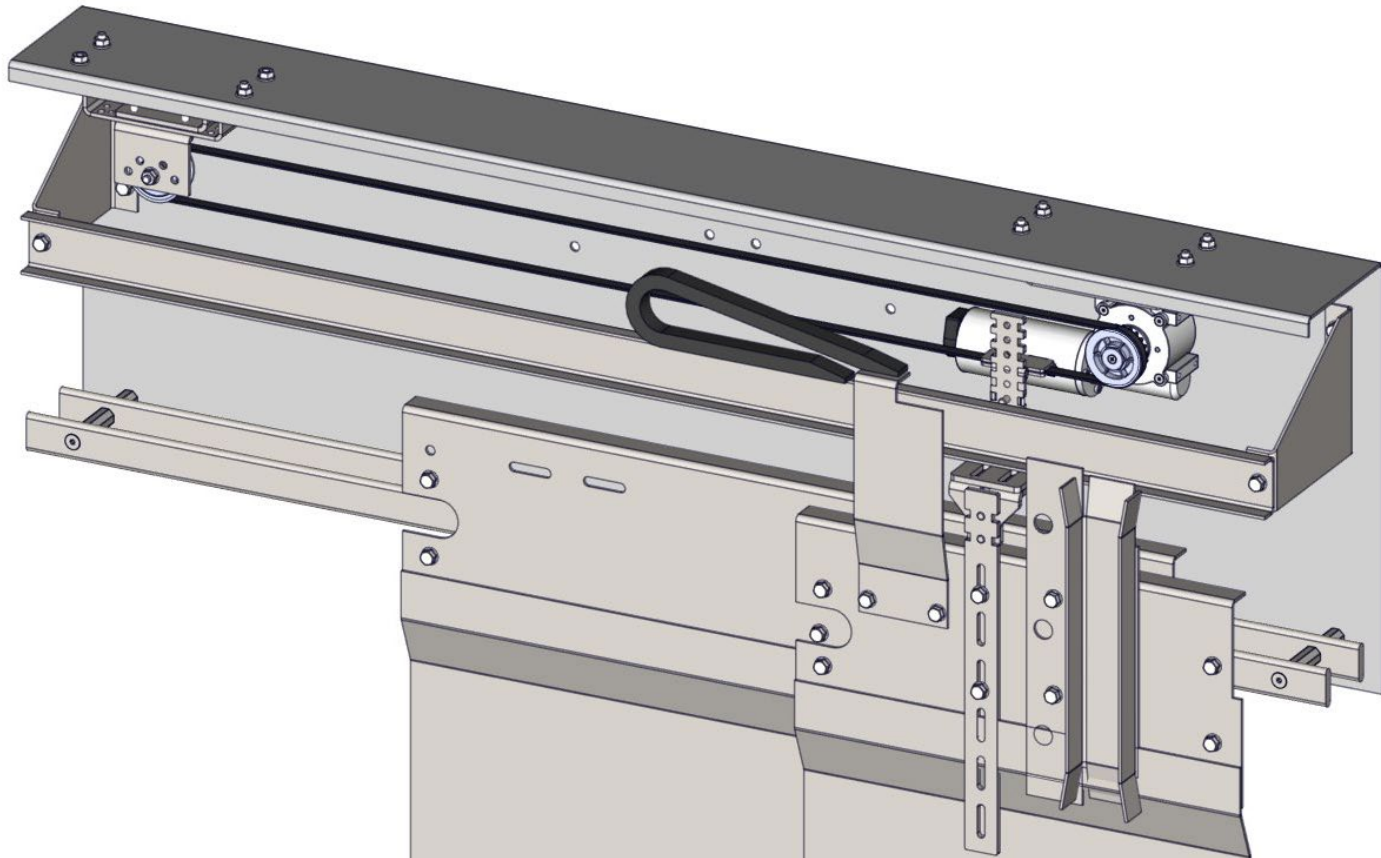


Montageanleitung **Assembly Instruction**

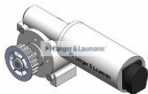
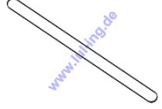
TSG in Starlift Typ 1 **TSG in Starlift type 1**

TSG in Starlift Typ 1 – TSG in Starlift type 1



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
	1.20.60069	TSG Türflügelmitnehmer, extra lang (ca. 67,5cm)	TSG door panel coupler, XL (ca. 67,5cm)	1
	8.20.11010	TSG Türflügelmitnehmer rechtwinkelig	TSG door panel coupler, right angled	1
	8.20.11020	TSG Set Abstandshalter zwischen Zahnriemenschluss und Mitnehmer	TSG set spacer between belt lock and door panel coupler	1
	8.20.60002.40	TSG Zahnriemen [4,0m]	TSG toothed belt [4,0m]	1

picture	Number	description DE	description EN	quantity
	8.20.13310	Schraubentüte	screw bag	1

Vor Umbau – before conversion

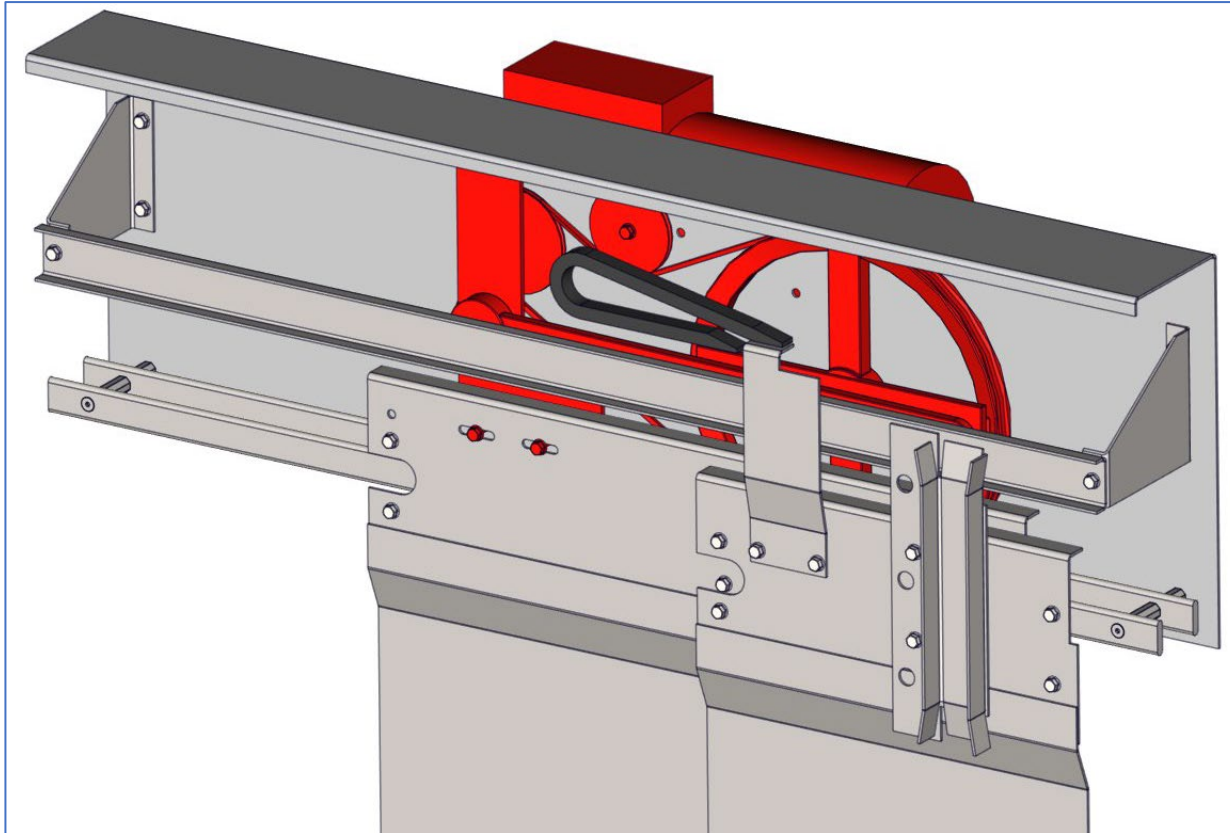
TL



**TR spiegelbildlich –
TR mirrored**

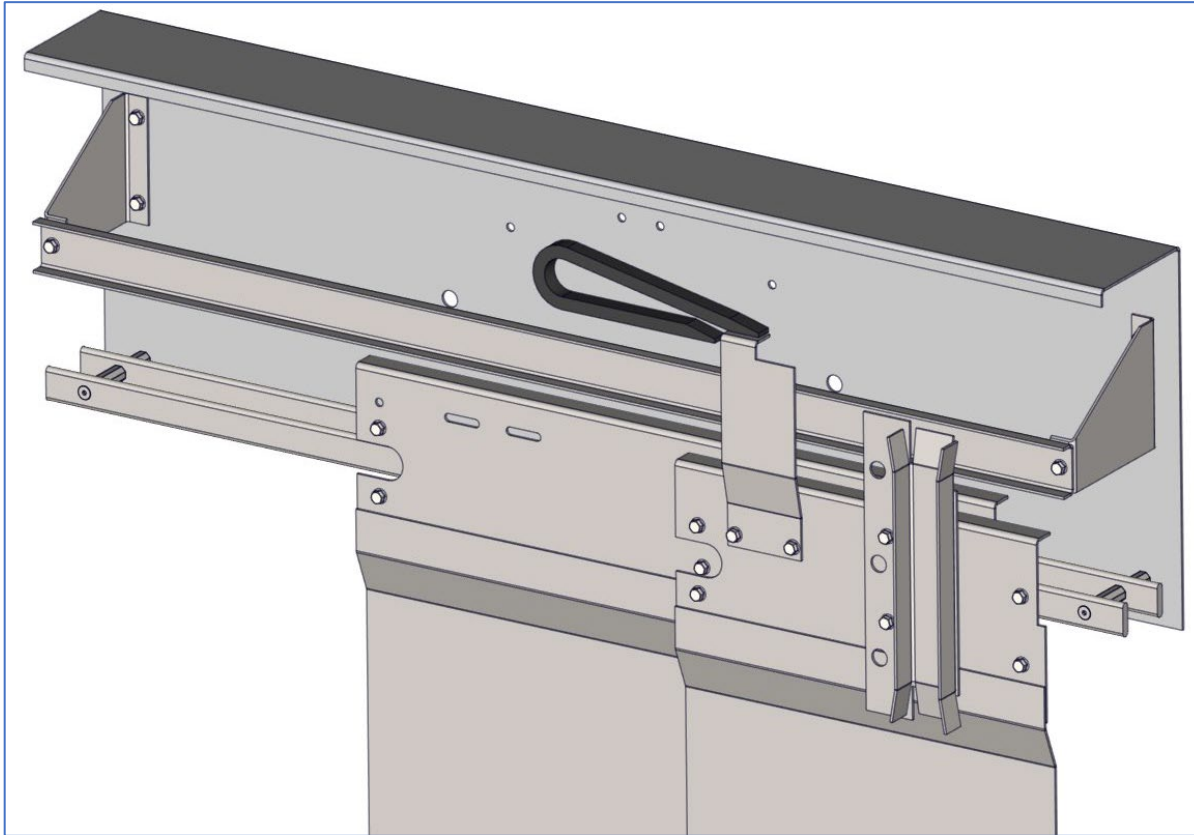
Vor Umbau entfernen – remove before conversion

TL

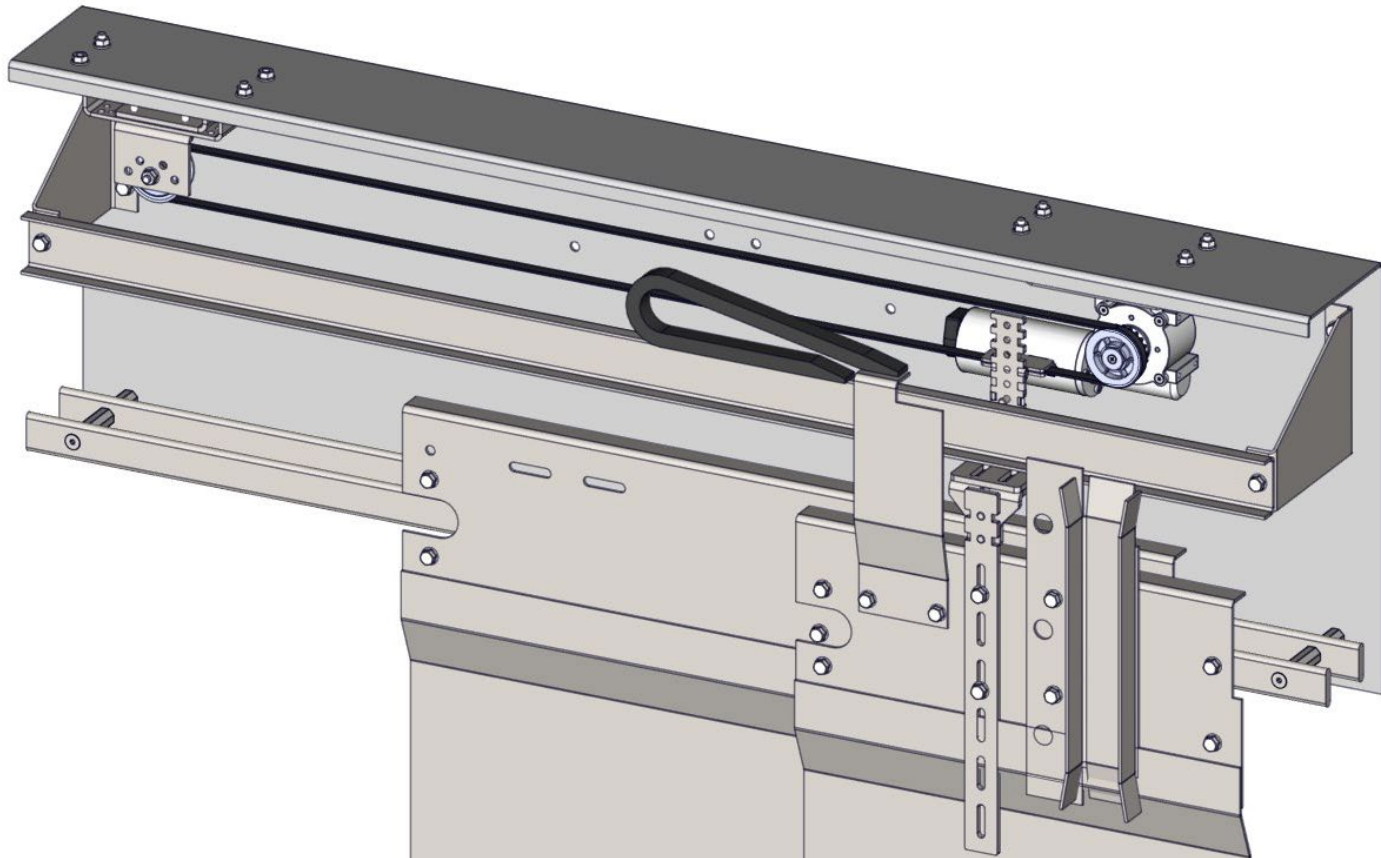


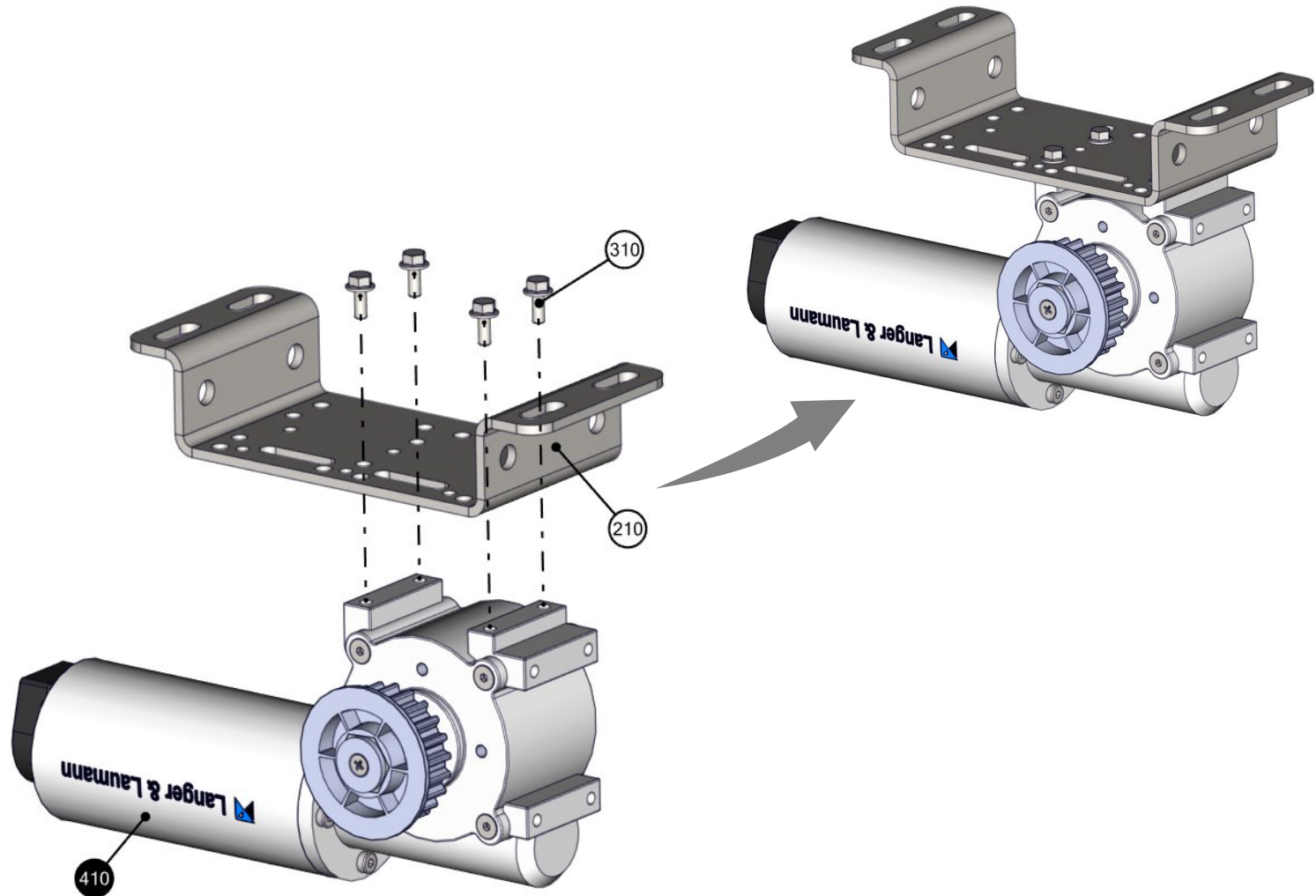
TR spiegelbildlich –
TR mirrored

Nach Demontage – after disassembly

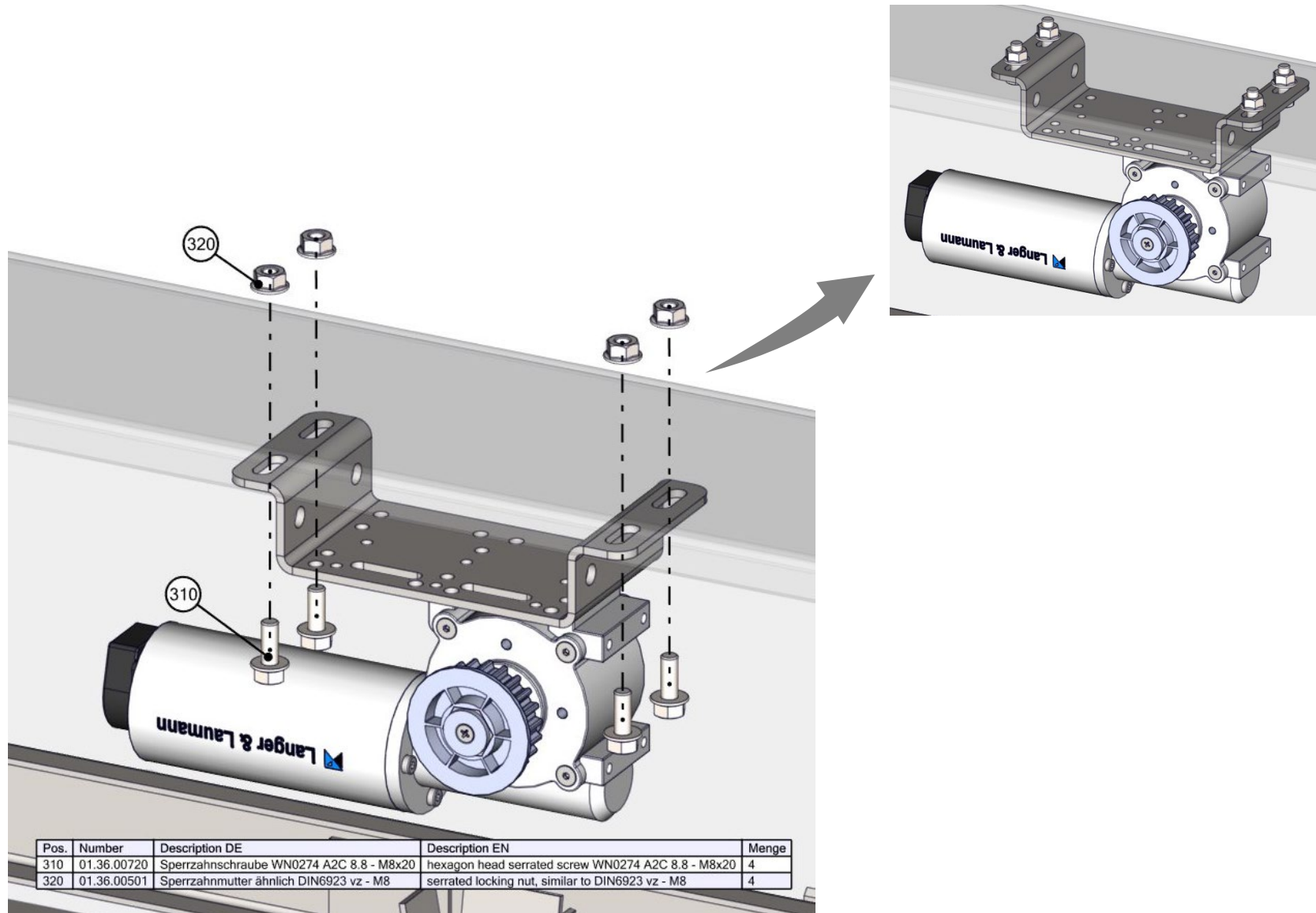


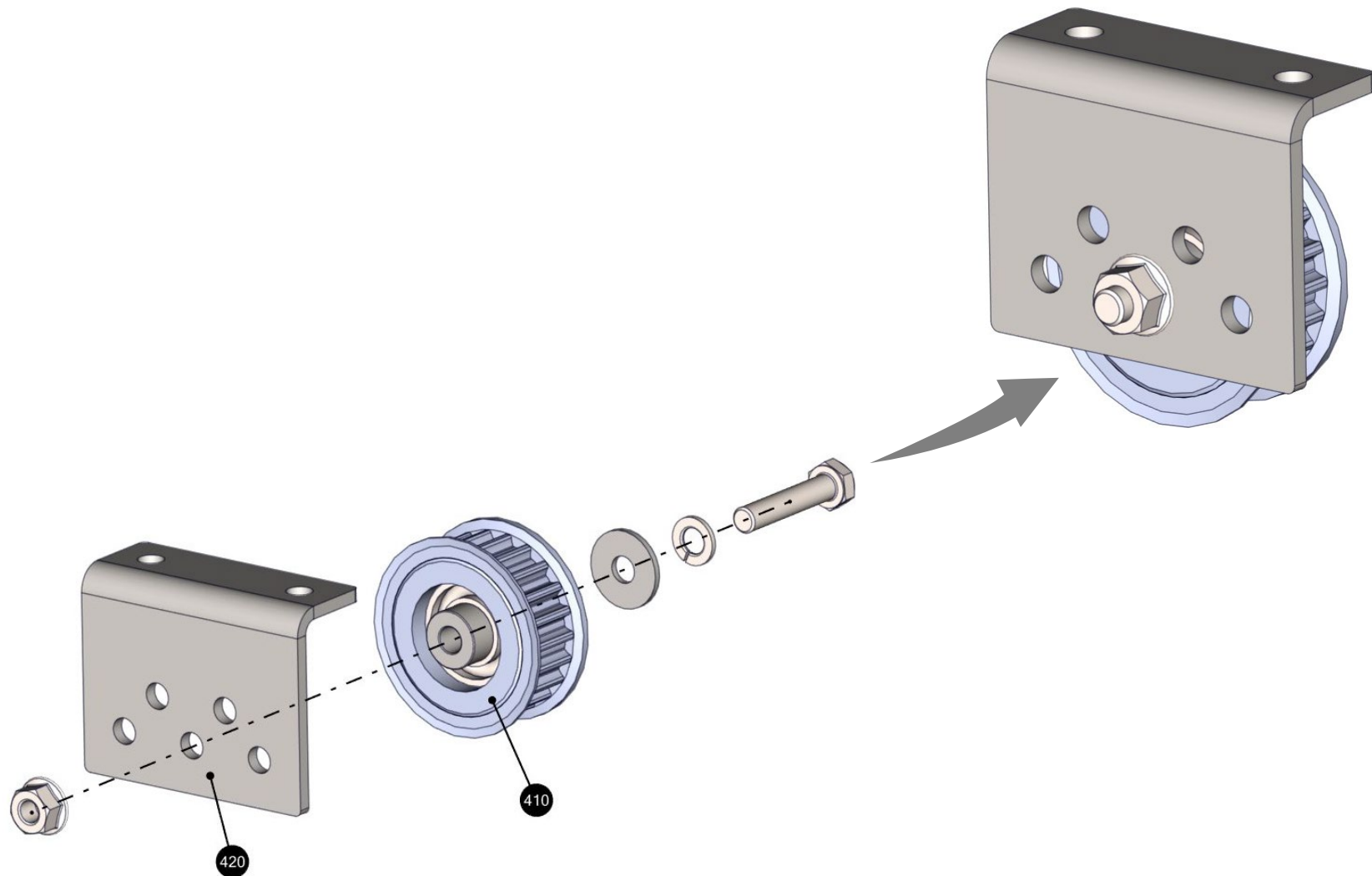
Montage TSG – assembly of the TSG



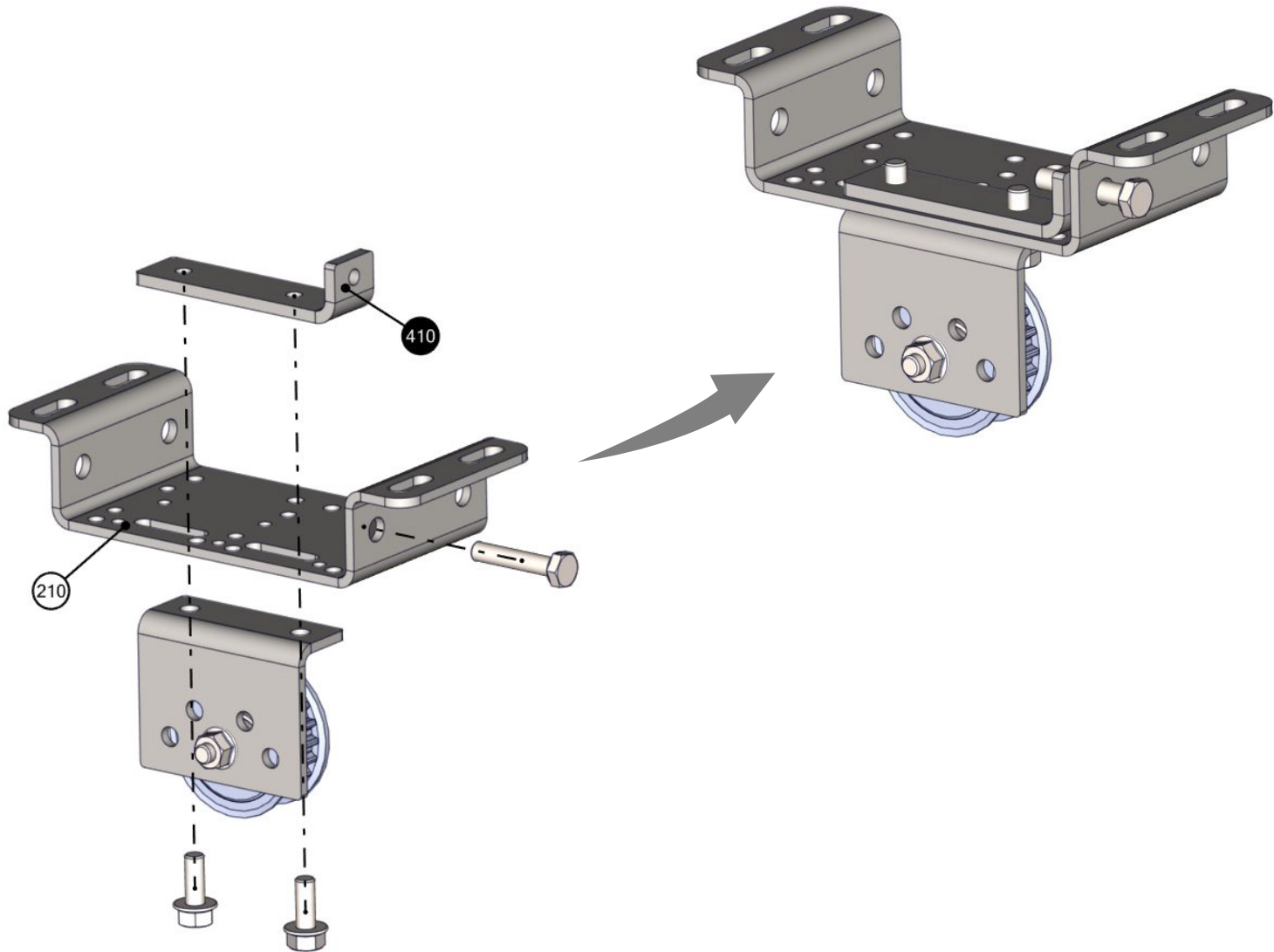


Pos.	Number	Description DE	Description EN	Menge
210	01.20.60060	TSG Kombiwinkel, Ausführung "Hut", für TSG Motor oder Umlenkrad	TSG universal bracket, version "hat"	1
310	01.36.00135	Sperrzahnschraube DIN 6921 M6x12, 8.8, vz	hexagon head serrated screw WN0274 A2C 8.8 - M6x12	4
410	08.20.40001.K1	Motor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

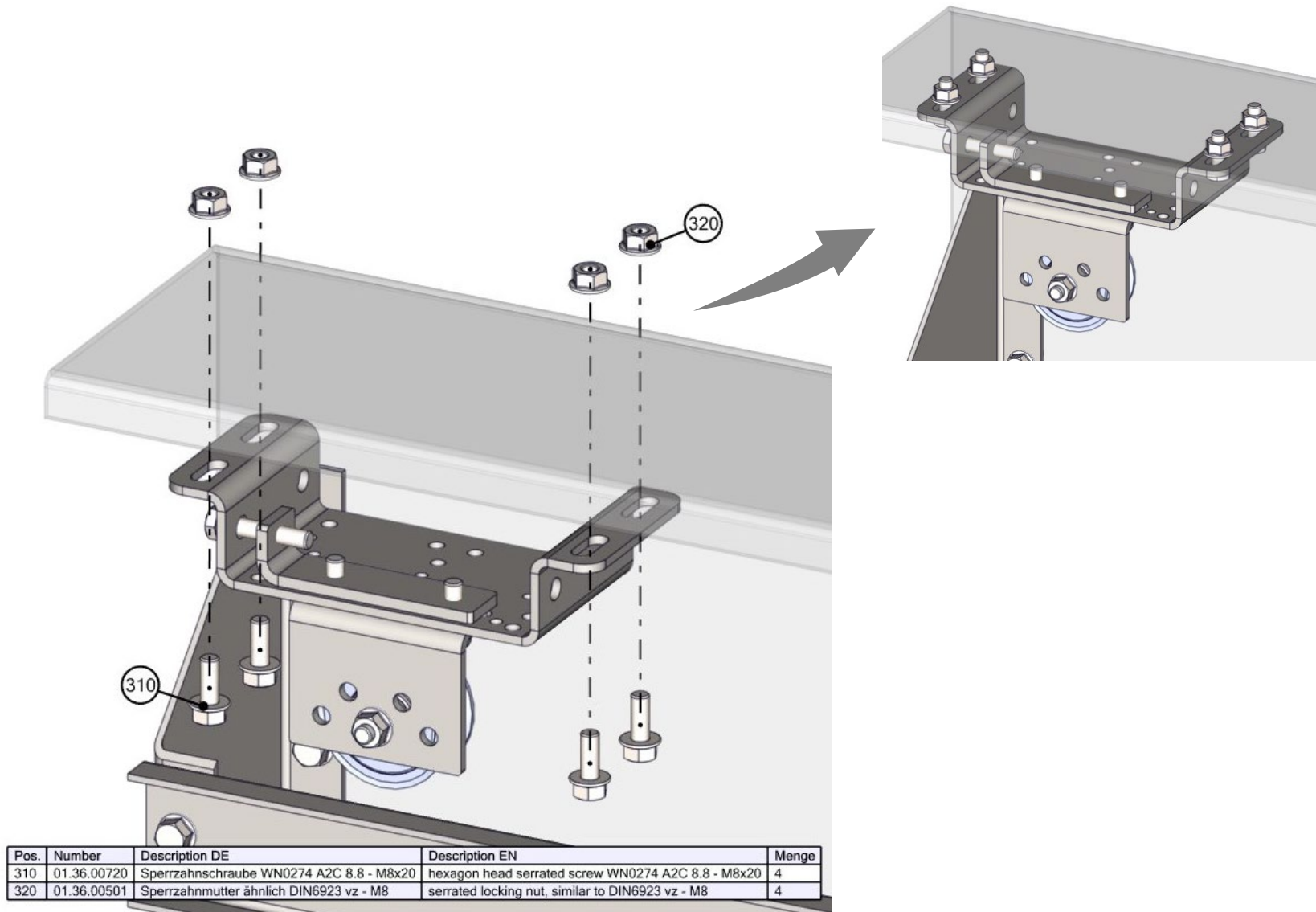




Pos.	Number	Description DE	Description EN	Menge
410	01.20.60003	Tüte Umlenkrolle	Tüte Umlenkrolle	1
420	01.20.60013	Halterung Umlenkrolle mit Spannlasche	TSG bracket for counter roller	1

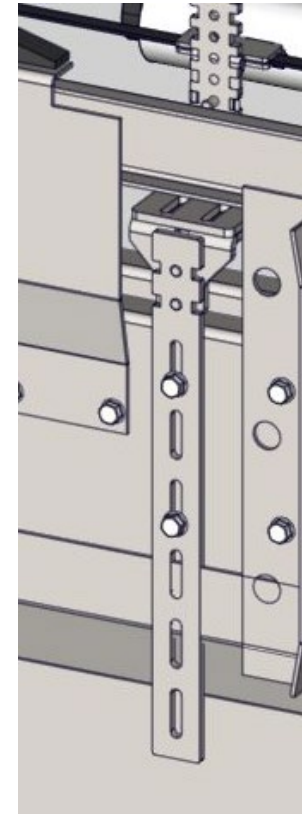
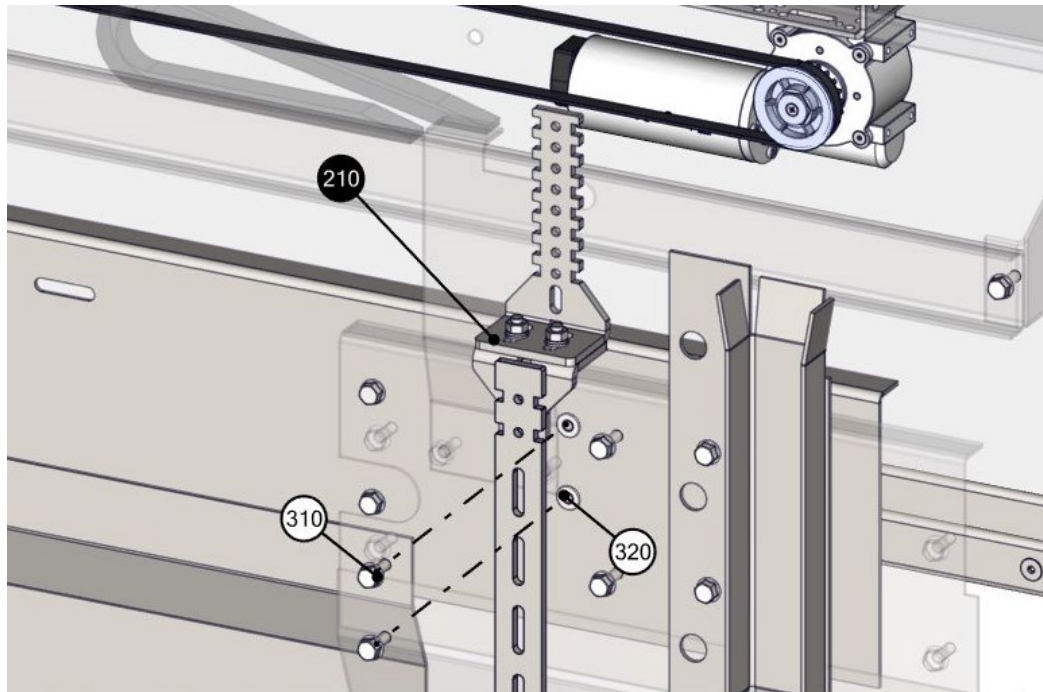


Pos.	Number	Description DE	Description EN	Menge
210	01.20.60060	TSG Kombiwinkel, Ausführung "Hut", für TSG Motor oder Umlenkrad	TSG universal bracket, version "hat"	1
410	01.20.60013	Halterung Umlenkrad mit Spannlasche	TSG bracket for counter roller	1



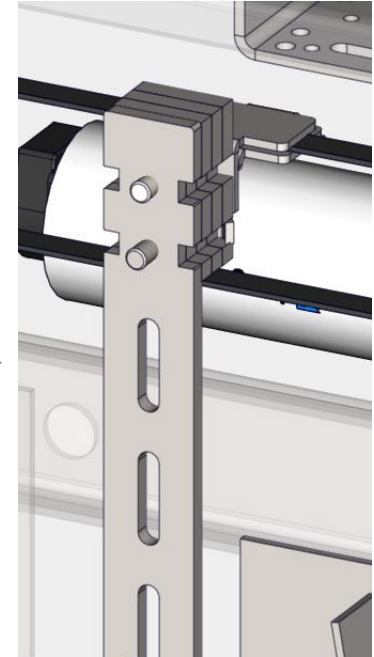
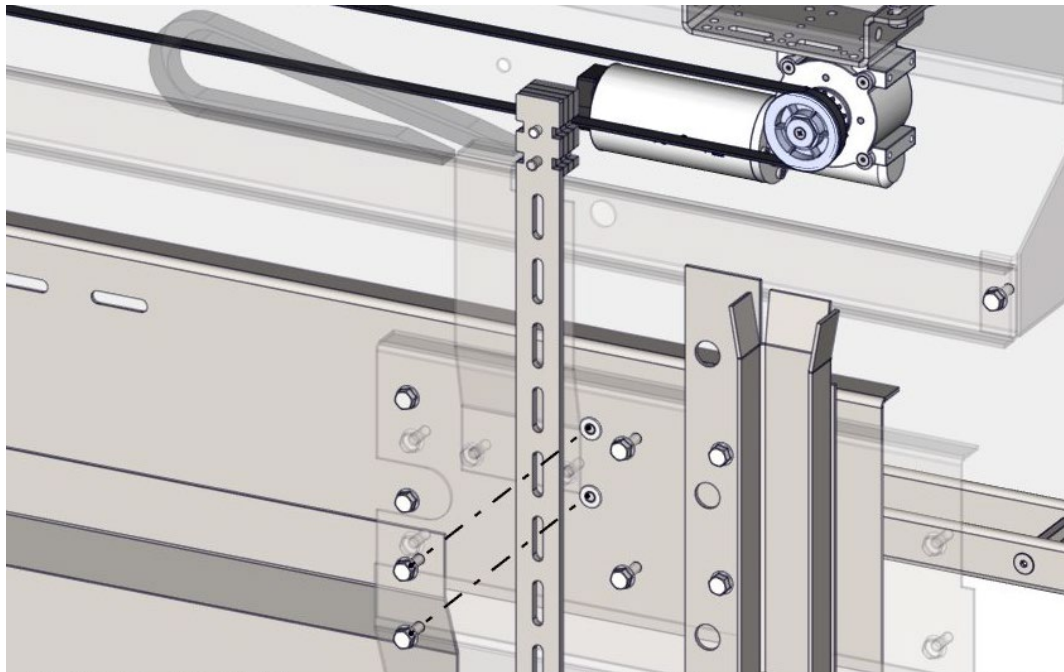
Türflügelmitnehmer Variante 1 - door panel coupler variant 1

Bei Bedarf muss der Türflügelmitnehmer eingekürzt werden -
door panel coupler must be cut to length if necessary



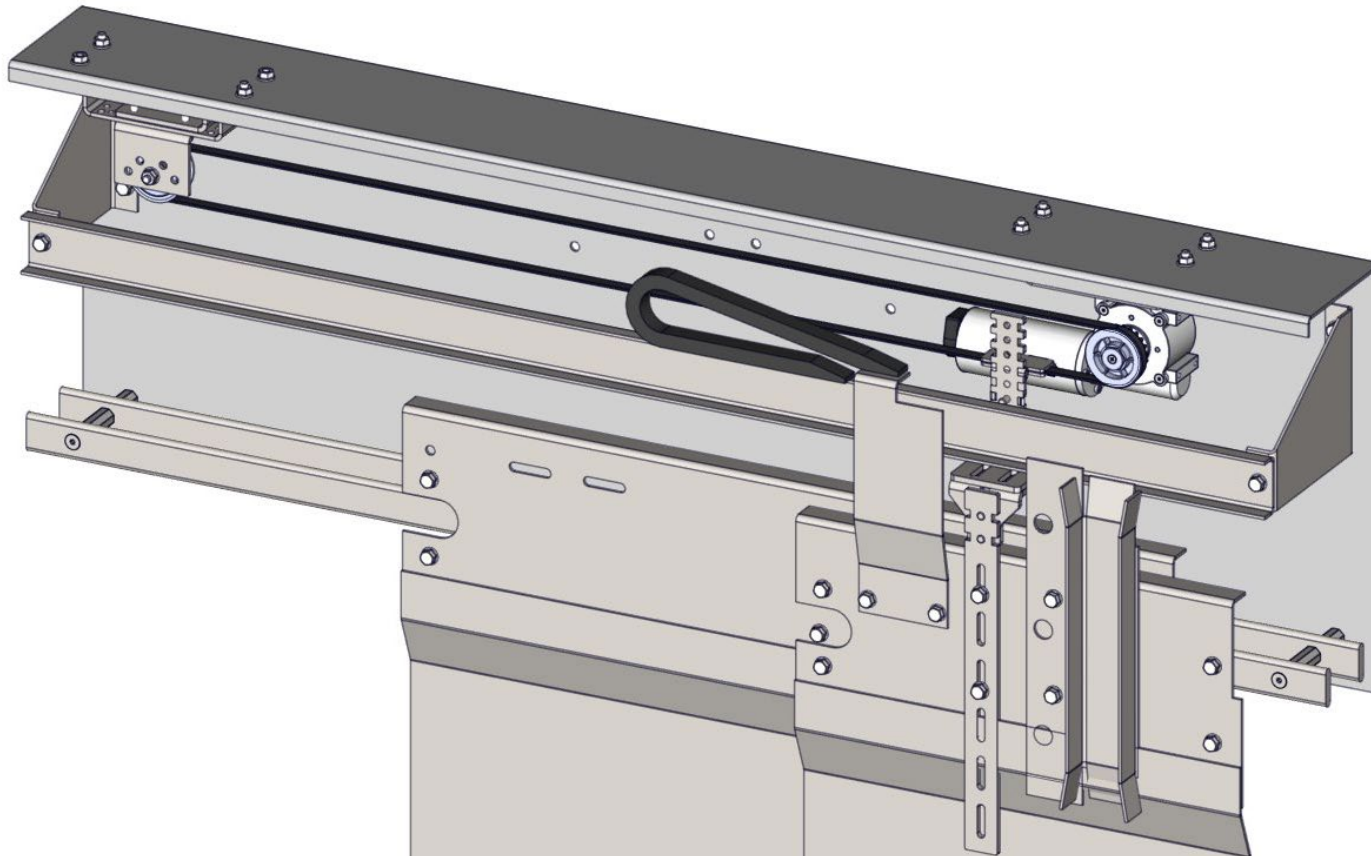
Pos.	Number	Description DE	Description EN	Menge
210	08.20.11010	TSG Türflügelmitnehmer rechtwinklig	TSG door panel coupler, right angled	1
310	01.36.00720	Sperrzahnschraube WN0274 A2C 8.8 - M8x20	hexagon head serrated screw WN0274 A2C 8.8 - M8x20	2
320	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	2

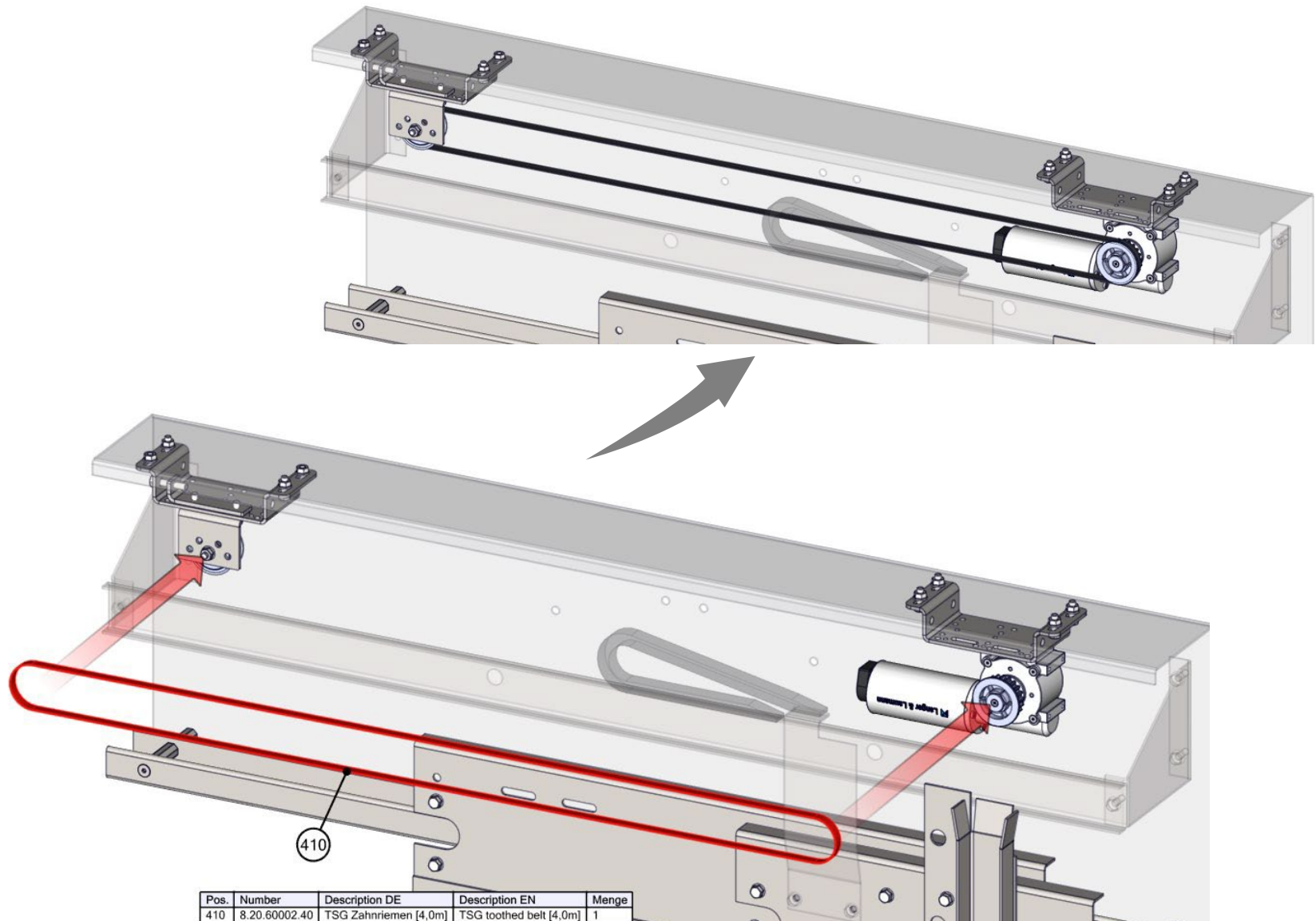
Türflügelmitnehmer Variante 2 - door panel coupler variant 2

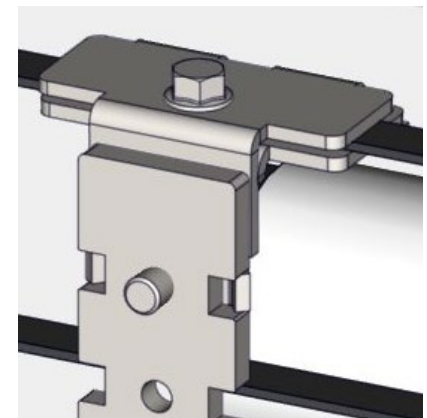
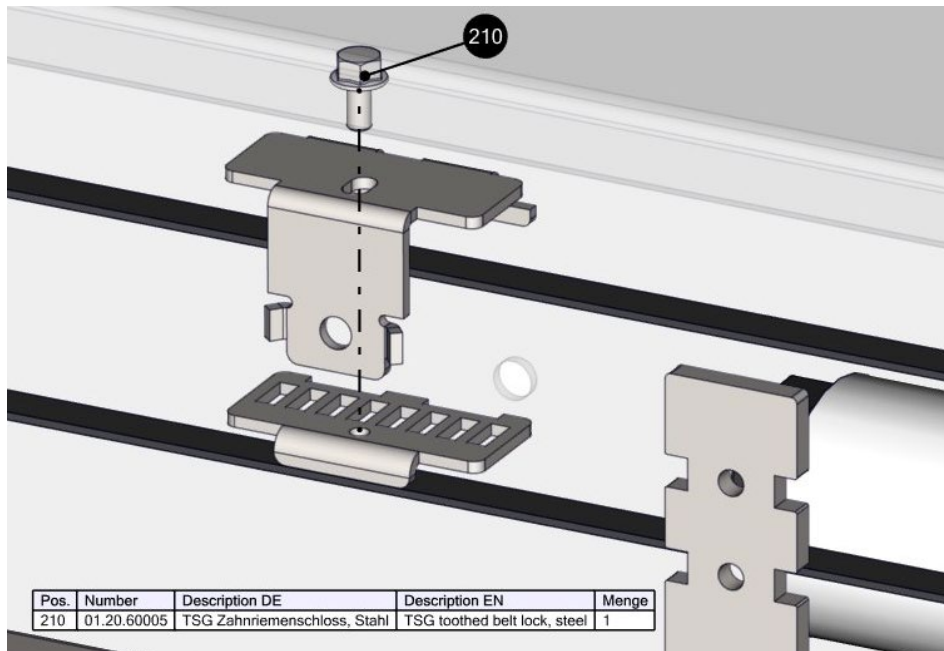
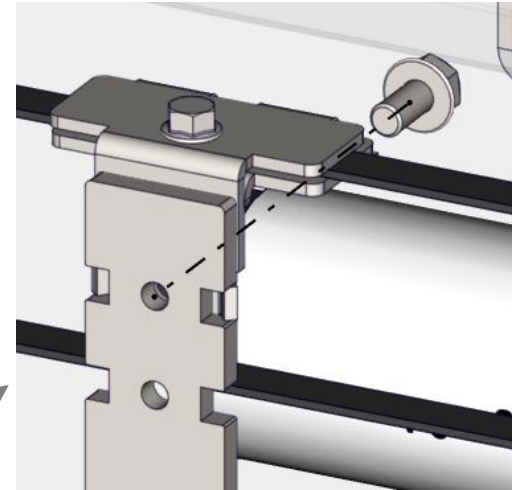


Pos.	Number	Description DE	Description EN	Menge
210	08.20.11020	TSG Set Abstandhalter, Zahnriemenschloss und Mitnehmer	TSG set spacer, toothed belt lock and coupler	1
310	01.36.00720	Sperrzahnschraube WN0274 A2C 8.8 - M8x20	hexagon head serrated screw WN0274 A2C 8.8 - M8x20	2
320	01.36.00501	Sperrzahnmutter ähnlich DIN6923 vz - M8	serrated locking nut, similar to DIN6923 vz - M8	2

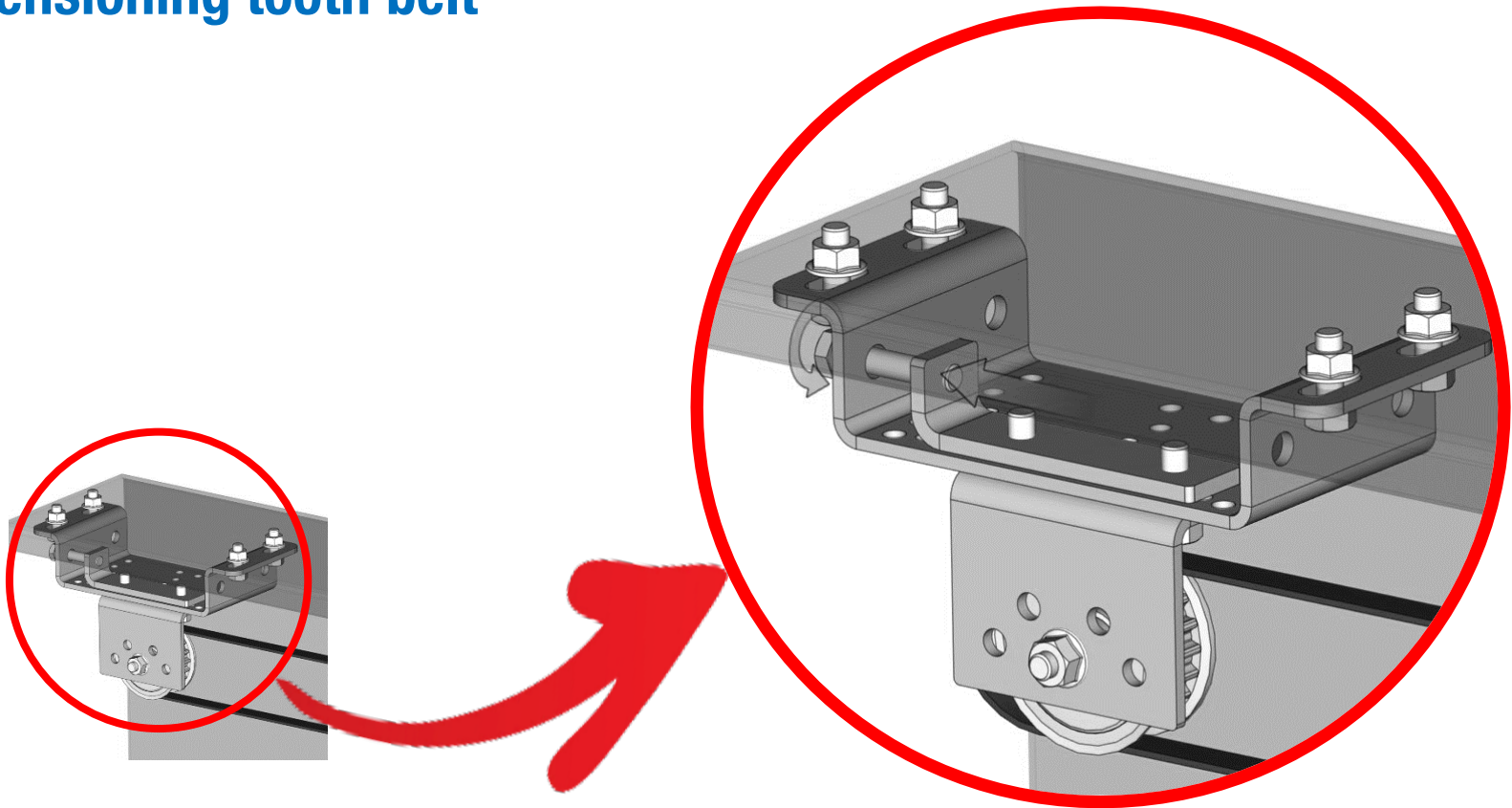
Montage Zahnriemen – assembly of the toothed belt

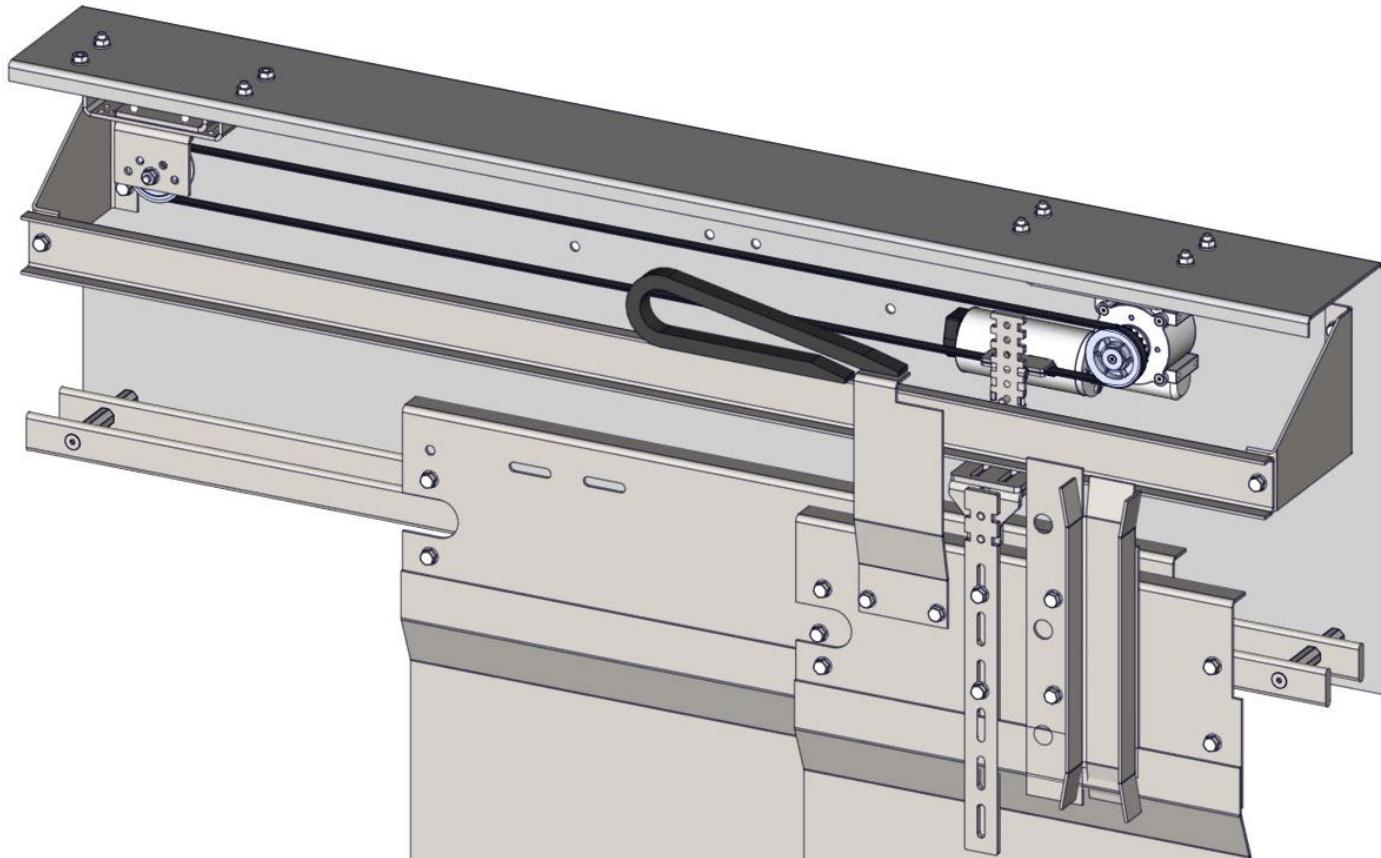






Zahnriemen spannen - tensioning tooth belt







Langer & Laumann Ingenieurbüro GmbH
Wilmsberger Weg 8
48565 Steinfurt
Germany

Tel.: +49 (2552) 92791 0

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