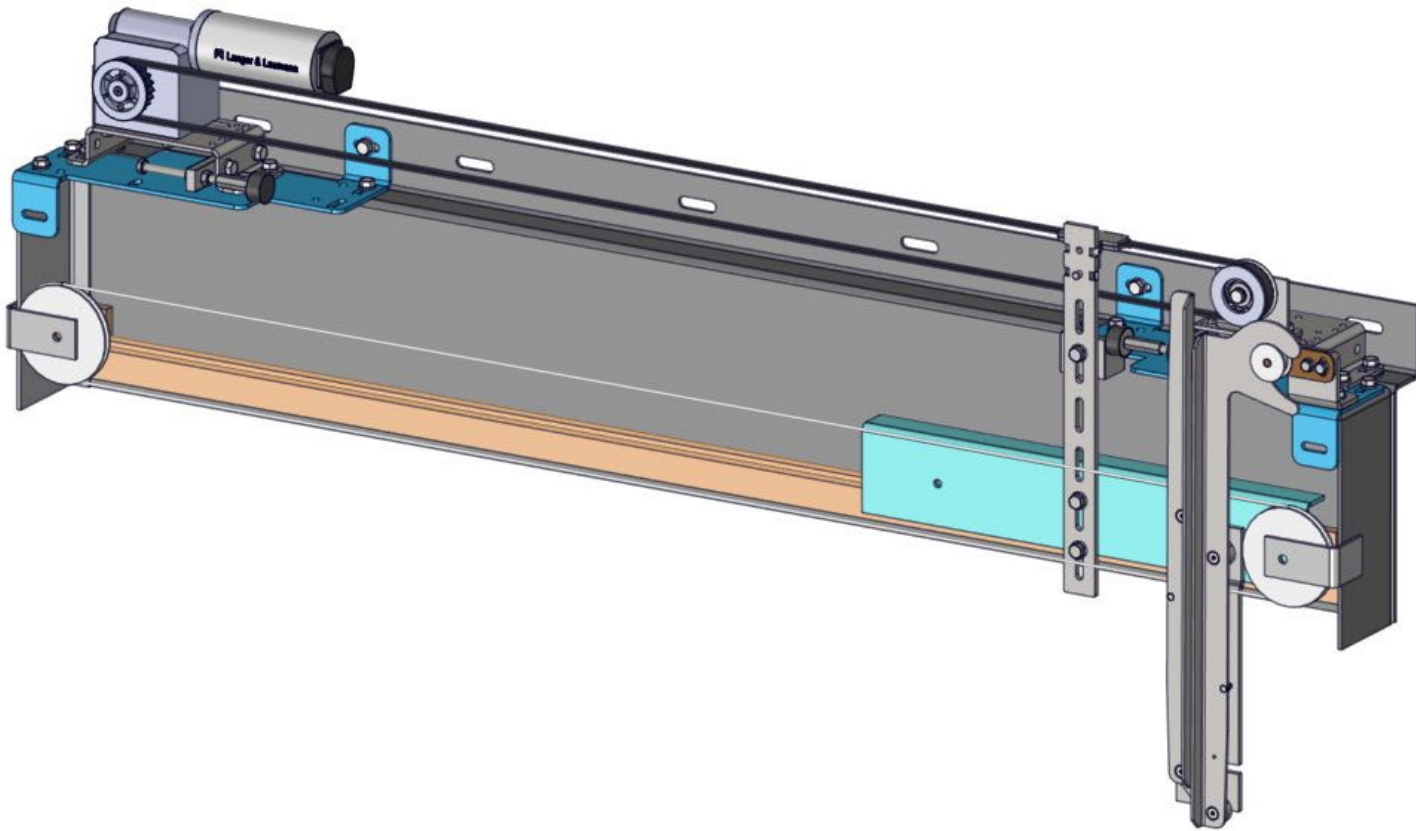


Montageanleitung **Assembly Instruction**

TSG in Meiller Spindel **TSG Meiller spindle**

TSG in Meiller Spindel – TSG in Meiller spindle



Lieferumfang – scope of supply



picture	Number	description DE	description EN	quantity
	8.20.00101.04	TSG V4 Lift Door Operator -Electronic extern- 230[VAC]/50-60[Hz]	TSG V4 Lift Door Operator -Electronic extern- 230[VAC]/50-60	1
	8.20.4000X.X1	Motor Gross Rechts oder Links & Getriebe, 24V/4,9A/1:15	Motor Large Right or Left & Gearbox, 24V/4,9A/1:15	1
	8.20.60002.40	TSG Zahnriemen [4,0m]	TSG toothed belt [4,0m]	1
	1.20.60004	TSG Türflügelmitnehmer	TSG door panel coupler	1
	1.20.92570	Montageplatte TSG Antrieb in Meiller Spindel	mounting plate TSG drive in Meiller spindle	2
	1.20.60060	TSG Kombiwinkel, Ausführung 'Hut', für TSG Motor oder Umlenkrad	TSG universal bracket, version 'hat', for TSG motor or counter roller	2
	1.20.60030	TSG Anschlagsatz Puffer inkl. Halterung	TSG stopper kit buffer incl. holder	2
	1.20.60013	TSG Halter für Umlenkrad	TSG bracket for counter roller	1

picture	Number	description DE	description EN	quantity
	1.20.60003	TSG Umlenkrad	TSG counter roller	1
	1.20.92567	Riegelrollenhalter für Spindeltrieb	bolt roller holder for spindle drive	1
	1.20.60020	TSG Anschlag für Türflügelmitnehmer	TSG stopper for door coupler	1
	1.20.60005	TSG Zahnriemenschloß, Stahl	TSG toothed belt lock, steel	1
	1.36.00169	Federring DIN127 vz - M8	lock washer DIN127 vz - M8	1
	1.36.00710	Sperrzahnschraube WN0274 A2C 8.8 - M8x16	hexagon head serrated screw WN0274 A2C 8.8 - M8x16	4
	1.36.00501	Sperrzahnmutter, ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	20
	1.36.00720	Sperrzahnschraube WN0274 A2C 8.8 - M8x20	hexagon head serrated screw WN0274 A2C 8.8 - M8x20	23
	1.36.00138	Sperrzahnschraube WN0274 A2C 8.8 - M6x16	hexagon head serrated screw WN0274 A2C 8.8 - M6x16	4

picture	Number	description DE	description EN	quantity
	1.36.00450	Kotflügelscheibe DIN522 vz - 8,4x20x1,25	wing repair washer DIN522 vz - 8,4x20x1,25	5
	1.36.00115	Sechskantschraube Vollgewinde DIN933 vz 8.8 - M8x40	hexagonal bolt, thread up to head DIN933 vz 8.8 - M8x40	2
	1.36.00137	Sperrzahnschraube WN0274 A2C 8.8 - M6x20	hexagon head serrated screw WN0274 A2C 8.8 - M6x20	2
	1.36.00502	Sperrzahnmutter, ähnlich DIN6923 vz - M6	ribbed nuts, similar to DIN6923 vz - M6	2
	1.36.00135	Sperrzahnschraube WN0274 A2C 8.8 - M6x12	hexagon head serrated screw WN0274 A2C 8.8 - M6x12	1

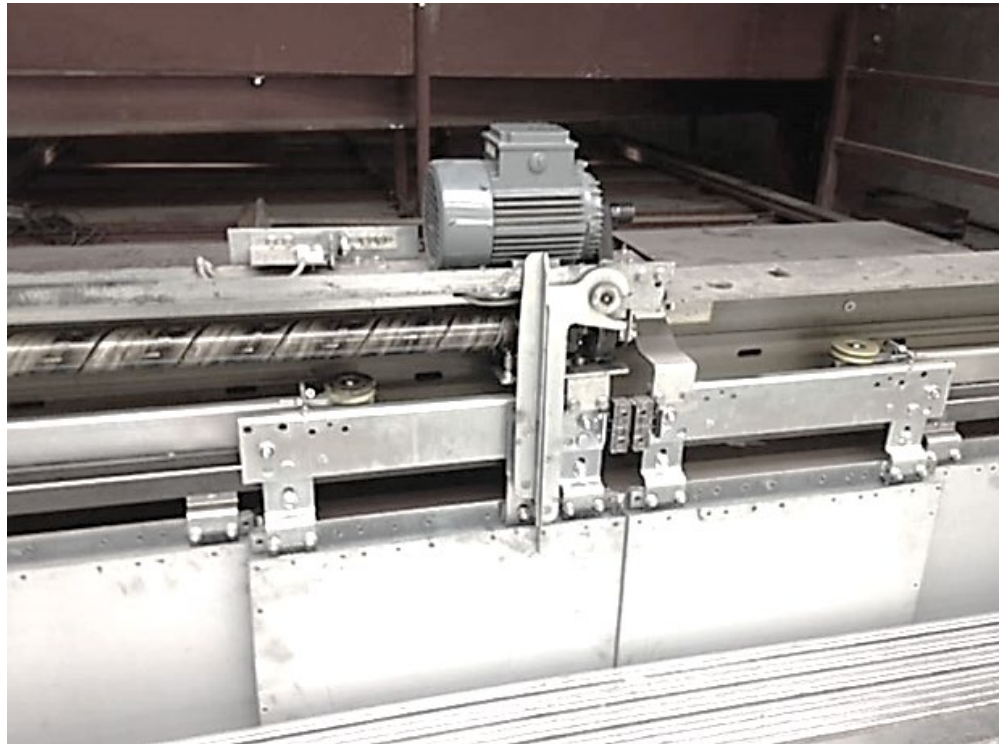
Vor Umbau – Before conversion

TL



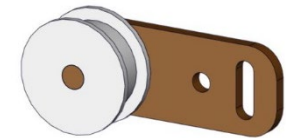
TR spiegelbildlich –
TR mirrored

Z



Nach Demontage – After disassembly

TL



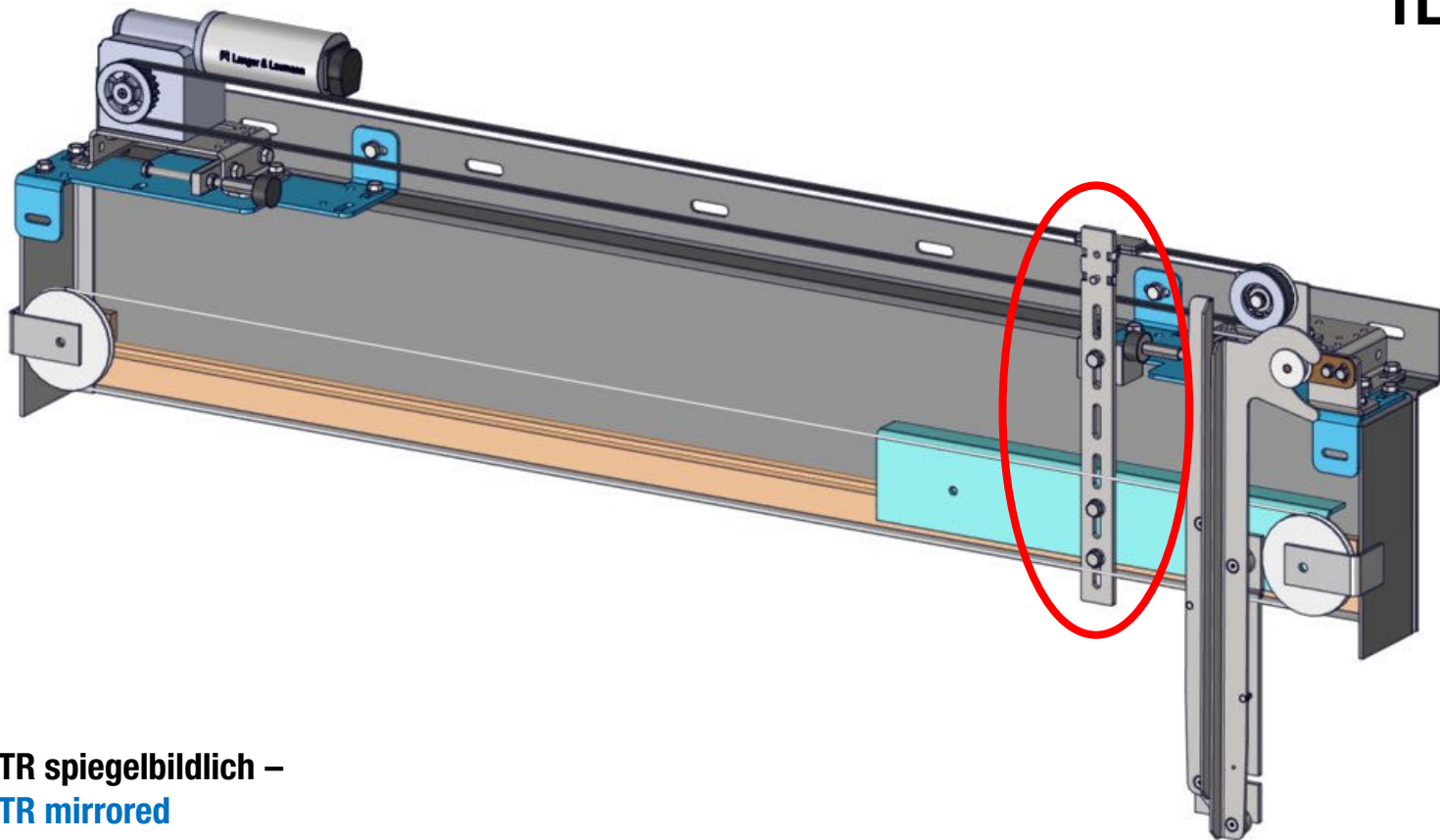
**Originale
Schwertbetätigung
g demontieren.
Wird beim Umbau
wieder-verwendet**

**Disassemble
original skate
actuator. It will be
reused during the
conversion**

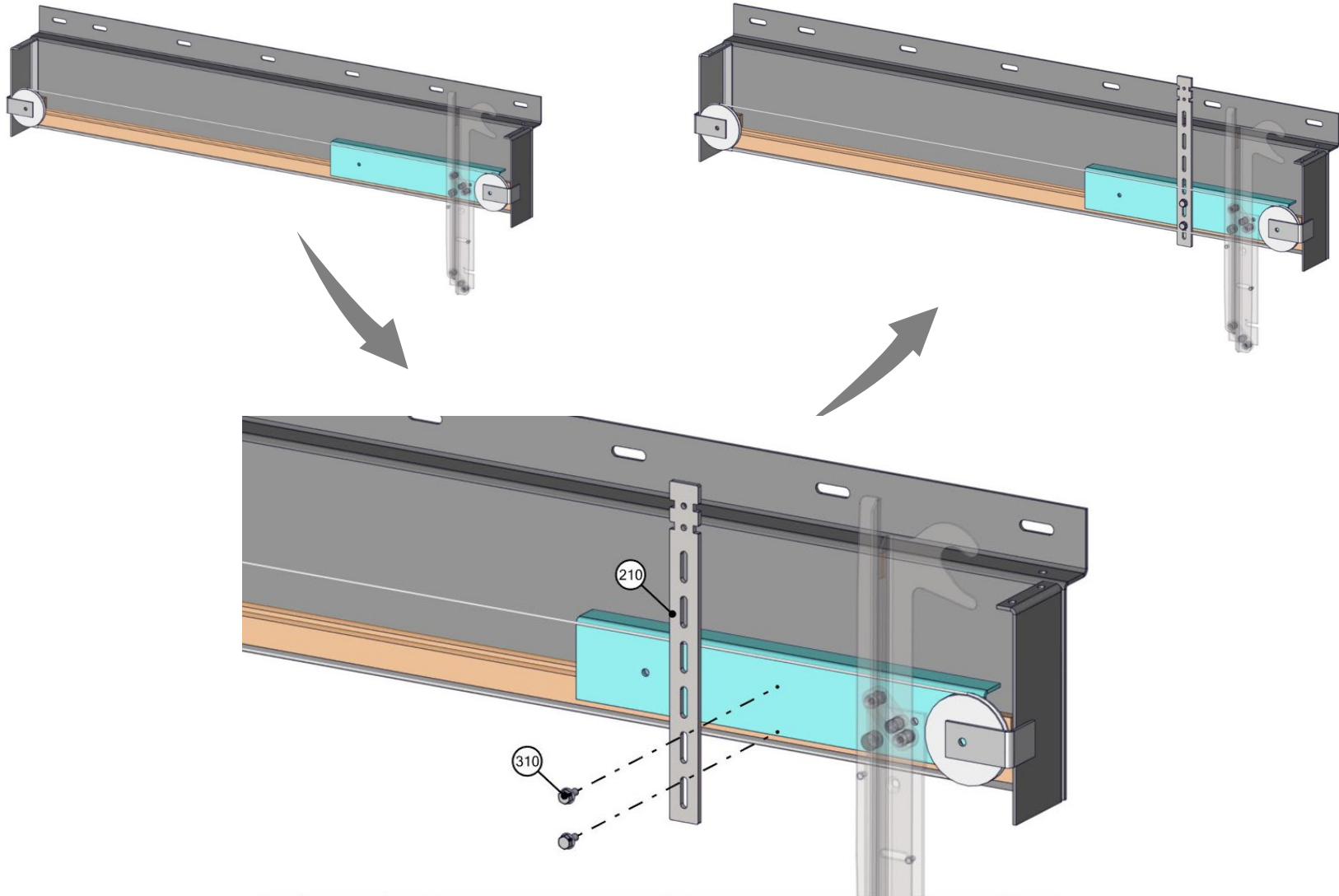
**TL spiegelbildlich –
TL mirrored**

Montage Türflügelmitnehmer – Assembly of the door panel coupler

TL

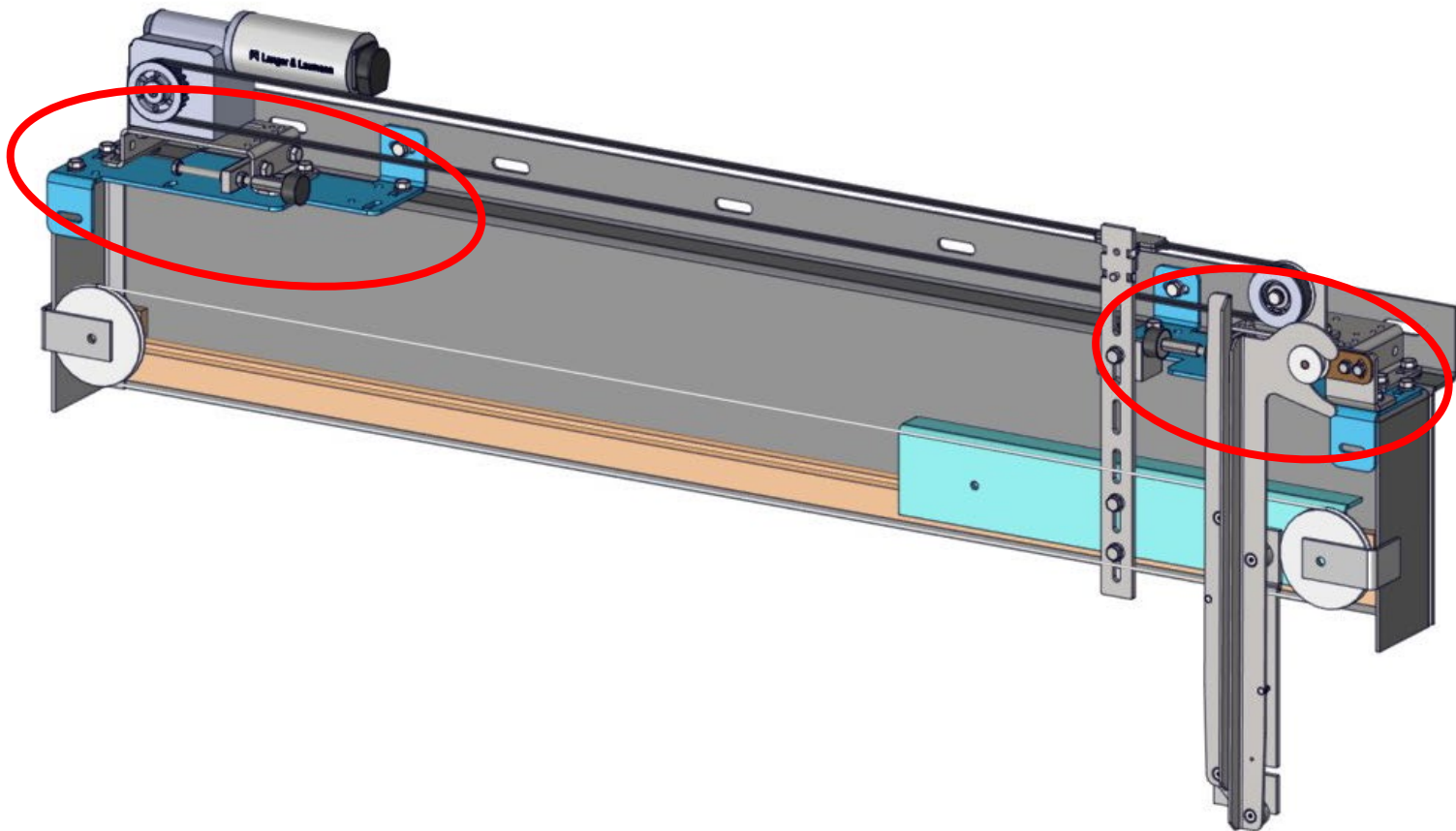


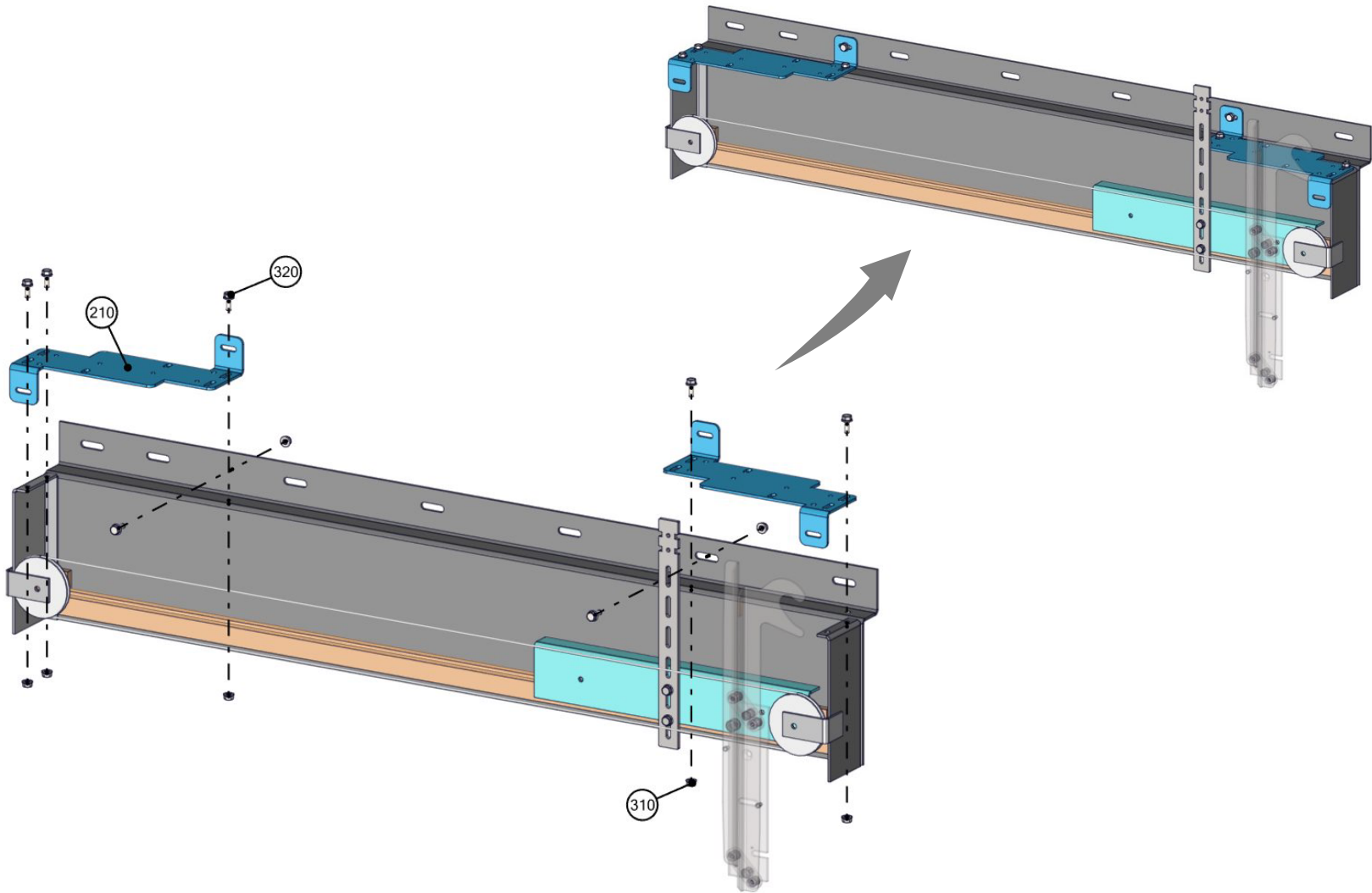
TR spiegelbildlich –
TR mirrored



Pos.	Number	Description DE	Description EN	Menge
210	01.20.60004	Türflügelmitnehmer 375x35x6	TSG door panel coupler 375x35x6	1
310	01.36.00710	Sperrzahnschraube WN0274 A2C 8.8 - M8x16	hexagon head serrated screw WN0274 A2C 8.8 - M8x16	2

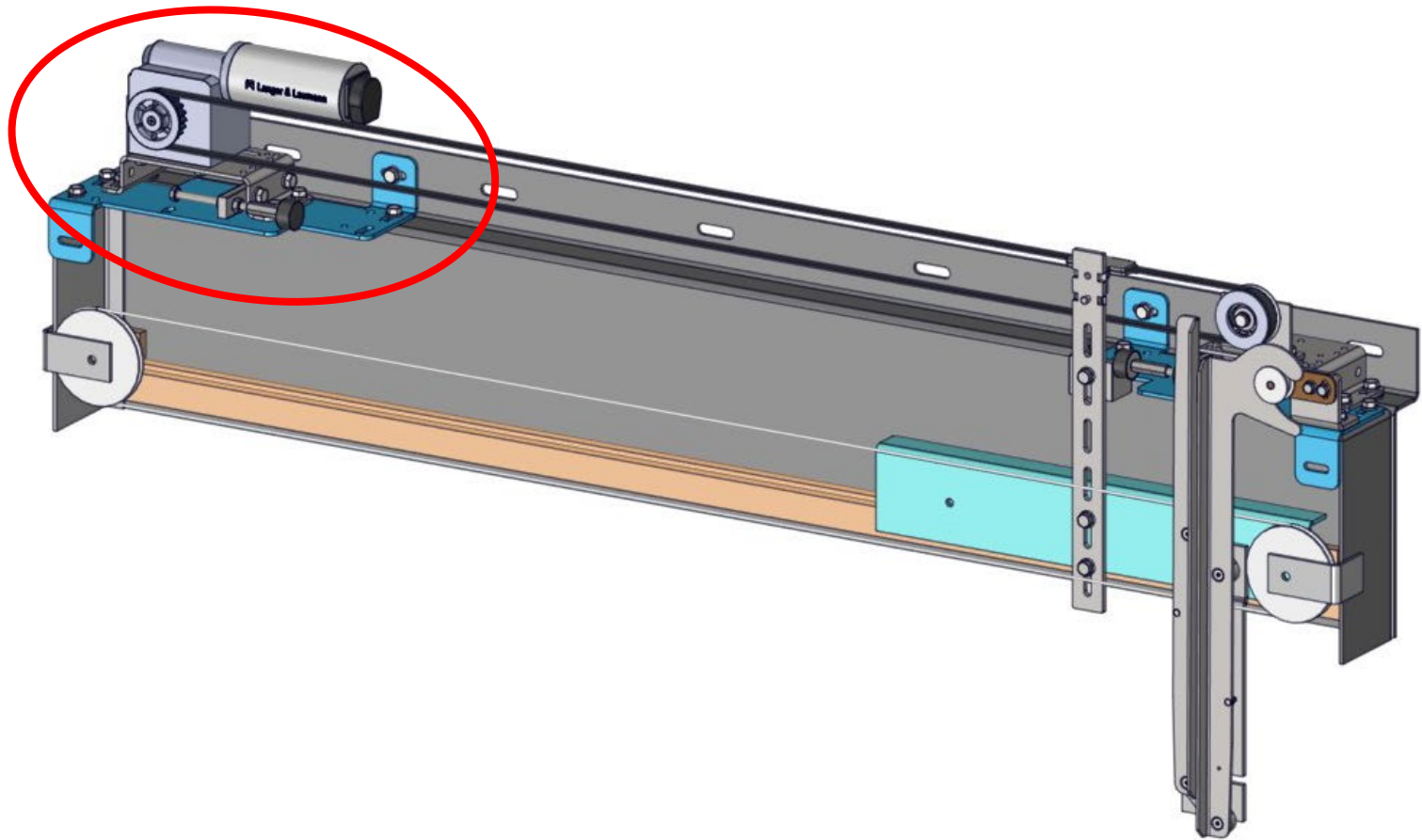
Montage Montageplatten – Assembly of the mounting plates

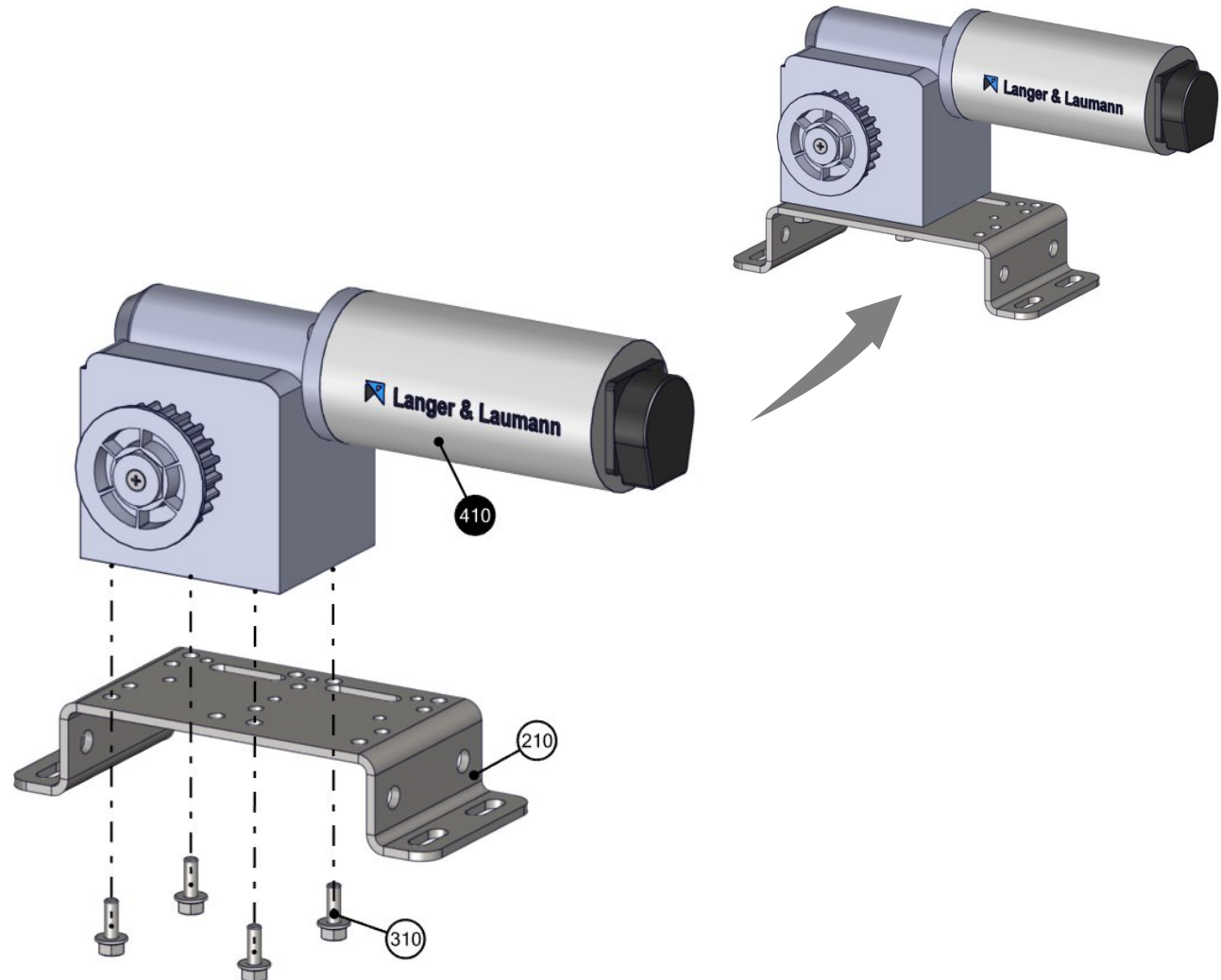




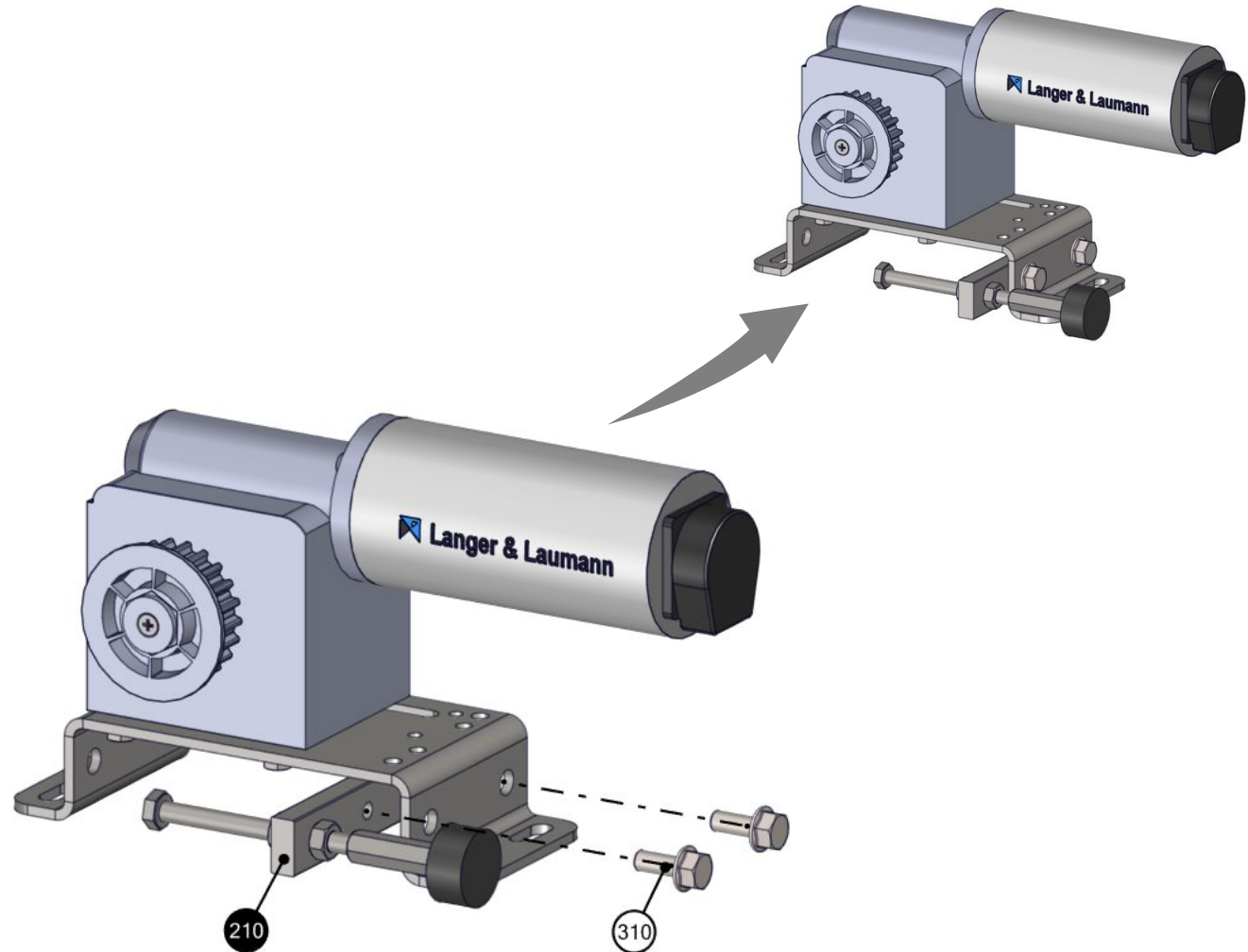
Pos.	Number	Description DE	Description EN	Menge
210	01.20.92570	Montageplatte TSG Antrieb in Meiller Spinde	mounting plate TSG drive in Meiller spindle	2
310	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	7
320	01.36.00720	Sperrzahnschraube WN0274 A2C 8.8 - M8x20	hexagon head serrated screw WN0274 A2C 8.8 - M8x20	7

Montage TSG – Assembly of the TSG

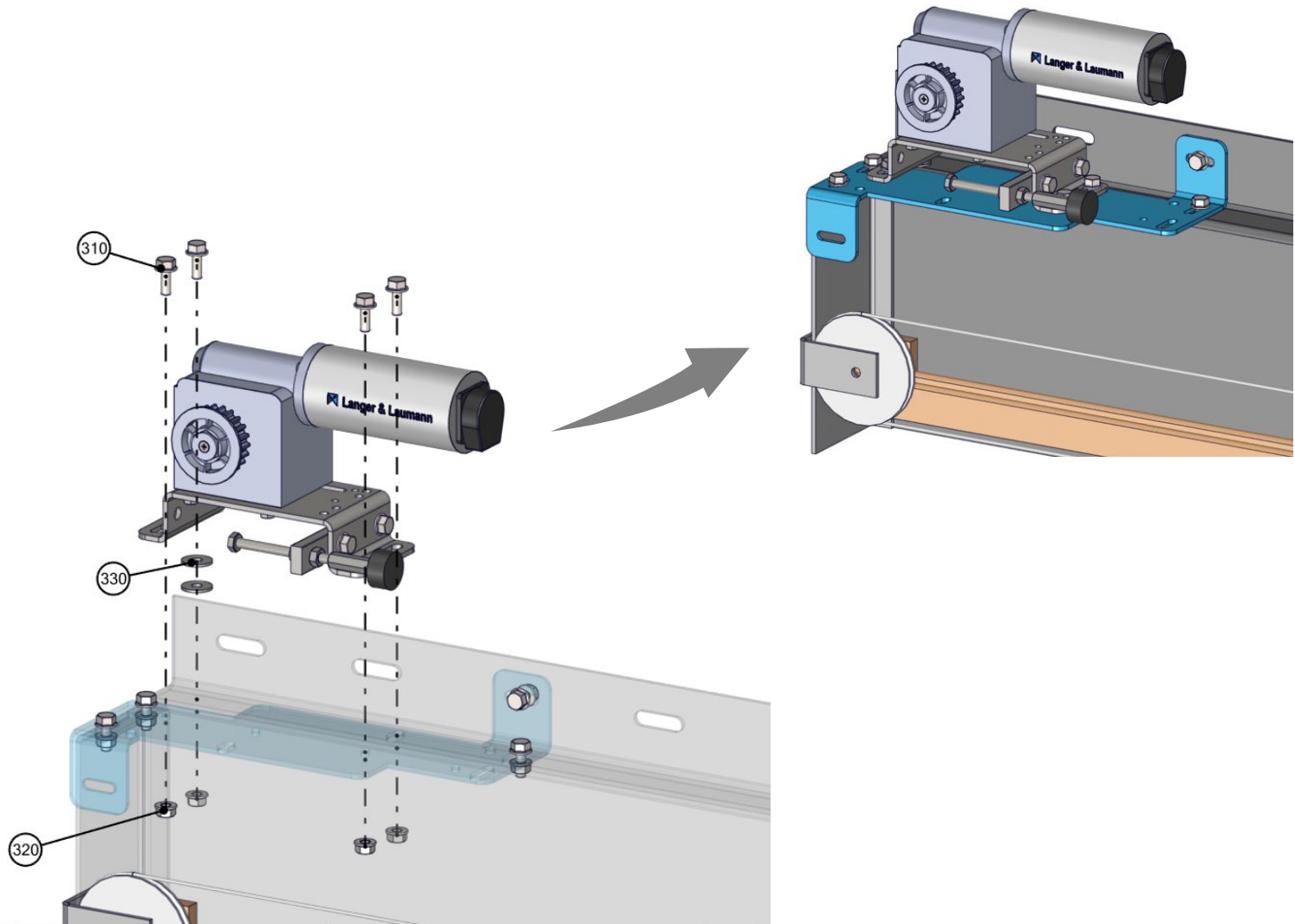




Pos.	Number	Description DE	Description EN	Menge
210	01.20.60060	TSG Kombiwinkel, Ausführung "Hut", für TSG Motor oder Umlenkrad	TSG universal bracket, version "hat"	1
310	01.36.00138	Sperrzahnschraube WN0274 A2C 8.8 - M6x16	hexagon head serrated screw WN0274 A2C 8.8 - M6x16	4
410	08.20.40001.X1	TSG 400 Antrieb Rechts	motor large right & gearbox, 24V/4,9A/1:15	1

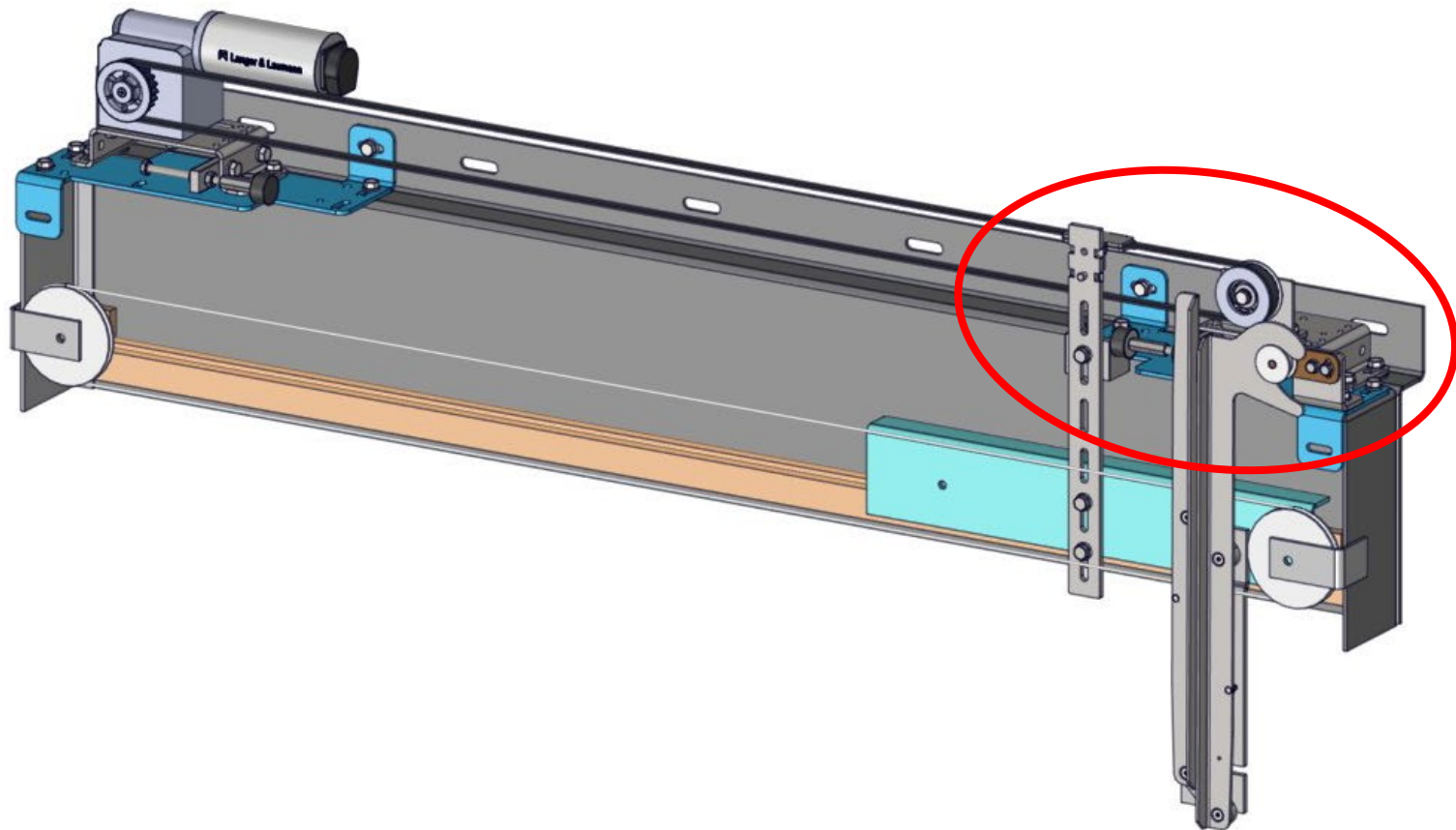


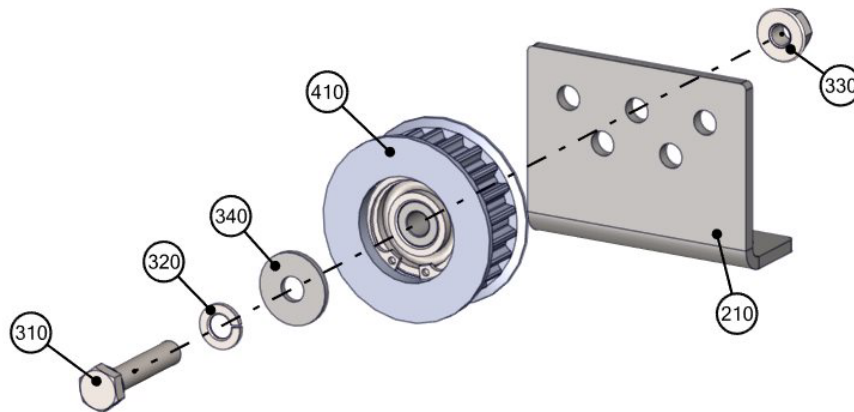
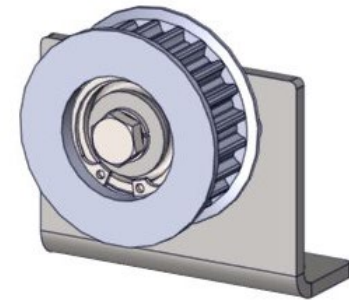
Pos.	Number	Description DE	Description EN	Menge
210	01.20.60030	TSG Anschlagsatz Puffer inkl. Halterung	TSG stopper kit buffer incl. holder	1
310	01.36.00720	Sperrzahnschraube WN0274 A2C 8.8 - M8x20	hexagon head serrated screw WN0274 A2C 8.8 - M8x20	2



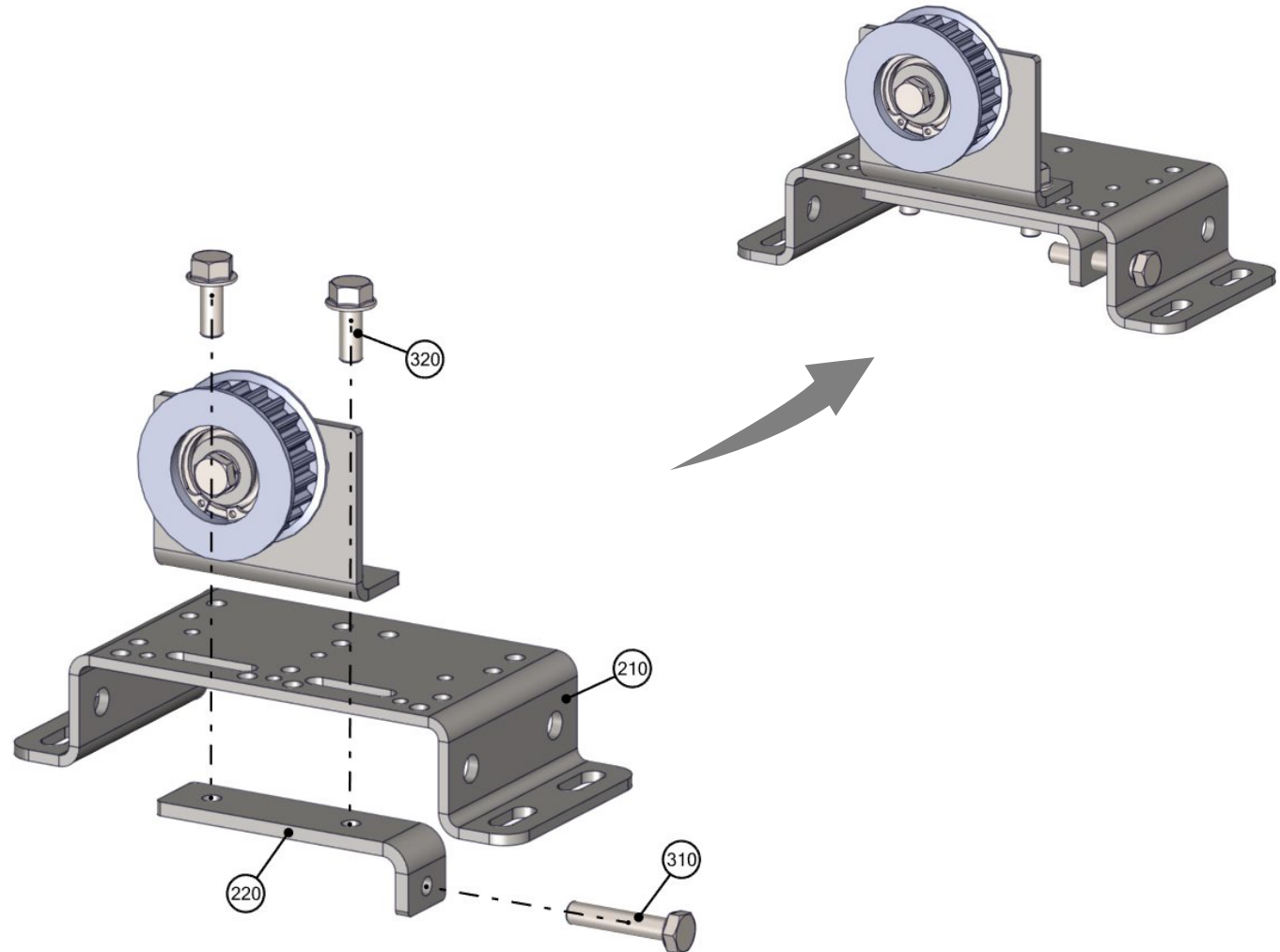
Pos.	Number	Description DE	Description EN	Menge
310	01.36.00720	Sperrzahnschraube WN0274 A2C 8.8 - M8x20	hexagon head serrated screw WN0274 A2C 8.8 - M8x20	4
320	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	4
330	01.36.00450	Kotflügelscheibe DIN522 vz - 8,4x20x1,25	wing repair washer DIN522 vz - 8,4x20x1,25	2

Montage Umlenkrolle – Assembly of the counter roller

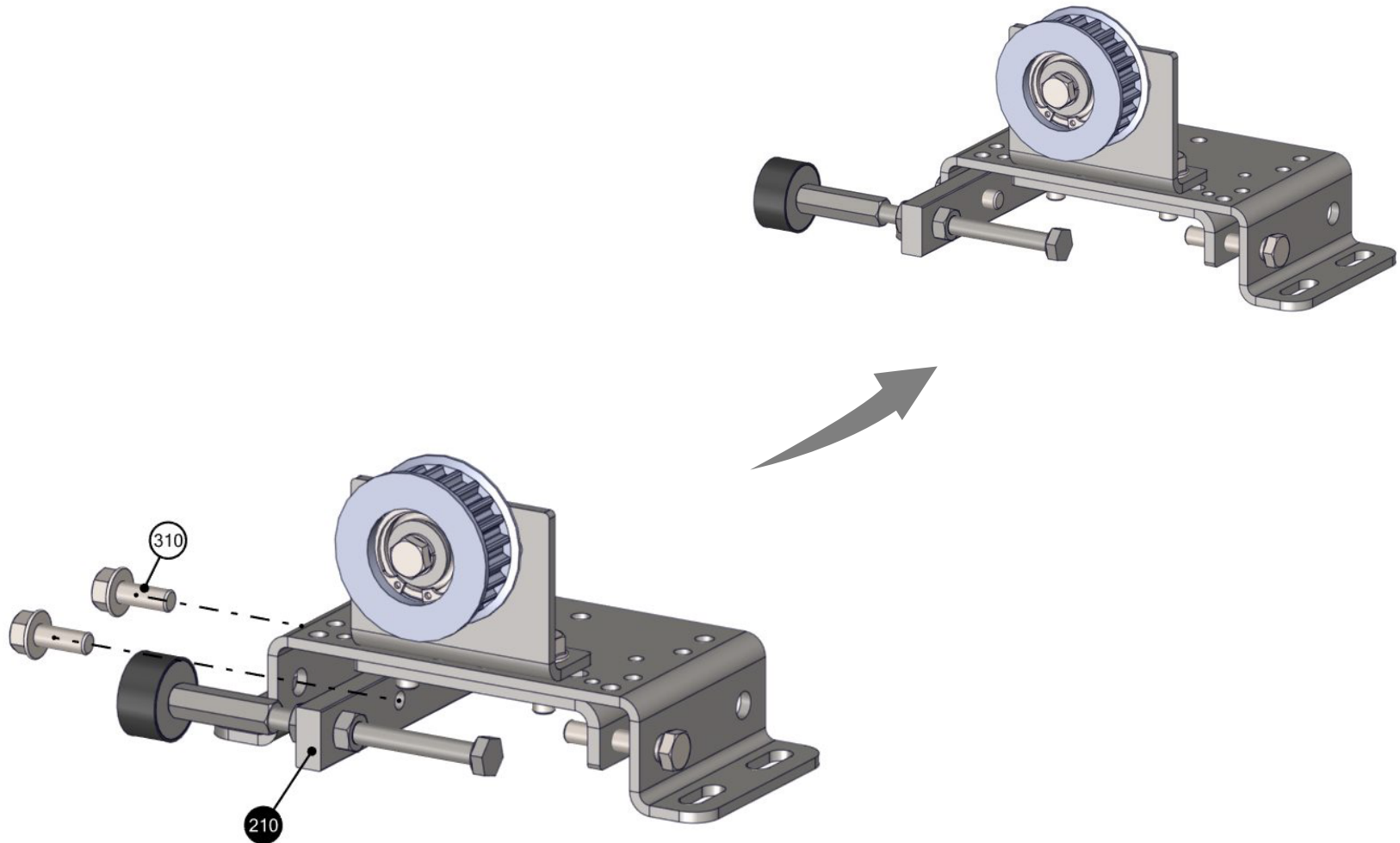




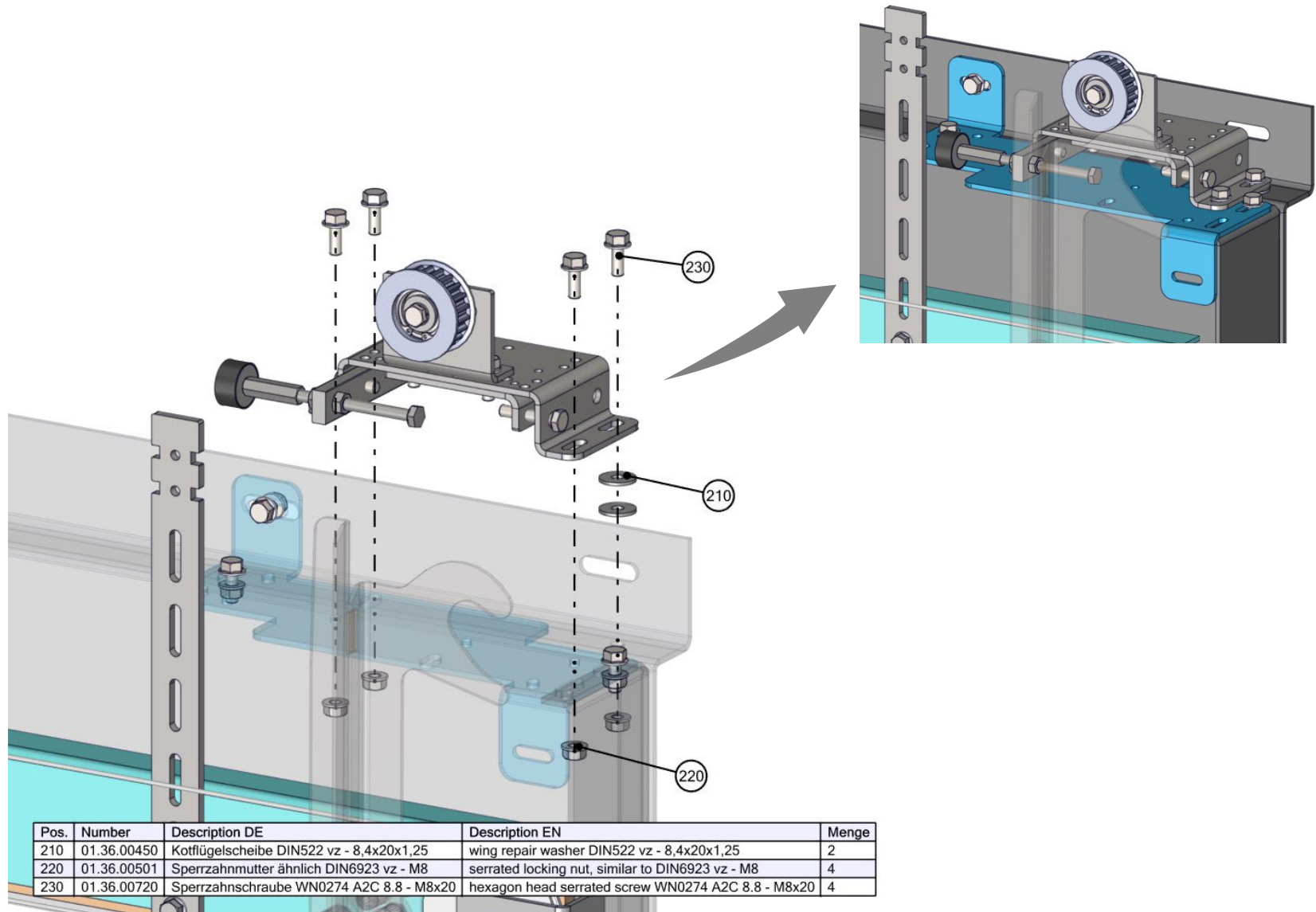
Pos.	Number	Description DE	Description EN	Menge
210	01.20.60013_T1	Halterung Umlenkrolle für Spannstation_T1	TSG bracket for counter roller	1
310	01.36.00115	Sechskantschraube Vollgewinde DIN933 vz 8.8 - M8x40	hexagonal bolt, thread up to head DIN933 vz 8.8 - M8x40	1
320	01.36.00169	Federring DIN127 vz - M8	lock washer DIN127 vz - M8	1
330	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	1
340	01.36.00450	Kotflügelscheibe DIN522 vz - 8,4x20x1,25	wing repair washer DIN522 vz - 8,4x20x1,25	1
410	01.20.60003	TSG Umlenkrad	TSG counter roller	1

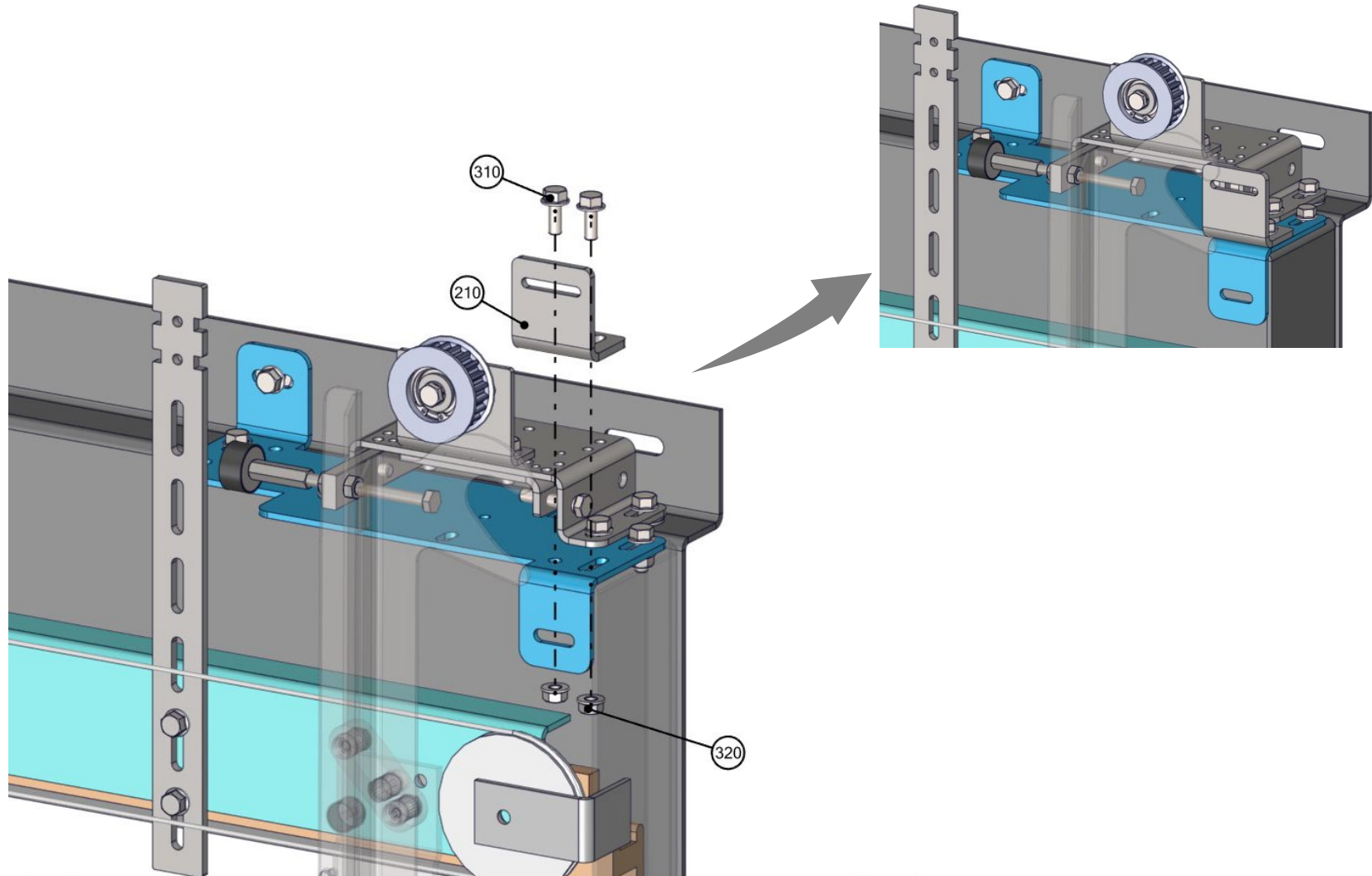


Pos.	Number	Description DE	Description EN	Menge
210	01.20.60060	TSG Kombiwinkel, Ausführung "Hut", für TSG Motor oder Umlenkrad	TSG universal bracket, version "hat"	1
220	01.20.60110	Spannlasche für Spannstation	clamping tab for clamping station, normal execution	1
310	01.36.00115	Sechskantschraube Vollgewinde DIN933 vz 8.8 - M8x40	hexagonal bolt, thread up to head DIN933 vz 8.8 - M8x40	1
320	01.36.00720	Sperrzahnschraube WN0274 A2C 8.8 - M8x20	hexagon head serrated screw WN0274 A2C 8.8 - M8x20	2

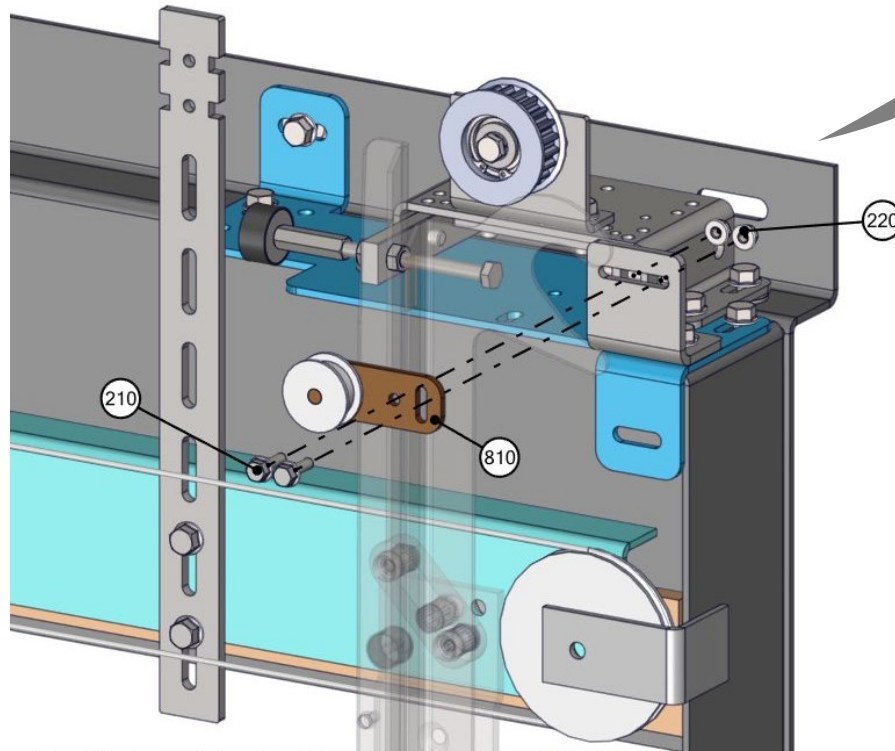


Pos.	Number	Description DE	Description EN	Menge
210	01.20.60030	TSG Anschlagsatz Puffer inkl. Halterung	TSG stopper kit buffer incl. holder	1
310	01.36.00720	Sperrzahnschraube WN0274 A2C 8.8 - M8x20	Hexagon head serrated screw WN0274 A2C 8.8 - M8x20	2

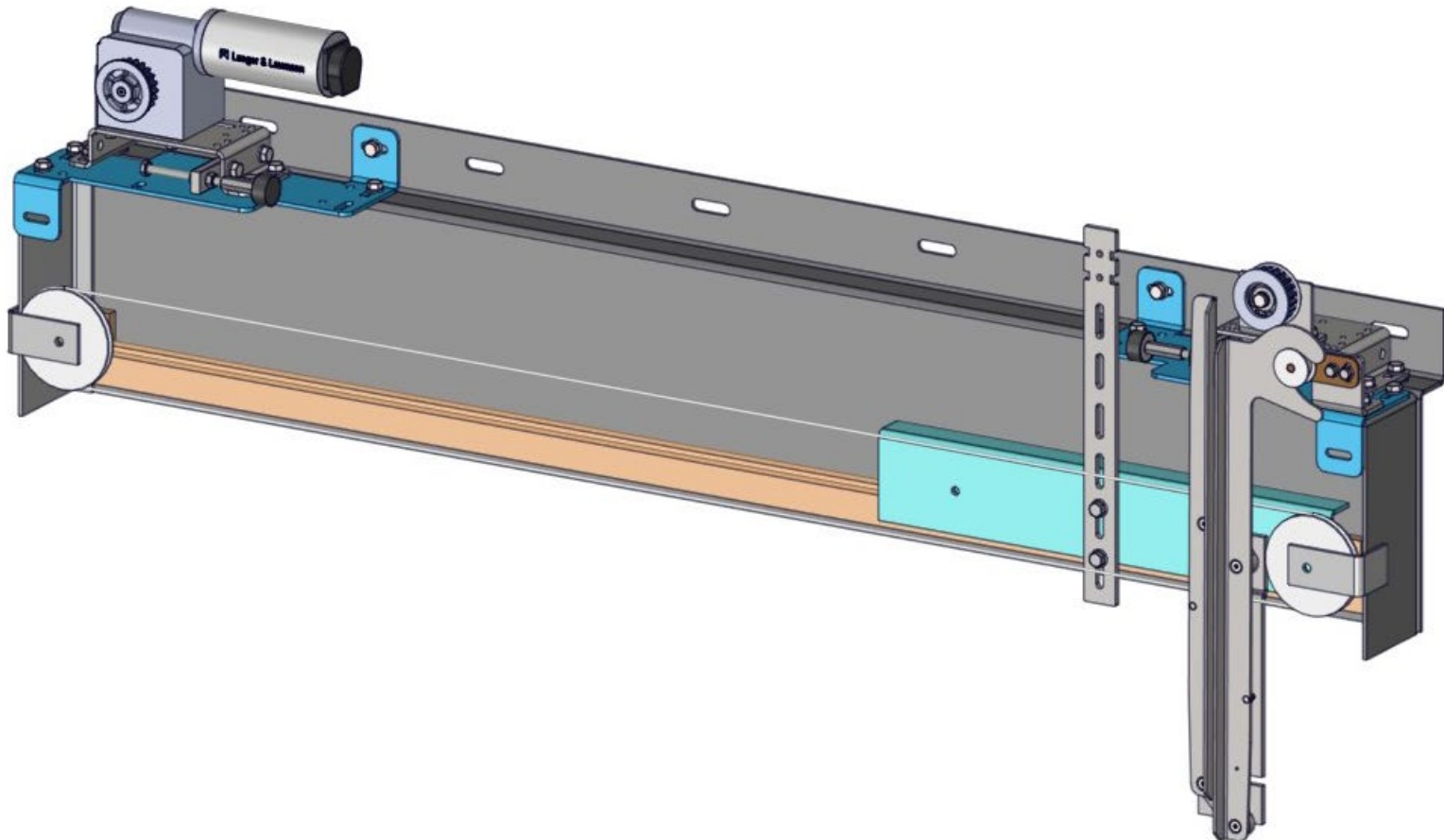




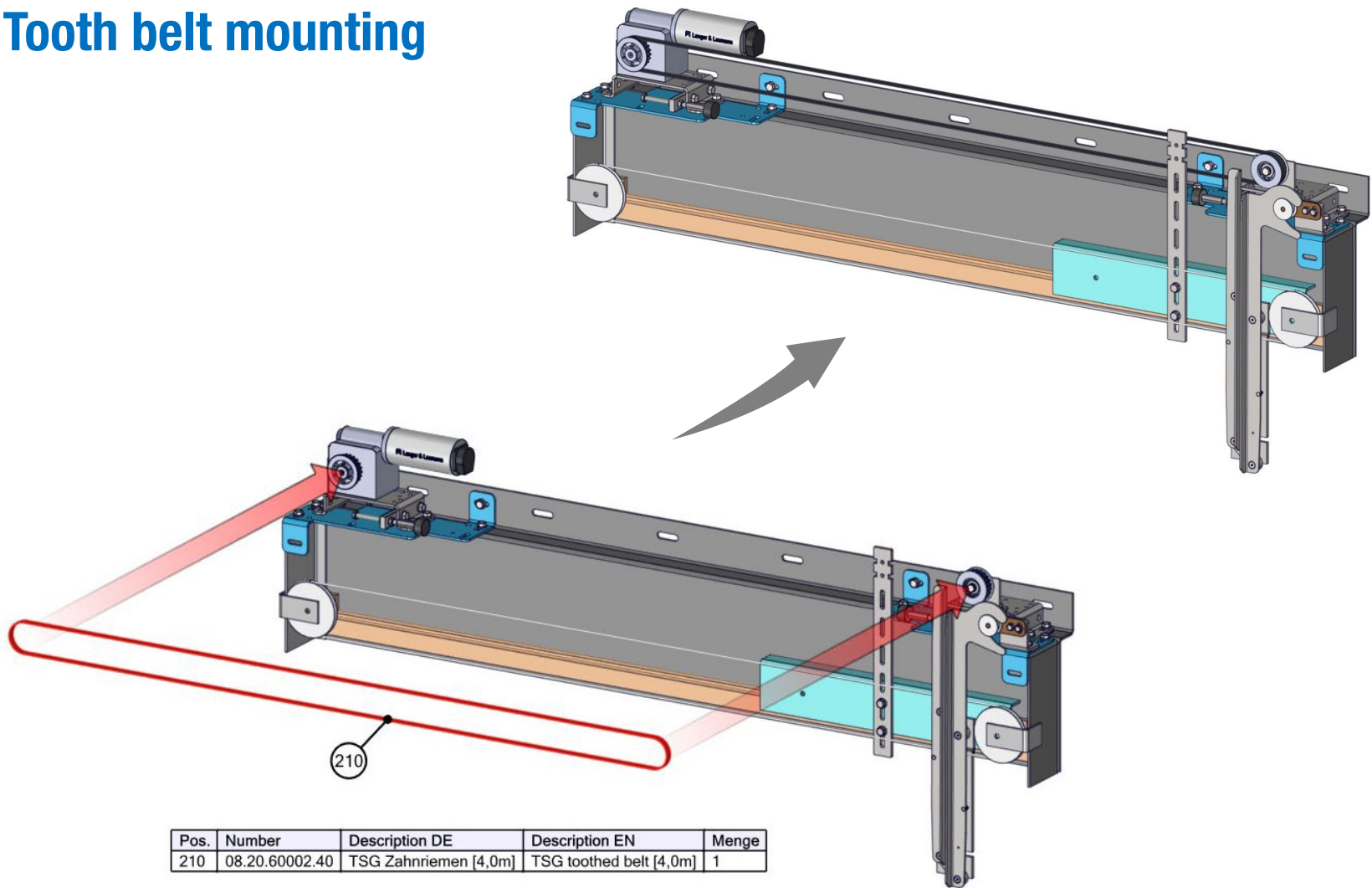
Pos.	Number	Description DE	Description EN	Menge
210	01.20.92567	Riegelrollenhalter für Spindeltrieb	bolt roller holder for spindle drive	1
310	01.36.00720	Sperrzahnschraube WN0274 A2C 8.8 - M8x20	hexagon head serrated screw WN0274 A2C 8.8 - M8x20	2
320	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	2

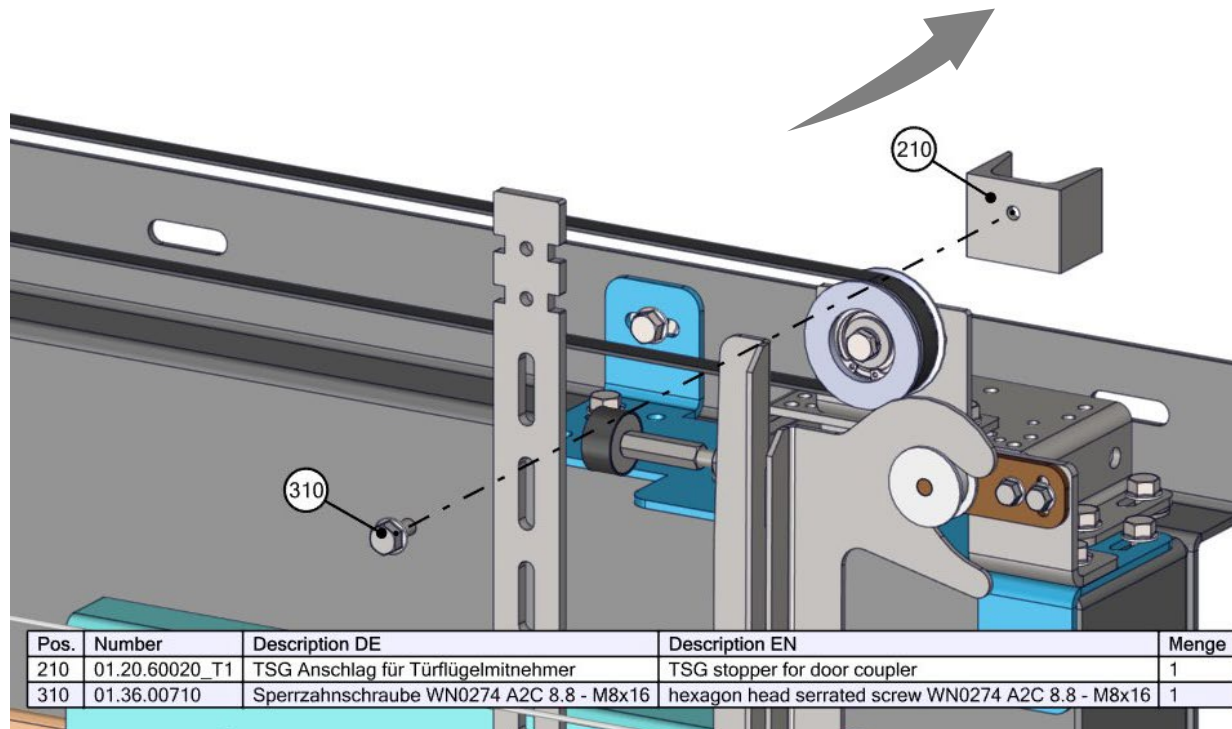
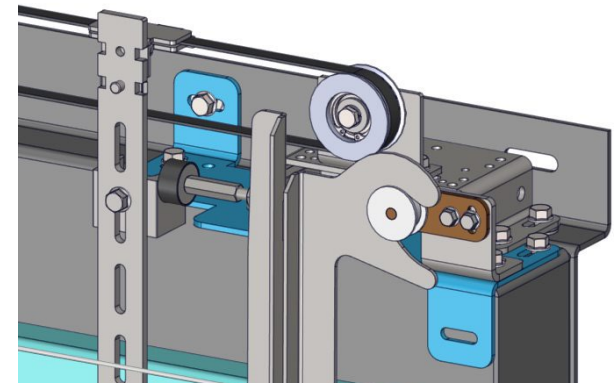


Pos.	Number	Description DE	Description EN	Menge
210	01.36.00137	Sperrzahnschraube vz 8.8 6x20	Hexagon head serrated screw WN0274 A2C 8.8 - M6x20	2
220	01.36.00502	Sperrzahnmutter, ähnlich DIN6923 vz - M6	ribbed nuts, similar to DIN6923 vz - M6	2
810	-	original Riegelrolle für Schwertbetätigung	original bolt roller for skate actuation	1

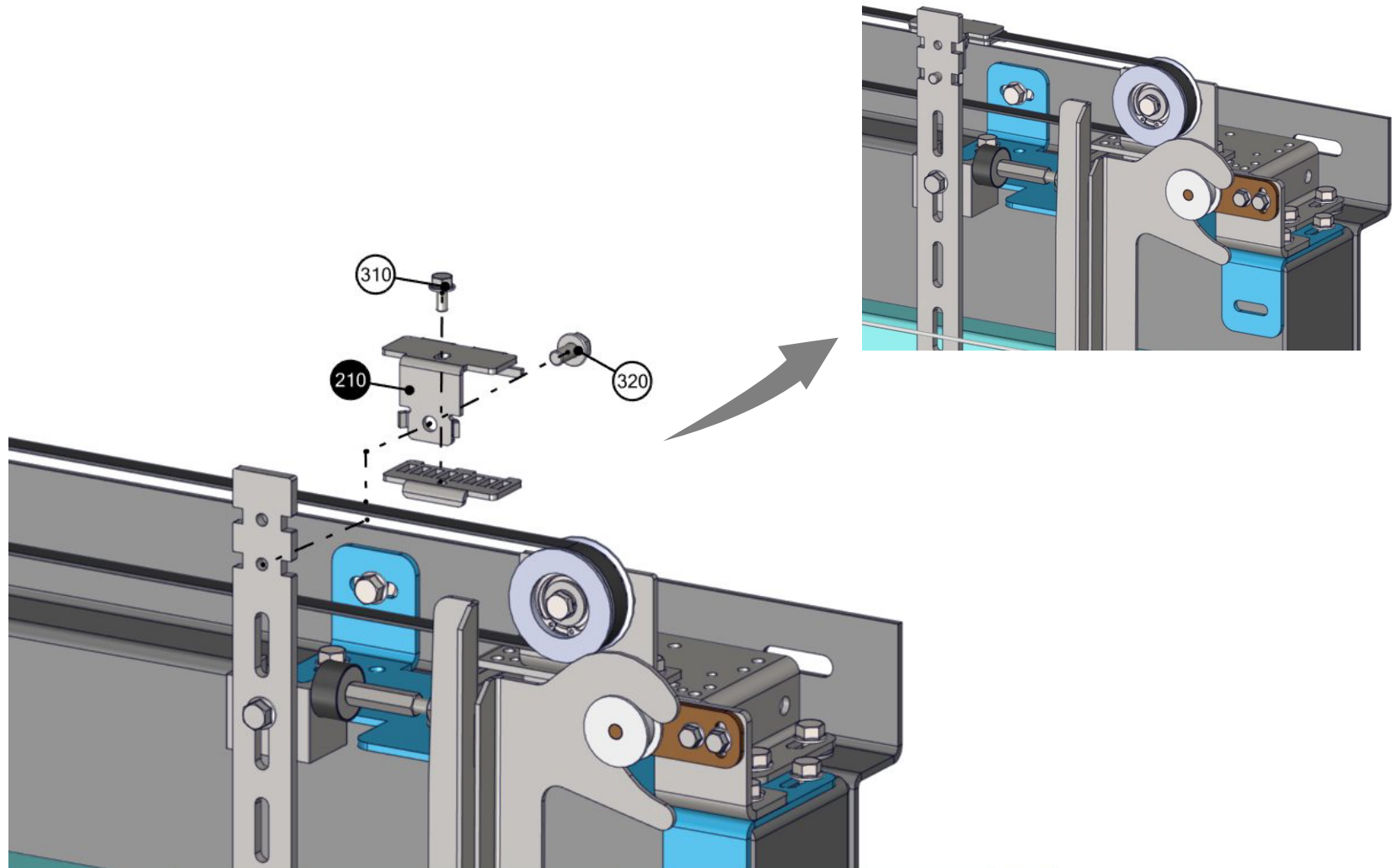


Montage Zahnriemen – Tooth belt mounting



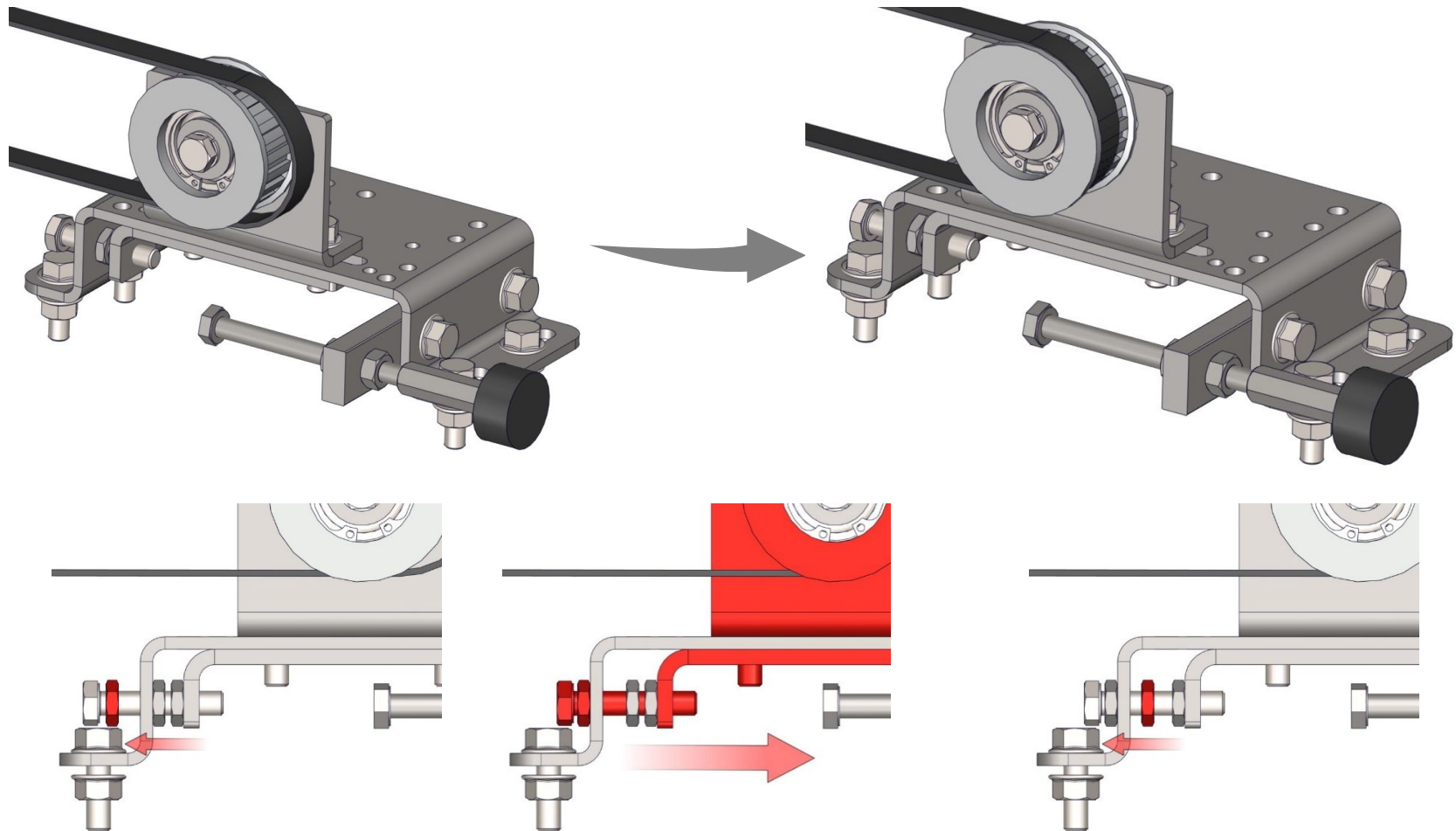


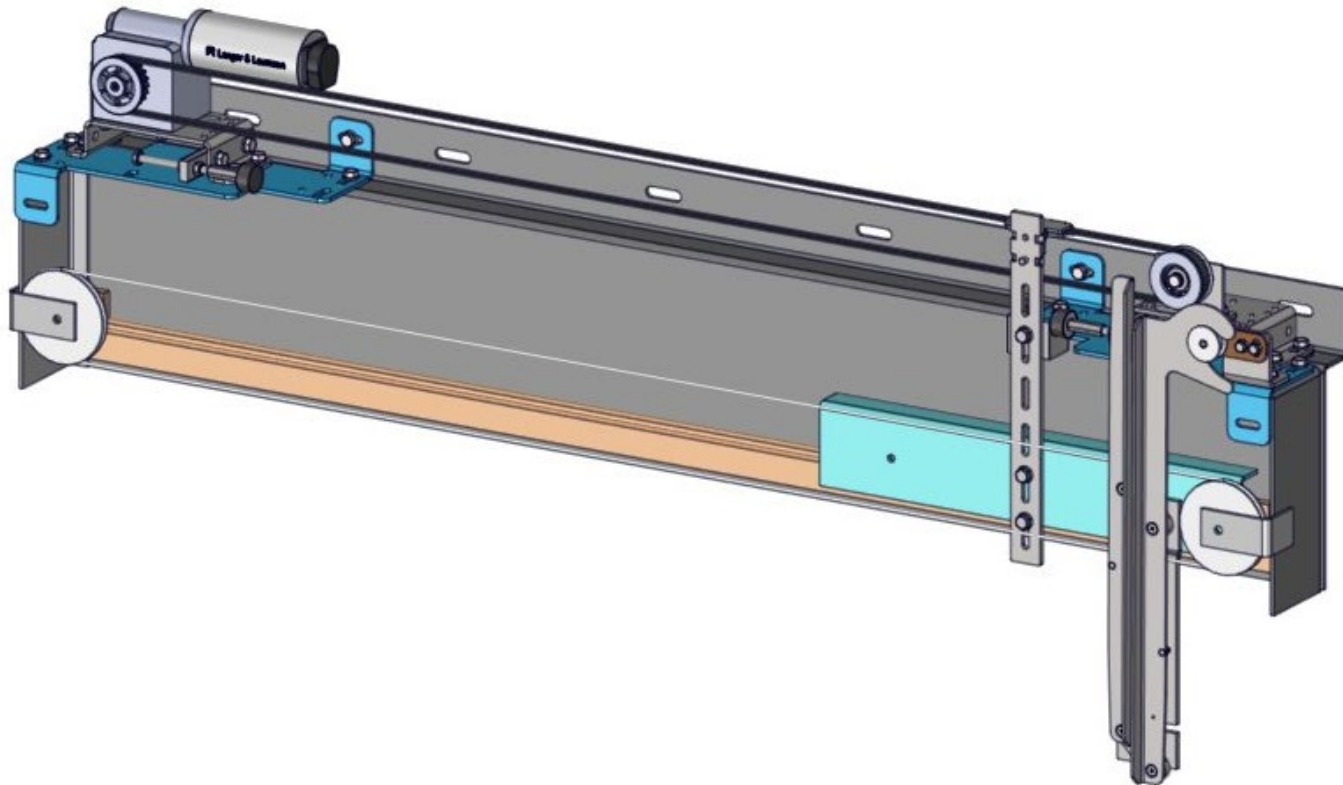
Pos.	Number	Description DE	Description EN	Menge
210	01.20.60020_T1	TSG Anschlag für Türflügelmitnehmer	TSG stopper for door coupler	1
310	01.36.00710	Sperrzahnschraube WN0274 A2C 8.8 - M8x16	hexagon head serrated screw WN0274 A2C 8.8 - M8x16	1



Pos.	Number	Description DE	Description EN	Menge
210	01.20.60005	TSG Zahnriemenschluss, Stahl	TSG toothed belt lock, steel	1
310	01.36.00135	Sperrzahnschraube DIN 6921 M6x12 verz.	hexagon head serrated screw WN0274 A2C 8.8 - M6x12	1
320	01.36.00710	Sperrzahnschraube WN0274 A2C 8.8 - M8x16	hexagon head serrated screw WN0274 A2C 8.8 - M8x16	1

Zahnriemen spannen - Tensioning tooth belt







Langer & Laumann Ingenieurbüro GmbH
Wilmsberger Weg 8
48565 Steinfurt
Germany

Tel.: +49 (2552) 92791 0

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