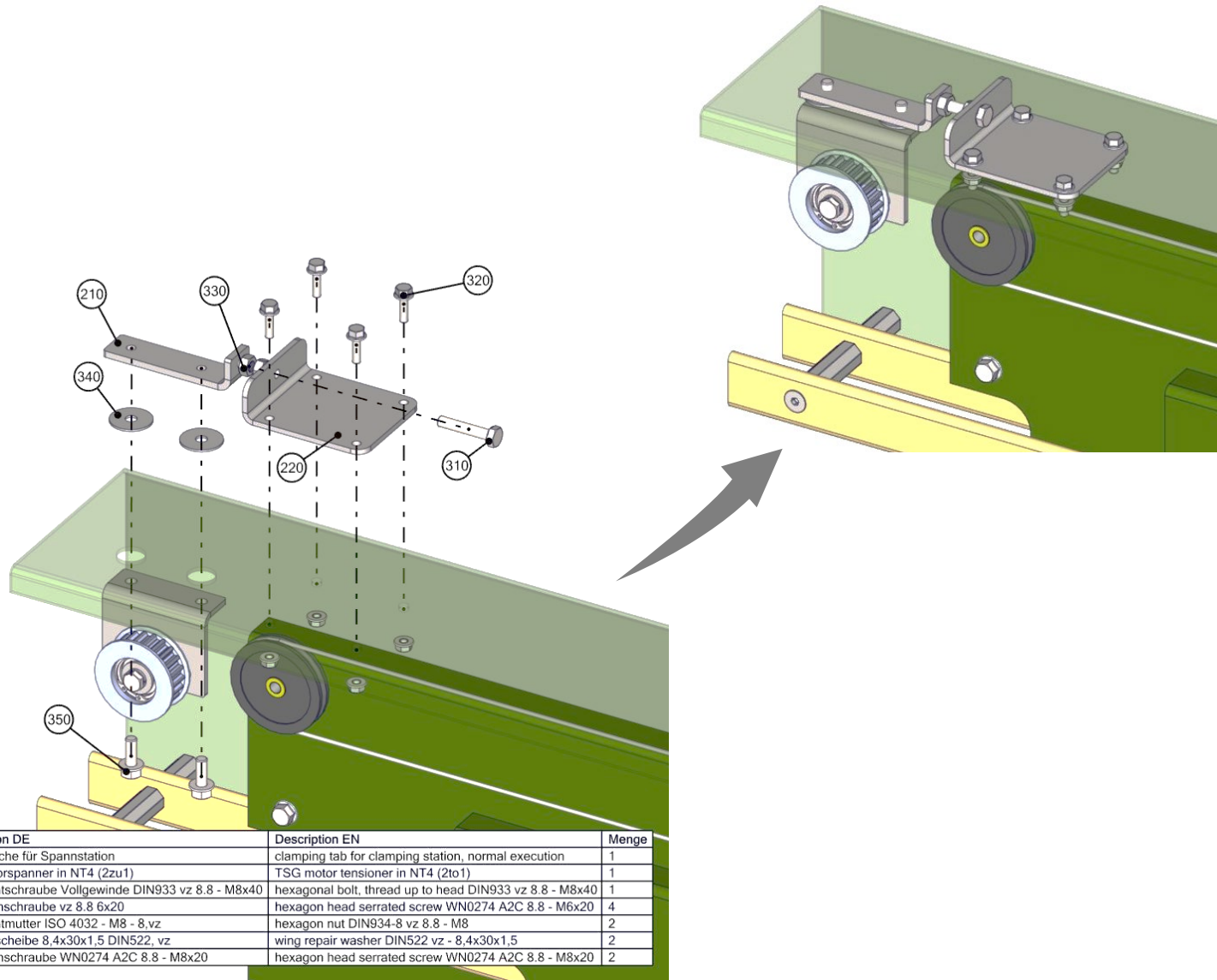
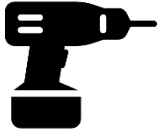




Pos.	Number	Description DE	Description EN	Menge
410	01.20.60003	Tüte Umlenkrolle	Tüte Umlenkrolle	1
420	01.20.60013	Halterung Umlenkrolle mit Spannlasche	TSG bracket for counter roller	1

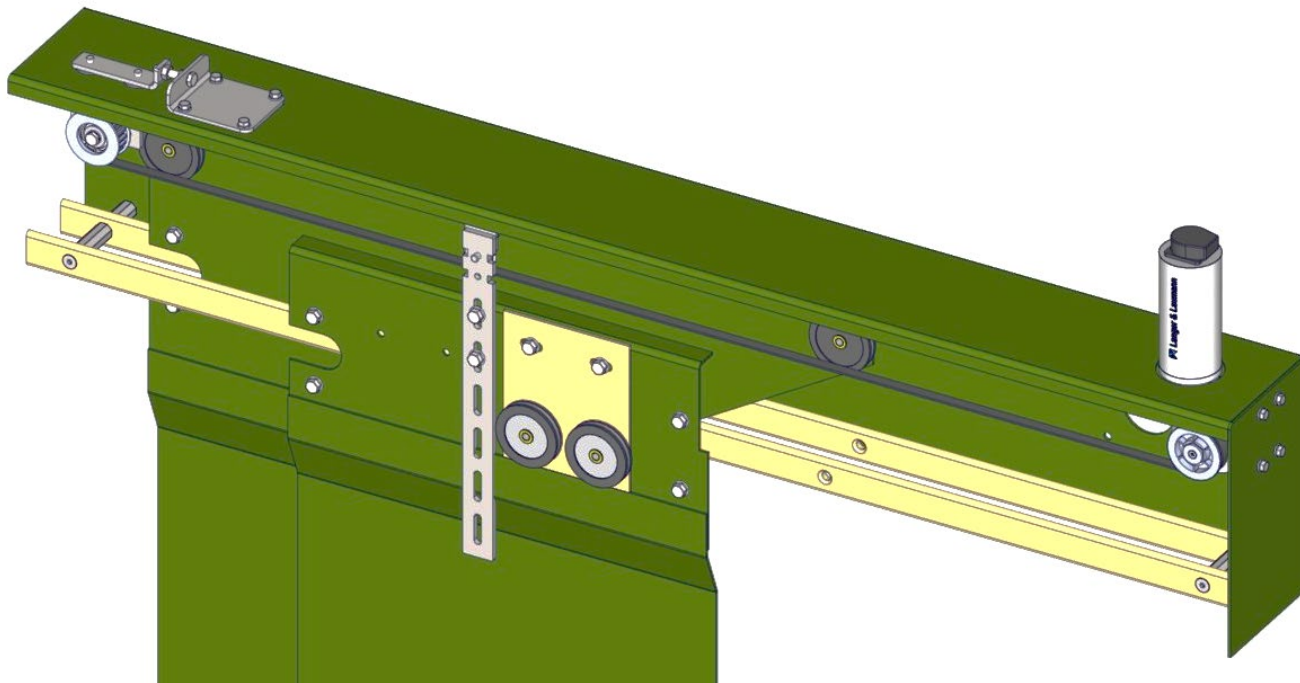
Bohrungen für Motorspanner und Langlöcher für Spannlasche einbringen – drill holes for the motor tensioner and elongated holes for the clamping tab

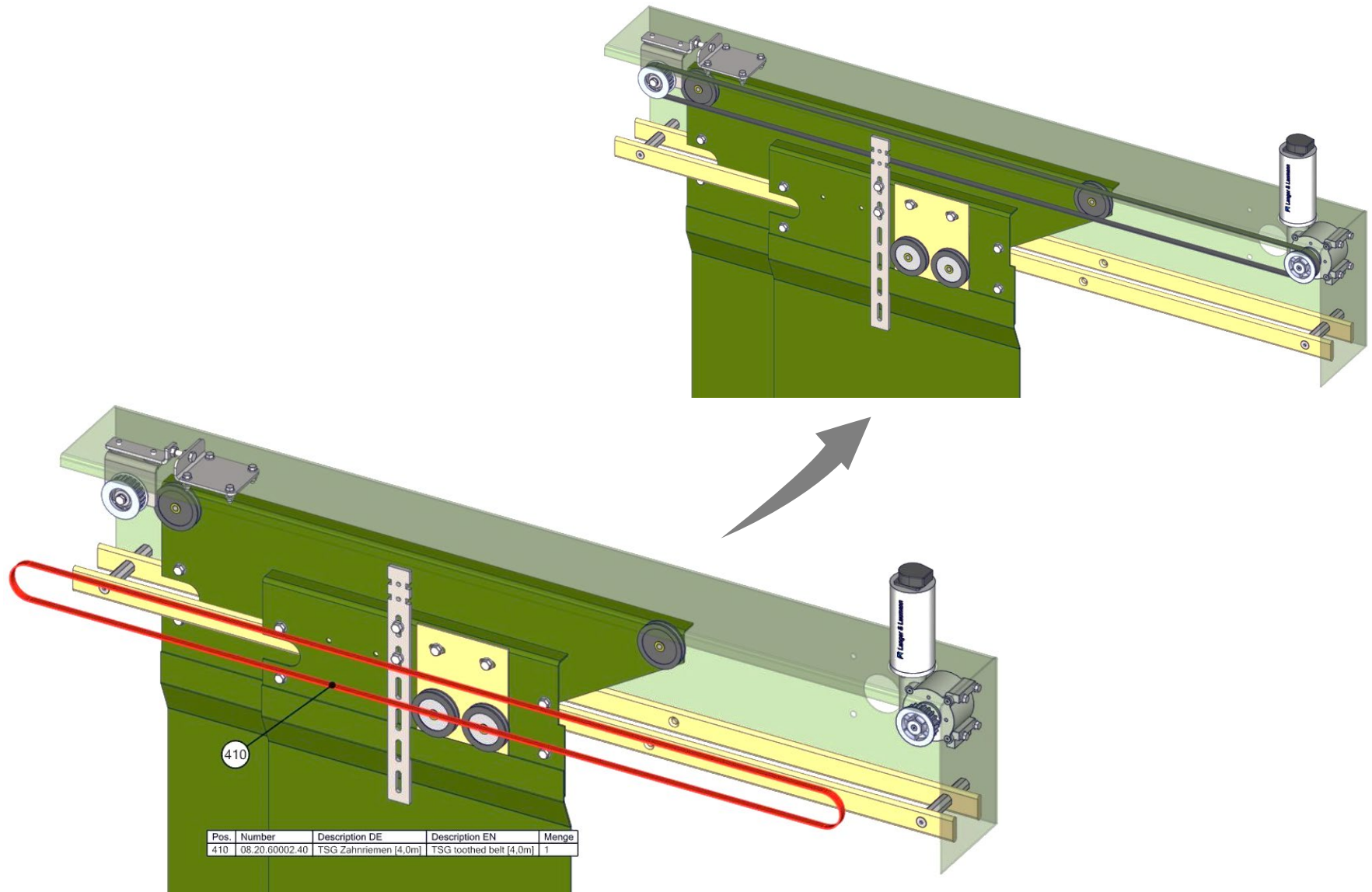


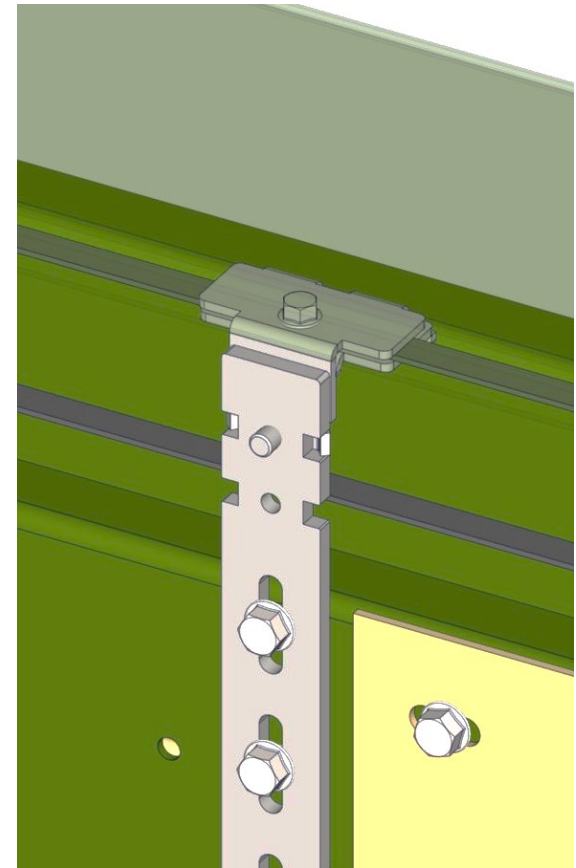
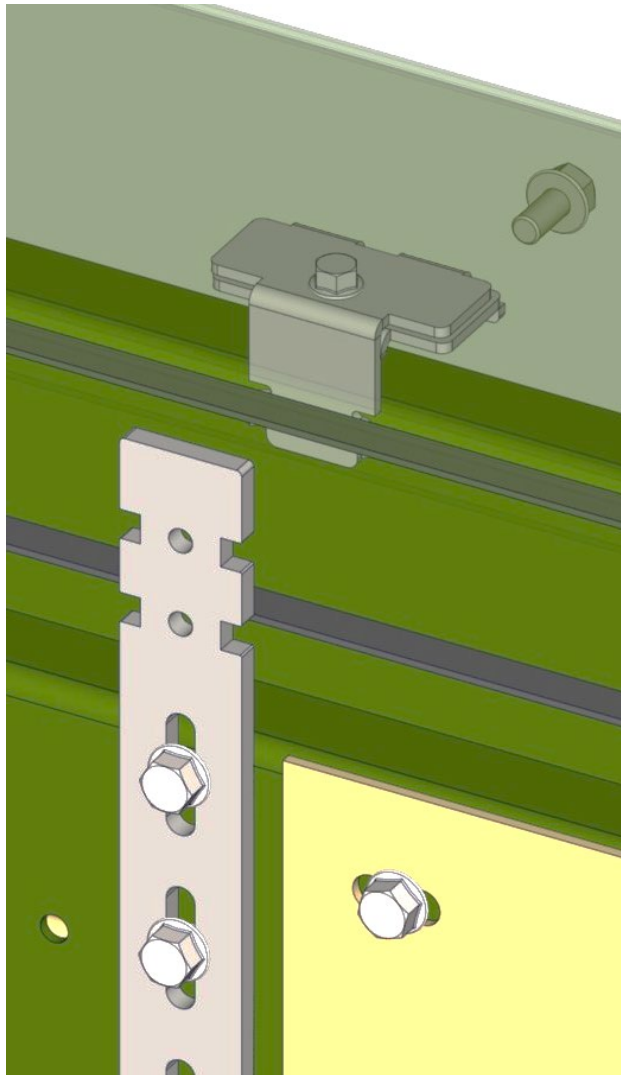


Pos.	Number	Description DE	Description EN	Menge
210	01.20.60110	Spannlasche für Spannstation	clamping tab for clamping station, normal execution	1
220	01.20.96100	TSG Motorspanner in NT4 (2zu1)	TSG motor tensioner in NT4 (2to1)	1
310	01.36.00115	Sechskantschraube Vollgewinde DIN933 vz 8.8 - M8x40	hexagonal bolt, thread up to head DIN933 vz 8.8 - M8x40	1
320	01.36.00137	Sperrzahnschraube vz 8.8 6x20	hexagon head serrated screw WN0274 A2C 8.8 - M6x20	4
330	01.36.00430	Sechskantmutter ISO 4032 - M8 - 8.vz	hexagon nut DIN934-8 vz 8.8 - M8	2
340	01.36.00453	Kotflügelscheibe 8.4x30x1,5 DIN522, vz	wing repair washer DIN522 vz - 8.4x30x1,5	2
350	01.36.00720	Sperrzahnschraube WN0274 A2C 8.8 - M8x20	hexagon head serrated screw WN0274 A2C 8.8 - M8x20	2

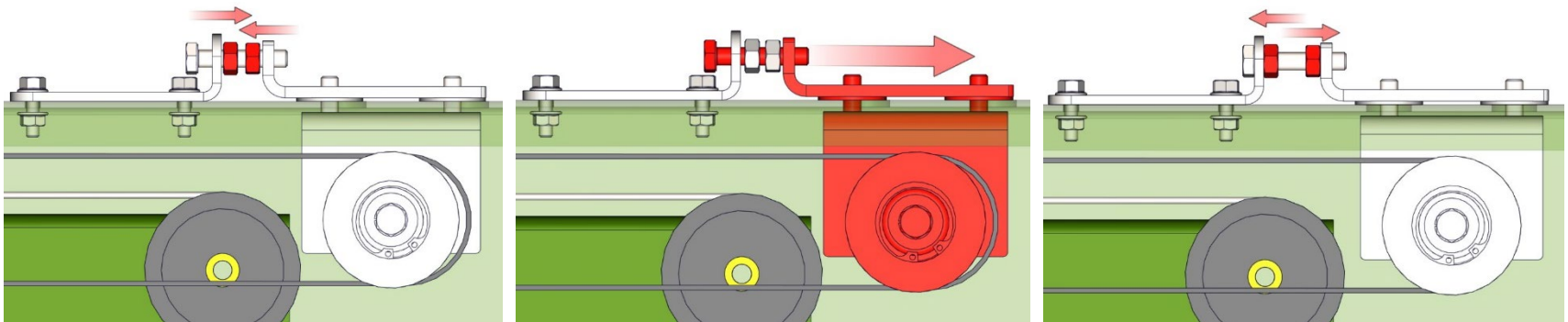
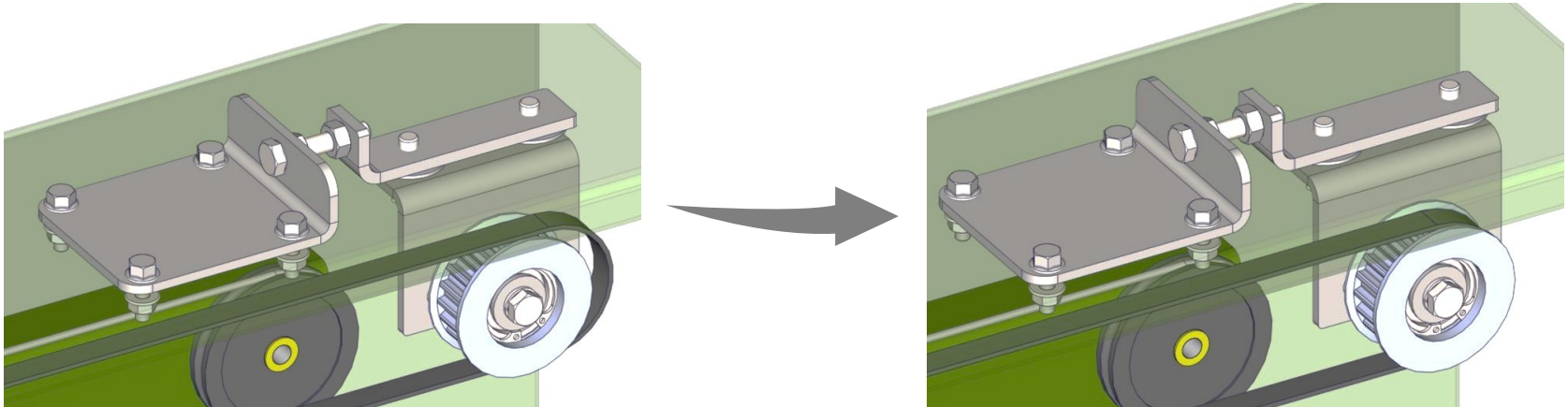
Montage Zahnriemen – assembly of the toothed belt

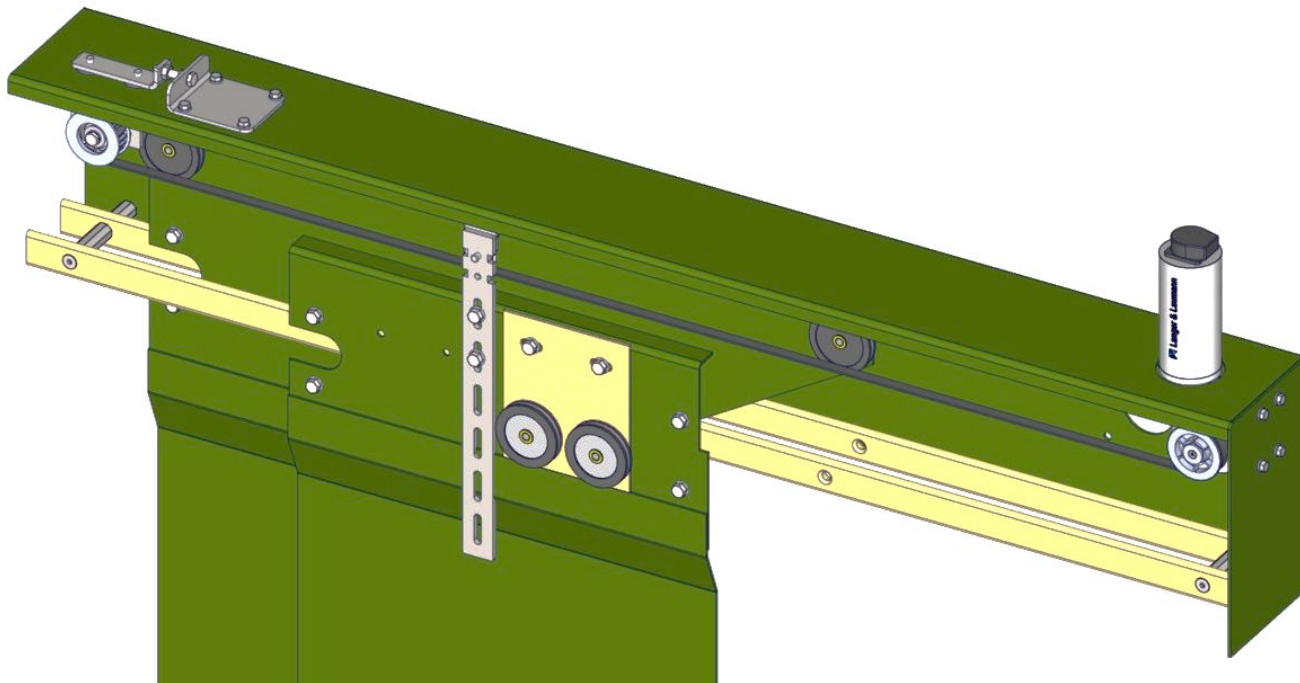






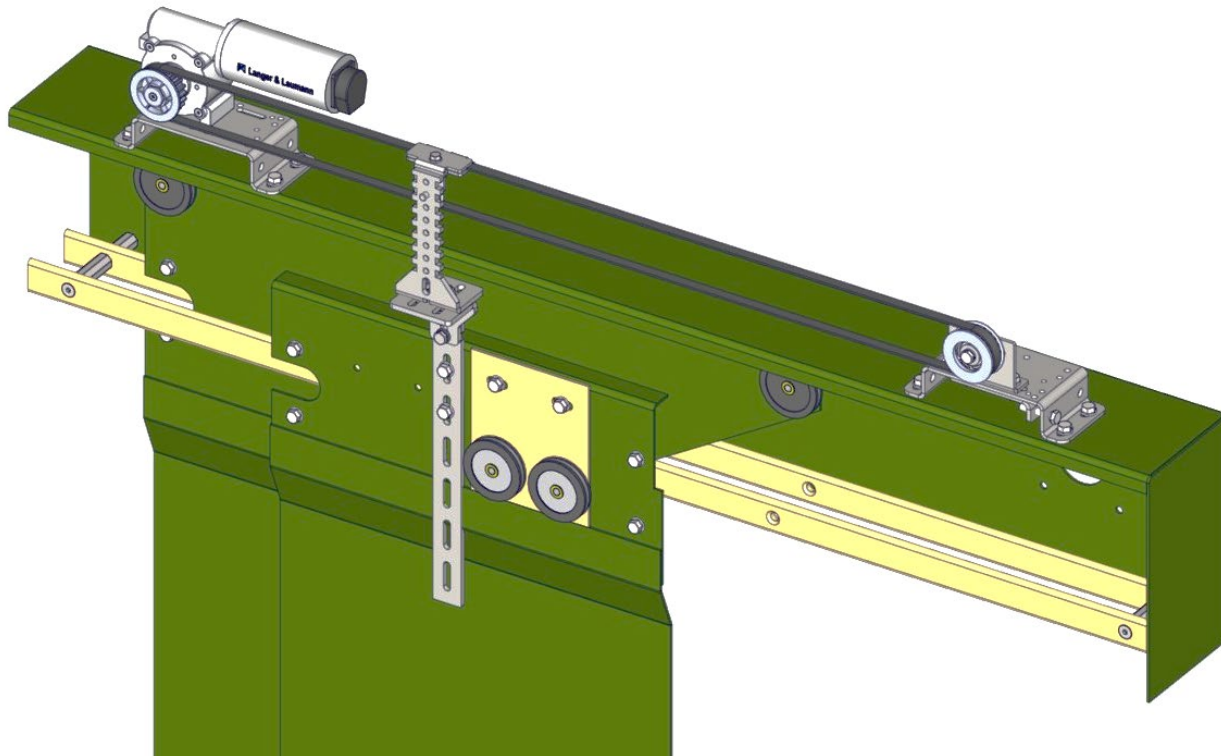
Zahnriemen spannen – tensioning tooth belt





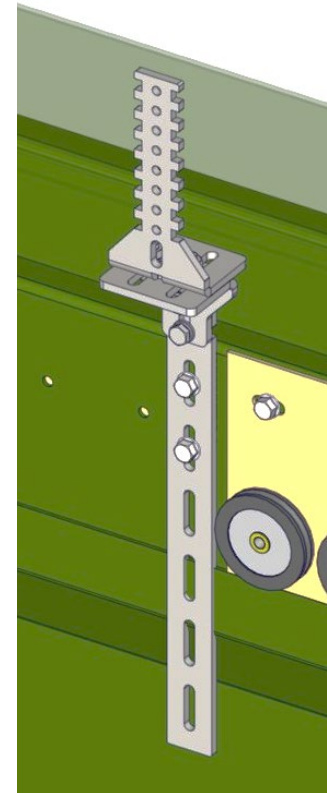
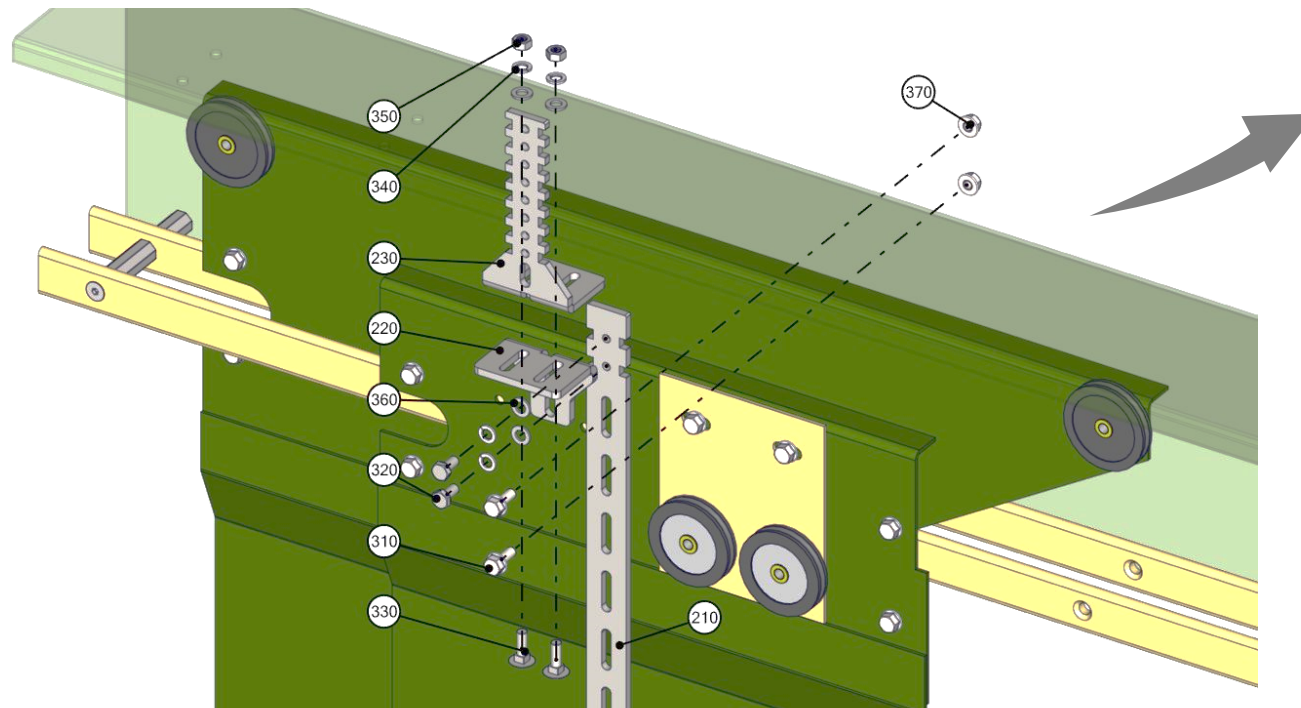
Montagevariante 2 – assembly variant 2

TL



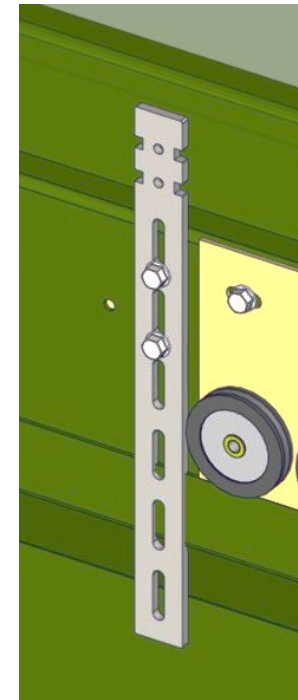
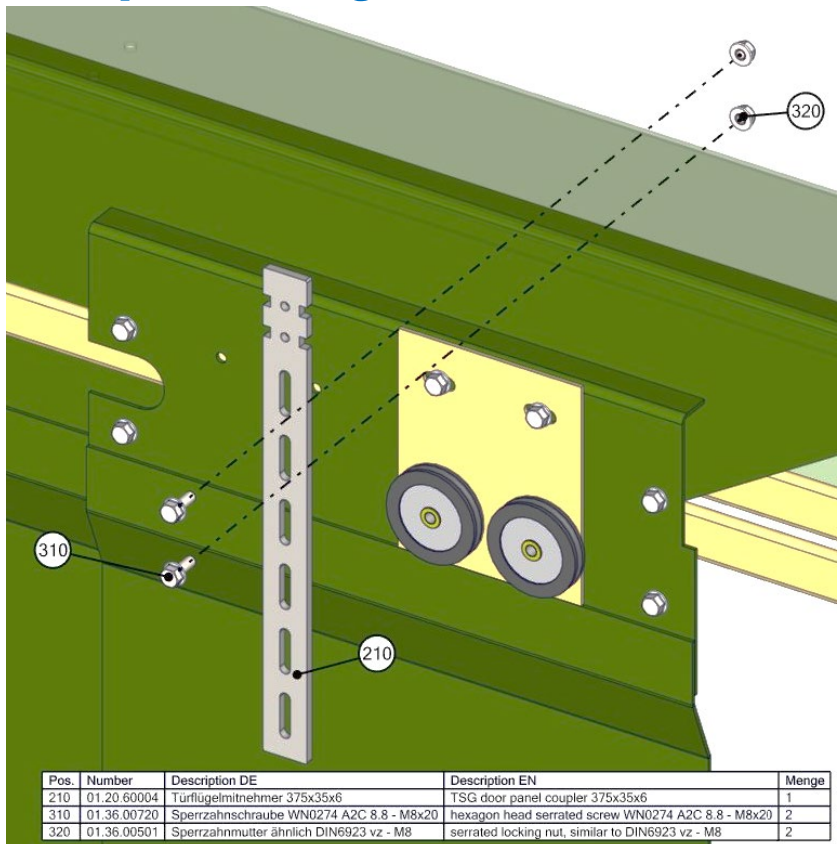
TR spiegelbildlich –
TR mirrored

Montage Türflügelmitnehmer – assembly of the door panel coupler



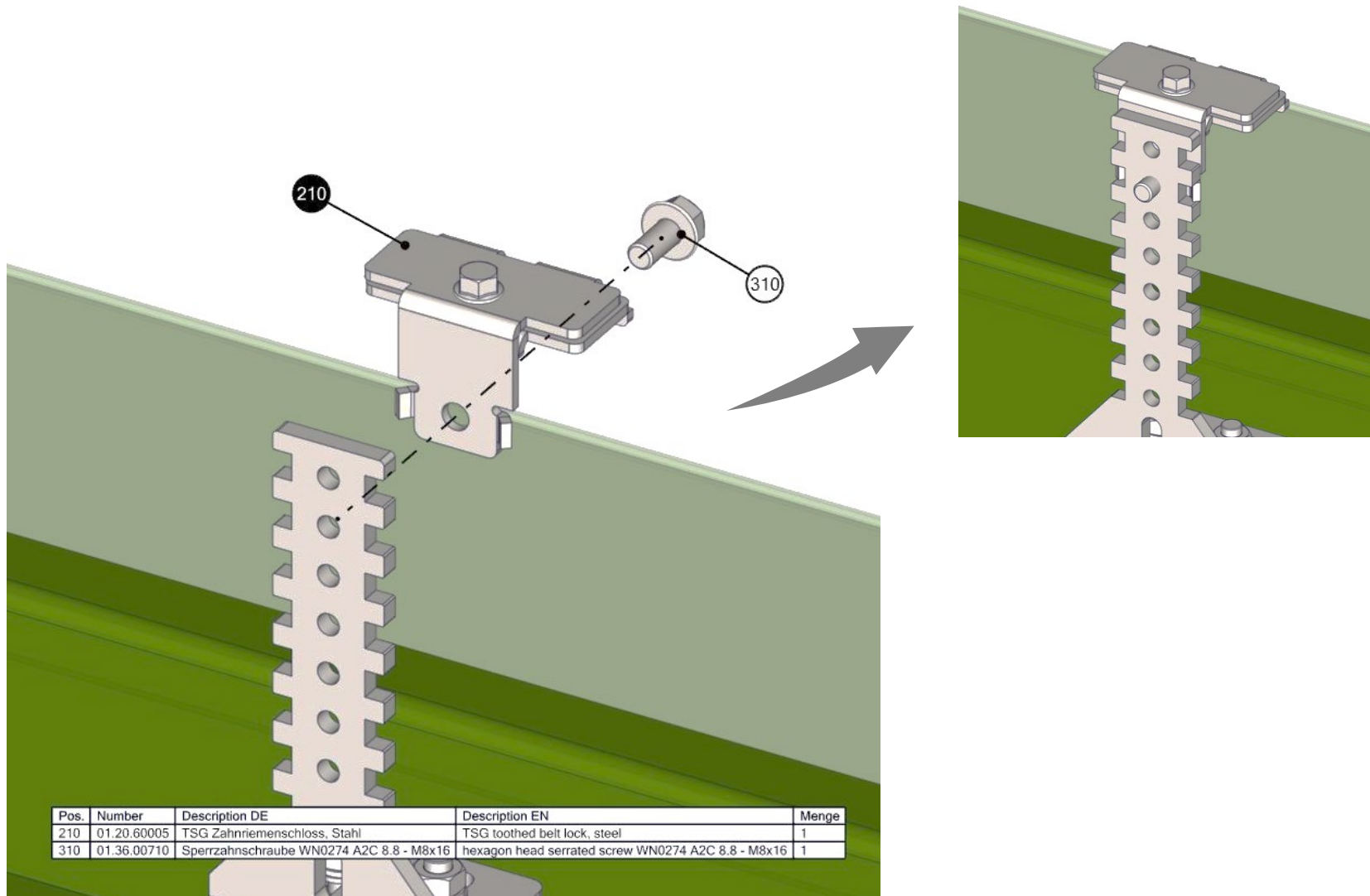
Pos.	Number	Description DE	Description EN	Menge
210	01.20.60004	Türflügelmitnehmer 375x35x6	TSG door panel coupler 375x35x6	1
220	01.20.60075	rechtwinkliges Verbindungsblech TSG Mitnehmer, mit Langlöcher	right-angled connecting plate TSG driver	1
230	01.20.92020	Türflügelmitnehmer, rechtwinklig mit Langlöcher	TSG door panel coupler, rectangular, with oblong holes	1
310	01.36.00720	Sperrzahnschraube WN0274 A2C 8.8 - M8x20	Hexagon head serrated screw WN0274 A2C 8.8 - M8x20	2
320	01.36.02115	Sechskantschraube ISO 4017 - M8x16 - 8.8	Hexagonal bolt ISO4017 vz 8.8 - M8x16	2
330	01.36.00520	Flachrundschräube Vierkantansatz, DIN 603, 8x25	truss-head screw with shoulder, DIN 603, 8x25	2
340	01.36.00169	Federring DIN127 vz - M8	lock washer DIN127 vz - M8	4
350	01.36.00430	Sechskantmutter ISO 4032 - M8 - 8.8	hexagon nut DIN934-8 vz 8.8 - M8	2
360	01.36.00440	Scheibe ISO 7091-M8 (09)-100HV (DIN126), vz	washer DIN125A vz - 8.4	4
370	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	2

Alternative Montage gerader Türflügelmitnehmer – alternative assembly of the door panel coupler straight

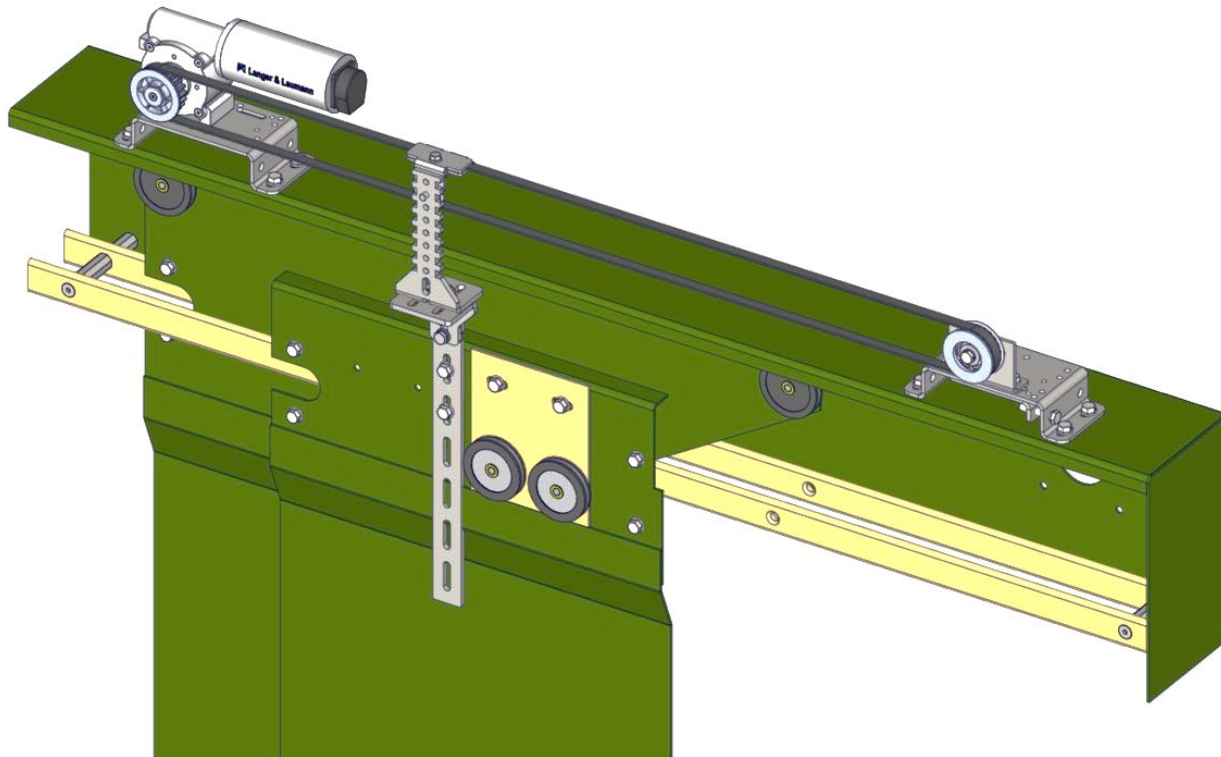


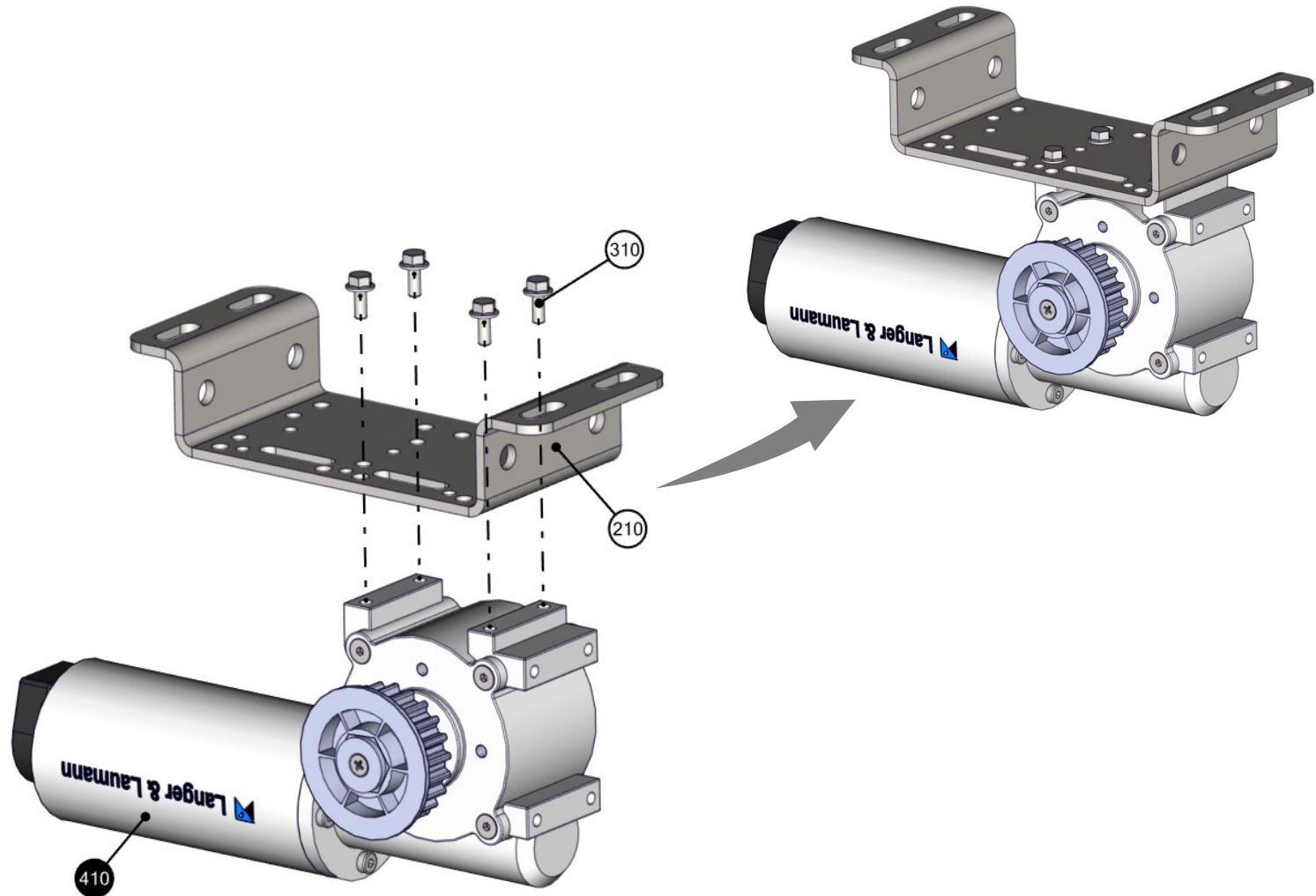
Pos.	Number	Description DE	Description EN	Menge
210	01.20.60004	Türflügelmitnehmer 375x35x6	TSG door panel coupler 375x35x6	1
310	01.36.00720	Sperrzahnschraube WN0274 A2C 8.8 - M8x20	hexagon head serrated screw WN0274 A2C 8.8 - M8x20	2
320	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	2

Türflügelmitnehmer bei Bedarf kürzen –
cut off the door panel coupler if necessary

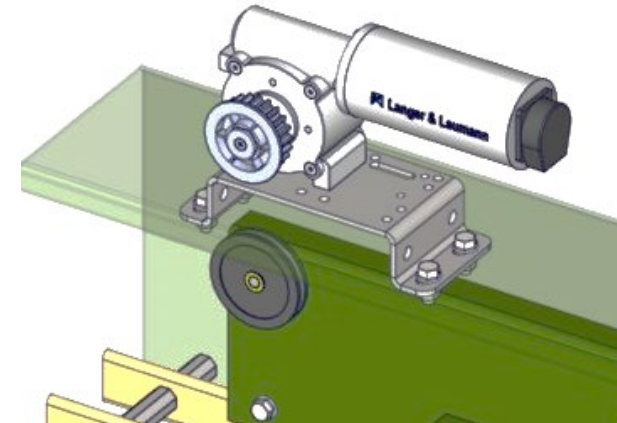
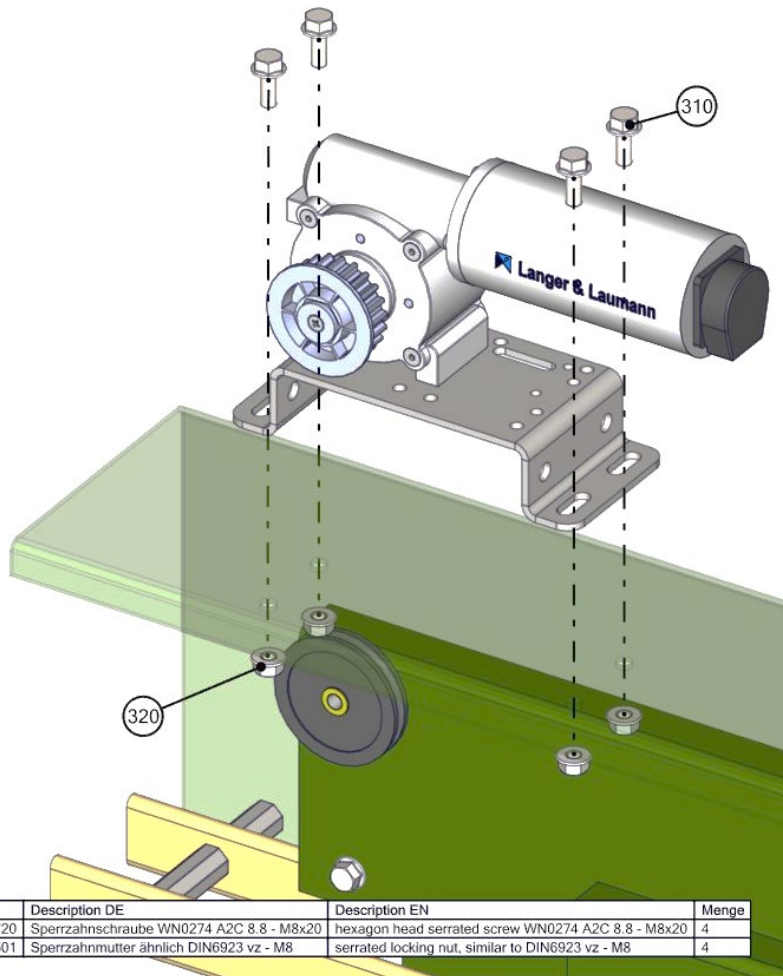
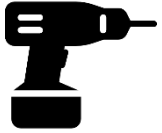


Montage TSG – assembly of the TSG



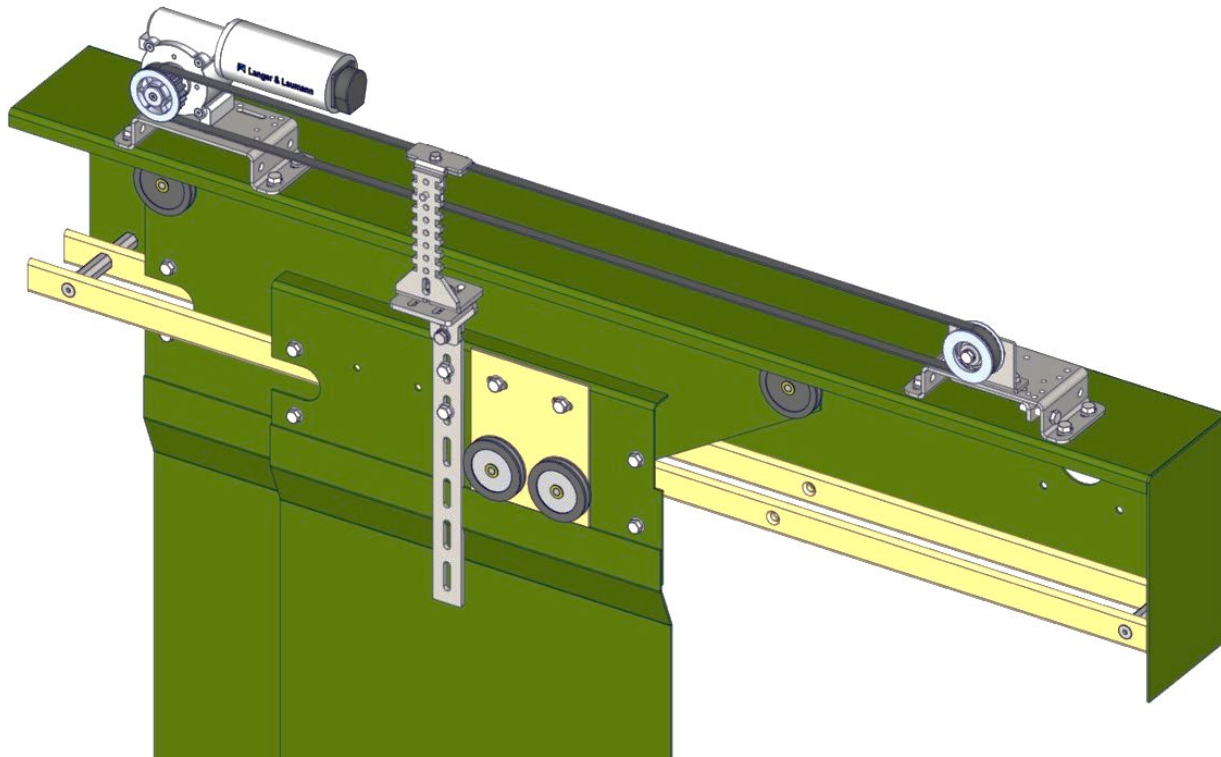


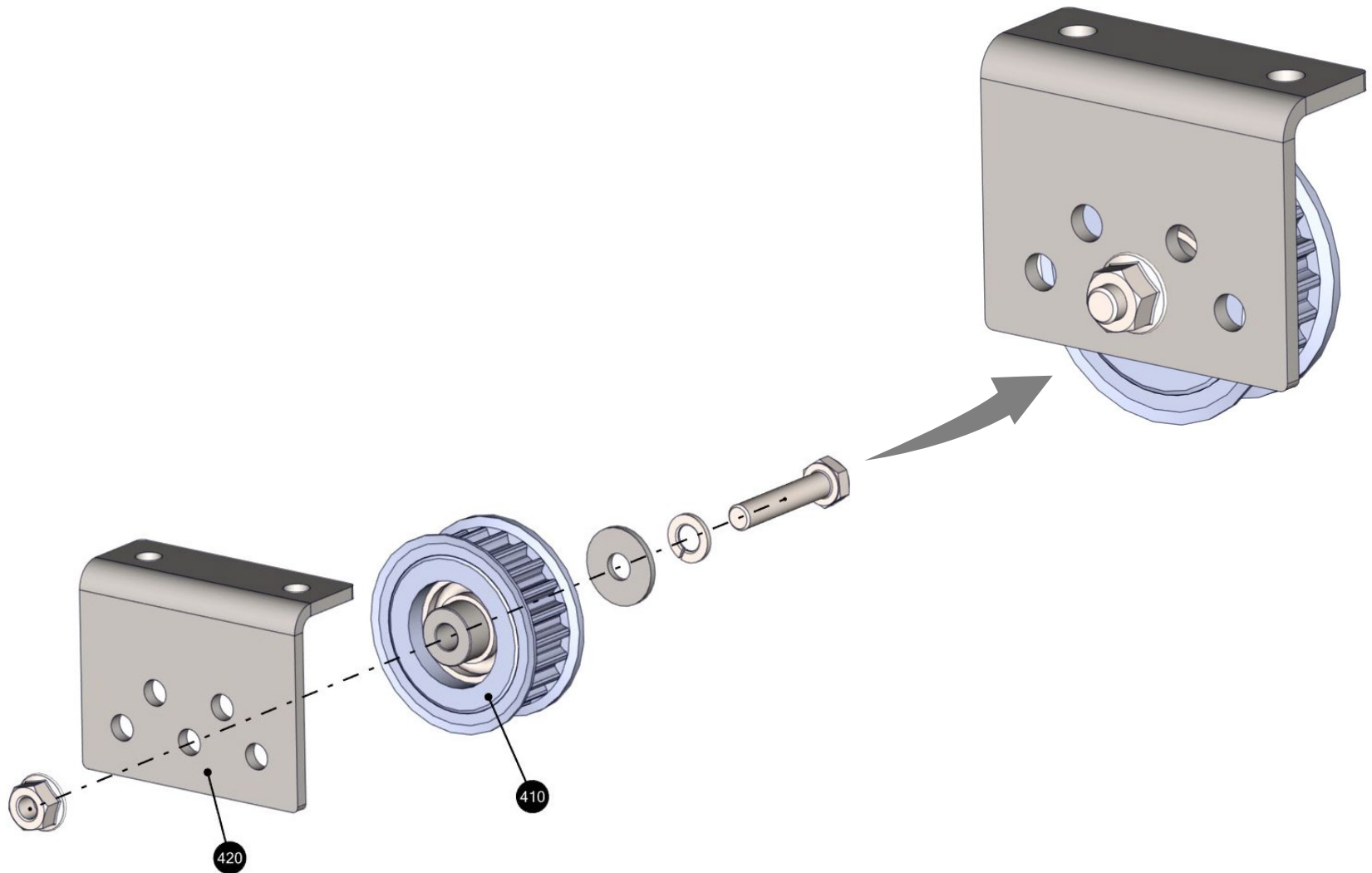
Pos.	Number	Description DE	Description EN	Menge
210	01.20.60060	TSG Kombiwinkel, Ausführung "Hut", für TSG Motor oder Umlenkrad	TSG universal bracket, version "hat"	1
310	01.36.00135	Sperrzahnschraube DIN 6921 M6x12, 8.8, vz	hexagon head serrated screw WN0274 A2C 8.8 - M6x12	4
410	08.20.40001.K1	Motor Gross Rechts Getriebe, 24V/5,1A/1:15	motor large right & gearbox, 24V/5,1A/1:15	1



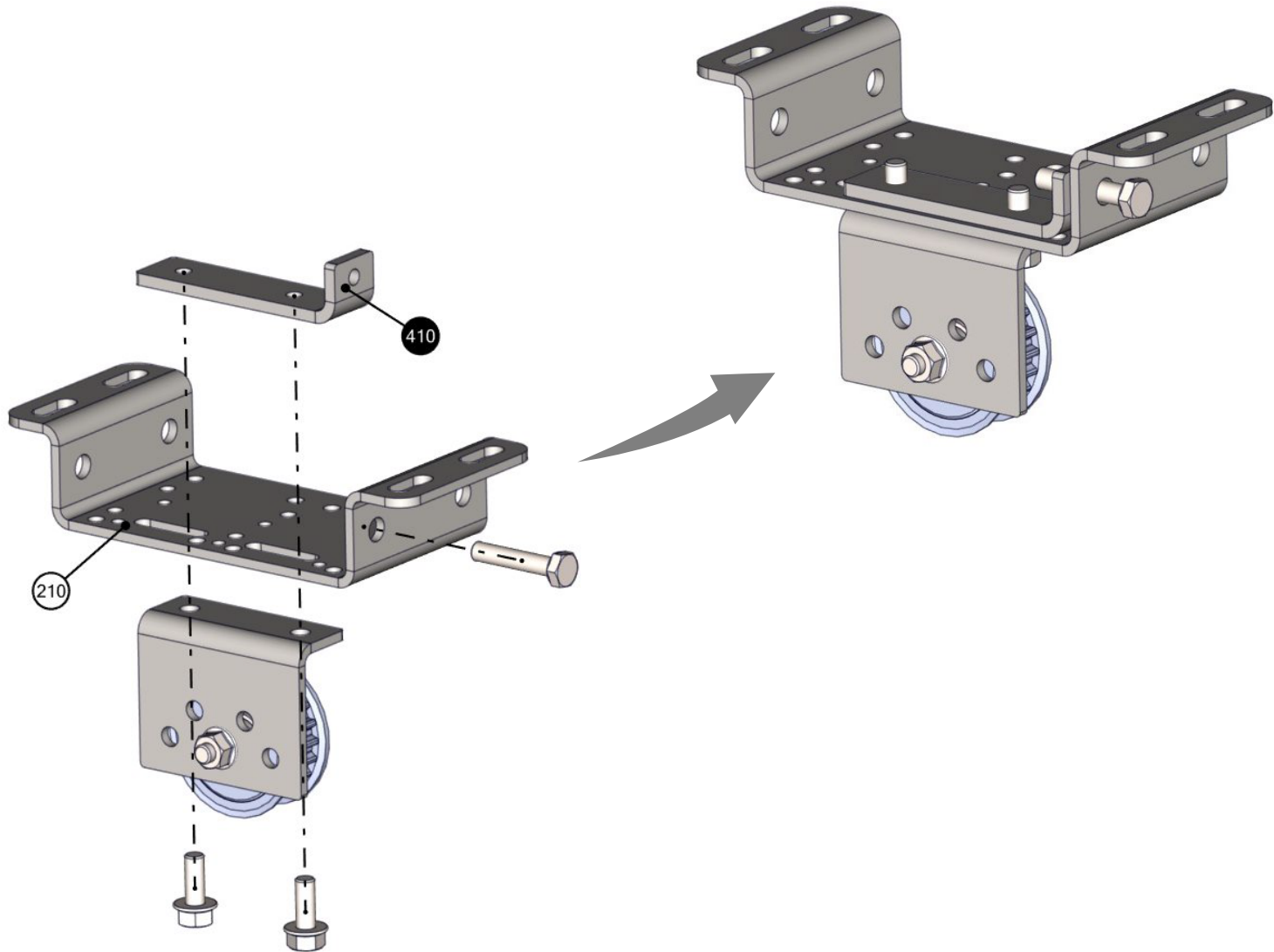
Pos.	Number	Description DE	Description EN	Menge
310	01.36.00720	Sperrzahnschraube WN0274 A2C 8.8 - M8x20	hexagon head serrated screw WN0274 A2C 8.8 - M8x20	4
320	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	4

Montage Umlenkrolle – assembly of the counter roller

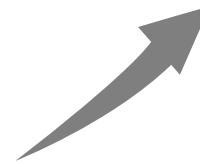
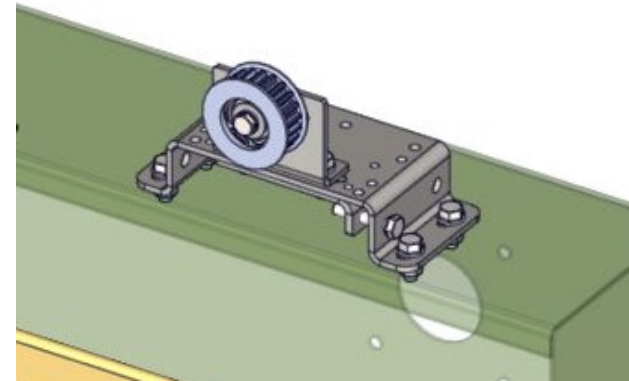
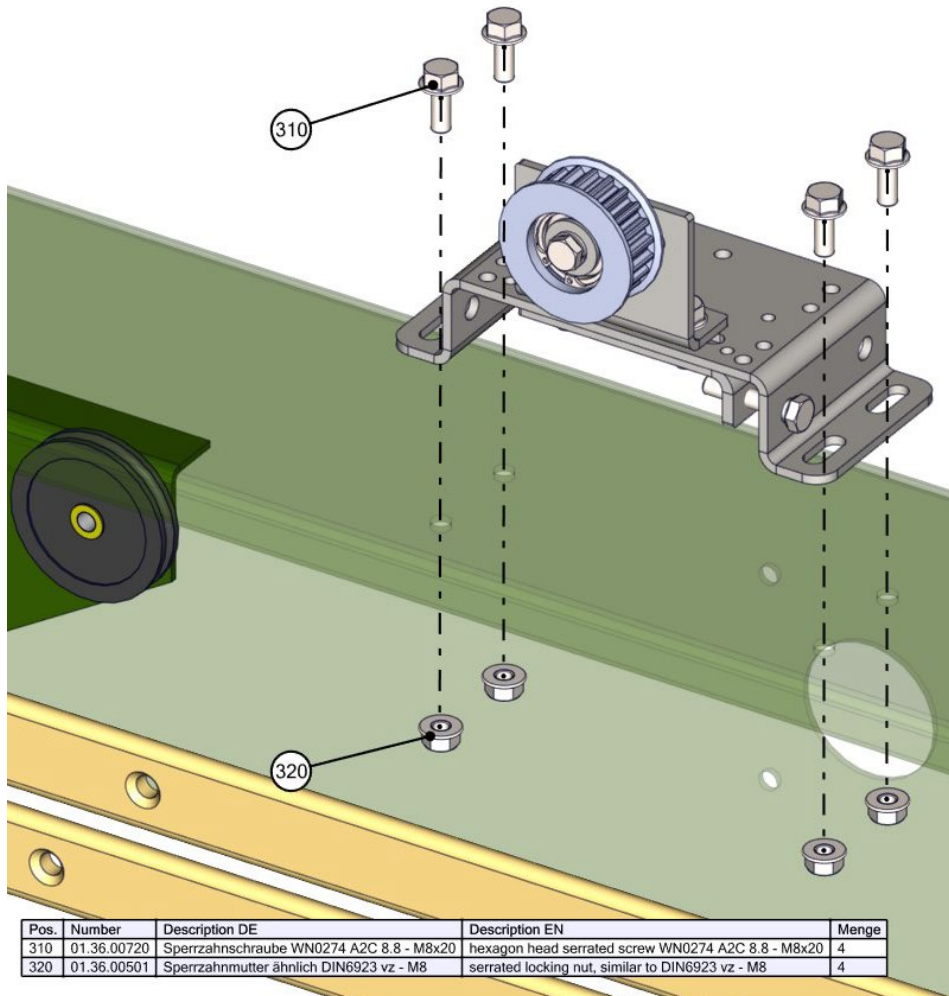




Pos.	Number	Description DE	Description EN	Menge
410	01.20.60003	Tüte Umlenkrolle	Tüte Umlenkrolle	1
420	01.20.60013	Halterung Umlenkrolle mit Spannlasche	TSG bracket for counter roller	1

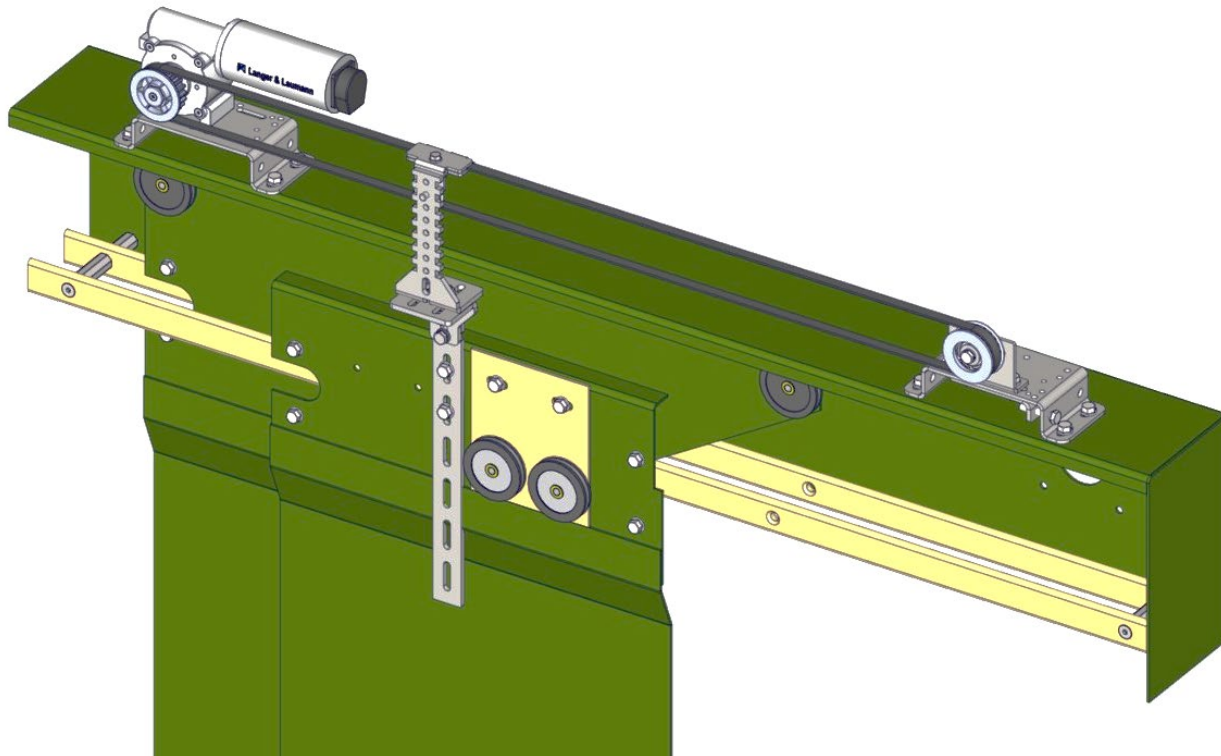


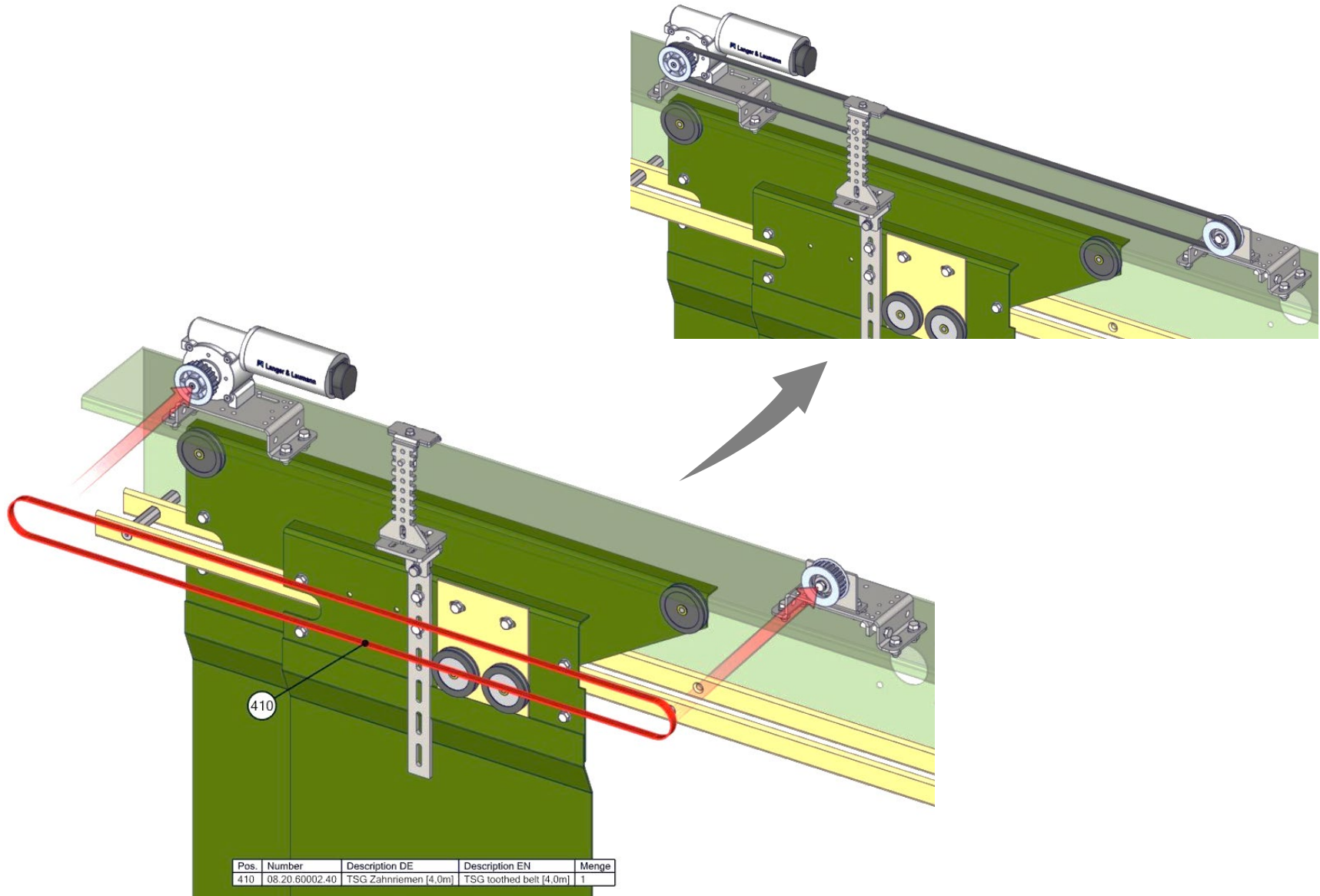
Pos.	Number	Description DE	Description EN	Menge
210	01.20.60060	TSG Kombiwinkel, Ausführung "Hut", für TSG Motor oder Umlenkrad	TSG universal bracket, version "hat"	1
410	01.20.60013	Halterung Umlenkrad mit Spannlasche	TSG bracket for counter roller	1

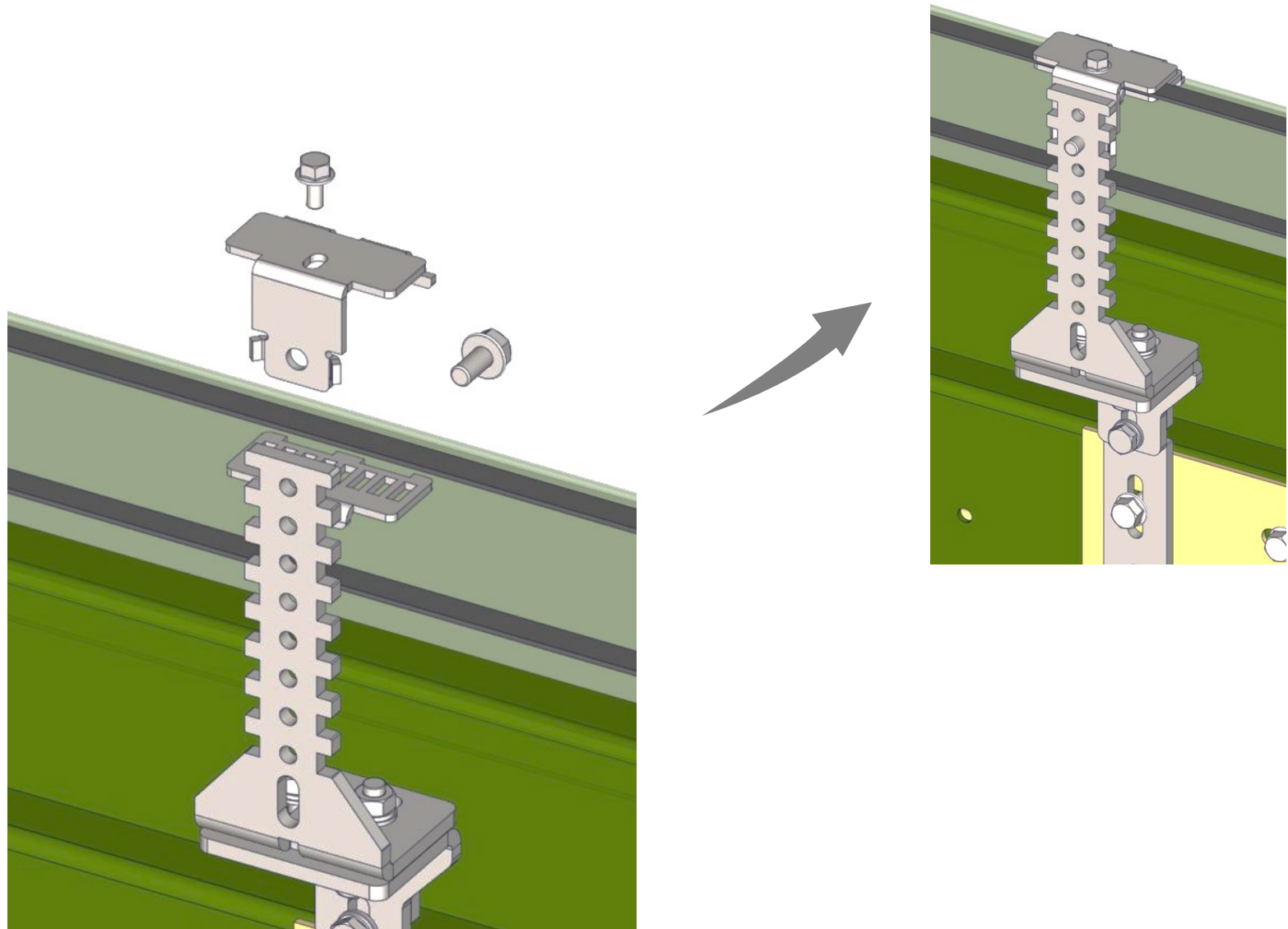


Pos.	Number	Description DE	Description EN	Menge
310	01.36.00720	Sperrzahnschraube WN0274 A2C 8.8 - M8x20	hexagon head serrated screw WN0274 A2C 8.8 - M8x20	4
320	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	4

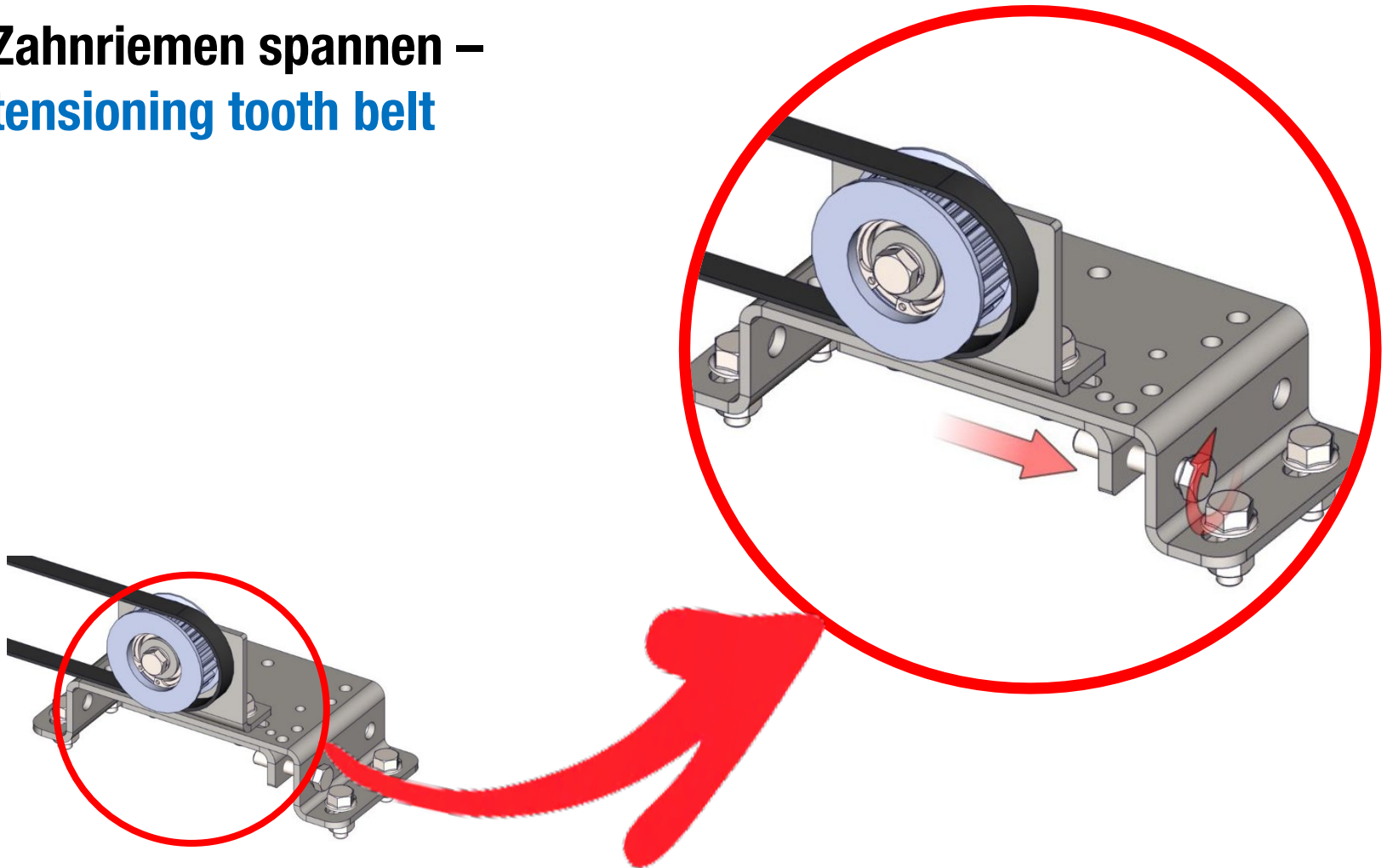
Montage Zahnriemen – assembly of the toothed belt

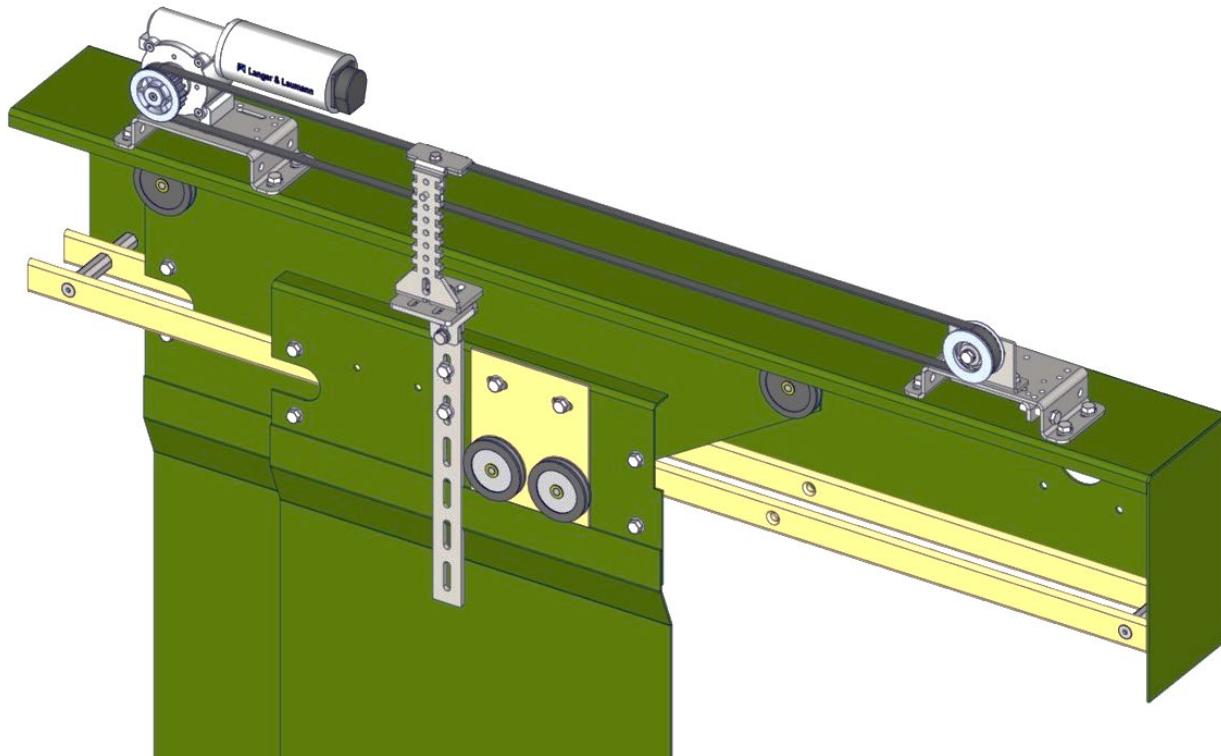


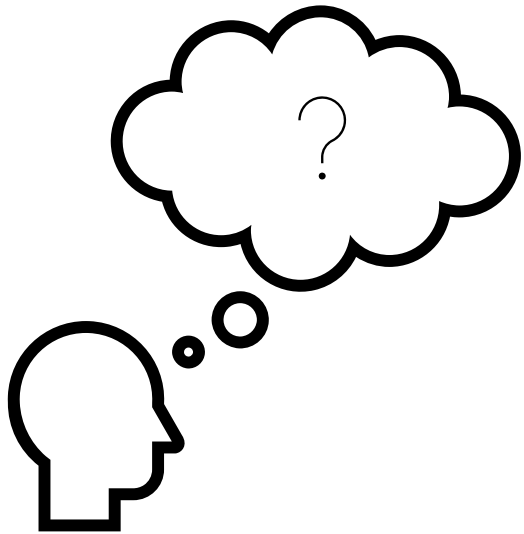




Zahnriemen spannen – tensioning tooth belt







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