



FÖRDERSYSTEM X85X/X180X/X300X

MONTAGEHANDBUCH



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1 Sicherheit

Das Fördersystem wurde so konzipiert, dass es auf sichere Weise verwendet und gewartet werden kann. Dies gilt auch für die Anwendung, die Bedingungen und die Anweisungen, die in dem Handbuch beschrieben werden. Jede Person, die mit oder an der Maschine arbeitet, sollte dieses Handbuch gelesen haben und die Anweisungen befolgen. Es liegt in der Verantwortung des Arbeitgebers, sicherzustellen, dass die Mitarbeiter mit den Anweisungen vertraut sind und diese befolgen.

In dem Unternehmen oder Land, in dem die Maschine benutzt wird, können besondere Sicherheitsmaßnahmen erforderlich sein. Dies gilt insbesondere für die Arbeitsbedingungen. Auf die Durchführung dieser zusätzlichen Sicherheitsmaßnahmen wird in diesem Handbuch nicht eingegangen. Im Zweifelsfall wenden Sie sich an Ihre zuständigen Behörden oder Ihren Sicherheitsbeauftragten!

1.1 Systeminformationen

Wenn mit FlexLink hinsichtlich der Maschine kommuniziert wird, sollte immer die Projektnummer und/oder die allgemeine Zeichnungsnummer angegeben werden.

1.2 Wichtige Sicherheitsanforderungen

Wenn die Maschine von einem Maschinenführer bedient werden soll, müssen die folgenden Sicherheitsanforderungen erfüllt sein:

- Stellen Sie sicher, dass ausschließlich befugte Mitarbeiter Zugang zur Maschine und deren Umgebungsbereich haben, indem Sie die Anlage beispielsweise einzäunen.
- Nur Personen, die die Betriebsanleitung gelesen und verstanden haben, sind berechtigt, die Maschine zu bedienen, zu warten und zu reinigen.
- Nicht in die Maschine fassen, während diese in Betrieb oder eingeschaltet ist. Selbst wenn die Maschine nicht in Betrieb ist, kann sie „eingeschaltet“ sein, was heißt, dass sie automatisch in Betrieb geht.
- Sicherheitsvorkehrungen wie Führungen, Nothaltepunkte und Näherungsschalter dürfen während des laufenden Betriebs der Maschine nicht entfernt oder deaktiviert werden.
- Sorgen Sie für eine gute Umgebungsbeleuchtung, um es dem Maschinenführer zu ermöglichen, gut und ordentlich mit der Maschine zu arbeiten.

Allgemein

- Fehlerhaftes Verwenden des Geräts kann Personenschäden verursachen.
- Nicht auf das Gerät klettern oder auf diesem stehen.
- Tragen Sie weder lose Kleidung noch andere Gegenstände, die sich in der Maschine verfangen können.
- Befolgen Sie die Anweisungen in diesem Handbuch, wenn Sie die Maschine transportieren. FlexLink muss alle Umbauten oder Änderungen an der Maschine genehmigen.
- Verwenden Sie nur empfohlene Ersatzteile.
- Die elektrischen Einheiten dürfen nur von autorisiertem Personal gewartet werden.
- FlexLink kann nicht für Schäden haftbar gemacht werden, wenn der Geräte-Service nicht in Übereinstimmung mit diesem Montagehandbuch durchgeführt wurde.

Wartungs- und Servicetechniker

Servicetechniker müssen die folgenden Eigenschaften besitzen:

- Ausreichende Kenntnis, um technische Angaben zu verstehen
- Fähigkeit, technische Zeichnungen zu verstehen
- Mechanisches Grundwissen
- Ausreichende Kenntnis in der Benutzung von Handwerkzeugen
- Ausgebildet (DIN EN ISO 12100:2010)

Elektriker

Elektriker müssen die folgenden Eigenschaften besitzen:

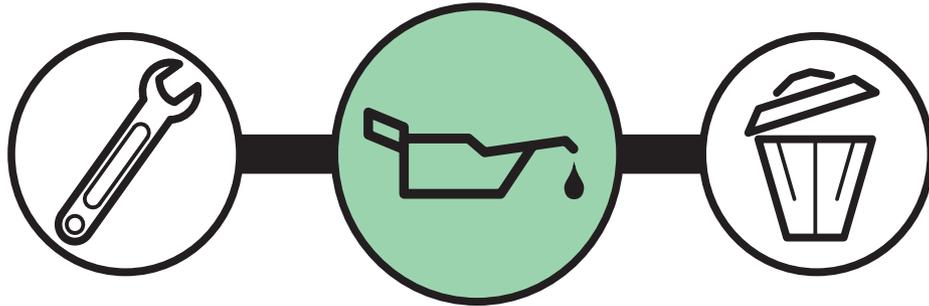
- Erfahrung mit ähnlichen Installationen
- Ausreichendes Wissen, um anhand von Zeichnungen und Schaltplänen zu arbeiten
- Kenntnis der lokalen Sicherheitsbestimmungen für elektrische Energie und Automation
- Ausgebildet (DIN EN ISO 12100:2010)
- Um Risiken zu vermeiden, darf nur Fachpersonal mit technischen Kenntnissen und Erfahrungen Reparaturarbeiten an den elektronischen Komponenten der Maschine durchführen.

Maschinenführer

Um das Gerät korrekt zu benutzen, müssen die Maschinenführer eine entsprechende Ausbildung und/oder Erfahrung haben.

2 Einführung

2.1 Montageinformationen



2.2 Anwendungsbereich

Diese Angaben stammen aus einer Informationssammlung, in der die Einbindung der Systeme X85X/X180X/X300X beschrieben wird, wie etwa die Montage der Hardware, die Softwareinstallation, die Prüfung der Sicherheitsausrüstung usw.

2.3 Zielgruppe

Diese Angaben richten sich hauptsächlich an Anwendungstechniker und das Installationspersonal, die an der Installation beteiligt sind. Der Inhalt kann auch für Schulungszwecke verwendet werden.

Es wird davon ausgegangen, dass die für die Einbindung des FlexLink-Fördersystems zuständigen Anwendungstechniker an der Grundlagenschulung von FlexLink teilgenommen haben.

2.4 Voraussetzungen

Die für jeden Schritt benötigten Werkzeuge werden in den entsprechenden Abschnitten beschrieben.

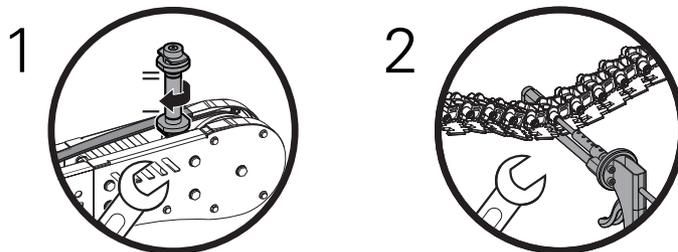
2.5 Hinweise und Tipps

Hinweise für die Montage sind mit dem folgenden Symbol gekennzeichnet:



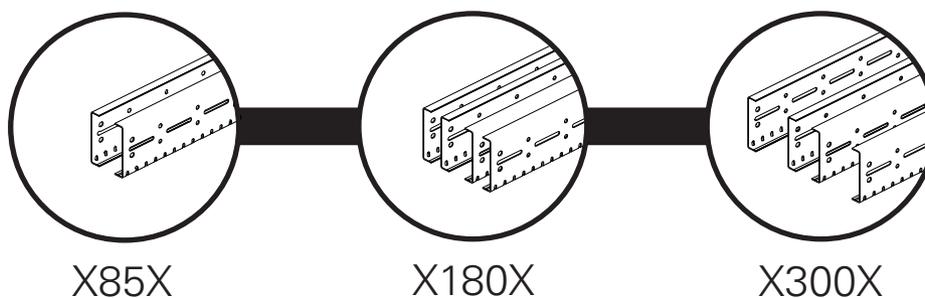
2.6 Referenzsymbole

Bei der Montage der in Kapitel 4, „Förderermontage“, angegebenen Antriebseinheiten ist in der Regel die Installation der Gleitschiene und der Kette erforderlich, bevor die Montage abgeschlossen werden kann. Daher werden die entsprechenden Symbole verwendet, um den Leser auf die Kapitel hinzuweisen, die sich mit der Montage der Gleitschiene und der Kette beschäftigen, anstatt die Schritte immer wieder darzustellen.



NB: *Symbol Nr. 1 bezieht sich auf Kapitel 5, „Montage der Gleitschiene“, während Nr. 2 sich auf Kapitel 6, „Montage der Förderkette“, bezieht.*

Da in diesem Handbuch die drei FlexLink-Systeme X85X, X180X und X300X behandelt werden, weisen die nachfolgenden Symbole darauf hin, für welches System eine bestimmte Anweisung gilt.





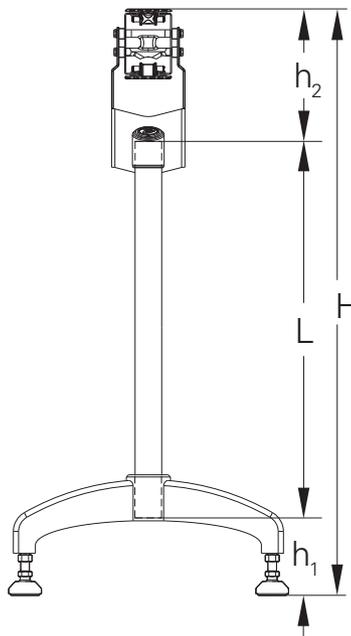
3 Halterungsmontage

3.1 Montage des Halterungssystems

Die meisten Stützen bestehen aus senkrechten Tragprofilen, die bei Bedarf mit horizontalen Tragprofilen kombiniert werden. Der Förderer muss in regelmäßigen Abständen unterstützt werden, die 3.000 mm nicht überschreiten dürfen, und eine Halterung ist immer so nah wie möglich an der Antriebseinheit anzubringen.



3.1.1 Länge des Führungsprofils



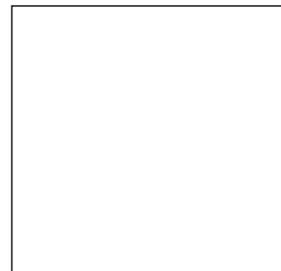
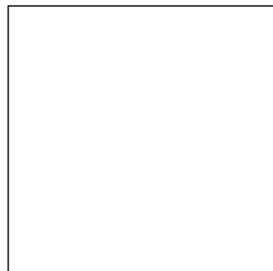
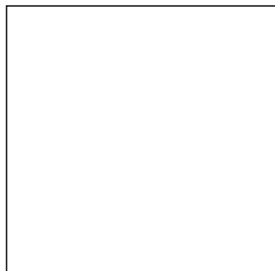
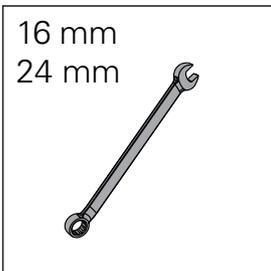
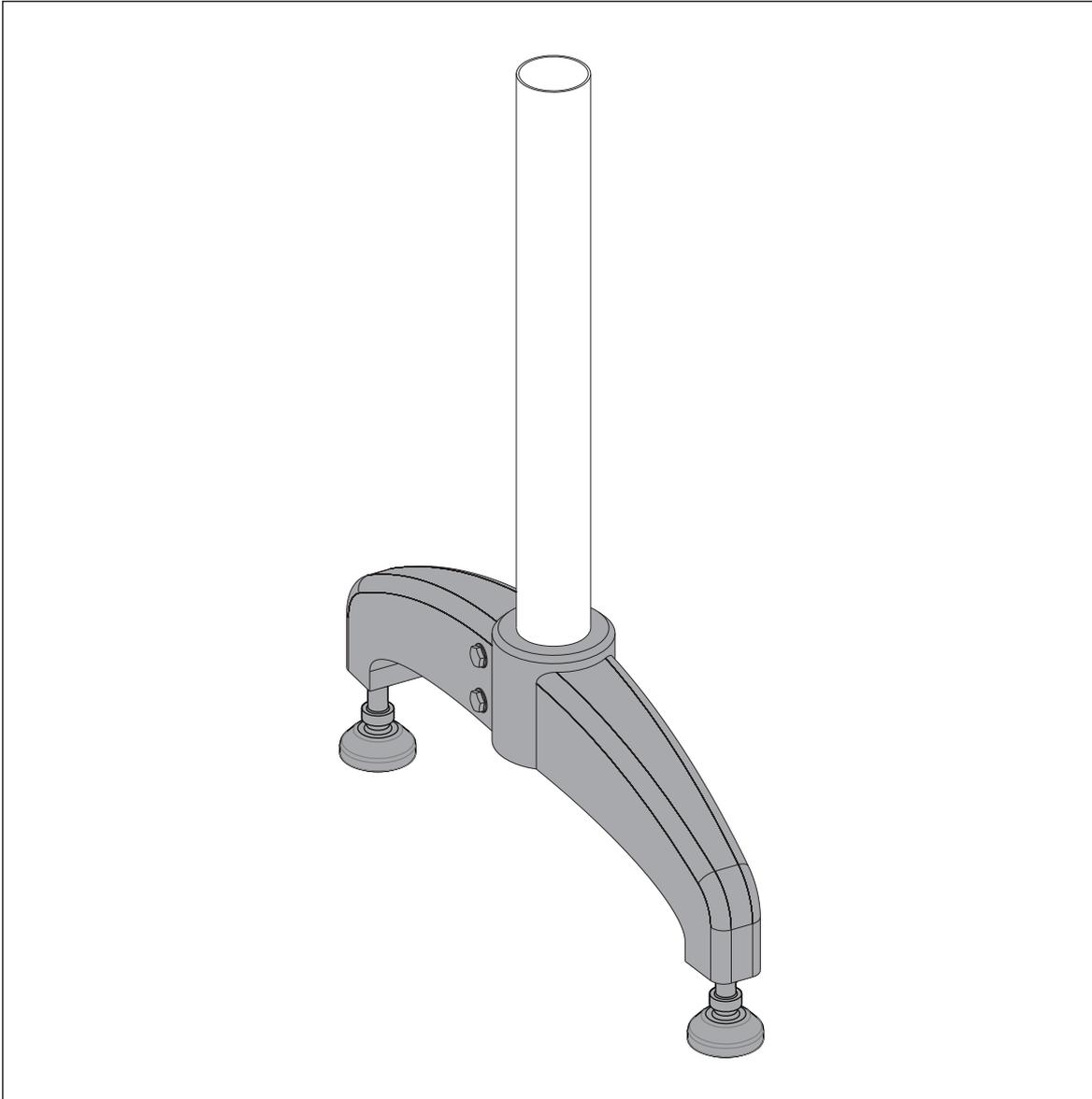
$$L = H - (h_1 + h_2)$$

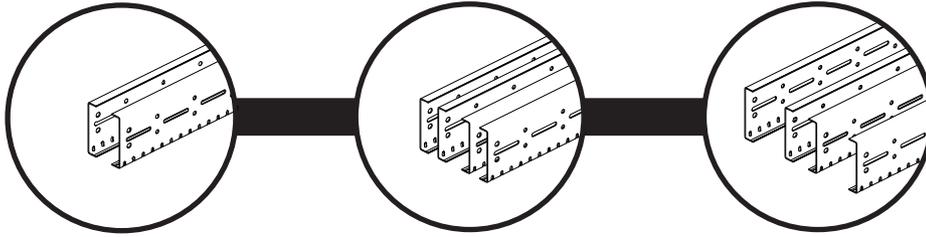
Die Stützprofillänge L , die für eine bestimmte Fördererhöhe H erforderlich ist, hängt von der Förderergröße, dem Fußtyp und dem Verbindungswinkel für die Führungsprofile ab. In diesem Fall werden CSX-Verbindungswinkel für Führungsprofile verwendet.

In der folgenden Formel steht H für die Höhe vom Boden bis zur Oberseite der glatten Förderkette. Bei den meisten Stützverbindungen ist eine Höheneinstellung sowohl am Fuß als auch am Verbindungswinkel für Führungsprofile möglich.

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3.2 Zweipunkt-Fuß, Polyamid, XCFG 48 D



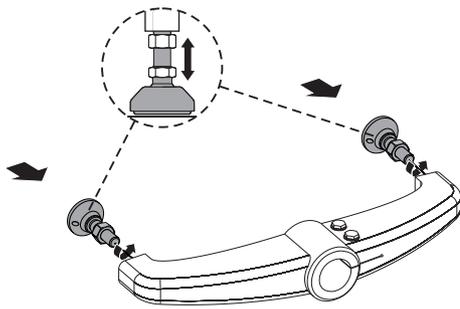


X85X

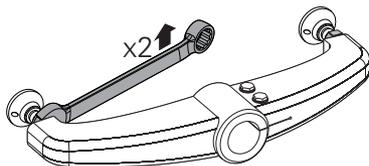
X180X

X300X

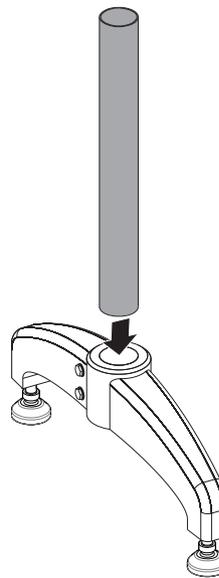
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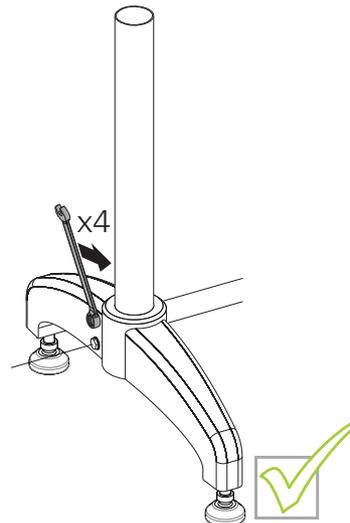
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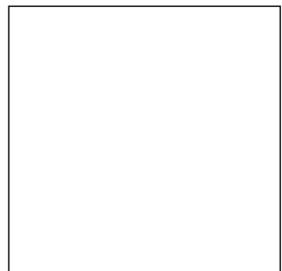
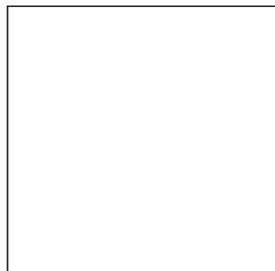
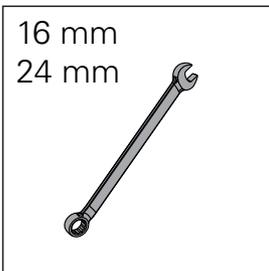
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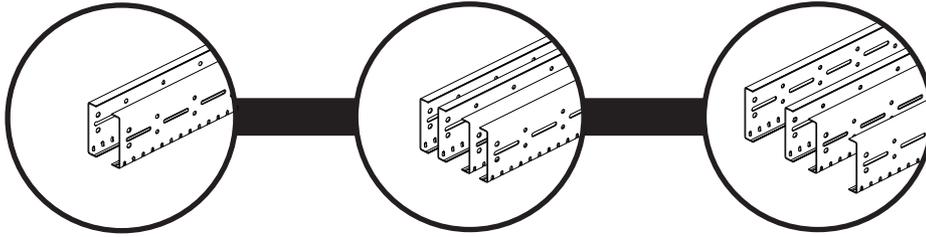


4



3.3 Dreipunkt-Fuß, Polyamid, XCFG 48 T



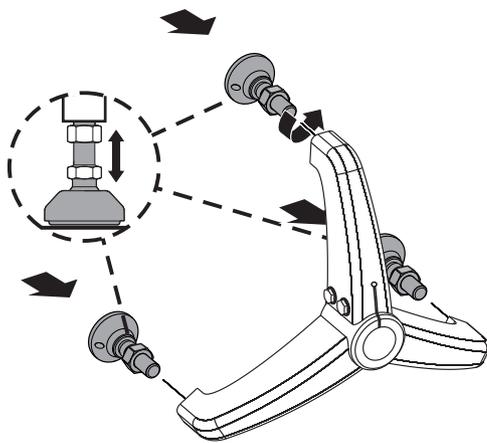


X85X

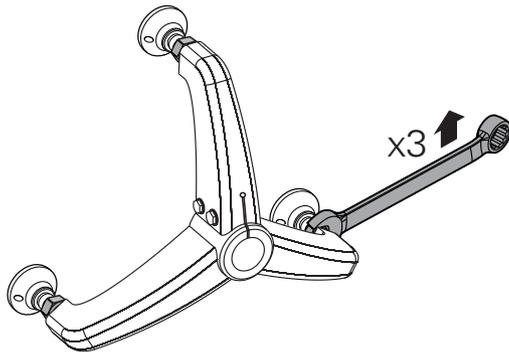
X180X

X300X

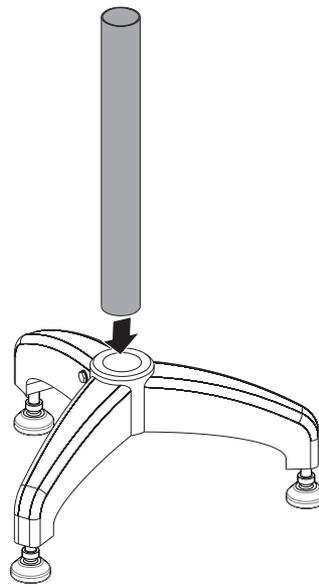
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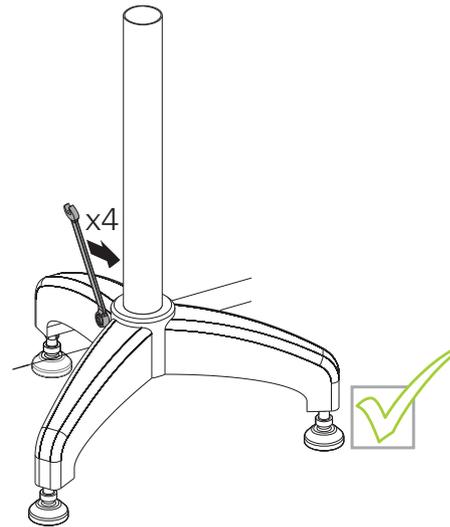
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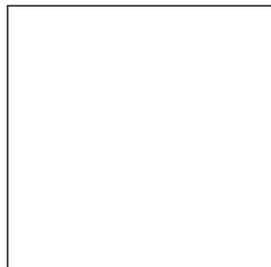
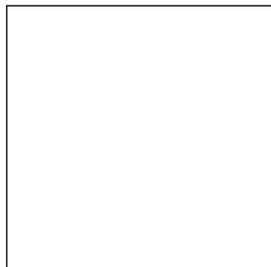
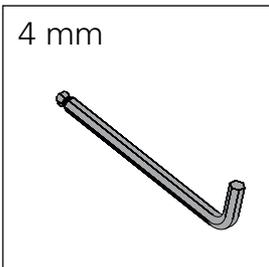
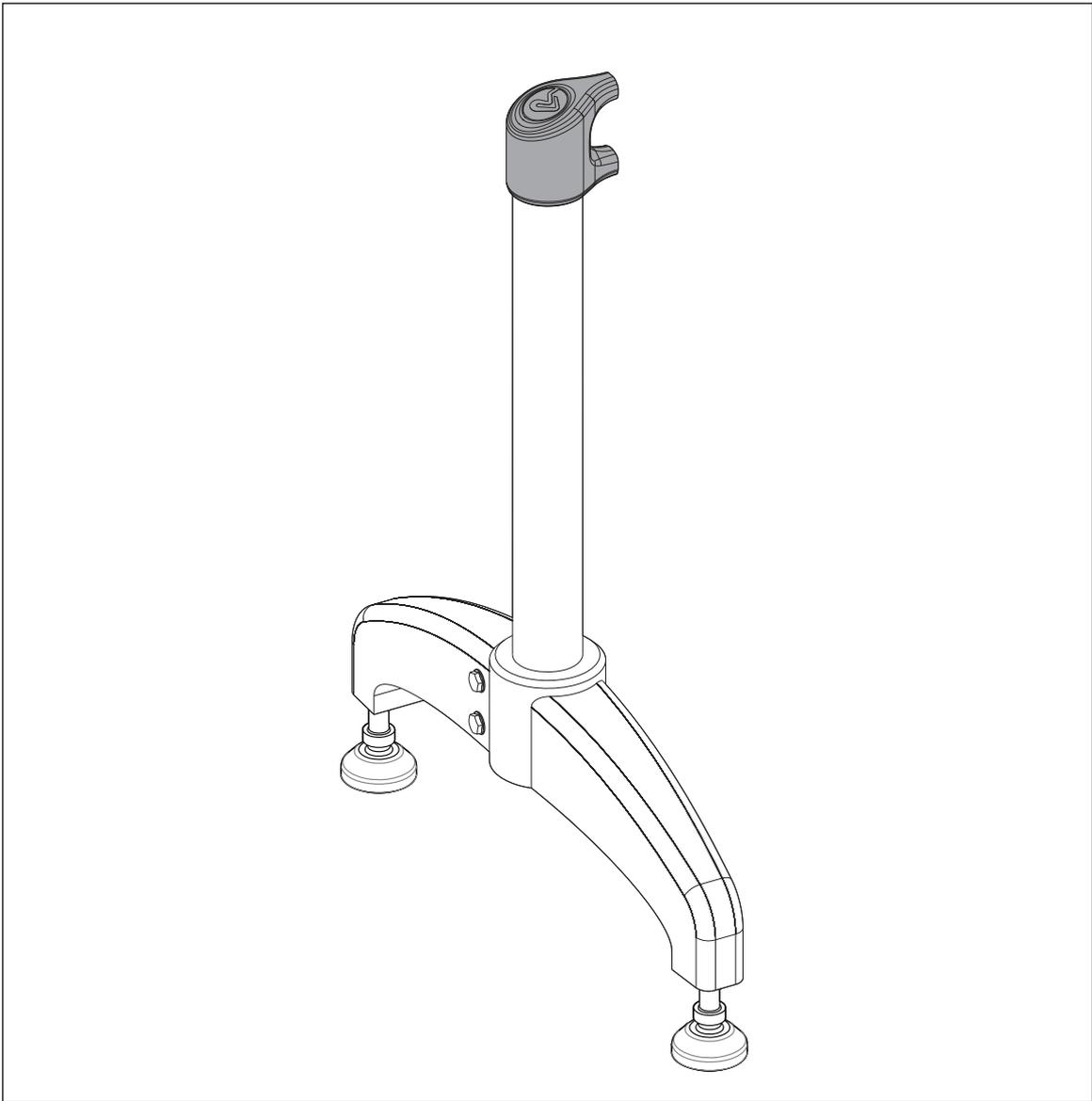
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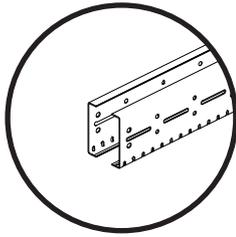


4

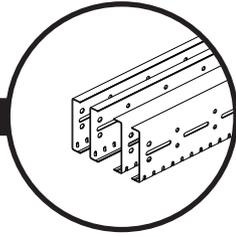


3.4 Verbindungswinkel für Führungsprofil,
XBCSX 48

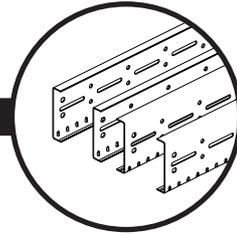




X85X

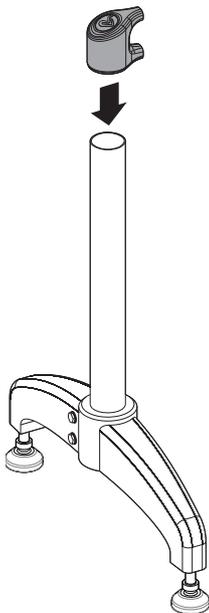


X180X

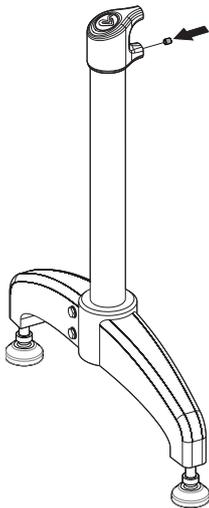


X300X

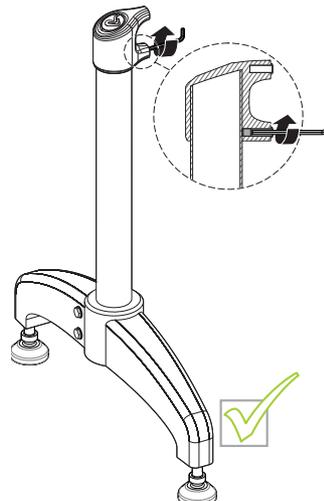
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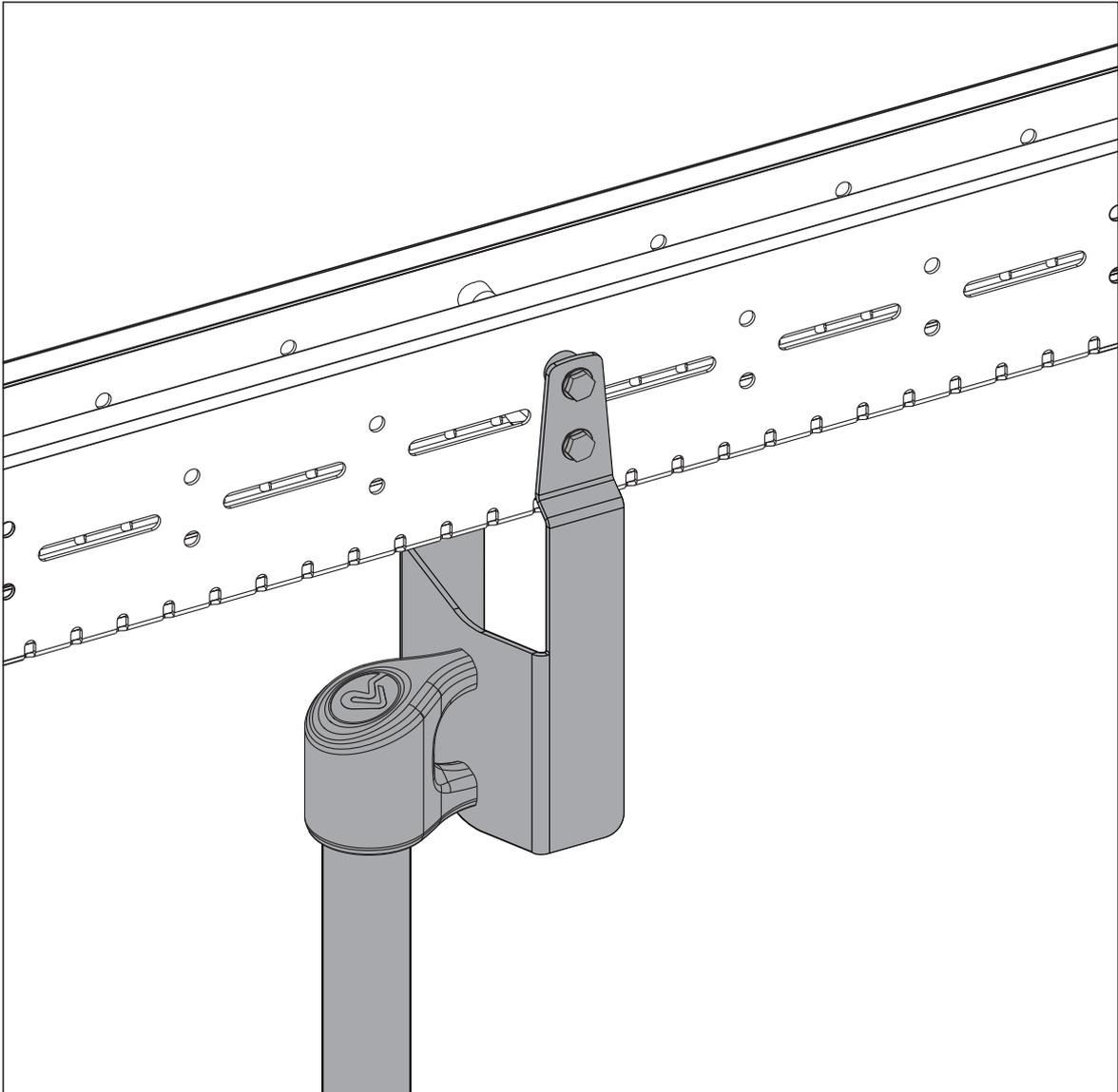
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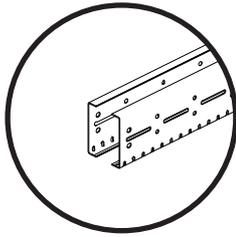


3.5 Verbindungswinkel für Führungsprofil,
gerades Führungsprofil 5114653/5114654/
5114655

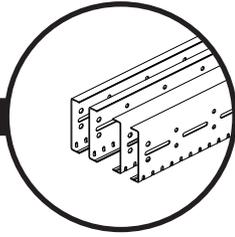


13 mm

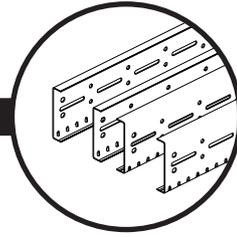




X85X

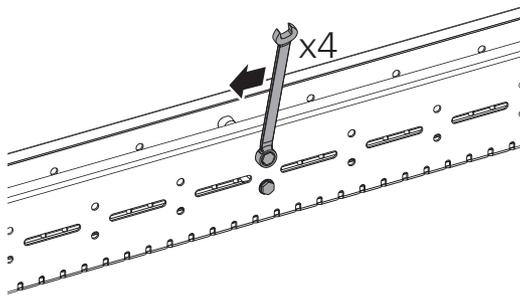


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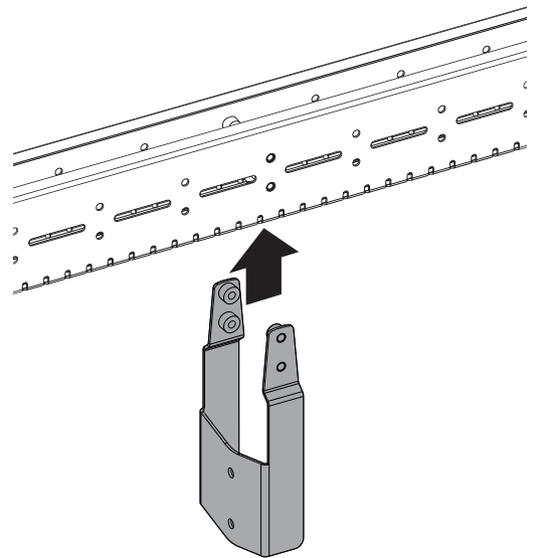


X300X

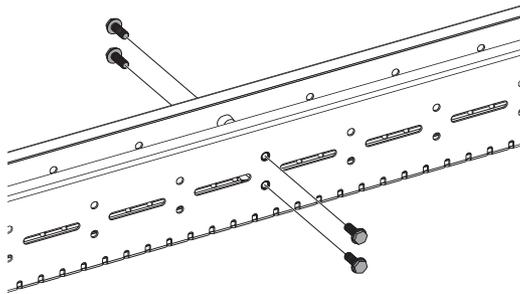
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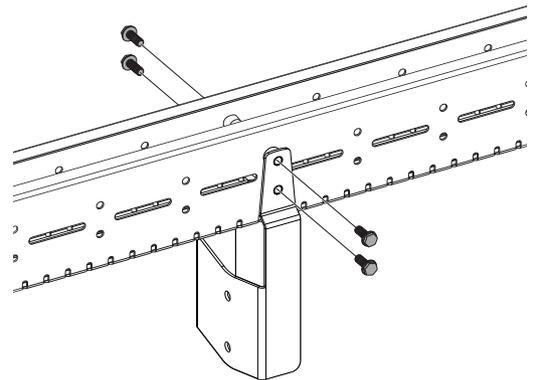
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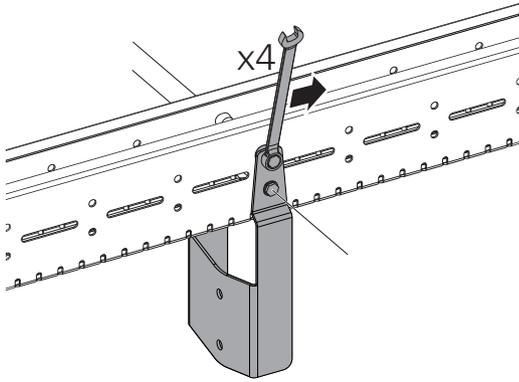
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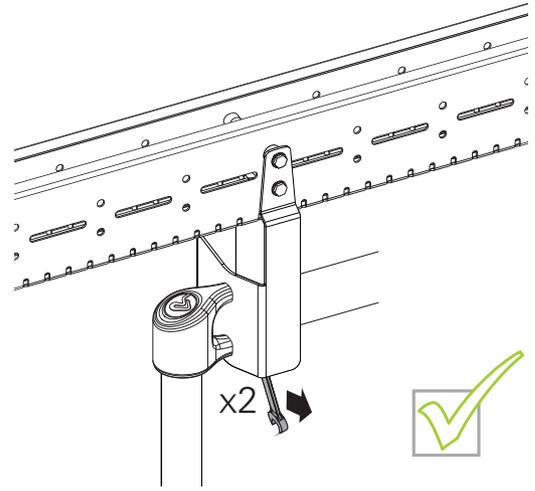
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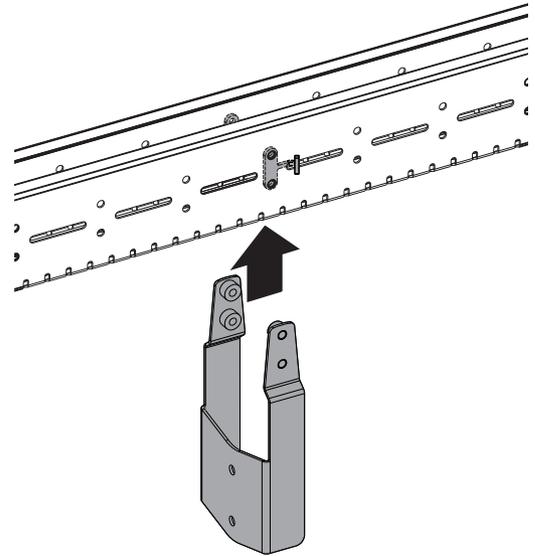
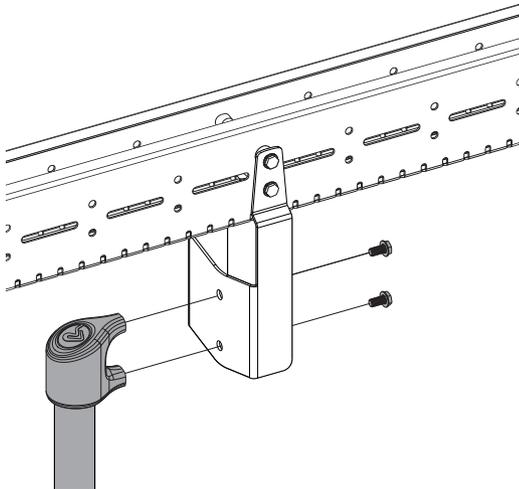
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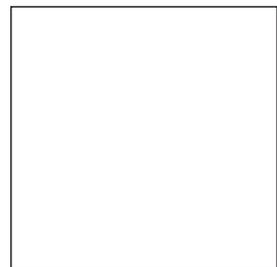
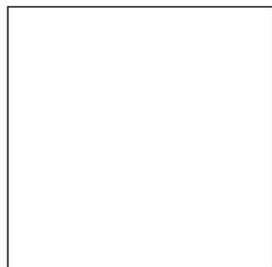
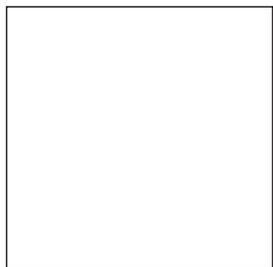
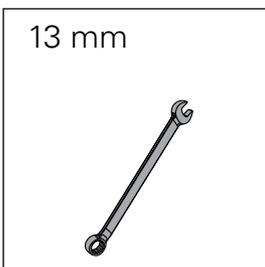
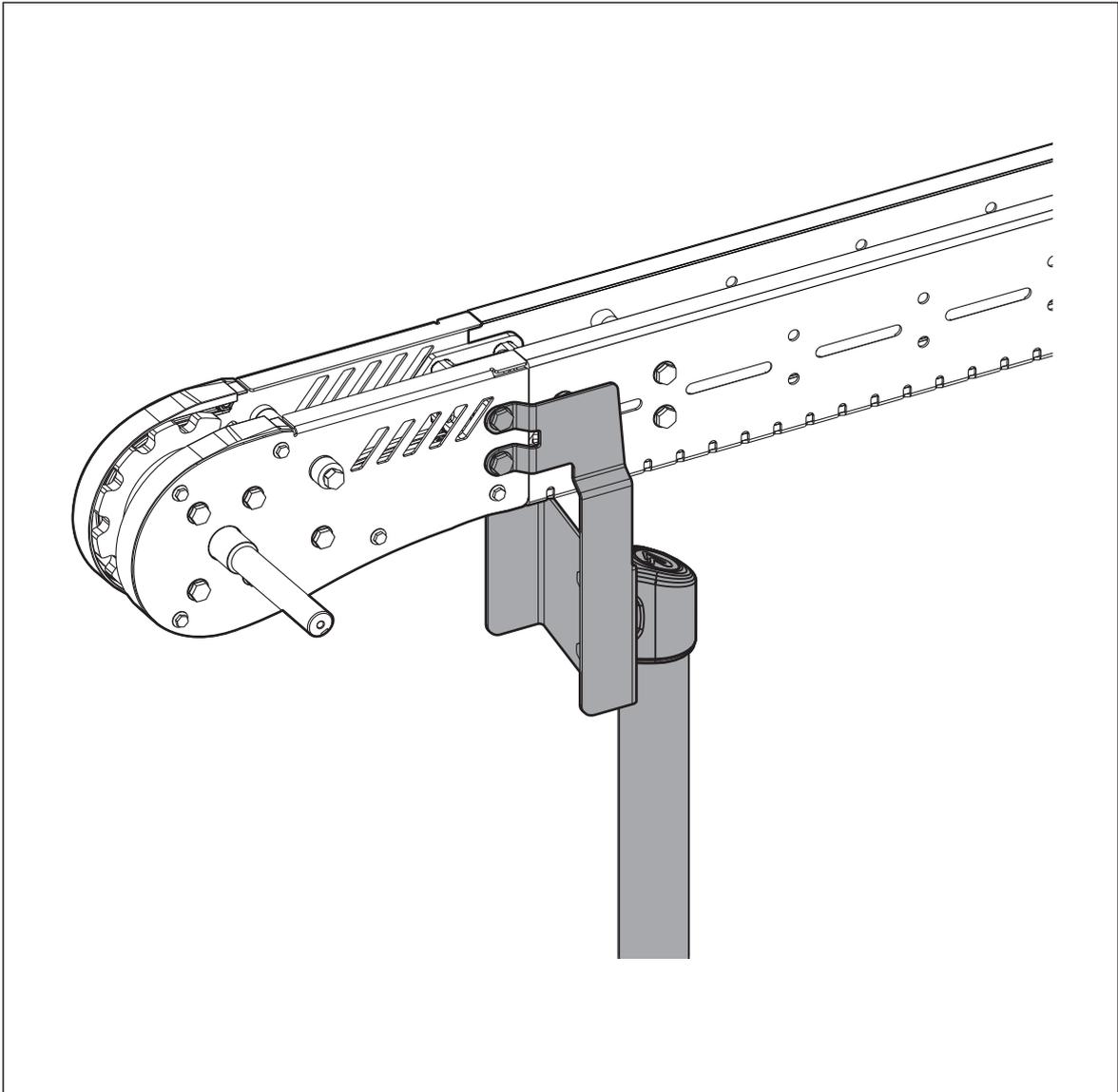


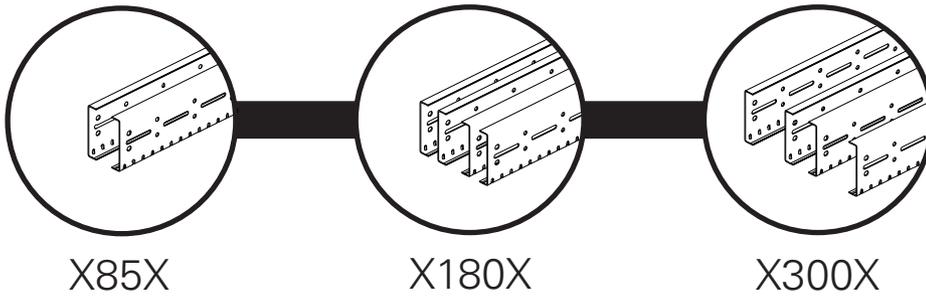
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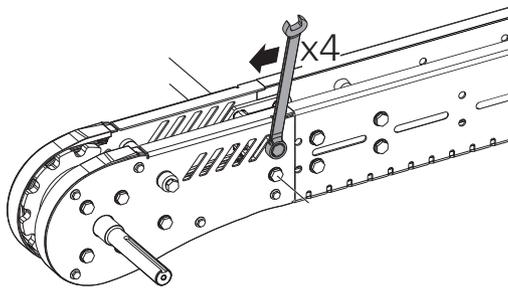
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3.6 Verbindungswinkel für Führungsprofil,
Antriebseinheit, 5114999/5114999

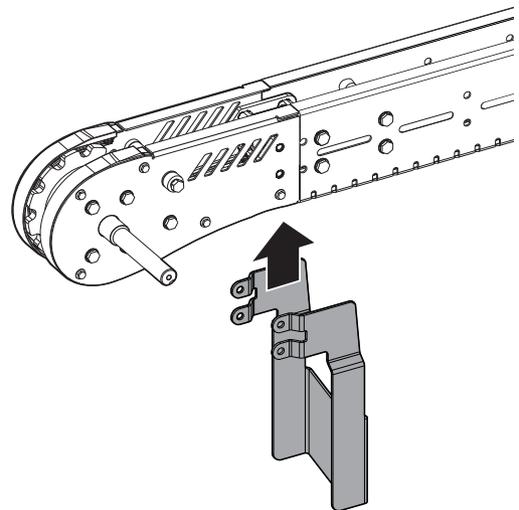




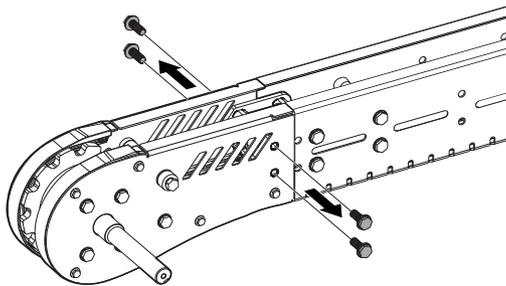
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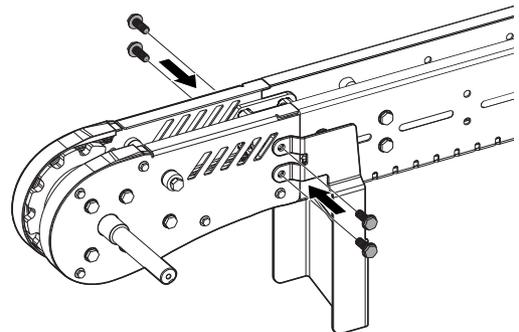
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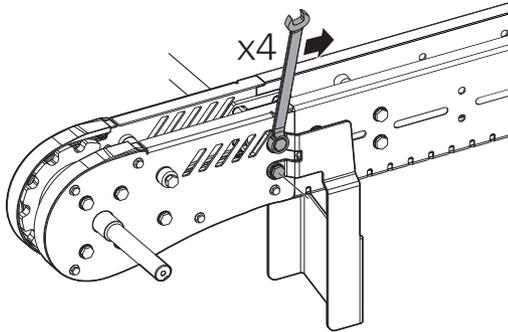
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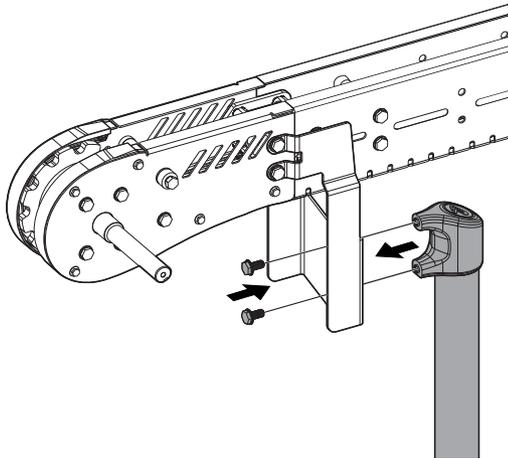
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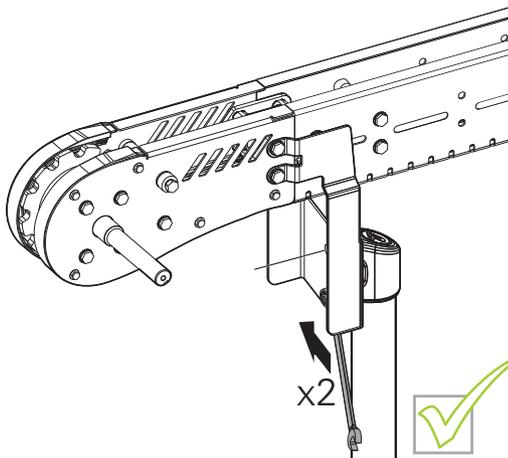
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6

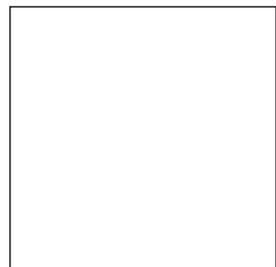
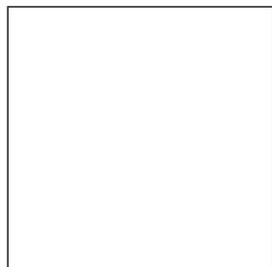
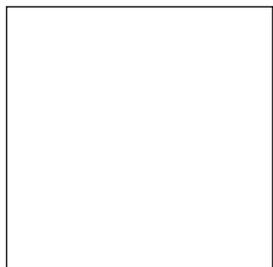
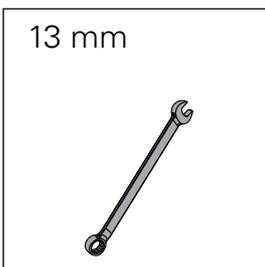
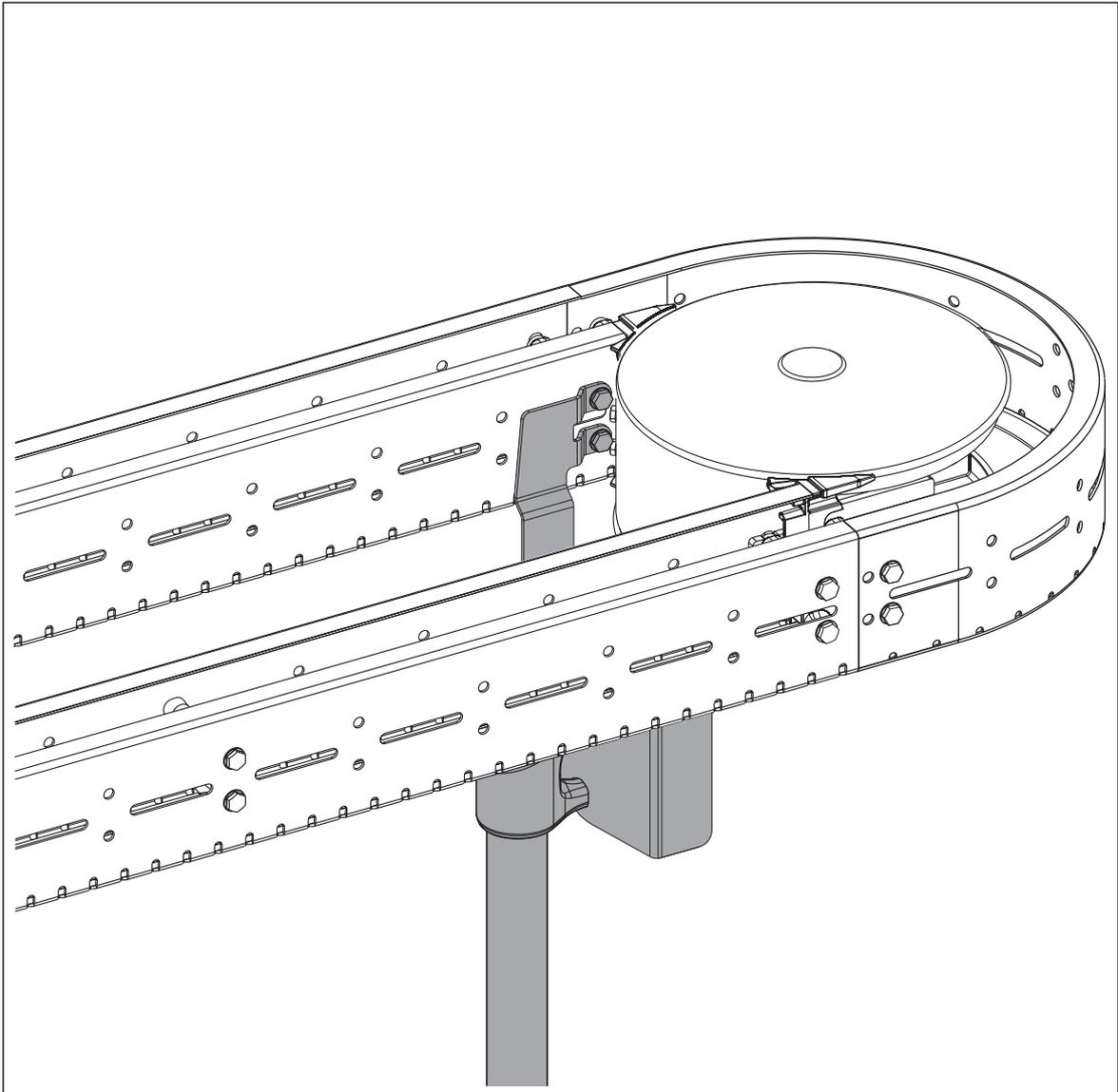


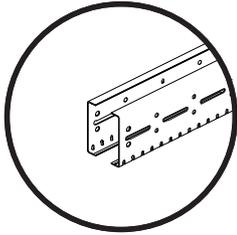
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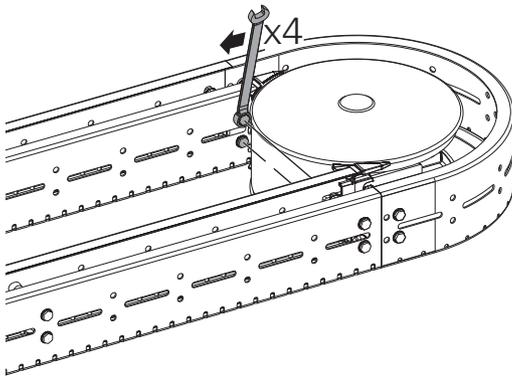
3.7 Verbindungswinkel für Führungsprofil,
Bogenrad, 5115171



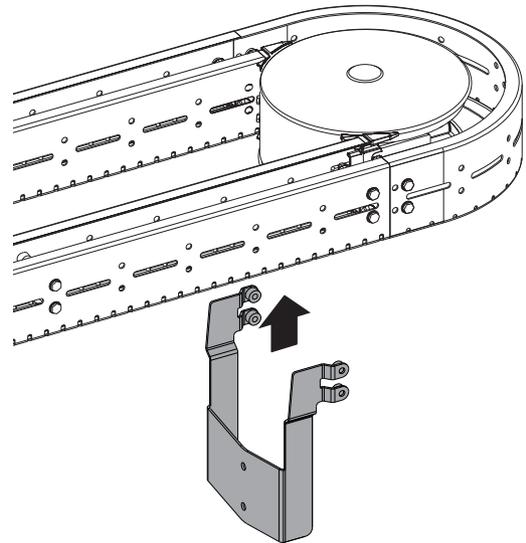


X85X

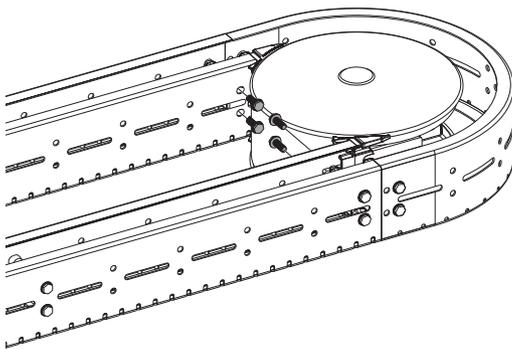
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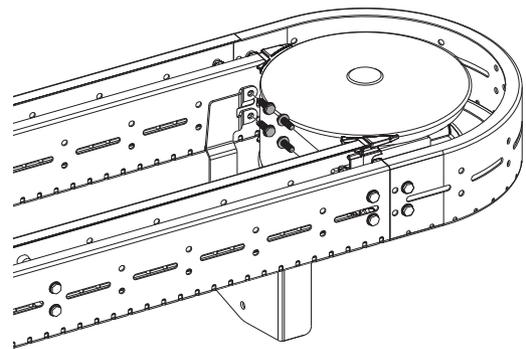
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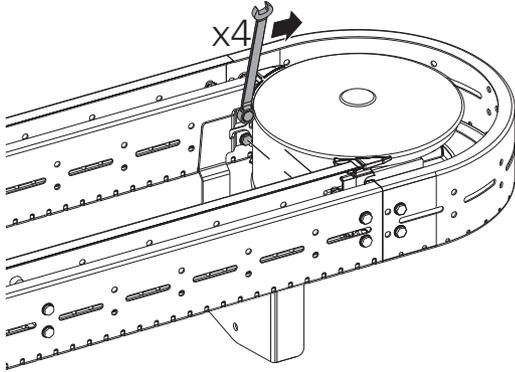
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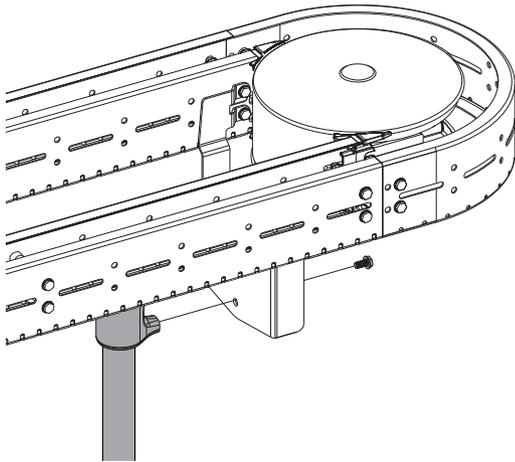
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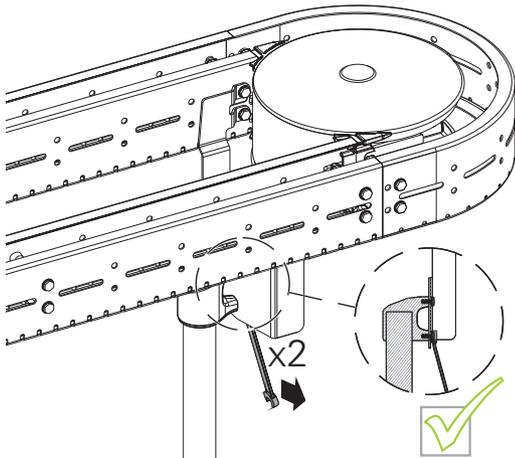
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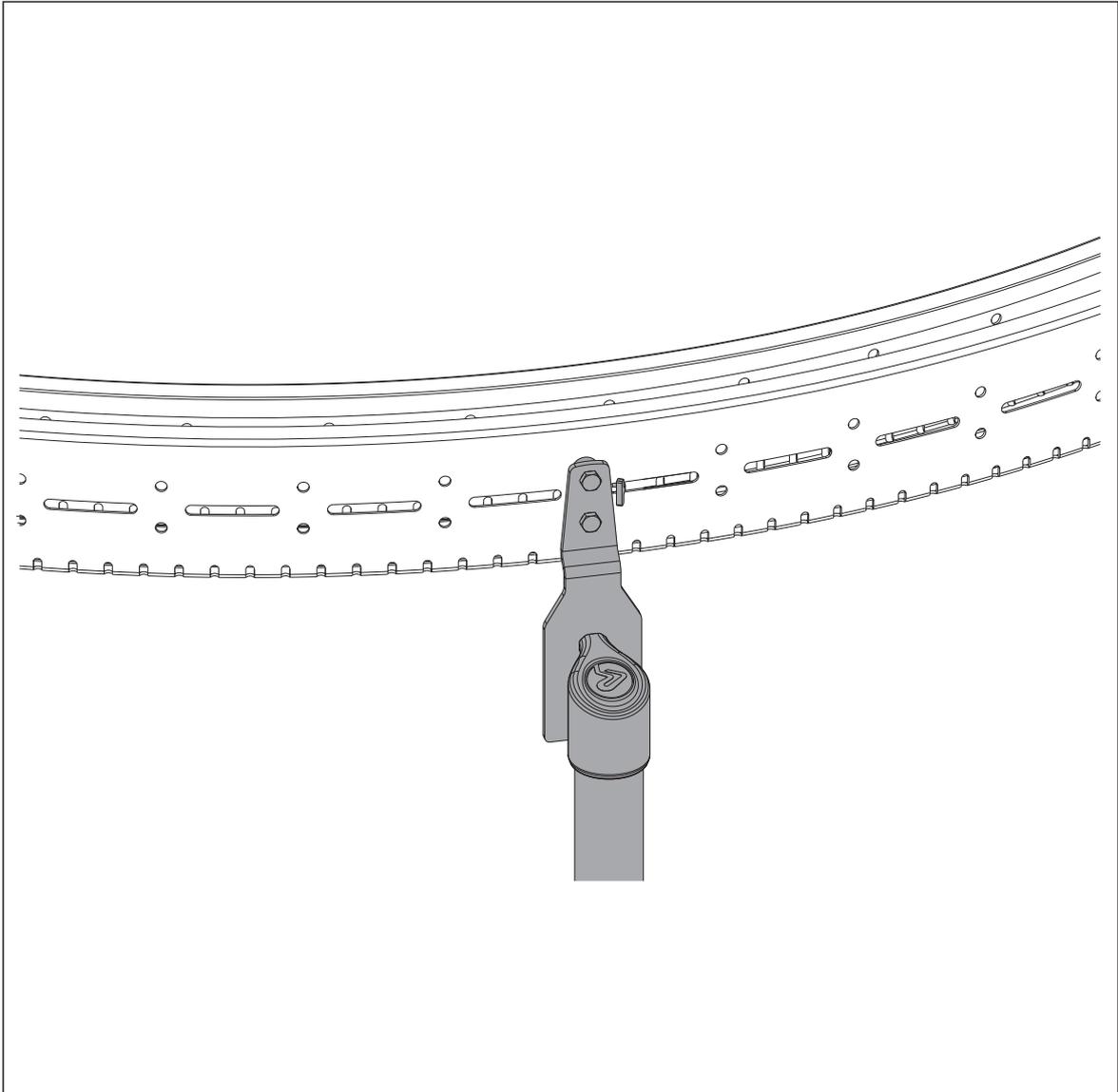


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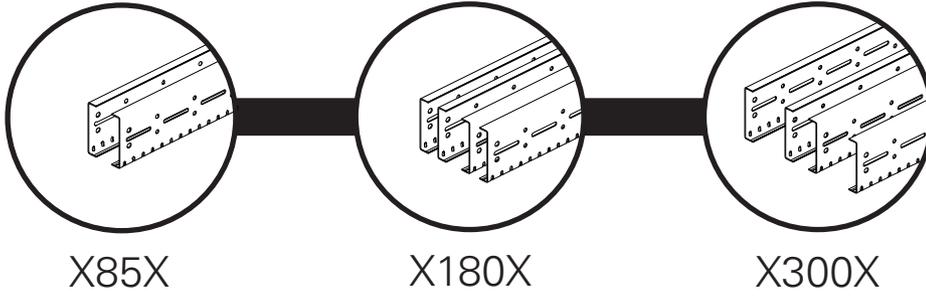
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3.8 Verbindungswinkel für Führungsprofil,
Gleitbogen, 5115162

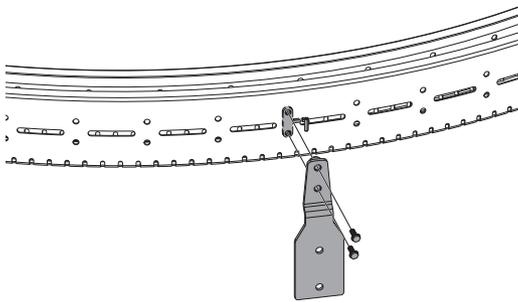


13 mm

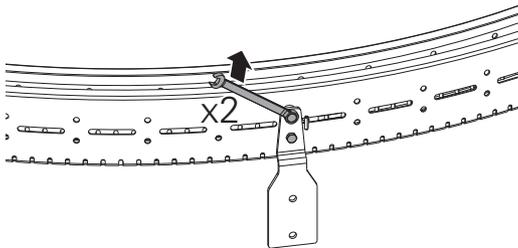




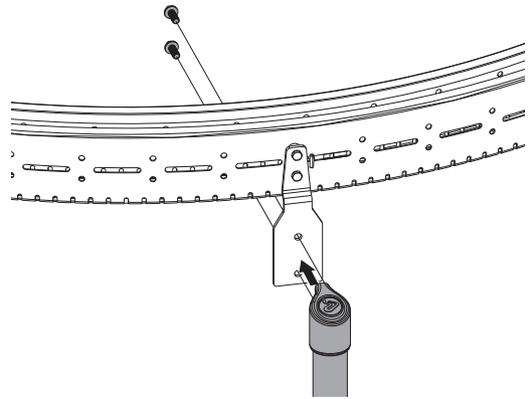
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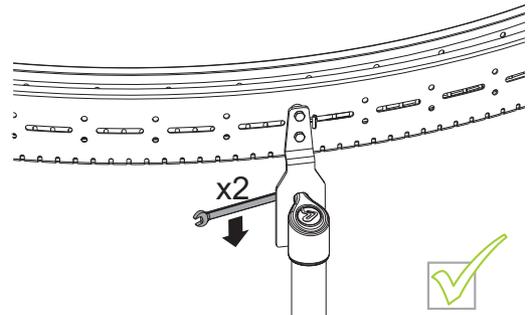
2



3



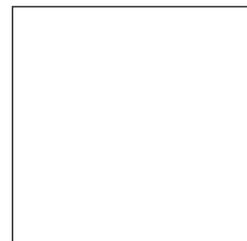
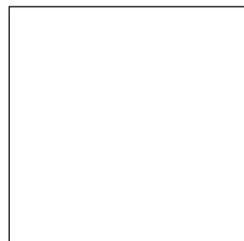
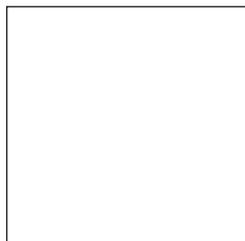
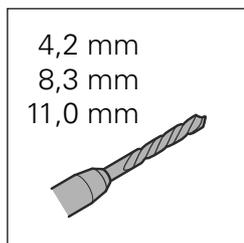
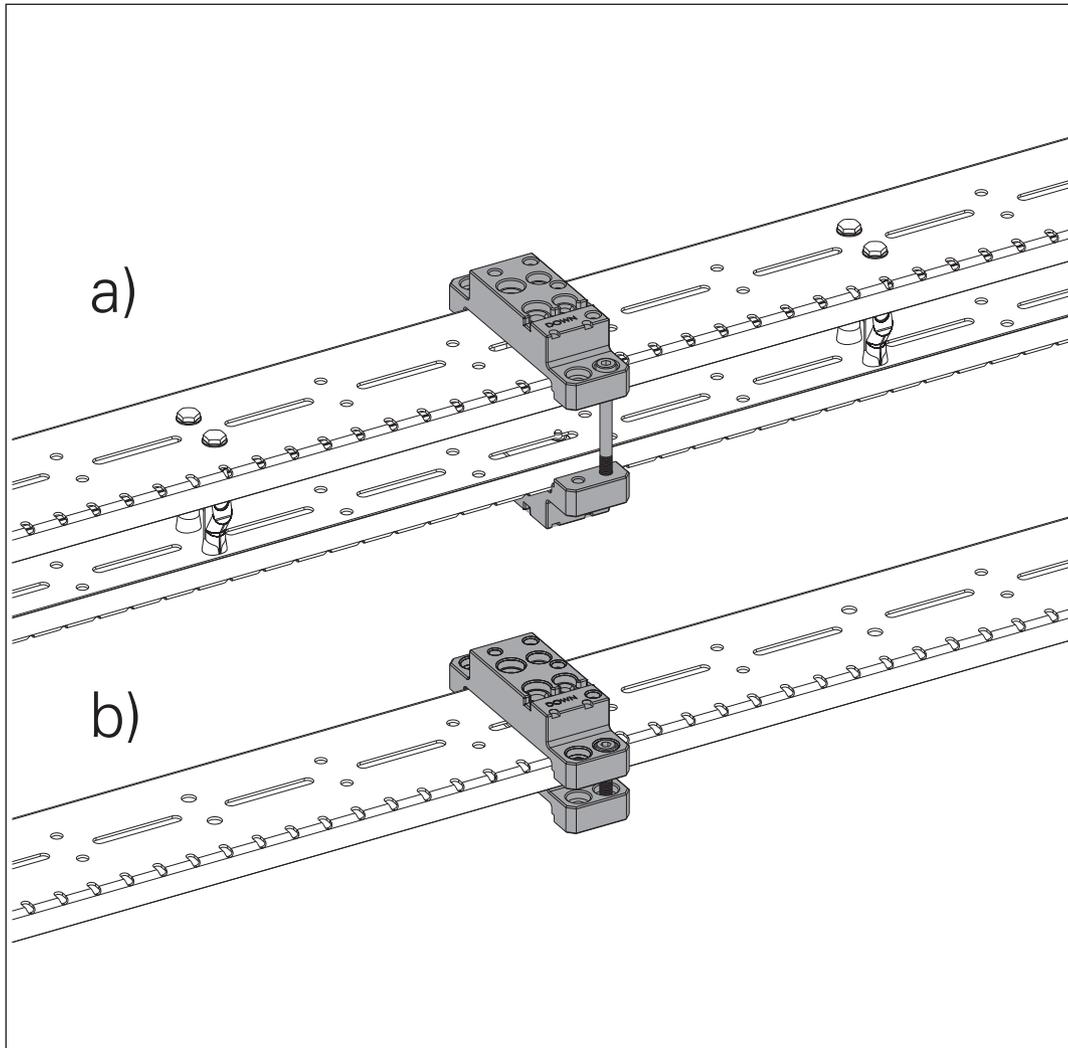
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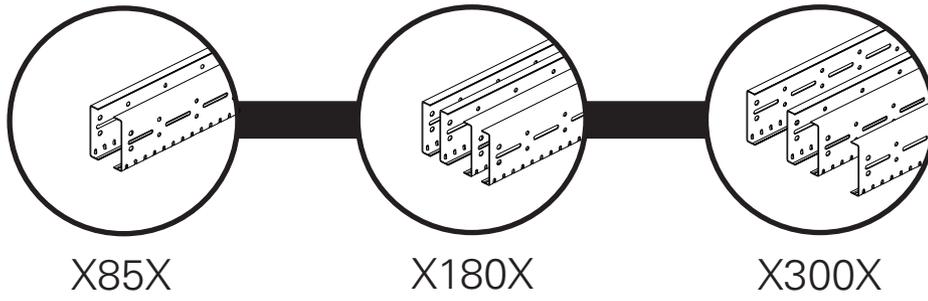




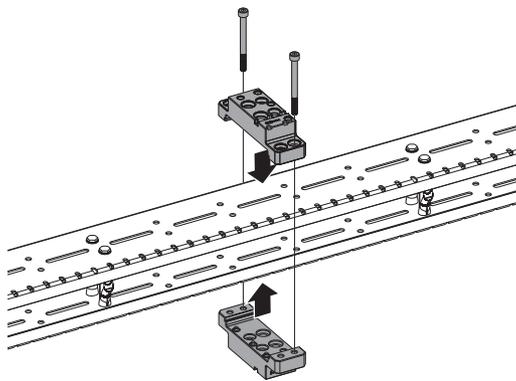
4 Förderermontage

4.1 Bohrvorrichtung, 5114621

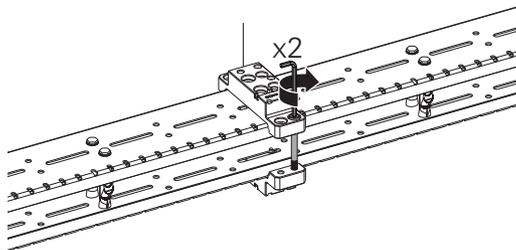




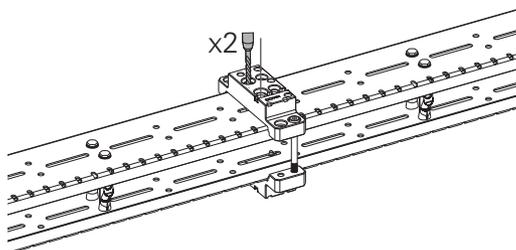
1a



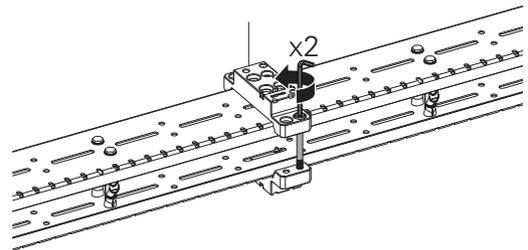
2a



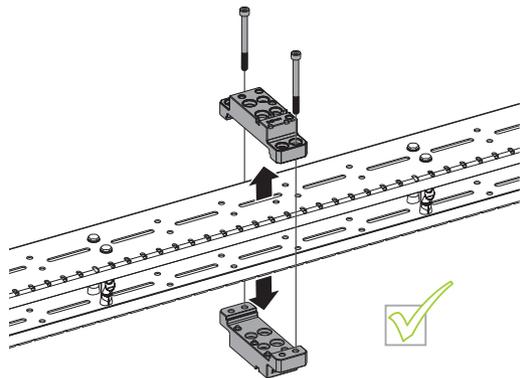
3a



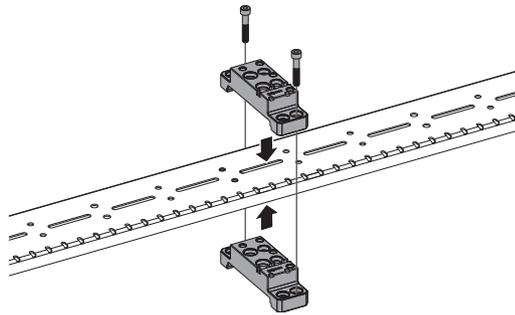
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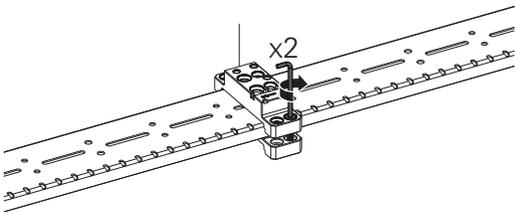
5a



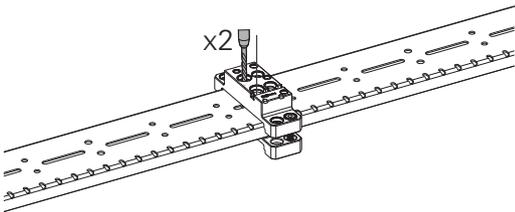
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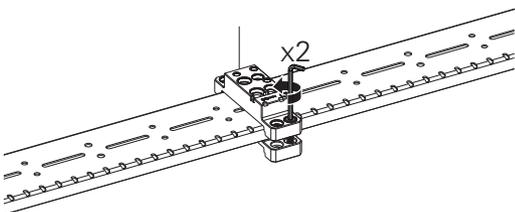
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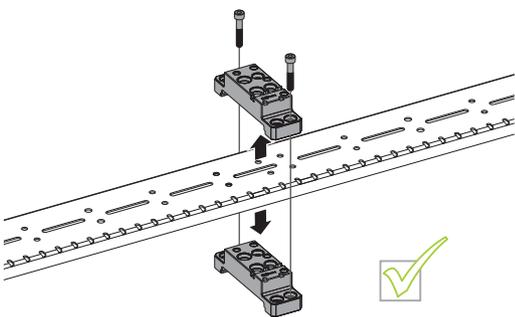
3b



4b

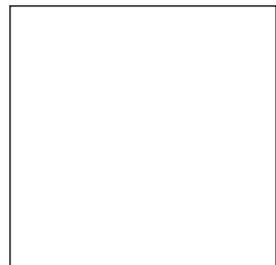
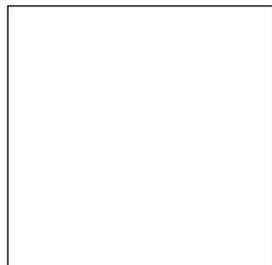
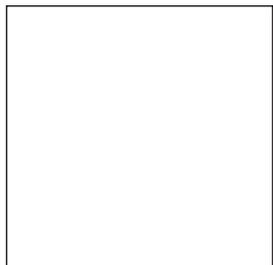
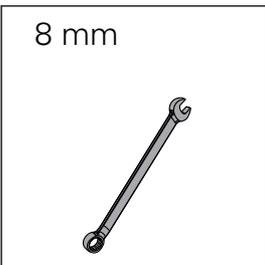
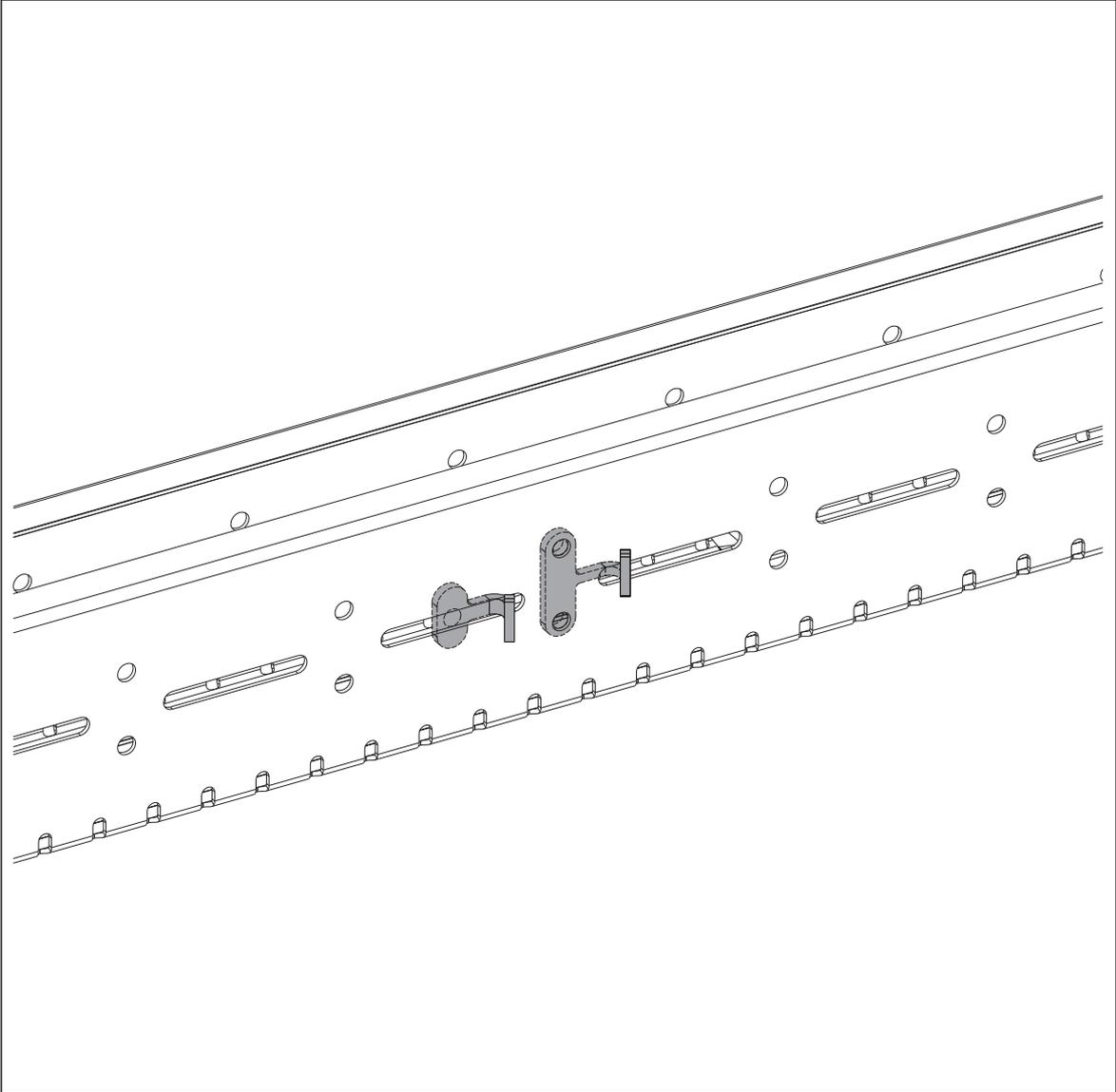


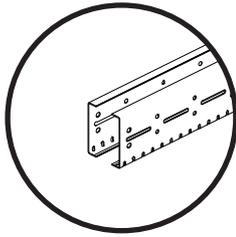
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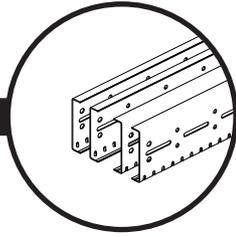
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4.2 Mutter, Edelstahl, 5113998/5114181

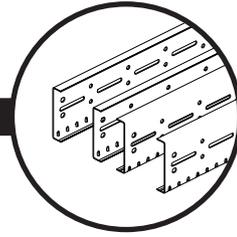




X85X

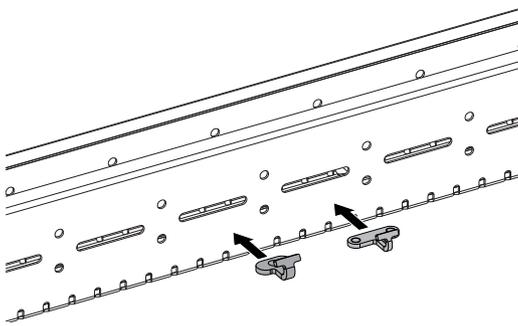


X180X

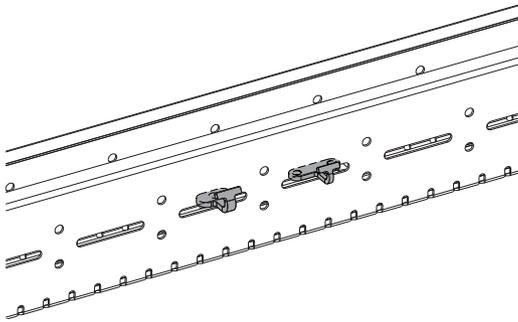


X300X

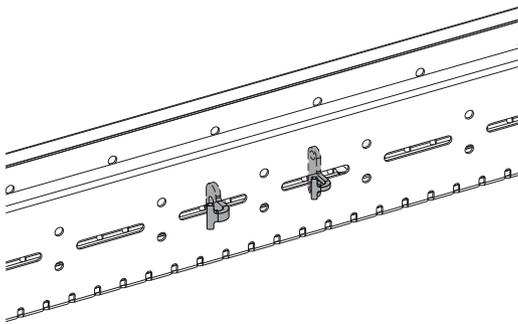
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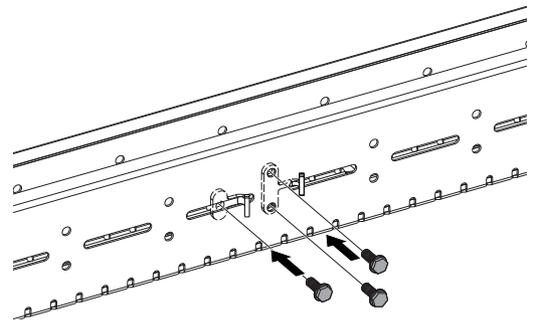
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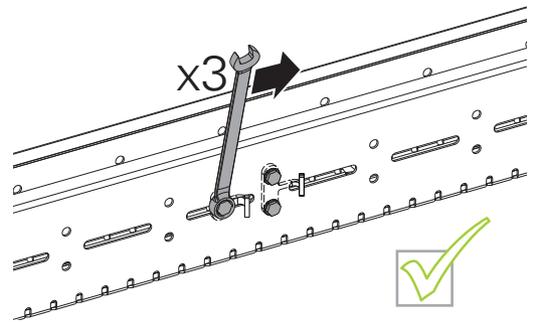
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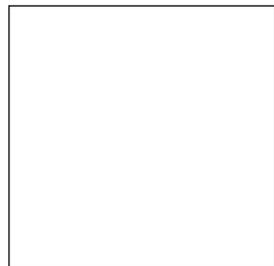
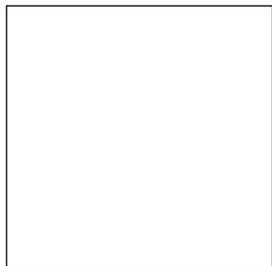
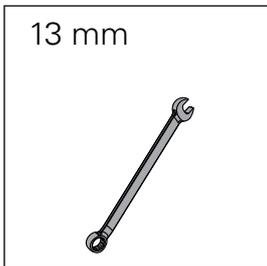
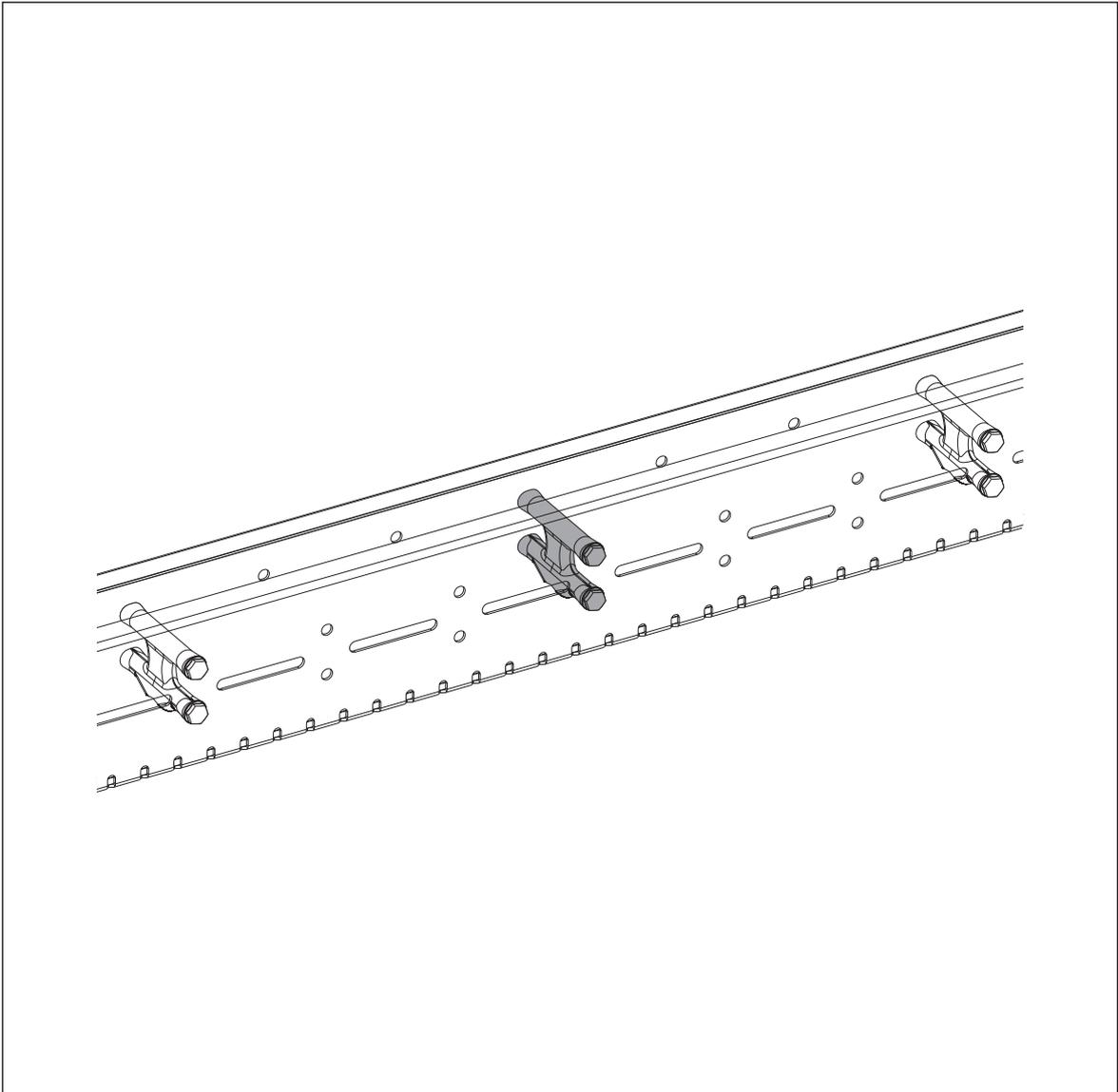
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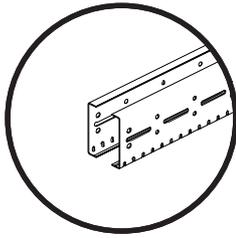


5



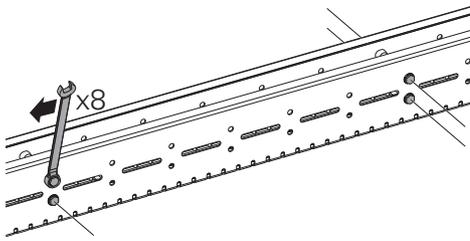
4.3 Distanzstück für Führungsprofile, XBCEX A85



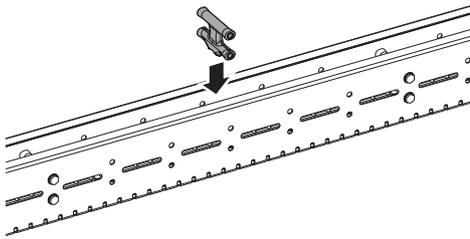


X85X

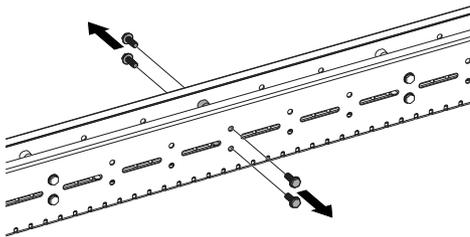
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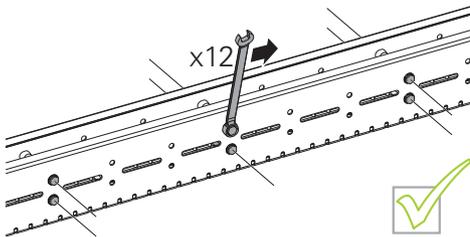
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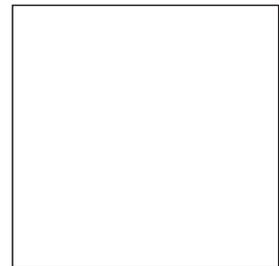
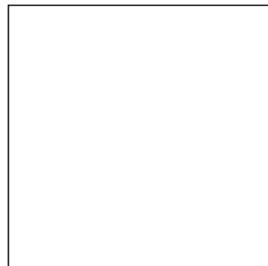
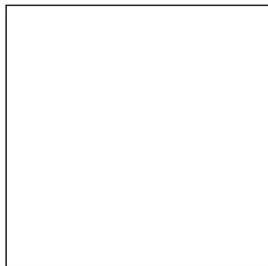
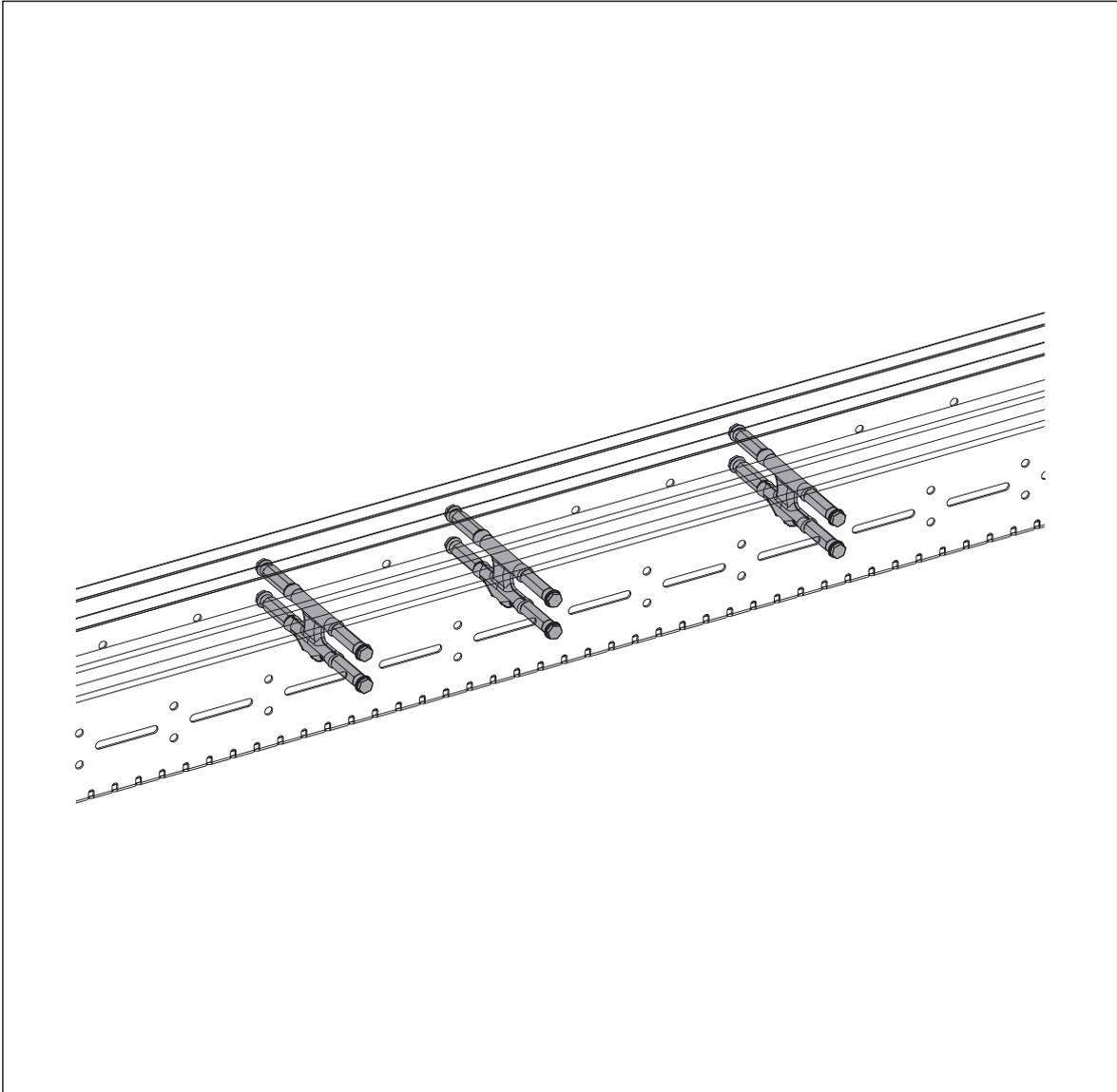
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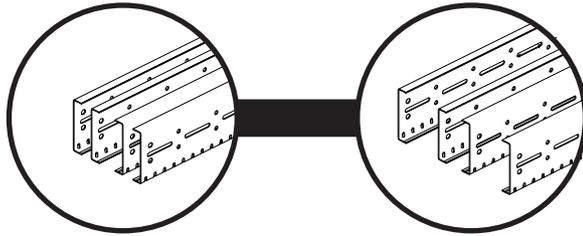


4



4.4 Distanzstück für Führungsprofile XBCEX A180/300

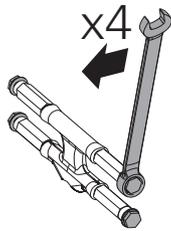




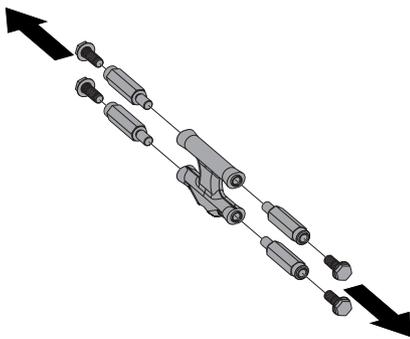
X180X

X300X

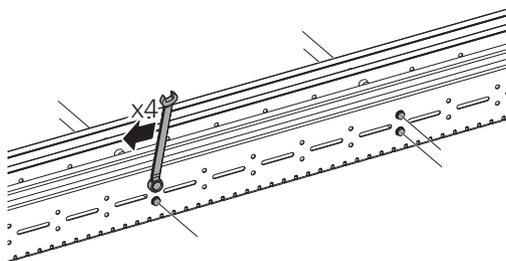
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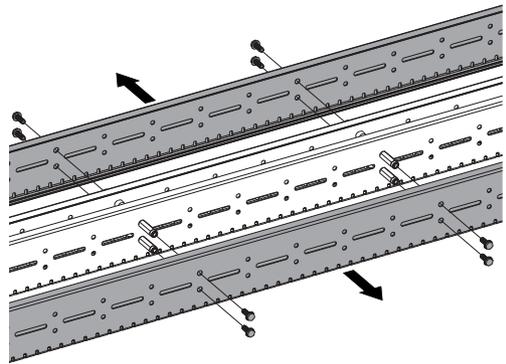
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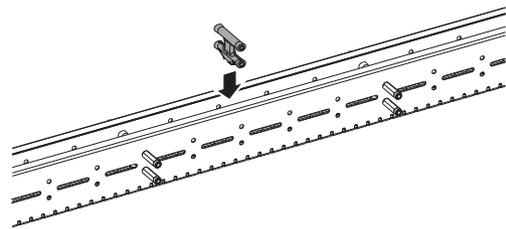
3



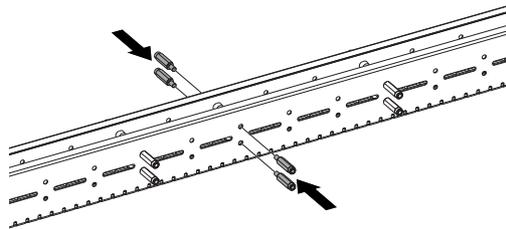
4



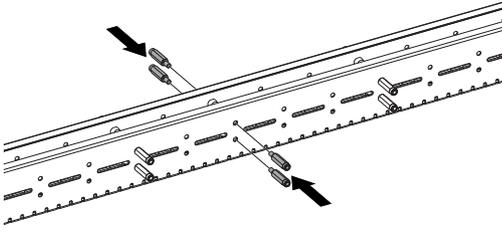
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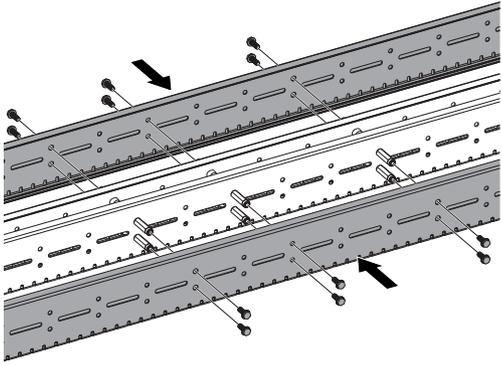
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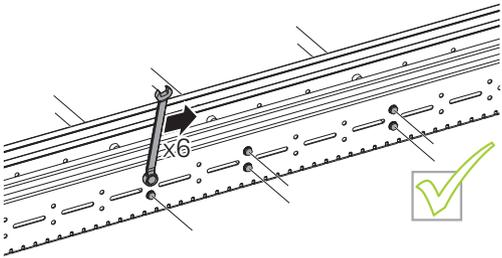
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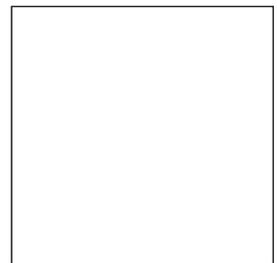
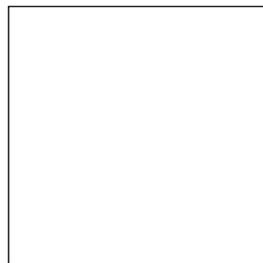
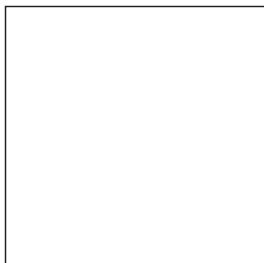
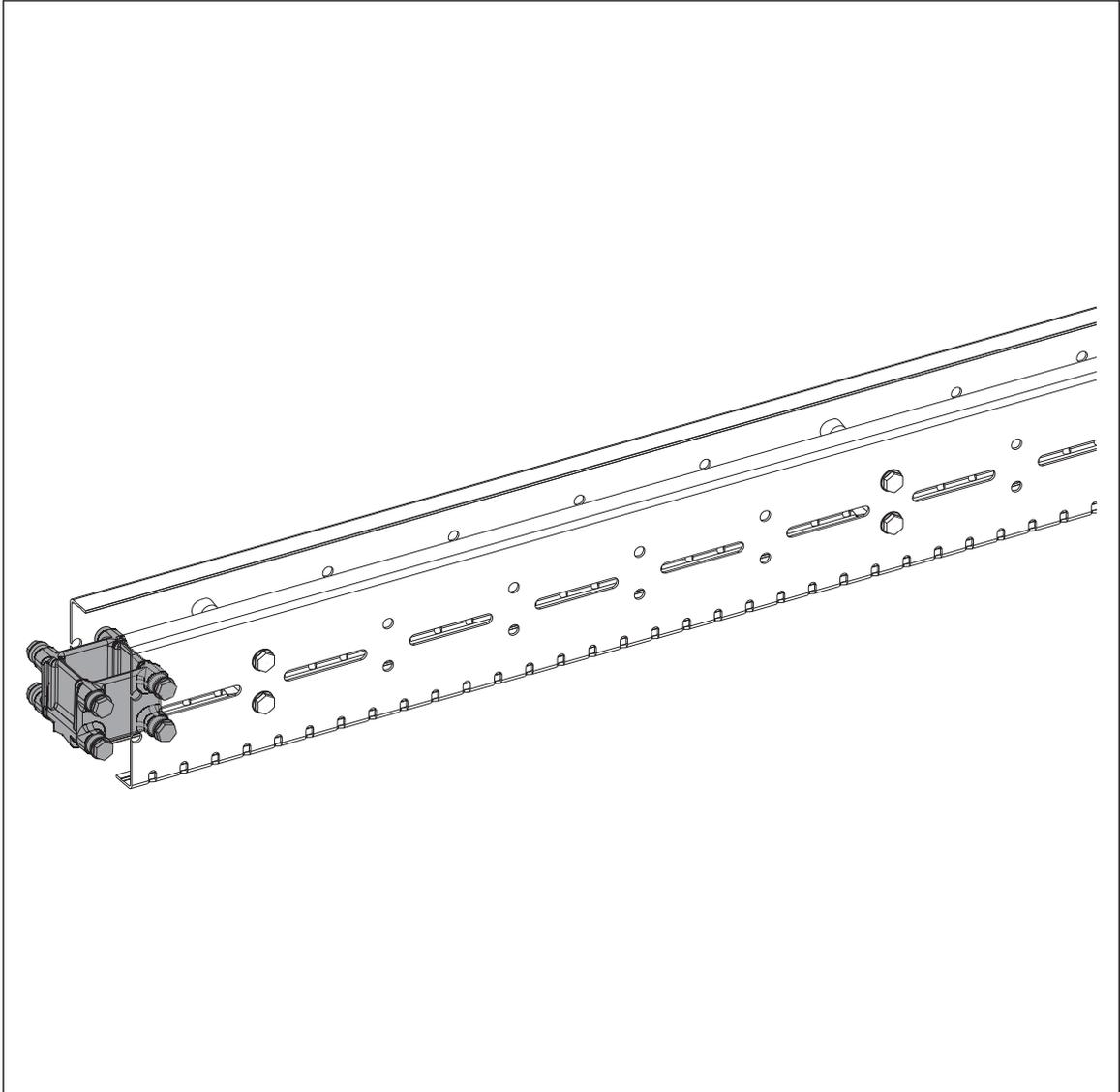
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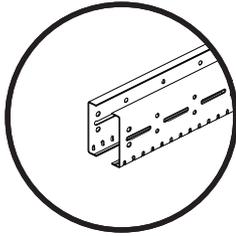


9



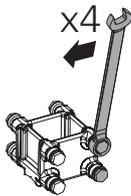
4.5 Verbindungslaschensatz, XBCJX A85



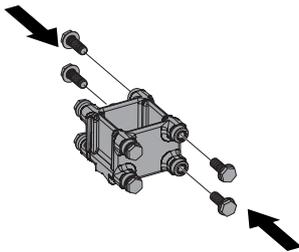


X85X

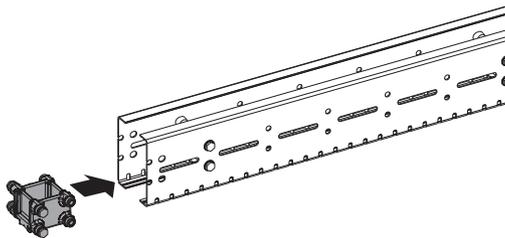
1



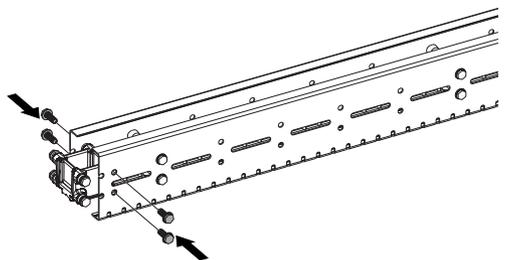
2



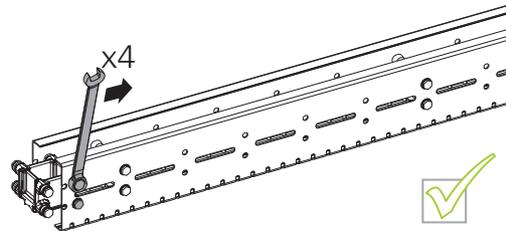
3



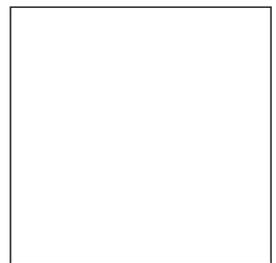
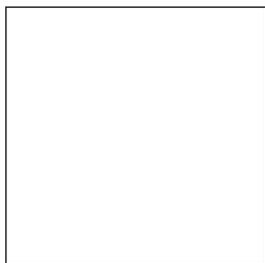
4

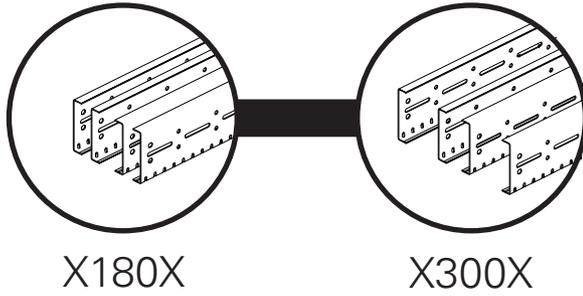


5



4.6 Verbindungslaschensatz, XBCJX A180/300

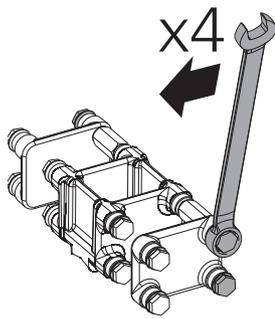




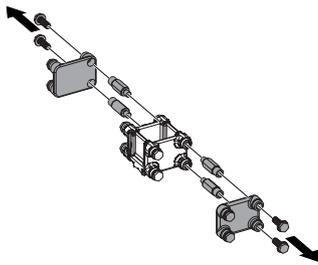
X180X

X300X

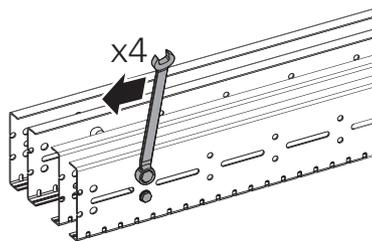
1



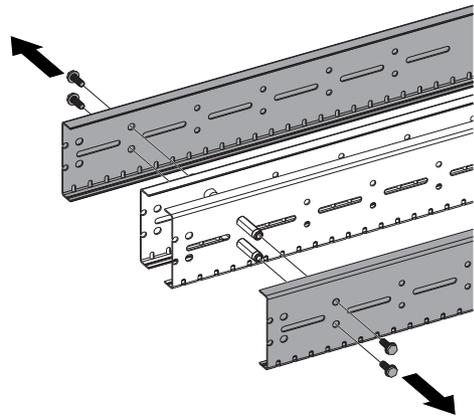
2



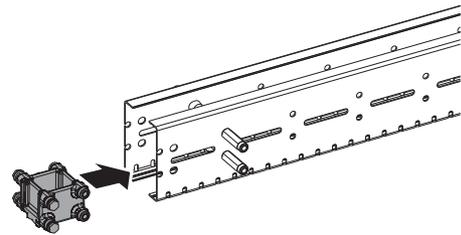
3



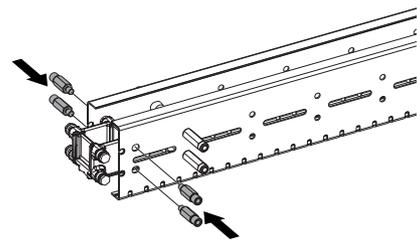
4



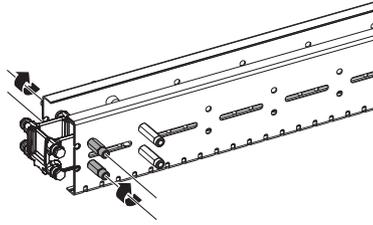
5



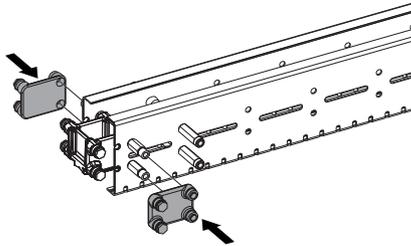
6



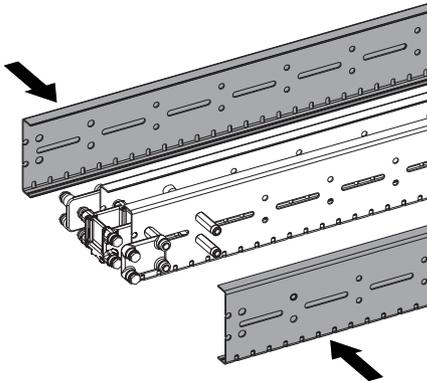
7



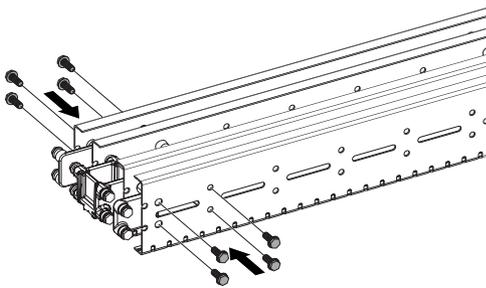
8



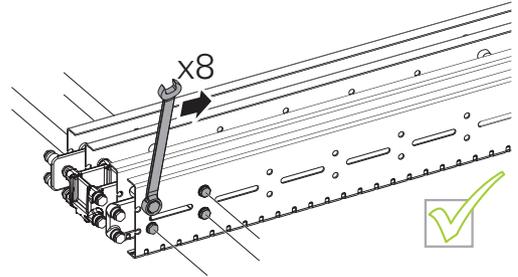
9



10

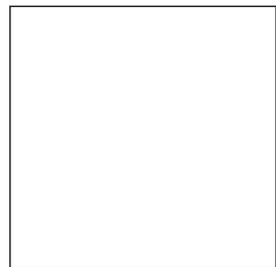
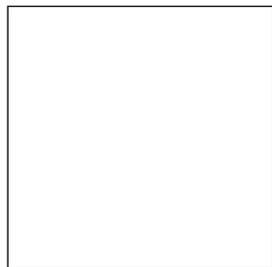
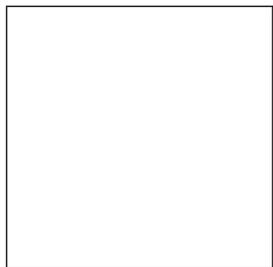
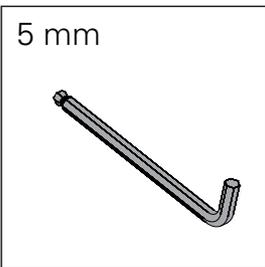
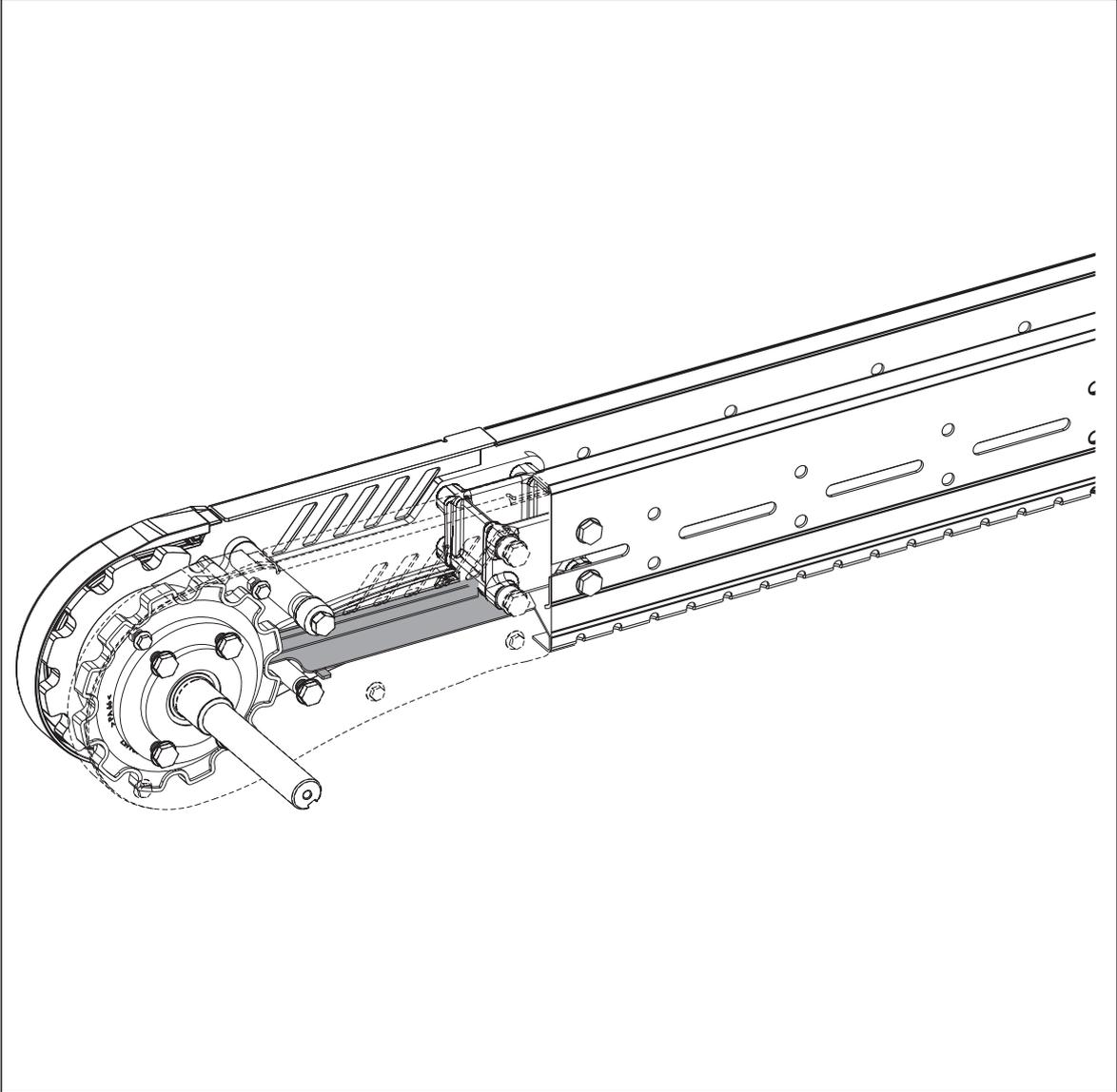


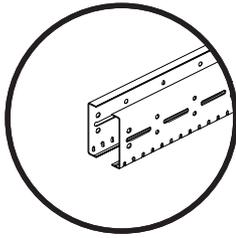
11



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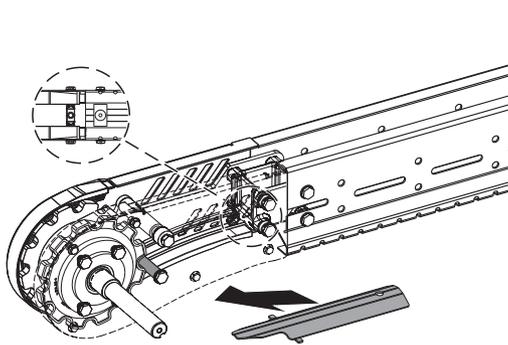
4.7 Ablaufblech-Kit, 5114763



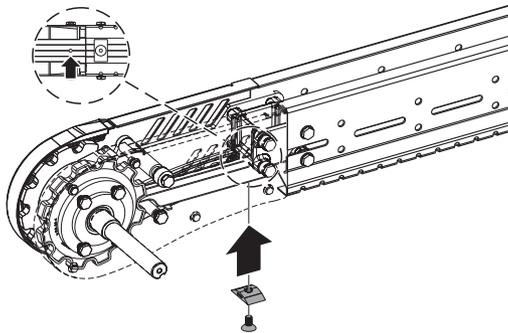


X85X

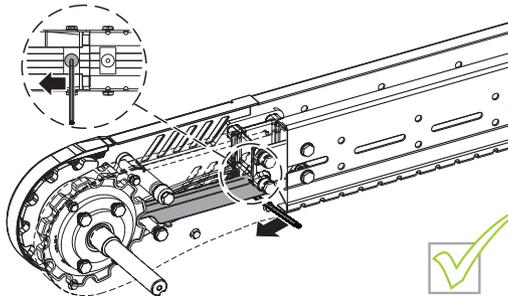
1



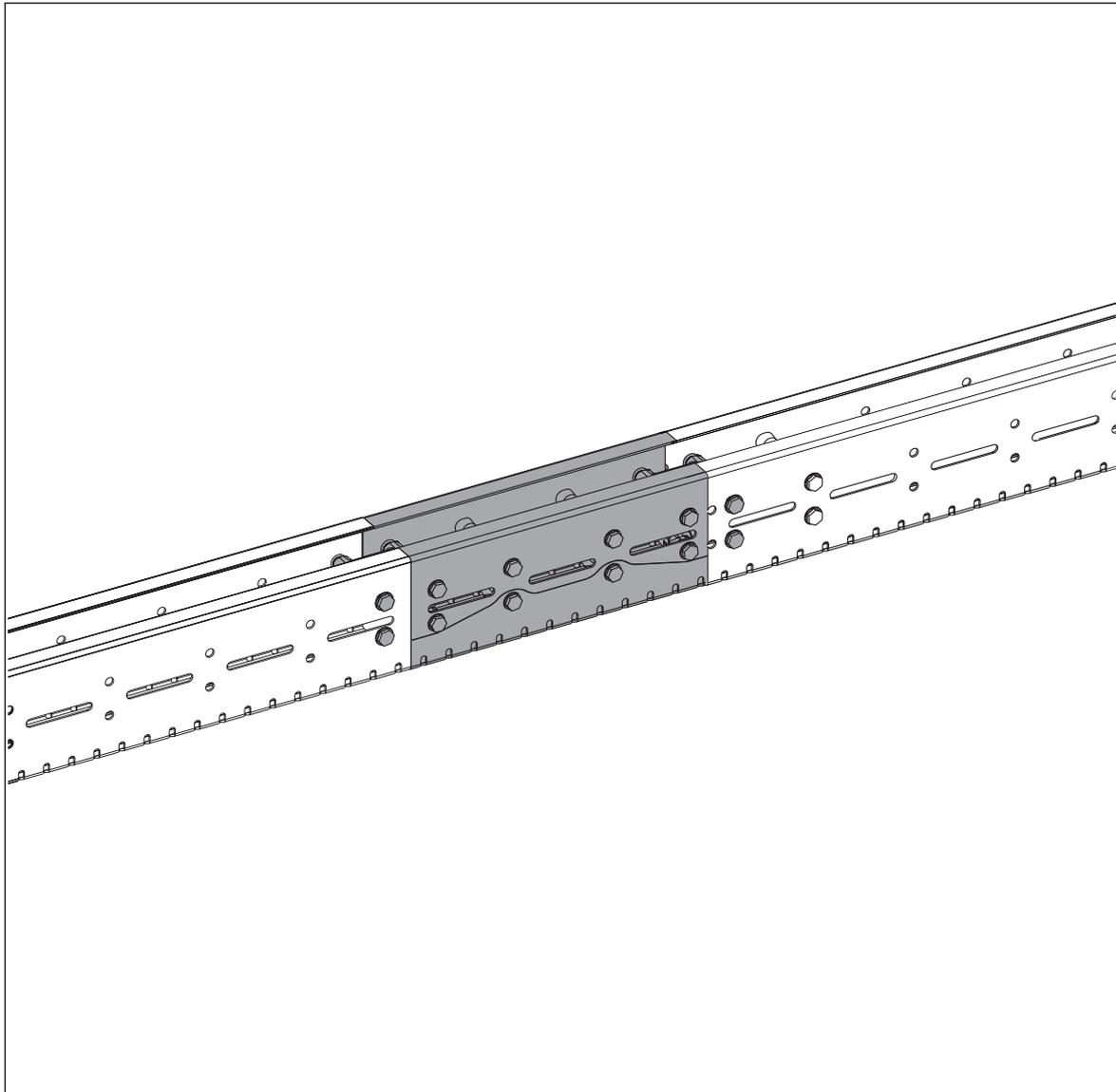
2



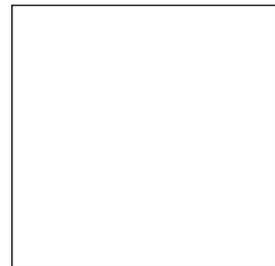
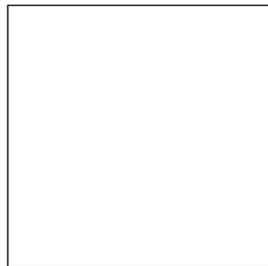
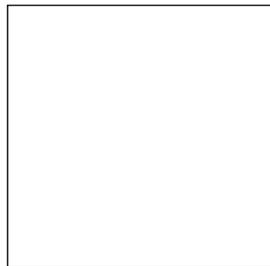
3

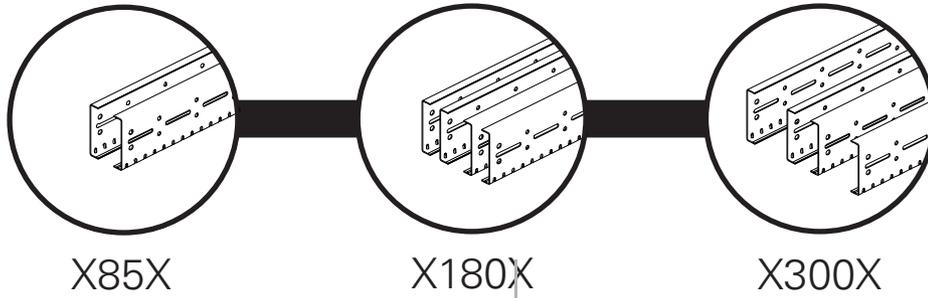


4.8 Führungprofilabschnitt für
Ketteninstallation, XBCCX 300A85/
300a180/300a300

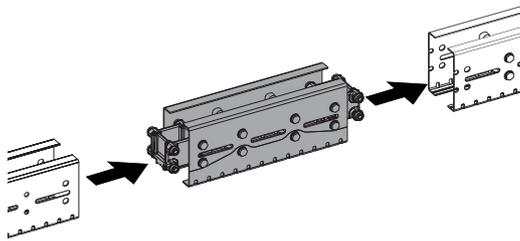


13 mm

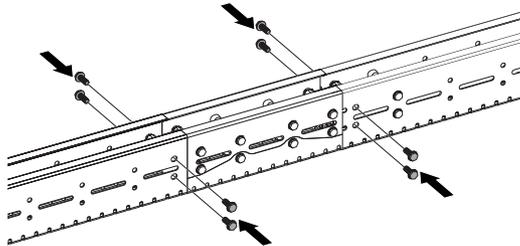




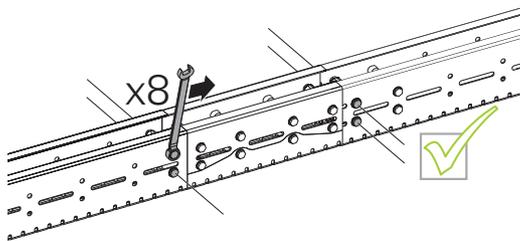
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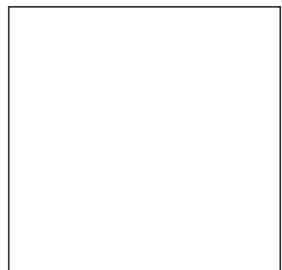
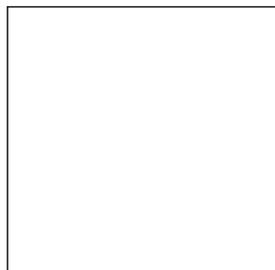
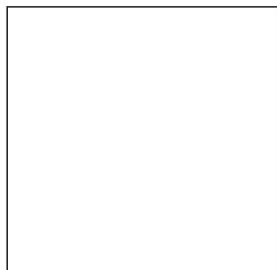
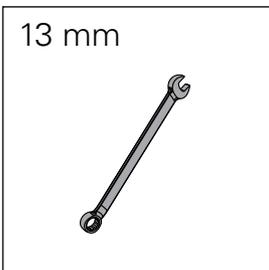
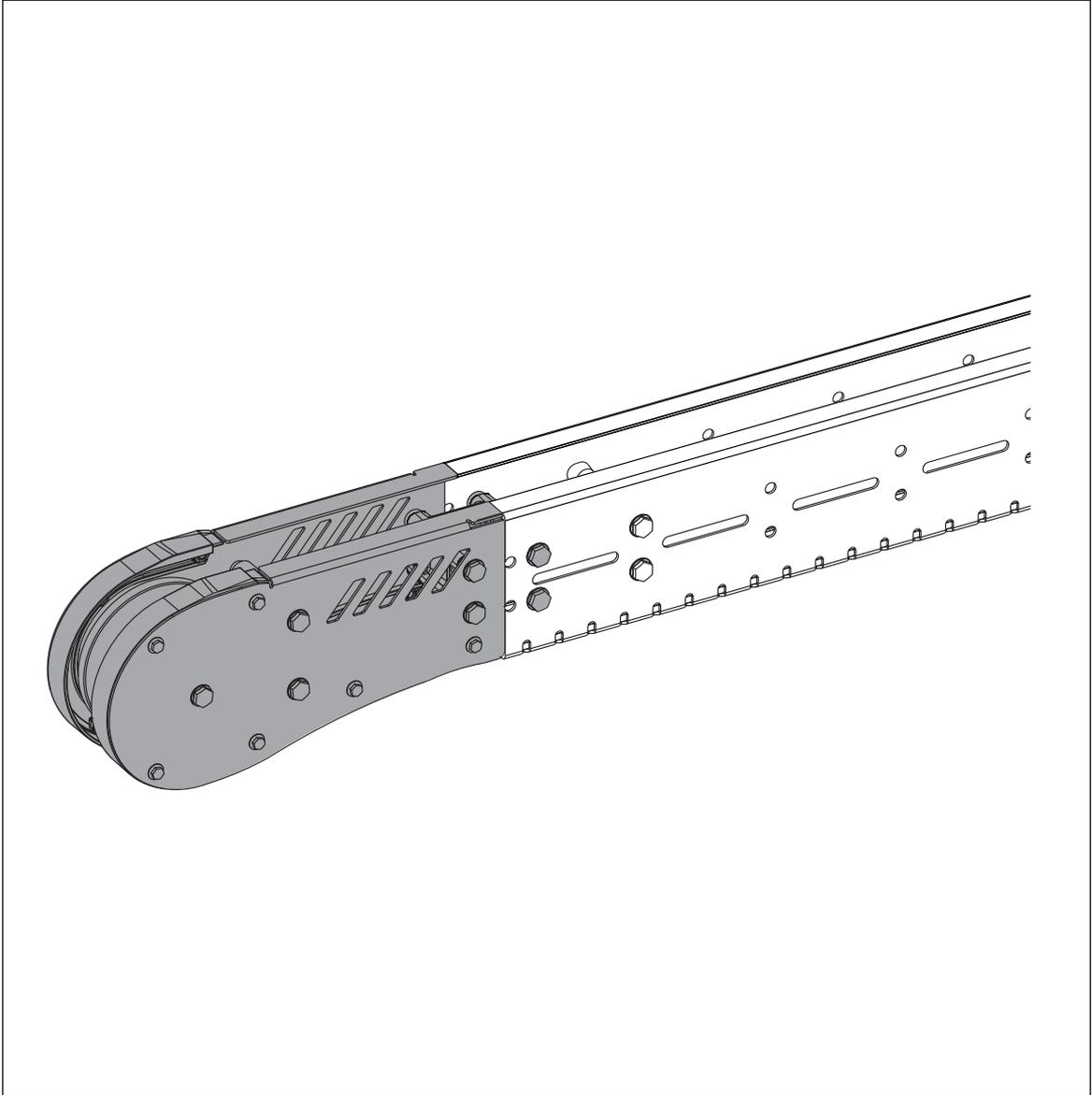
2

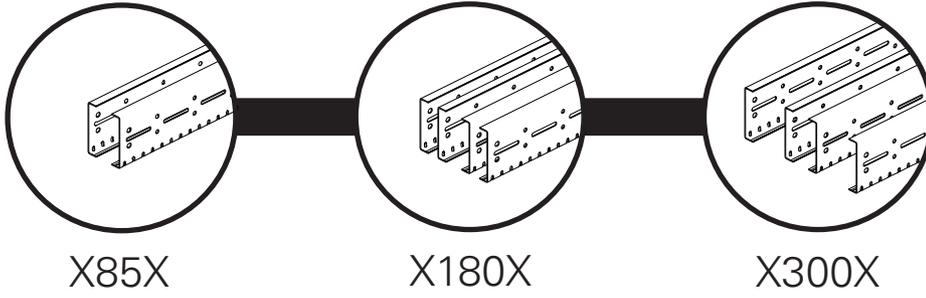


3

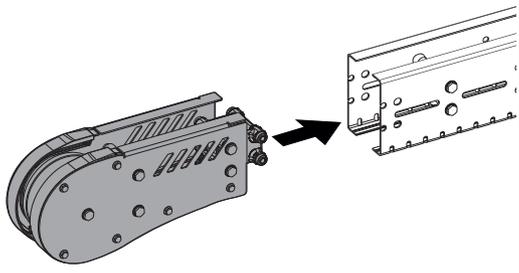


4.9 Umlenkeinheit, XBEJX A85/180/300

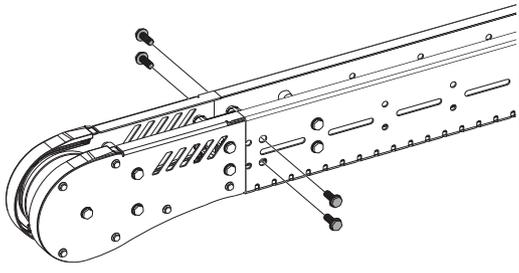




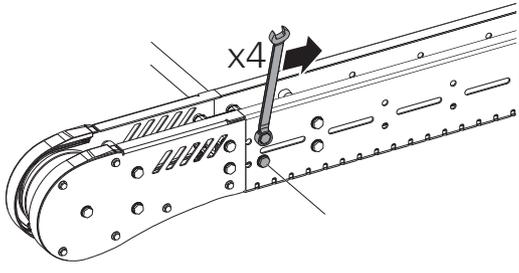
1



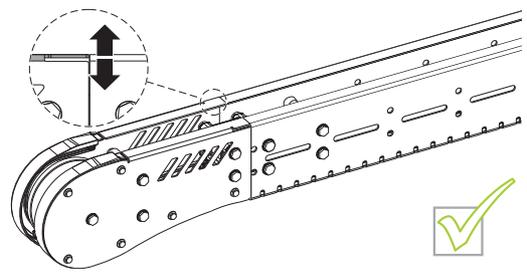
2



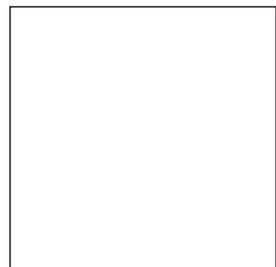
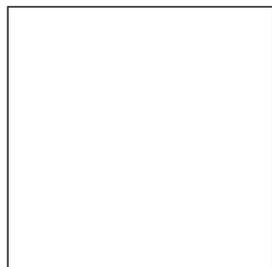
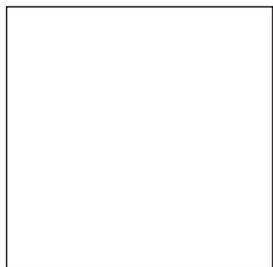
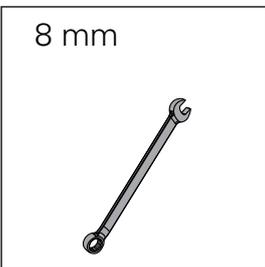
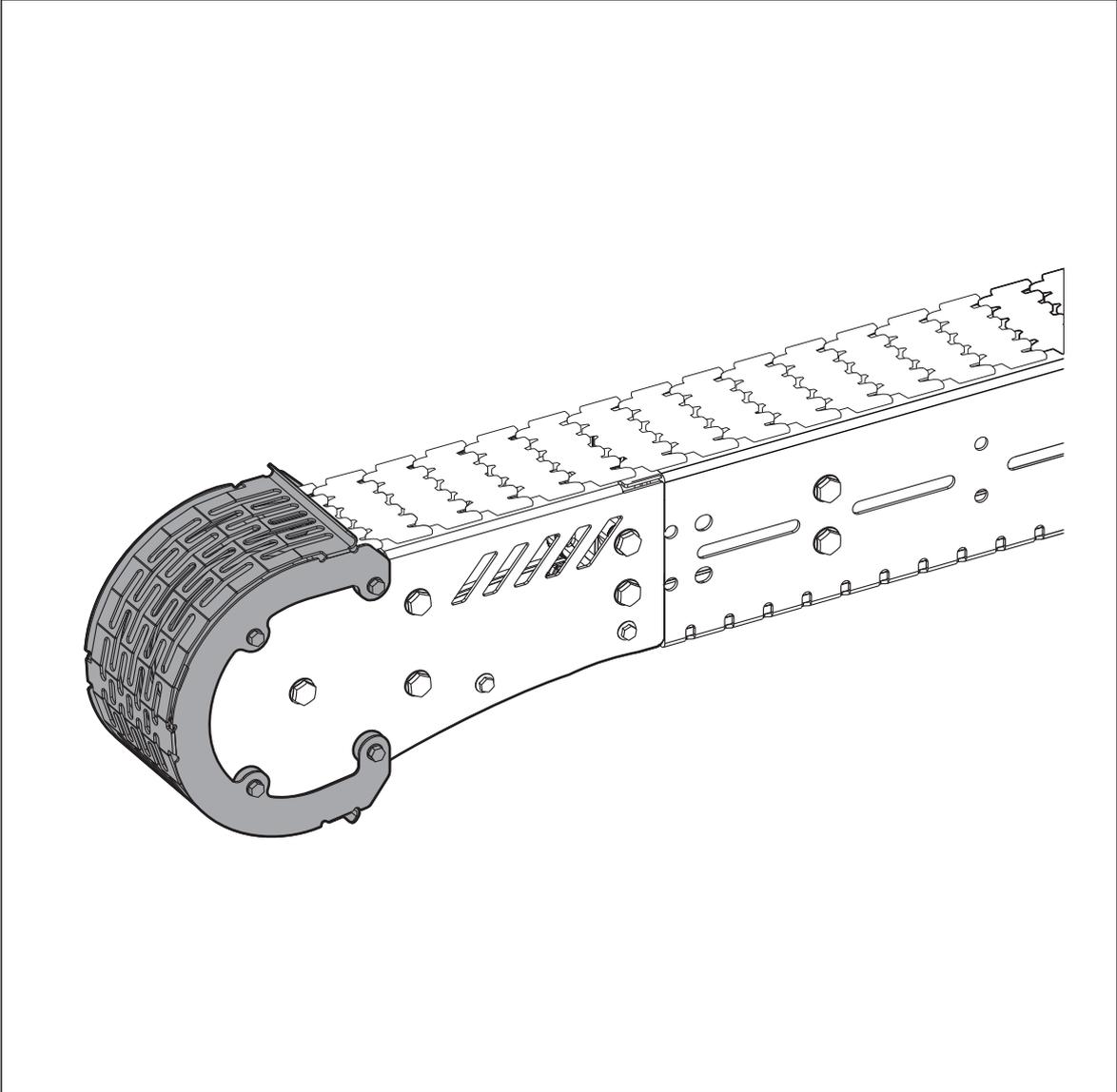
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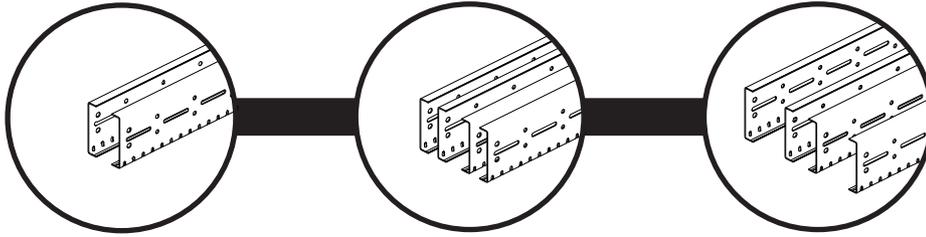


4



4.10 Schutzabdeckung für Umlenkeinheit,
XBSJX A85/180/300



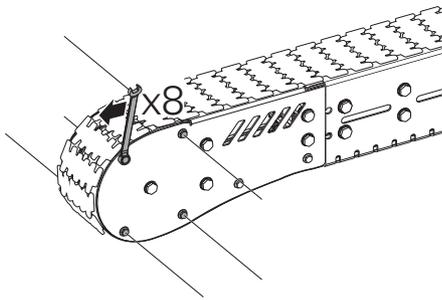


X85X

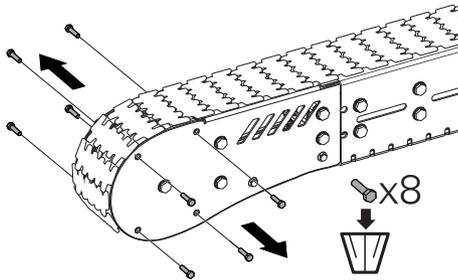
X180X

X300X

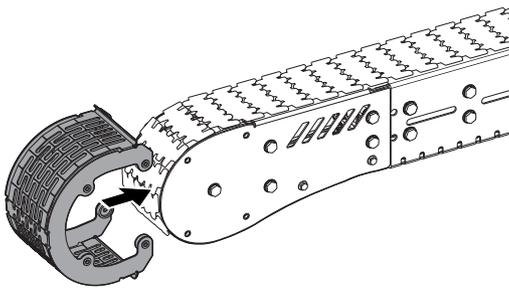
1



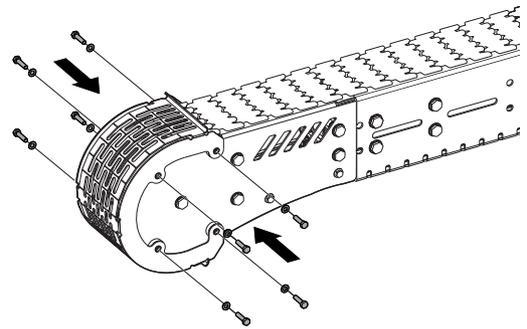
2



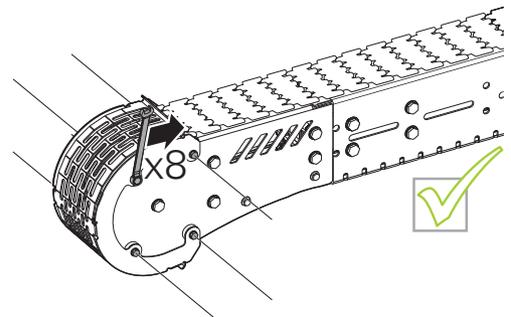
3



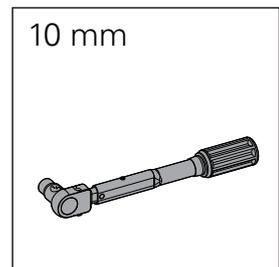
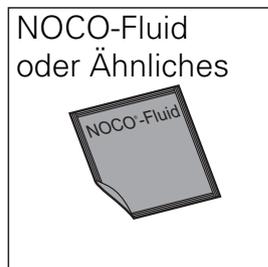
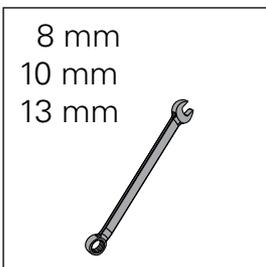
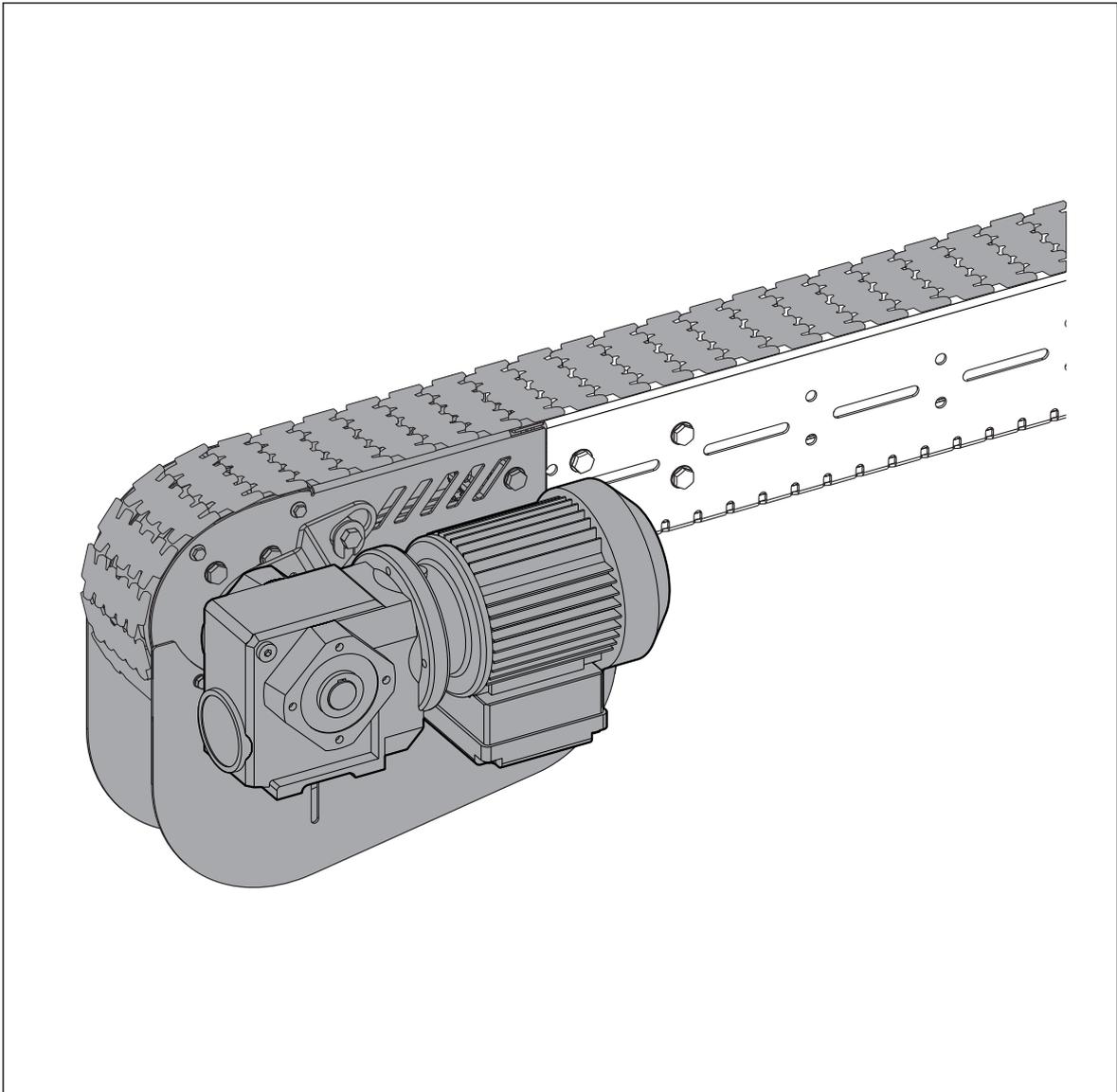
4

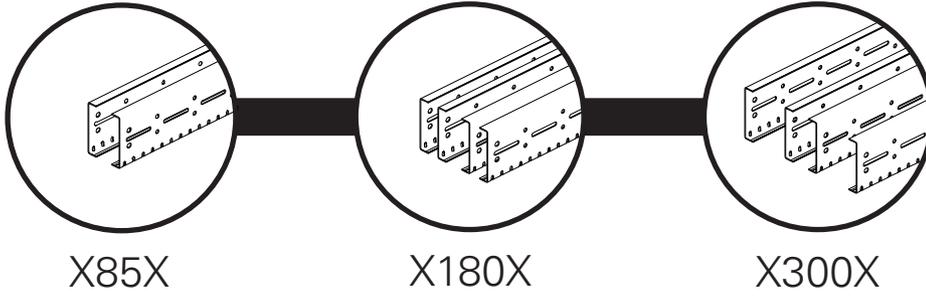


5

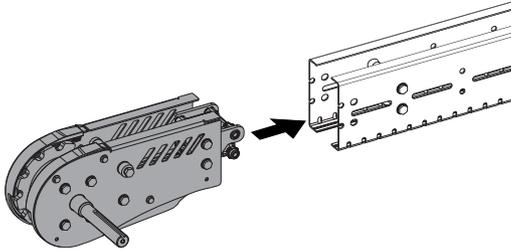


4.11 Endantriebseinheit, Direktantrieb, XBEBX
0A85/180/300HN_P

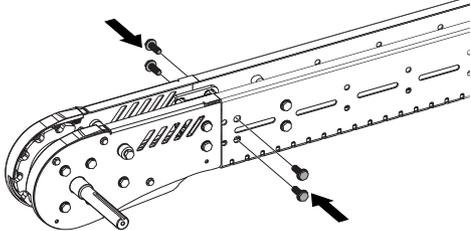




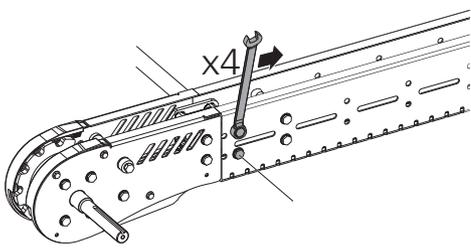
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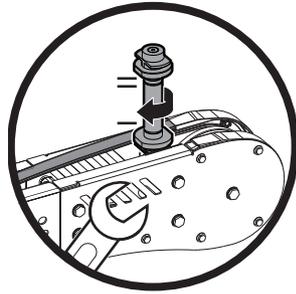
2



3



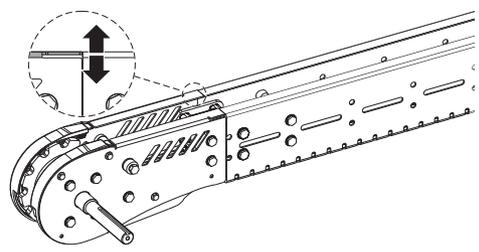
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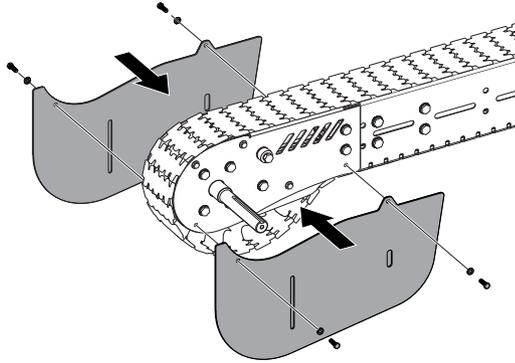
5



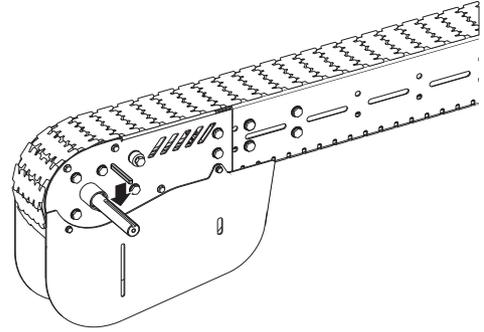
6



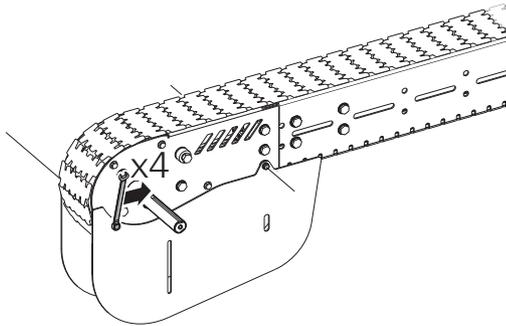
7



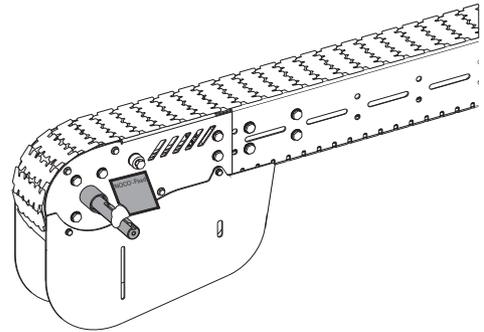
10



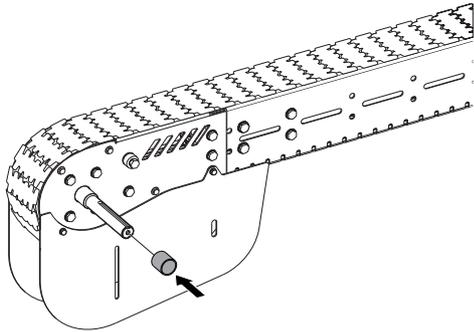
8



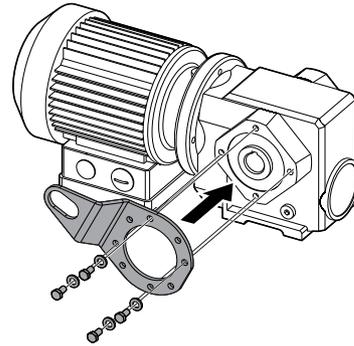
11



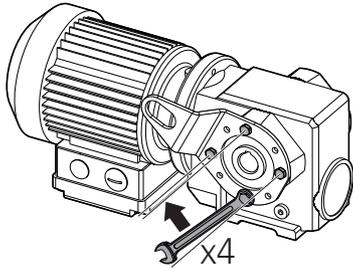
9



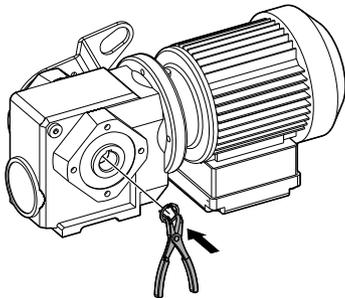
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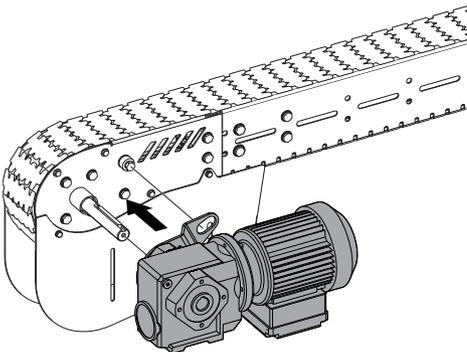
13



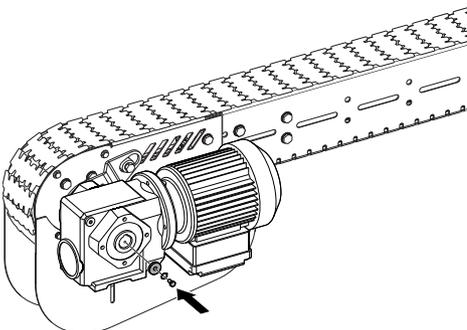
14



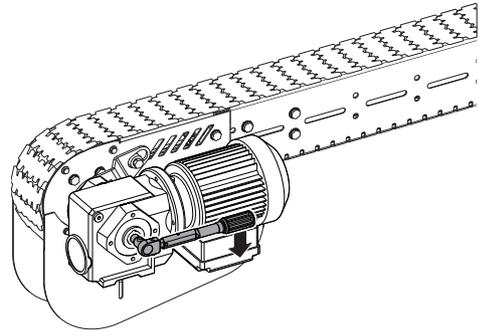
15



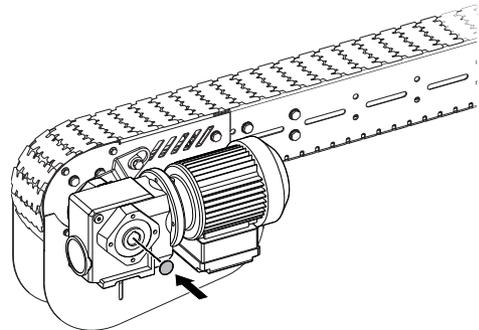
16



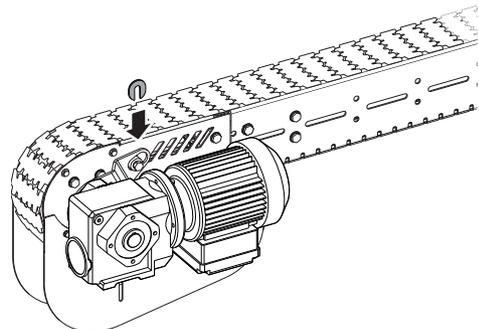
17



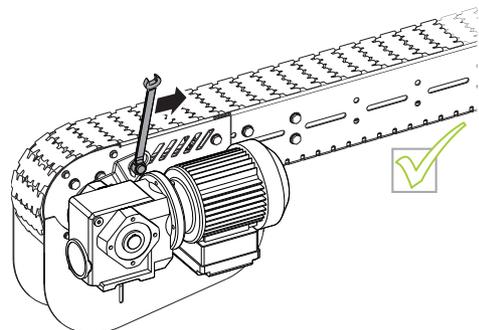
18



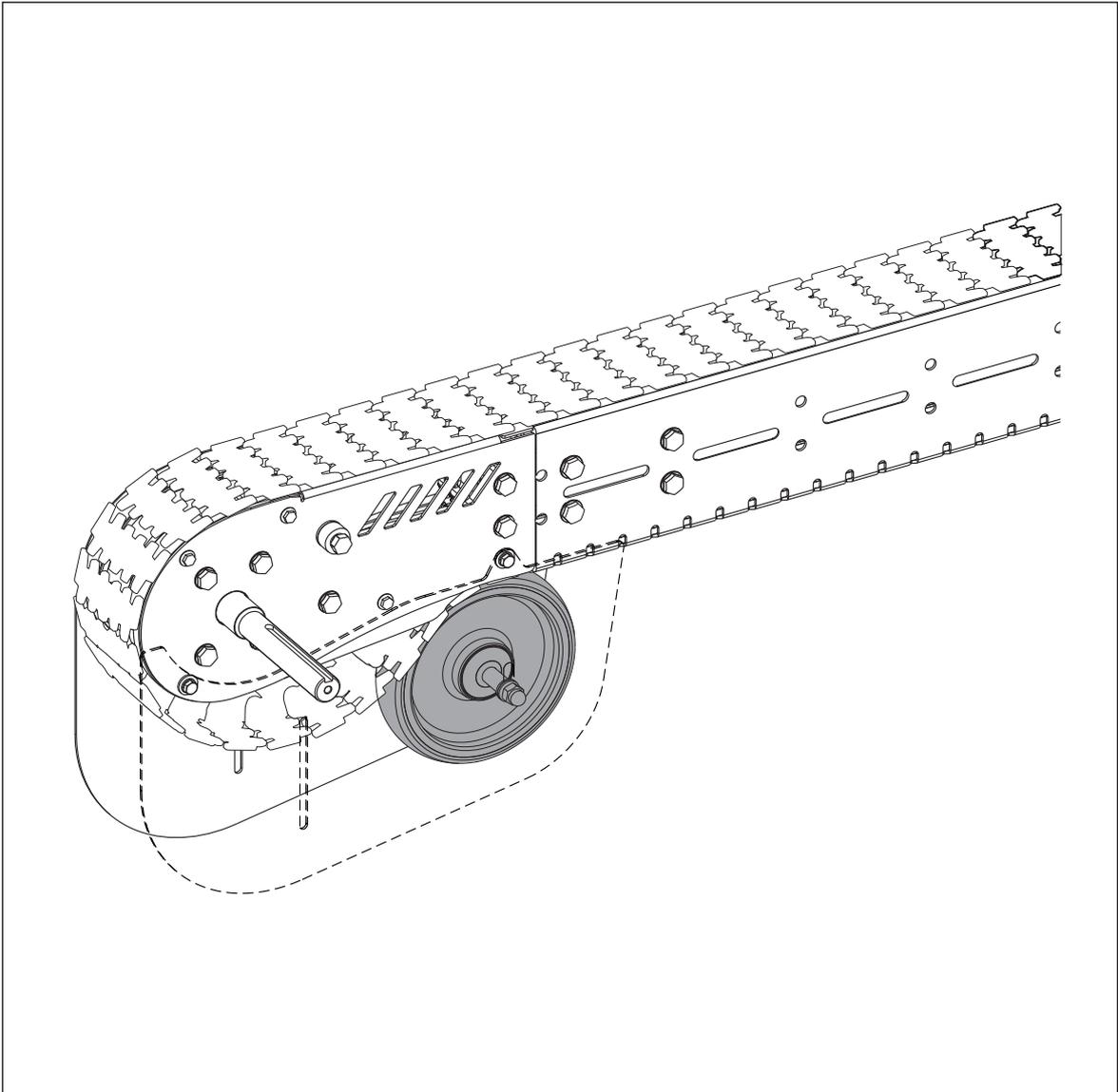
19



20

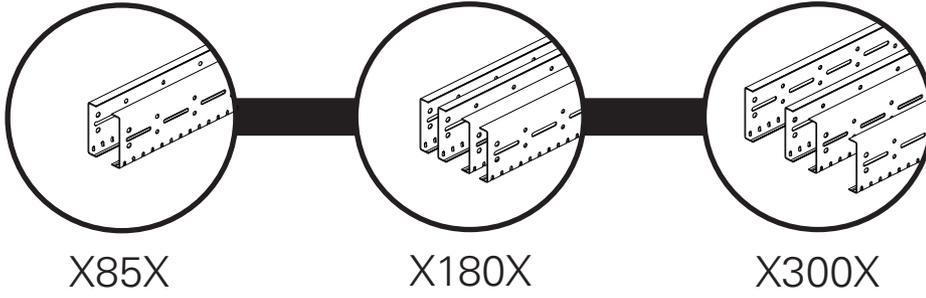


4.12 Führungsrollen-Kit, 5055635/5114932/
5114930

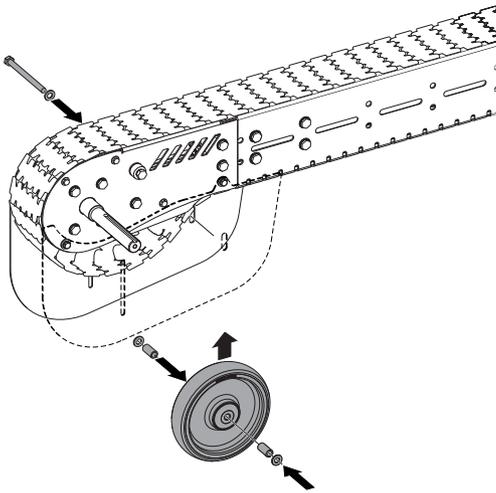


13 mm

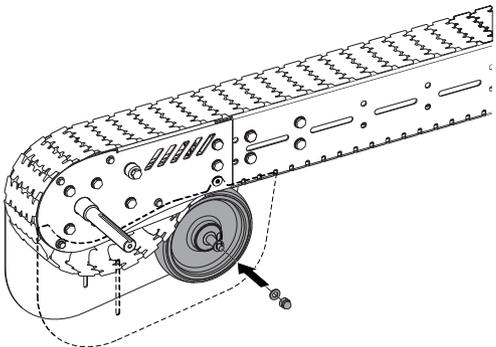




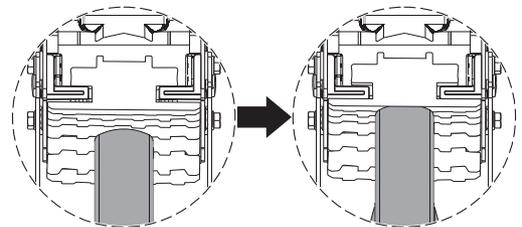
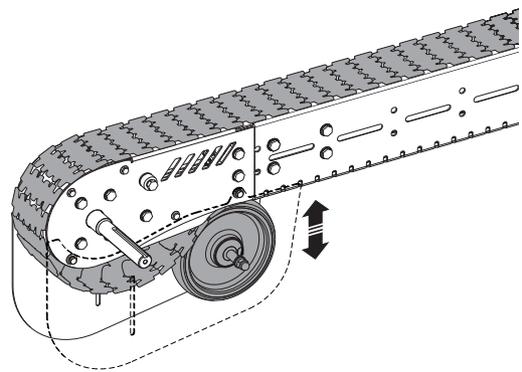
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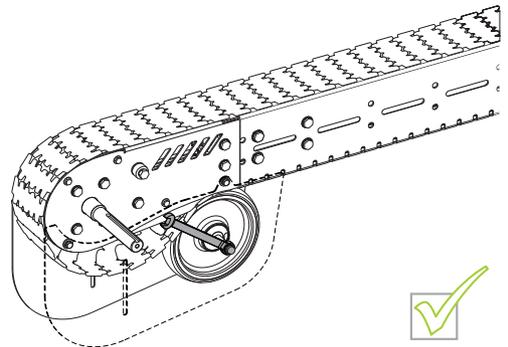
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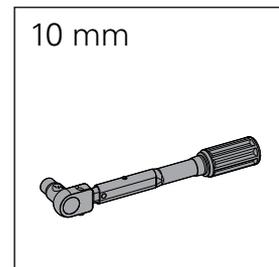
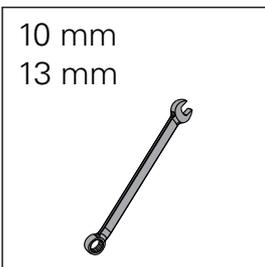
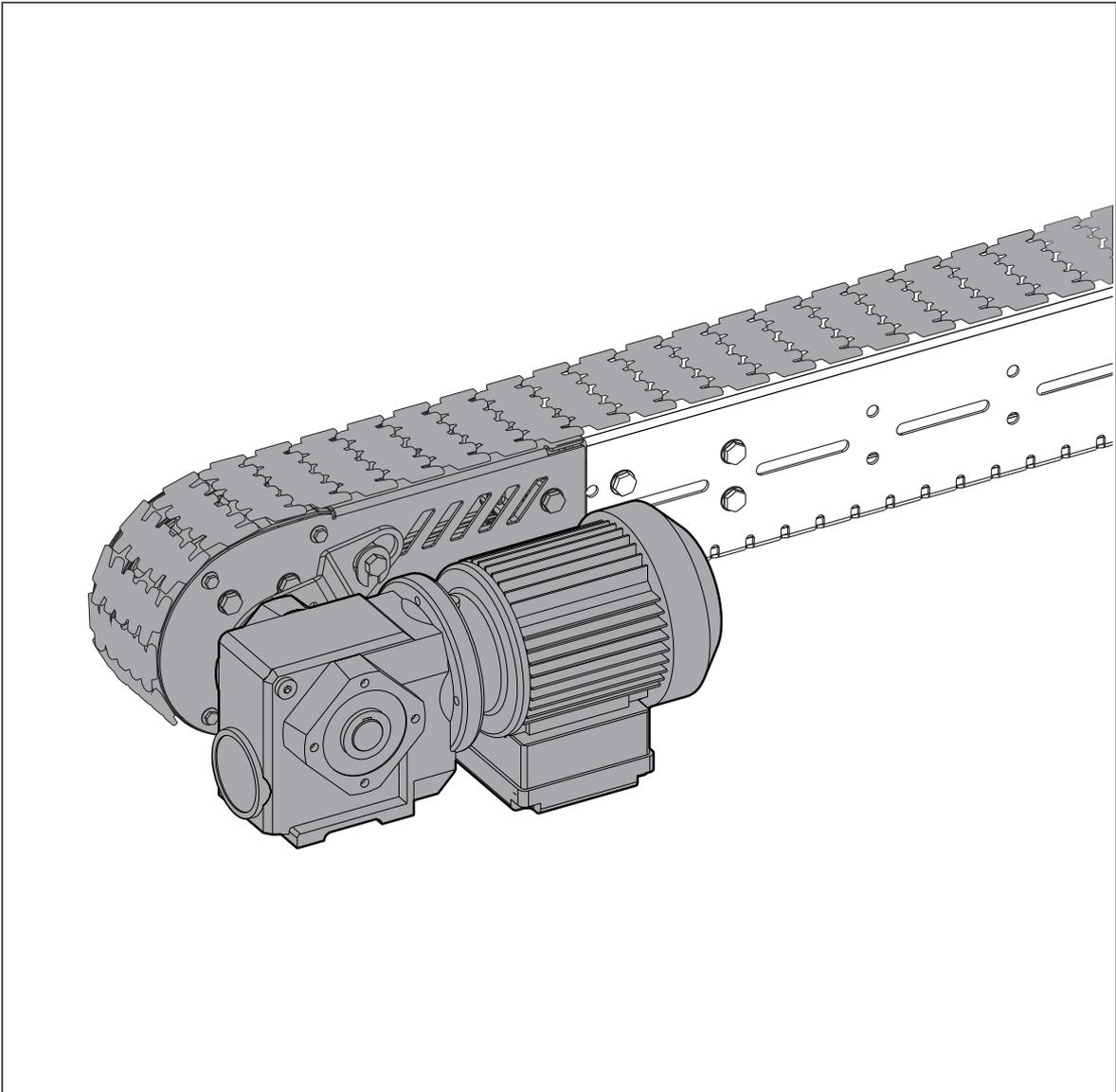
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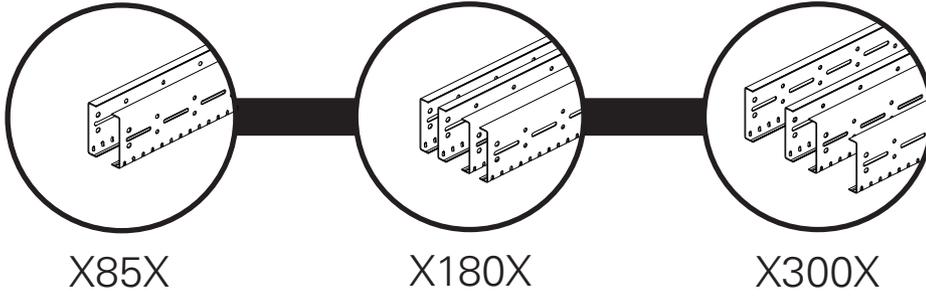


4

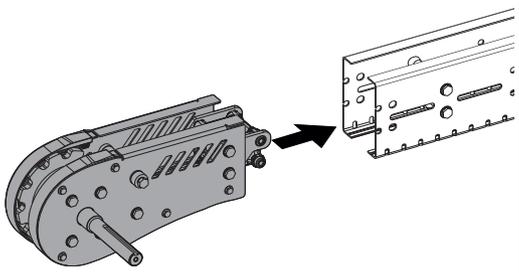


4.13 Endantriebseinheit, geschlossene
Kettenführung, ohne Rutschkupplung
XBEBX0A85/180/300HN_GP

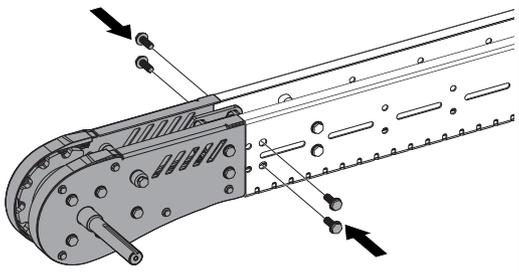




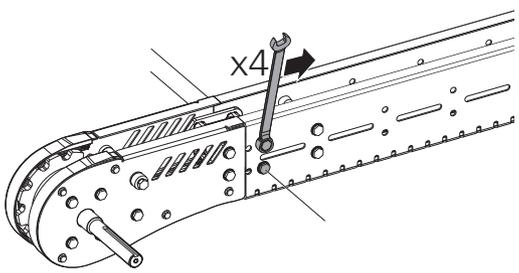
1



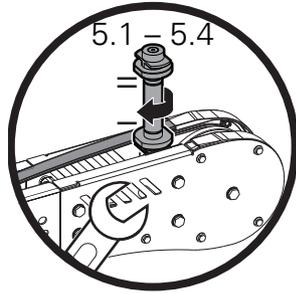
2



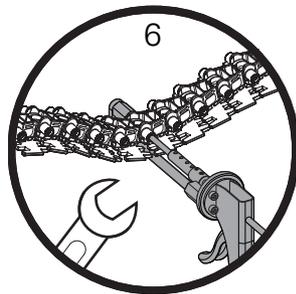
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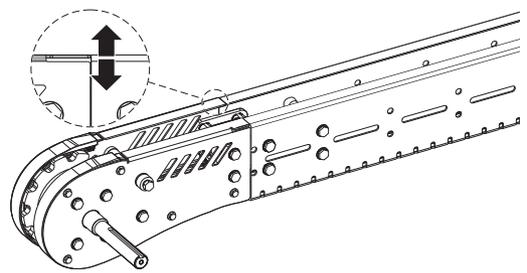
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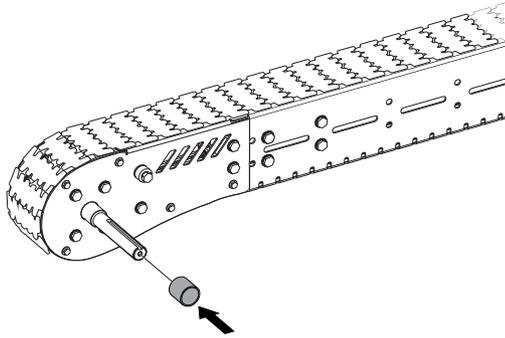
5



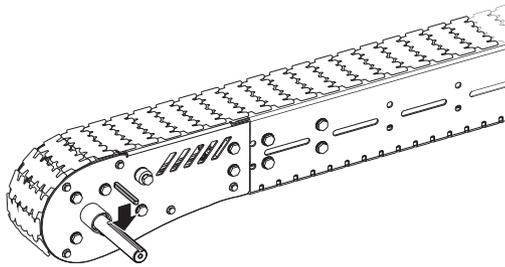
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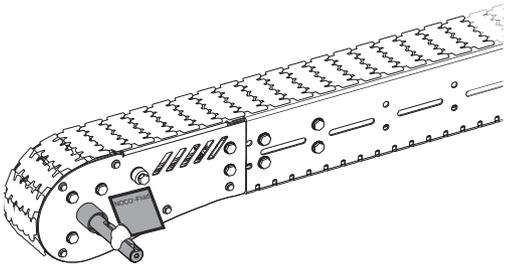
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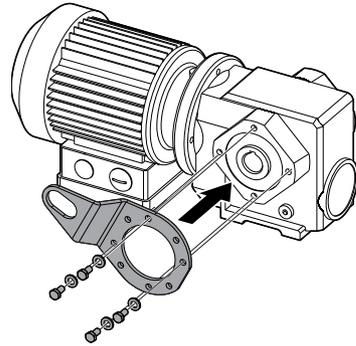
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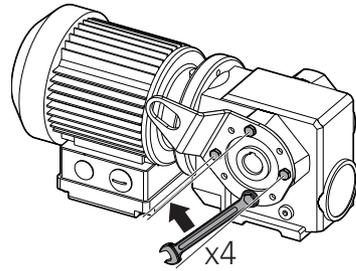
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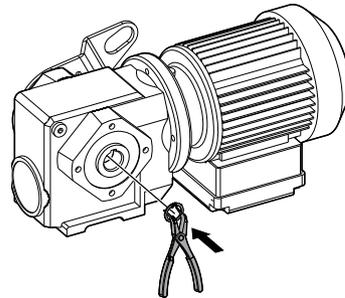
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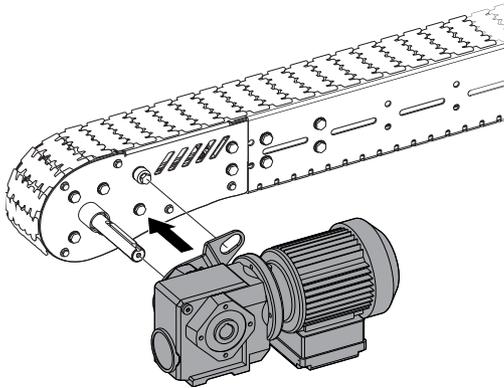
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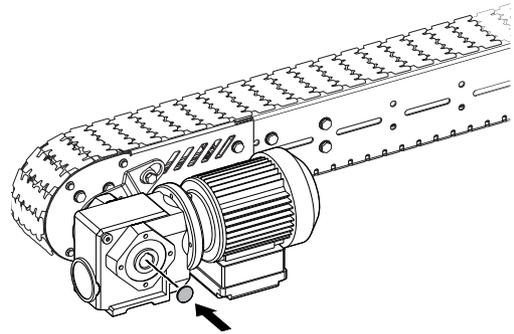
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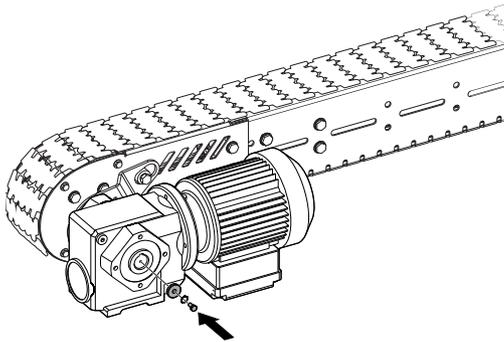
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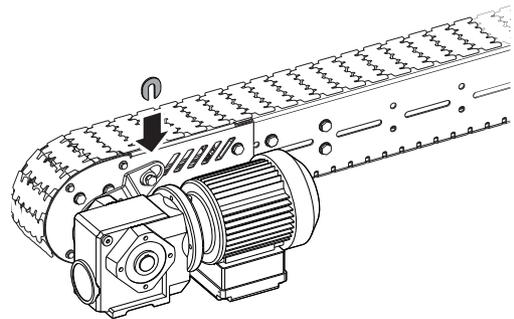
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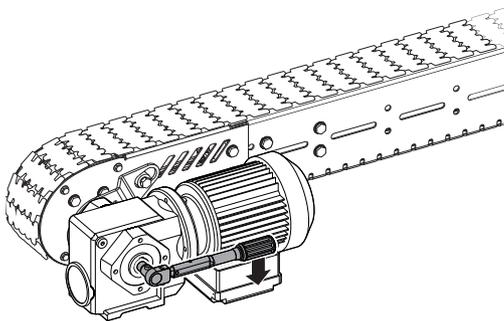
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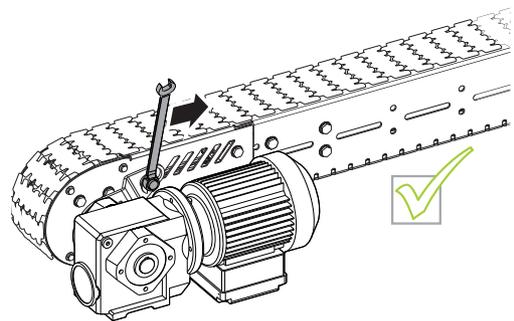
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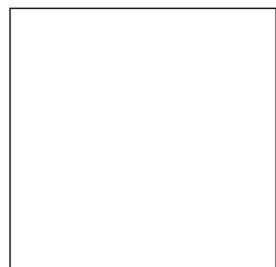
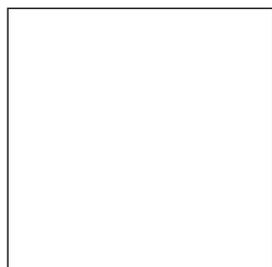
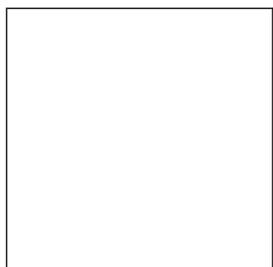
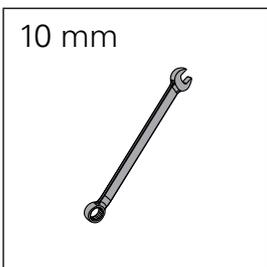
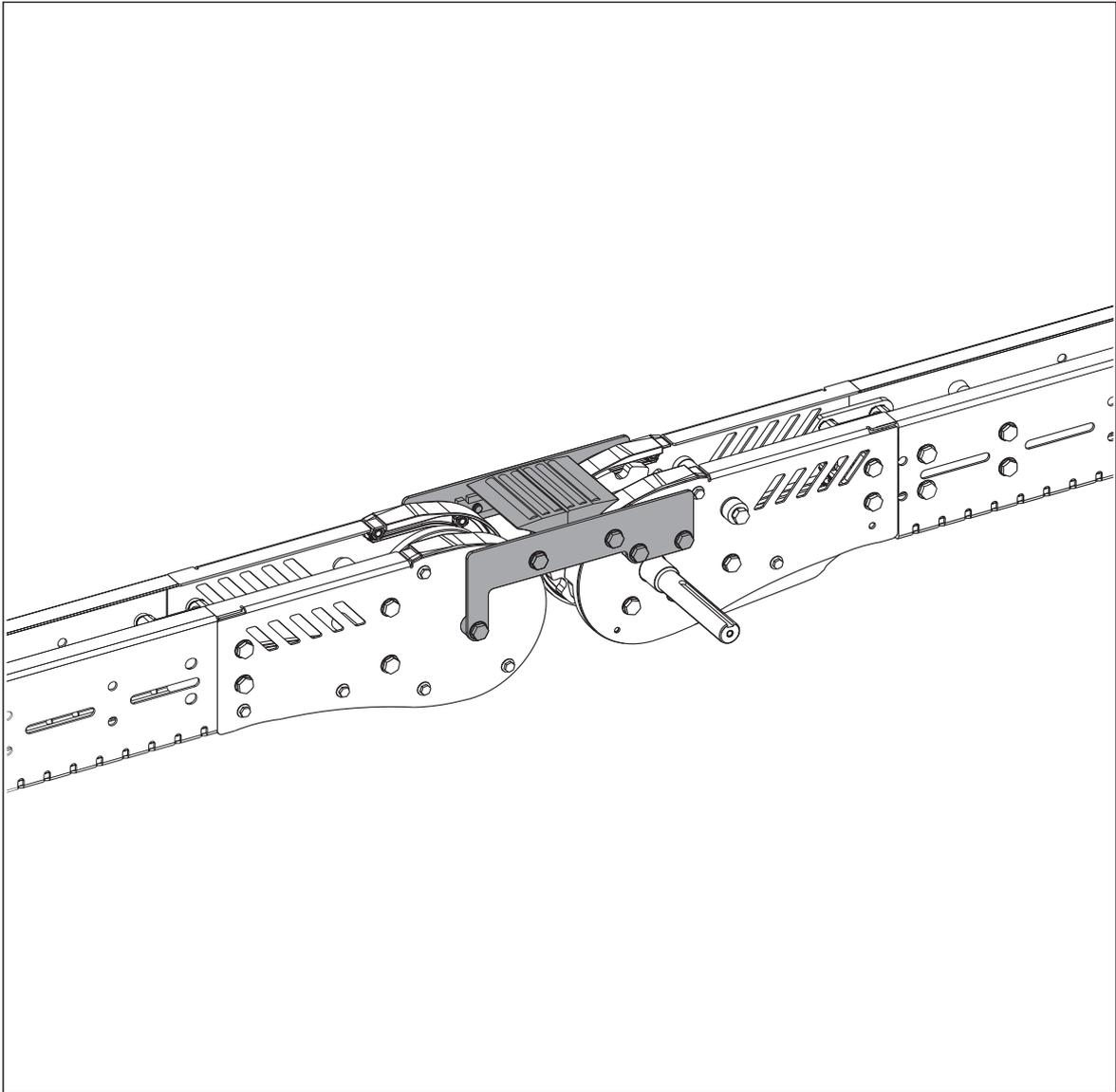
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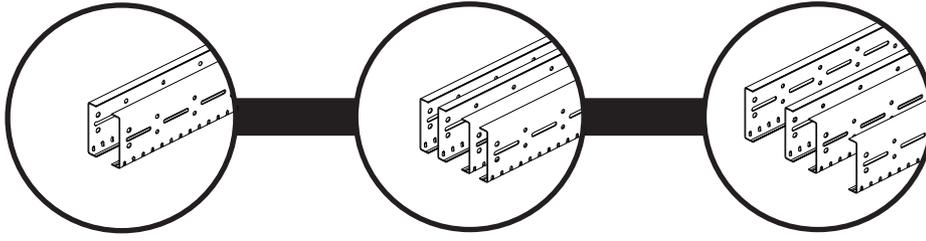


18



4.14 Brücke, 5115194/-/5115199



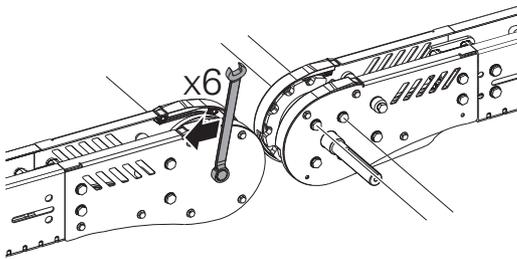


X85X

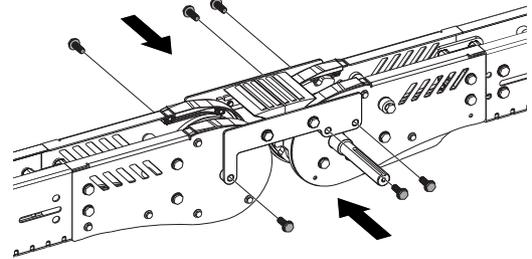
X180X

X300X

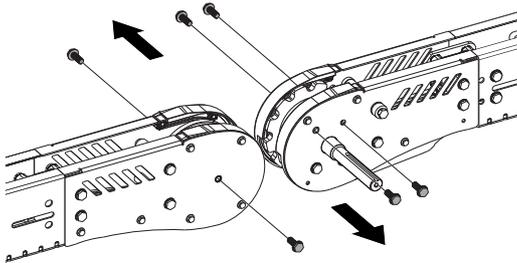
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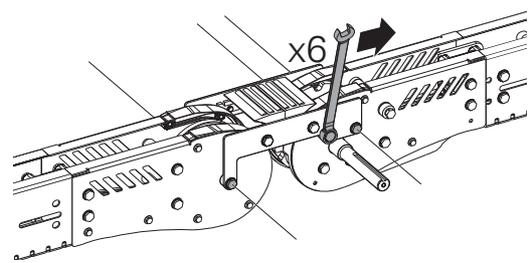
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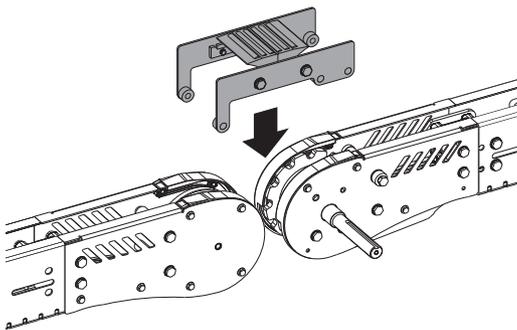
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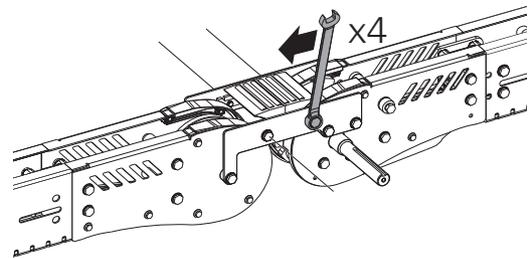
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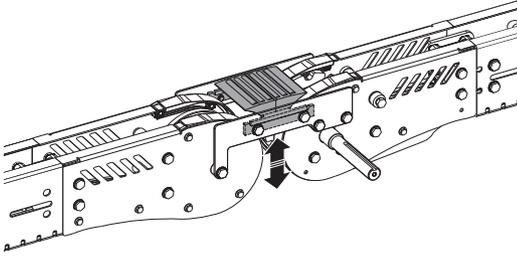
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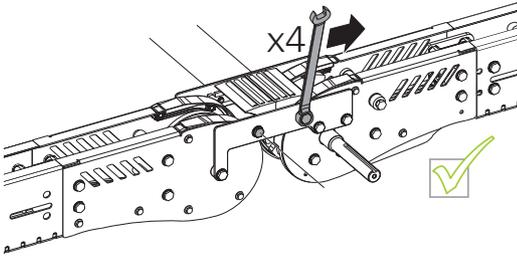
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7

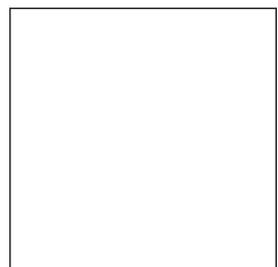
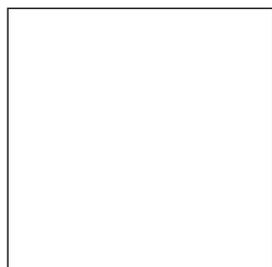
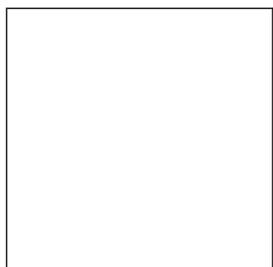
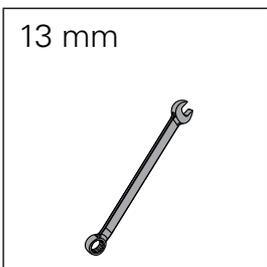
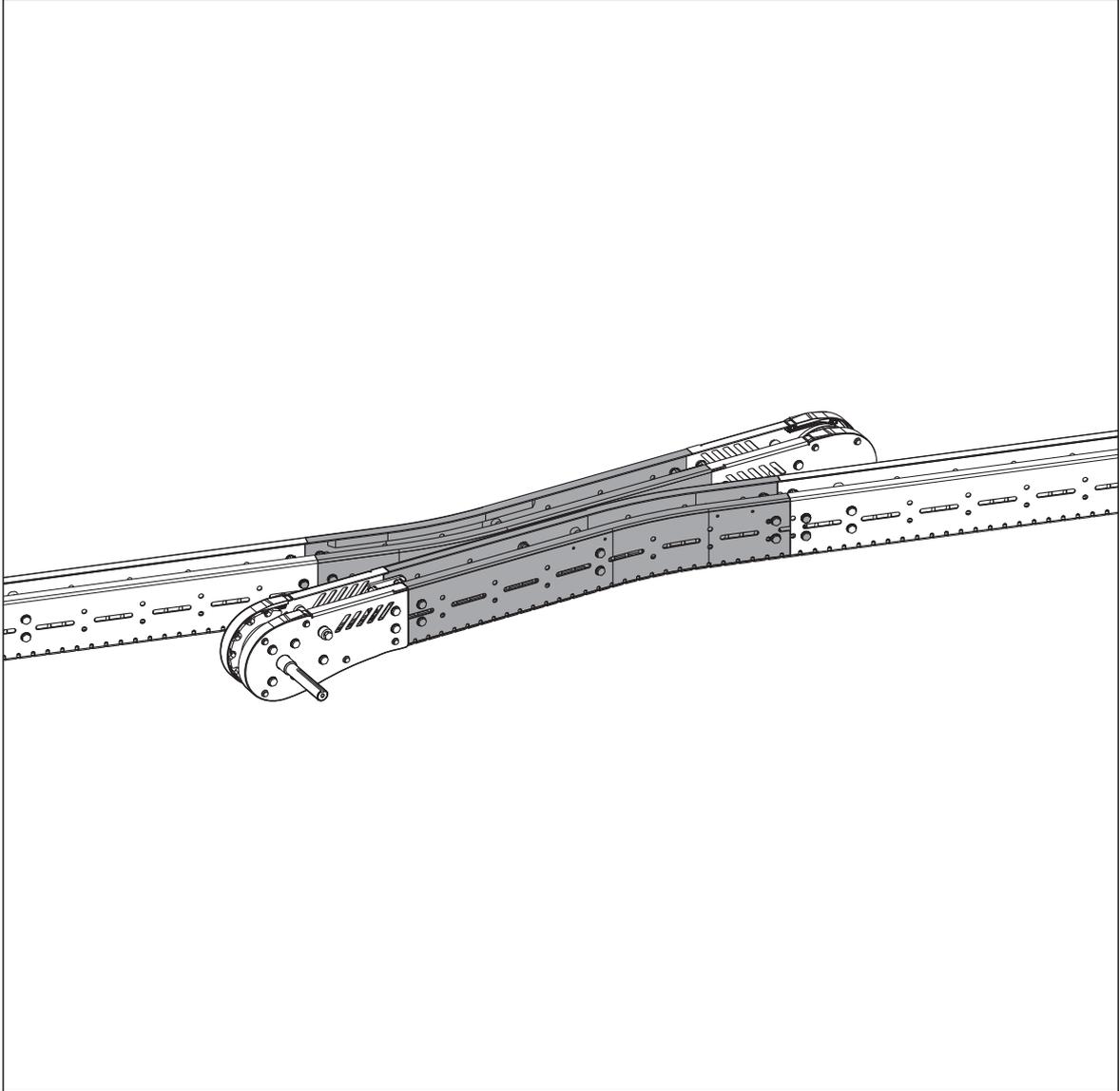


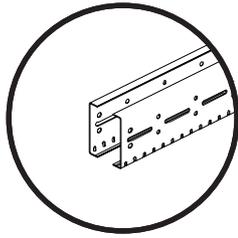
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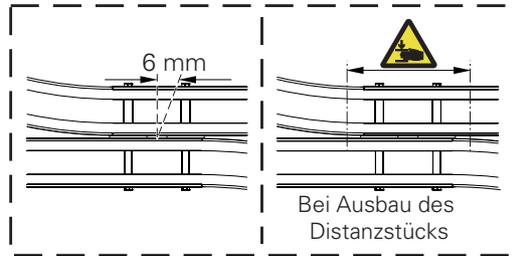
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4.15 X-Bogen, XBCXX 85 D_

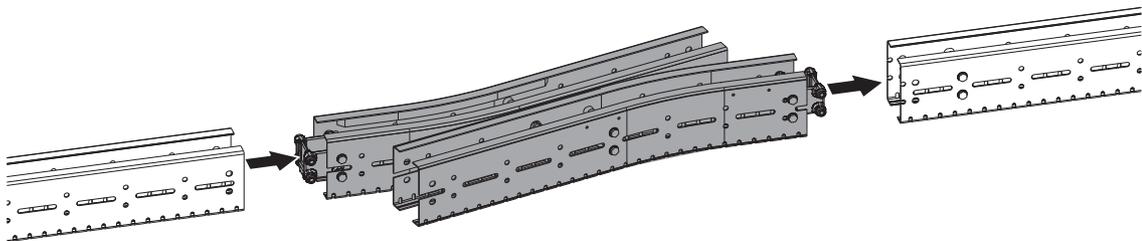




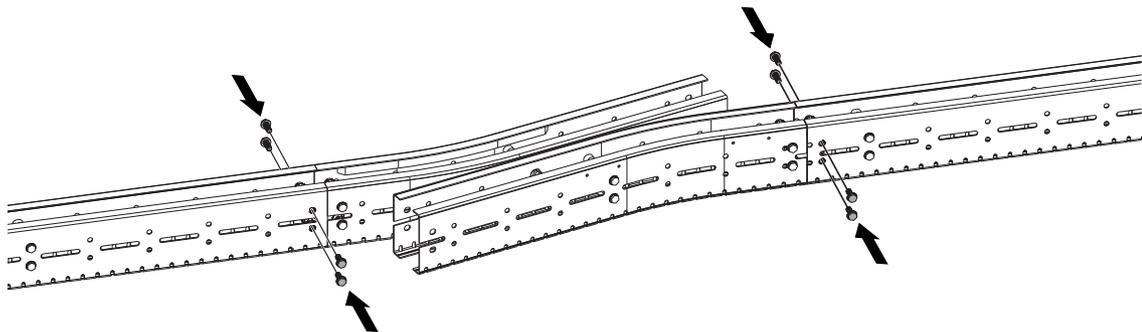
X85X



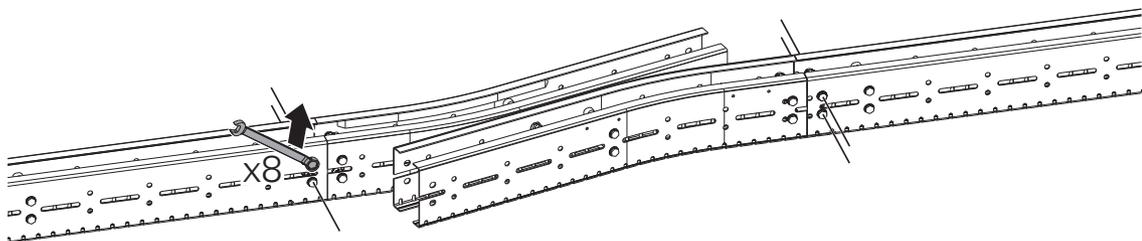
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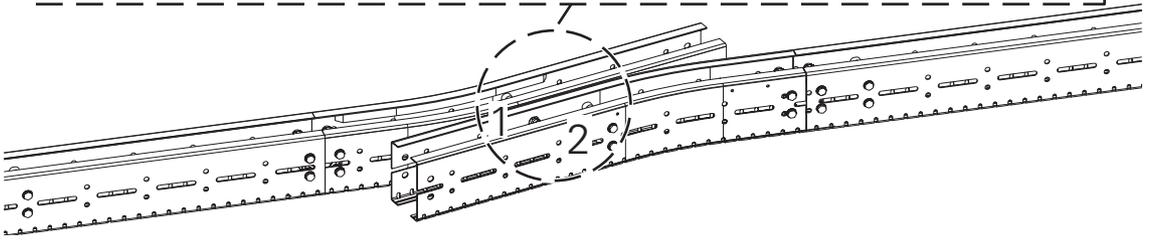
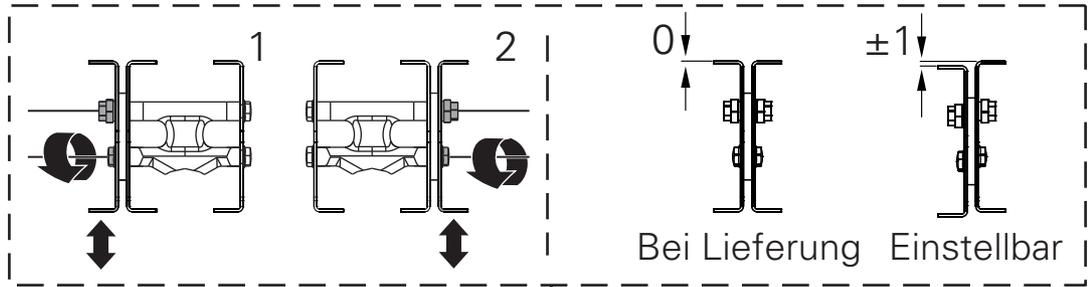


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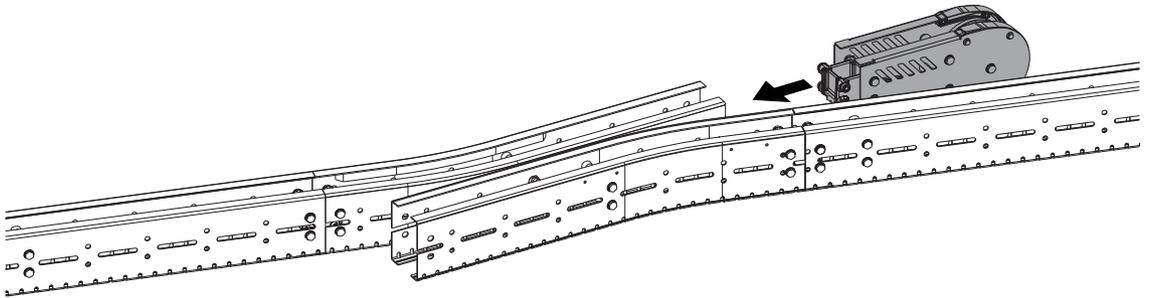


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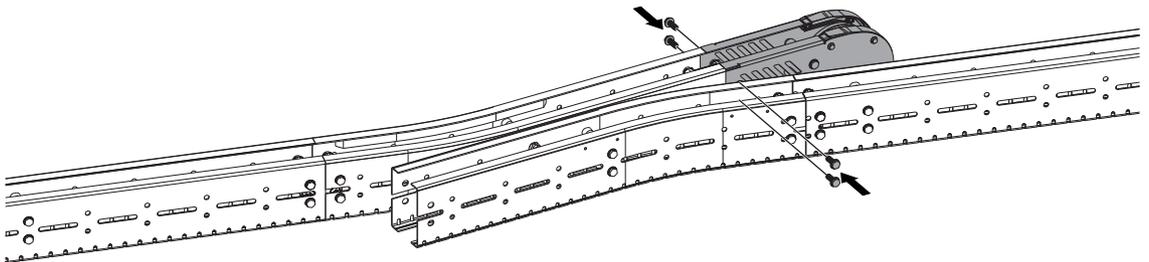




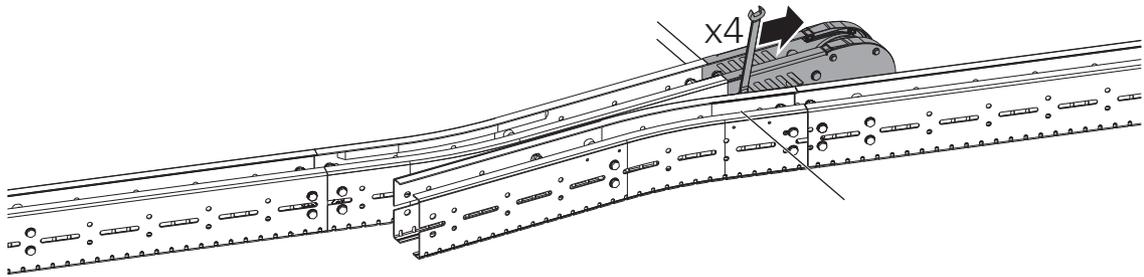
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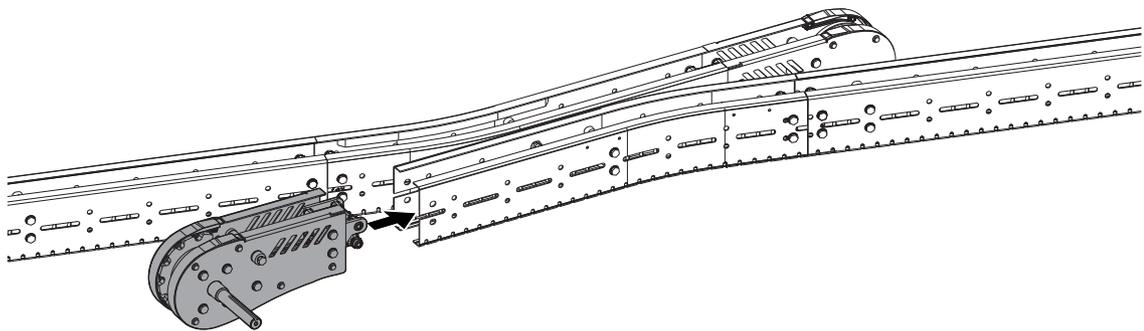
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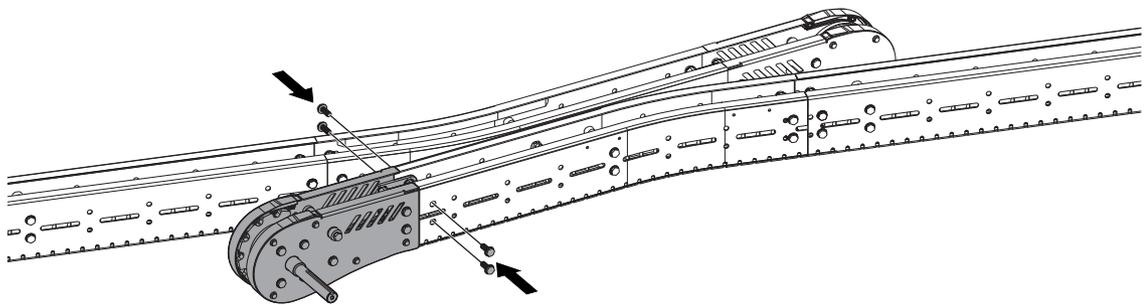
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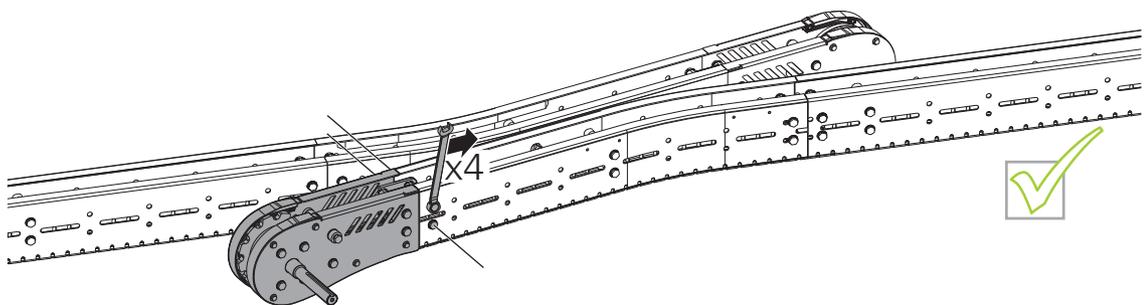
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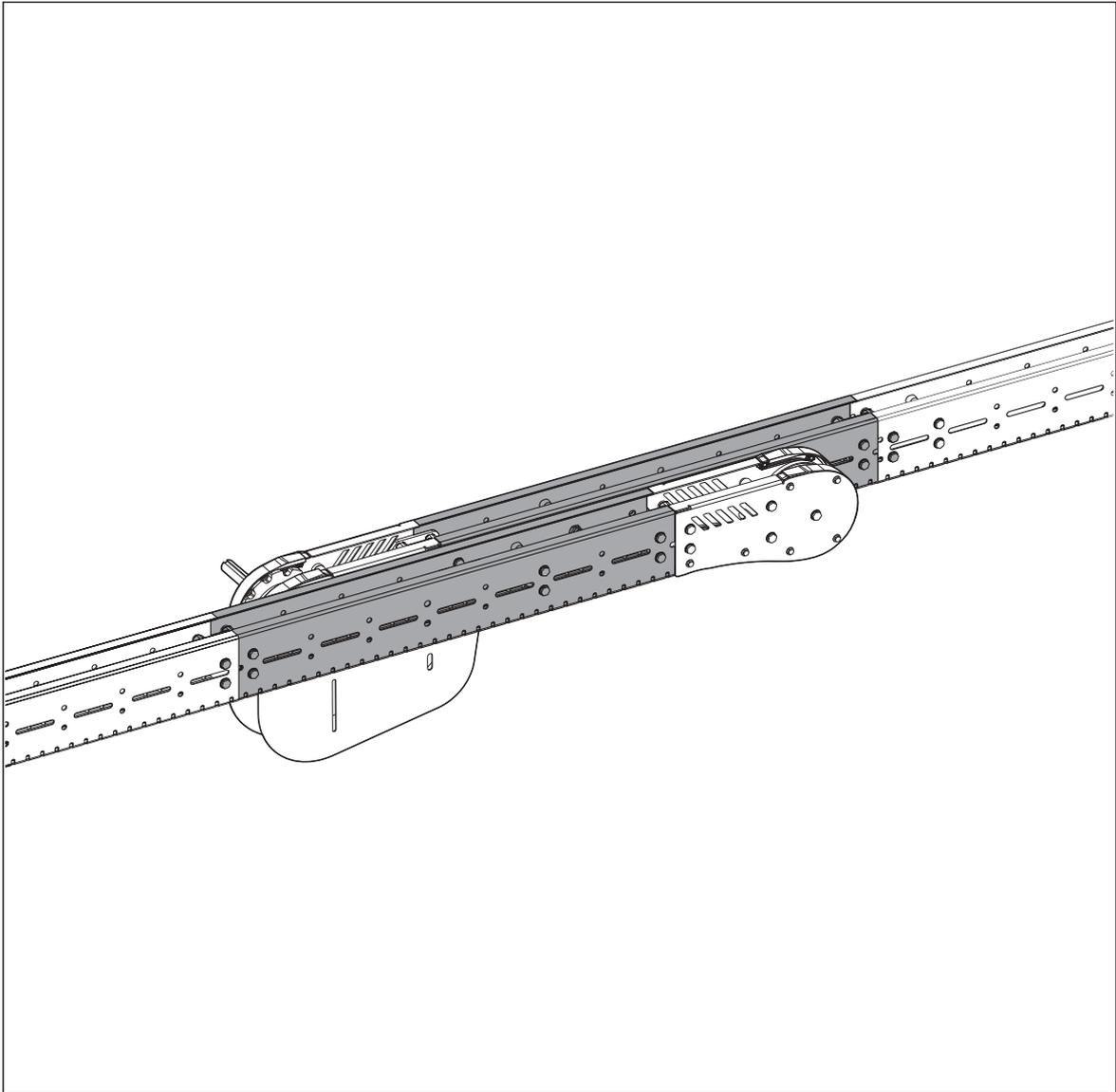
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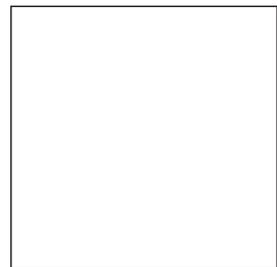
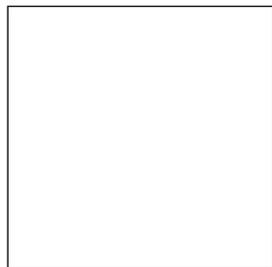
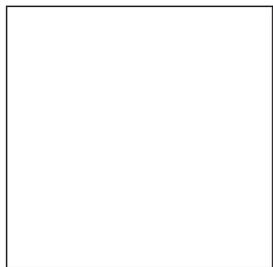
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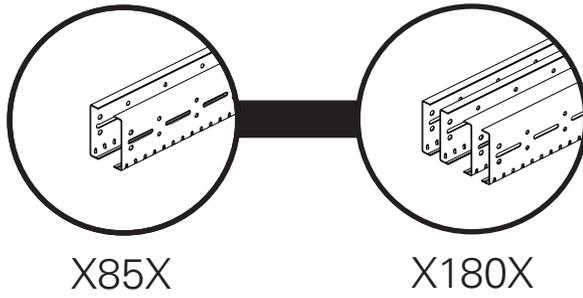


4.16 Seitenübertragung, XBCPX 85/180 _

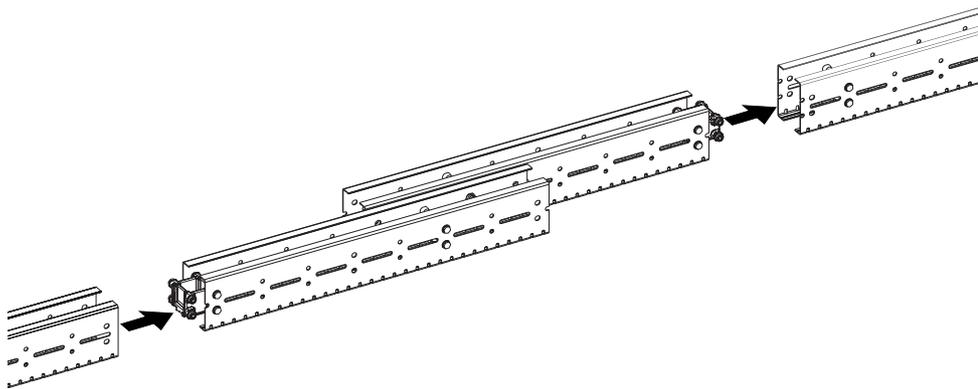


8 mm
13 mm
17 mm

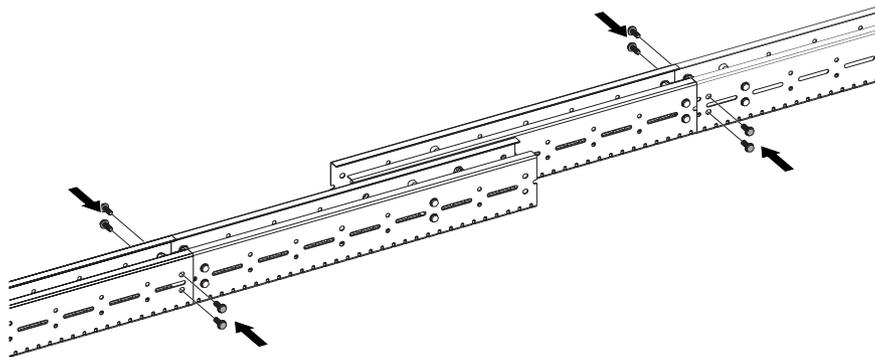




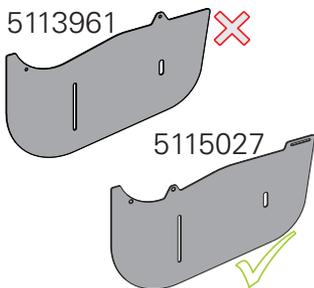
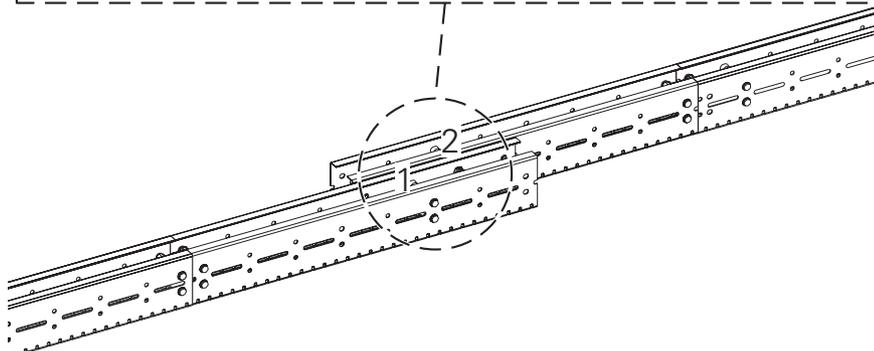
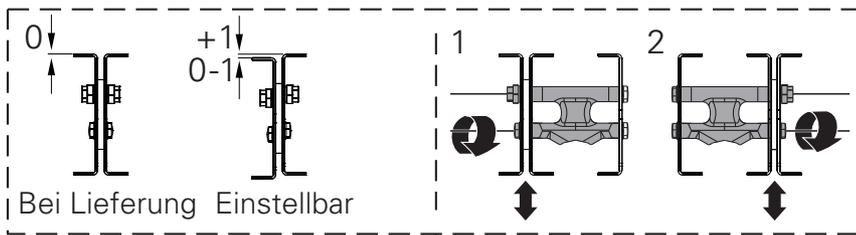
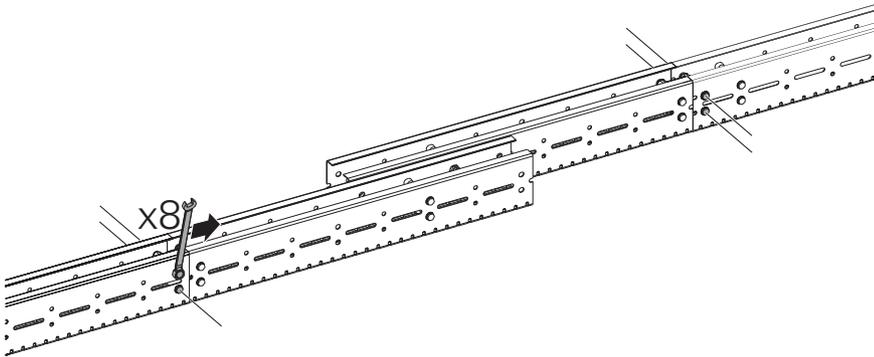
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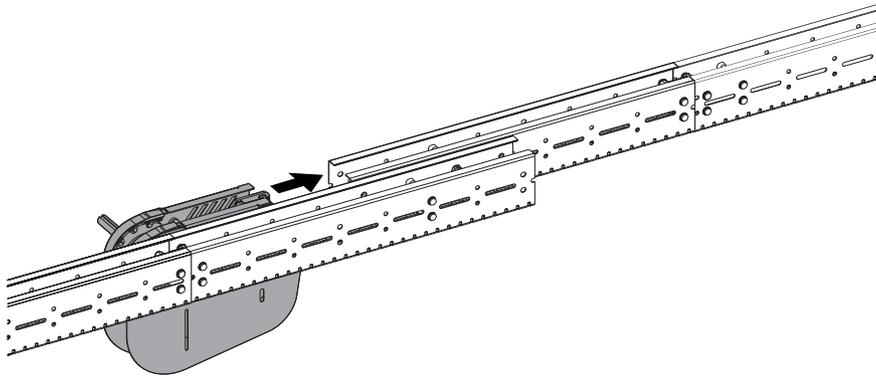
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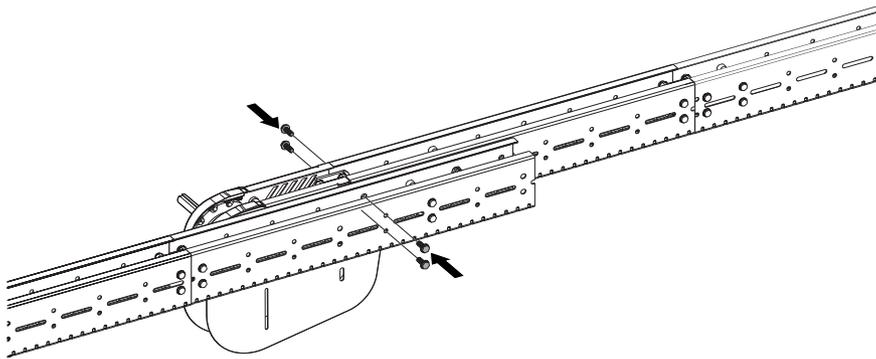
4.17



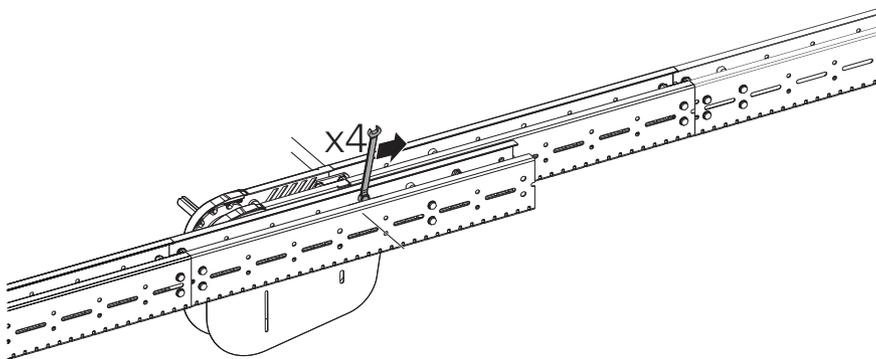
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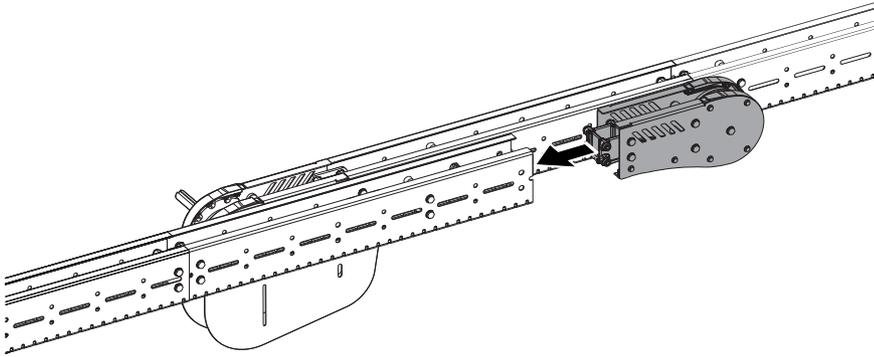
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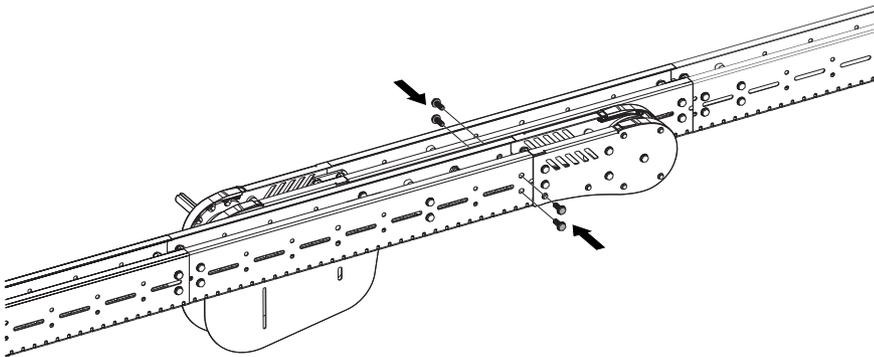
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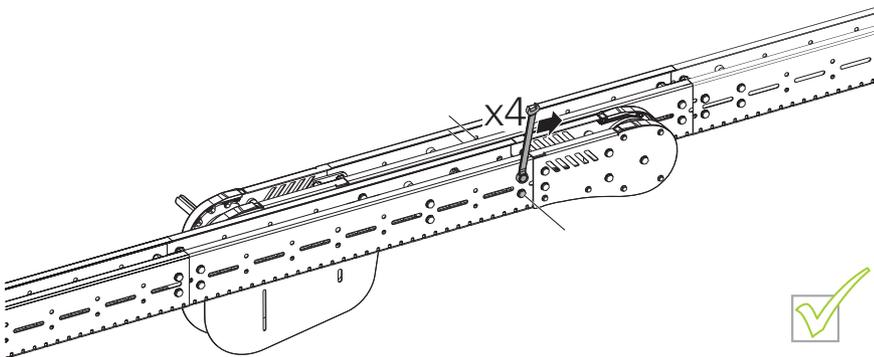
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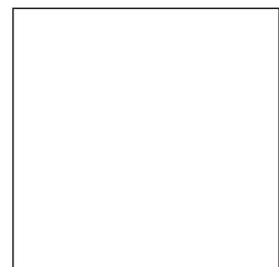
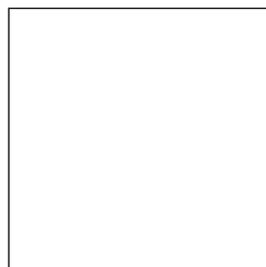
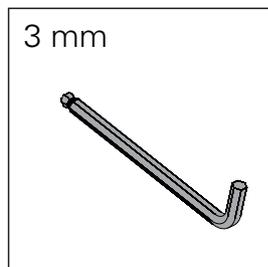
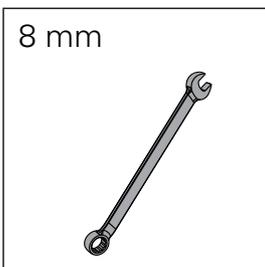
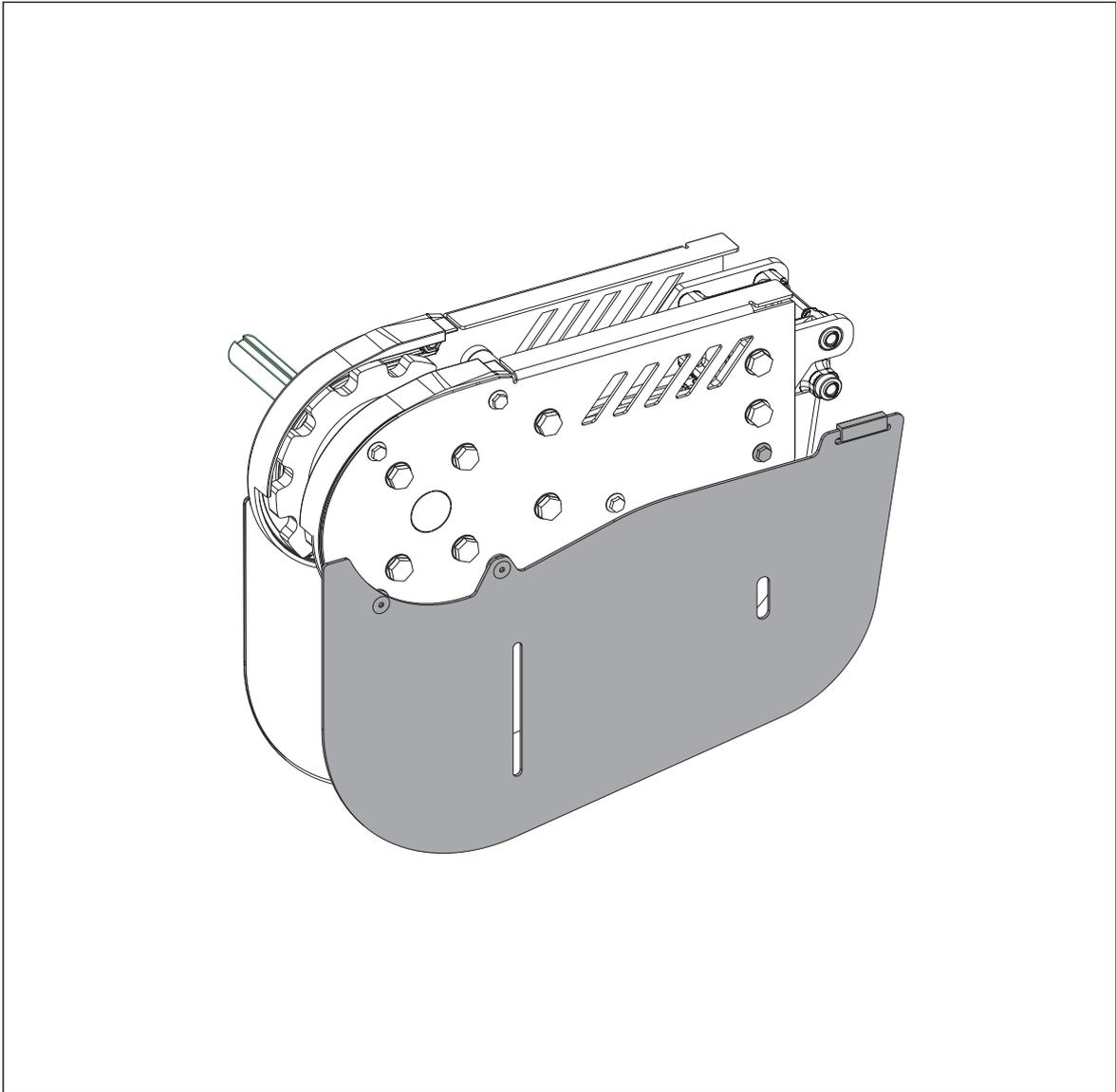
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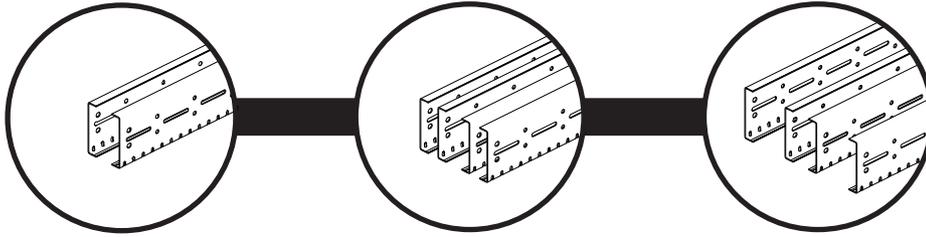


9



4.17 Schlupfschutzsatz, 5115027



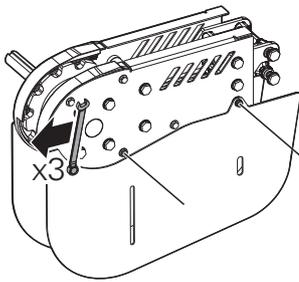


X85X

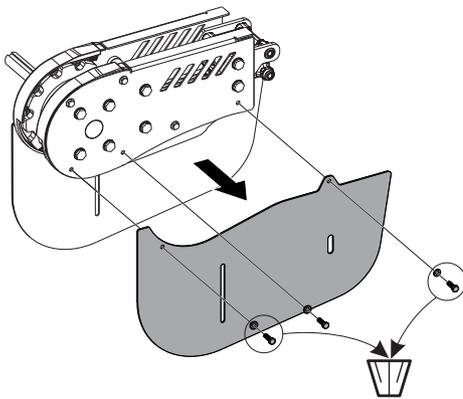
X180X

X300X

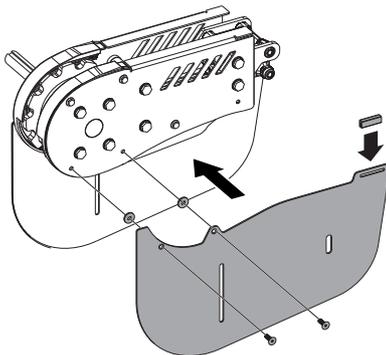
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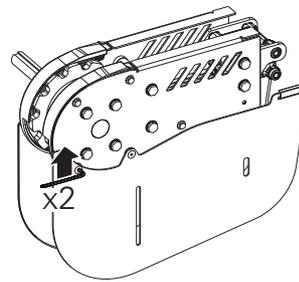
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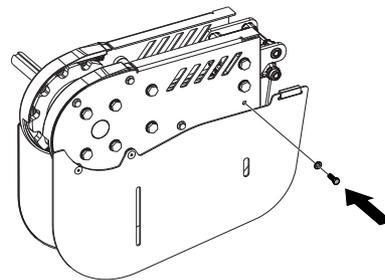
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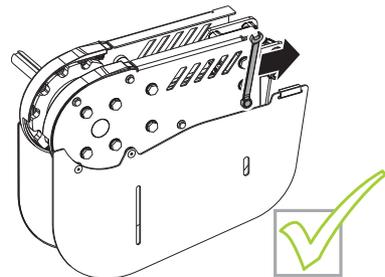
4



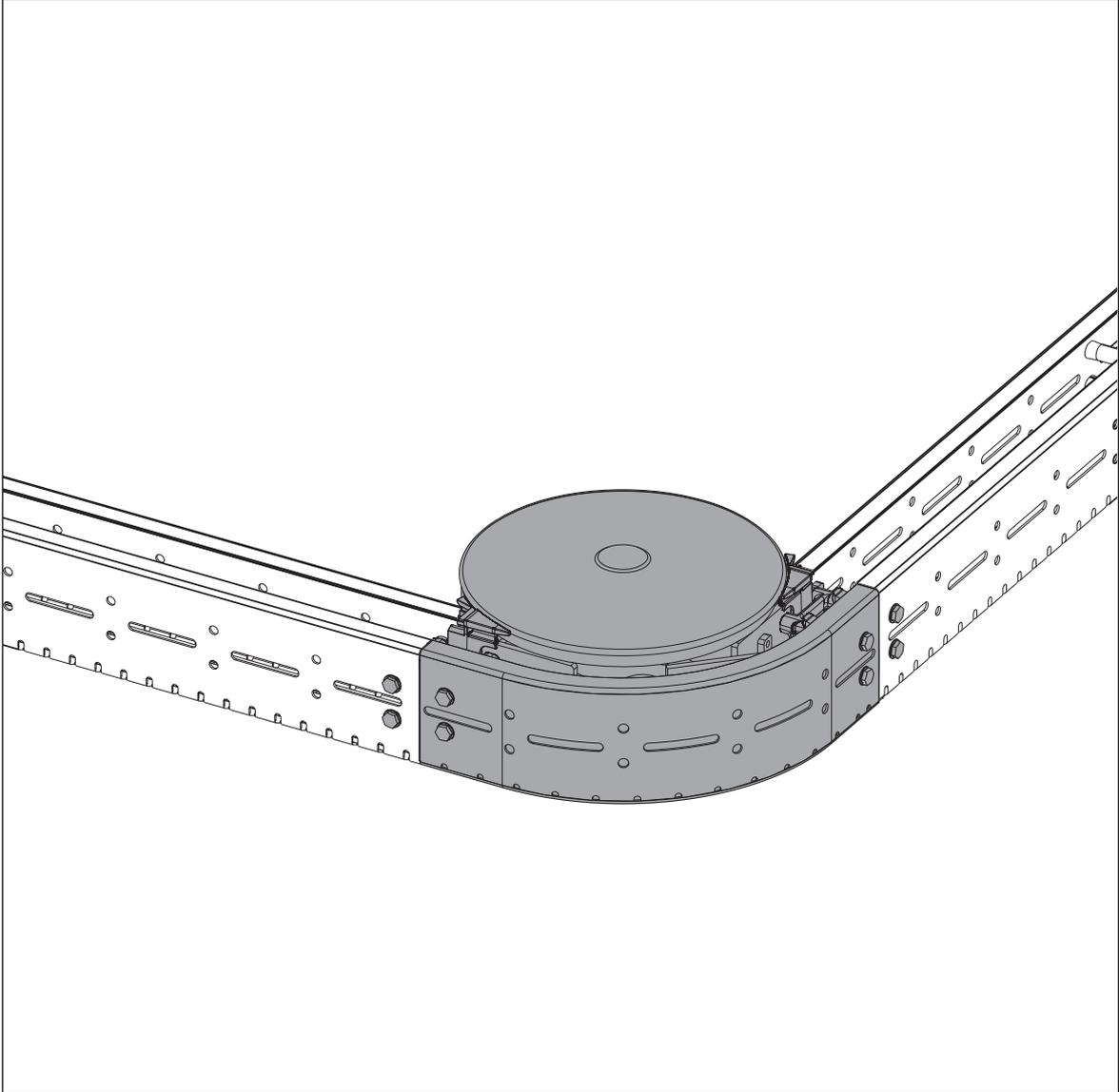
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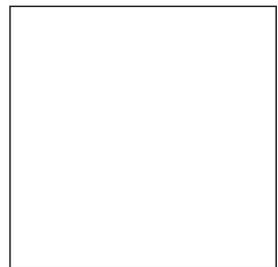
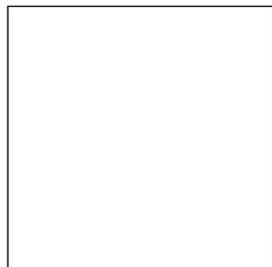
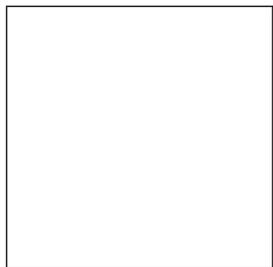
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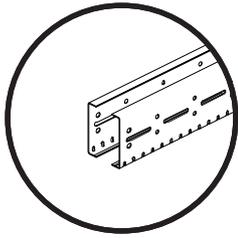


4.18 Bogenrad, XBBHX A85



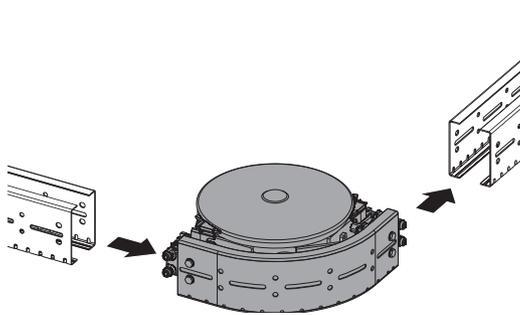
13 mm



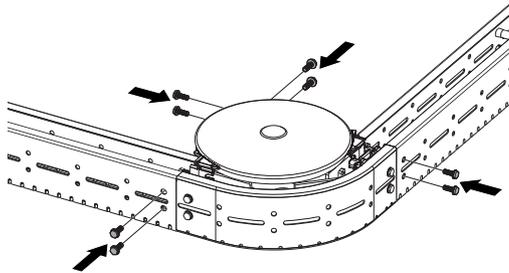


X85X

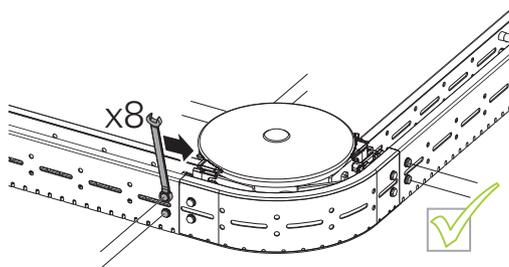
1



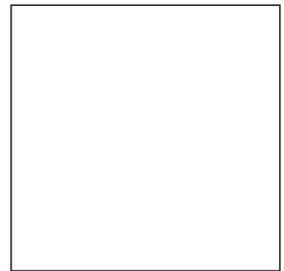
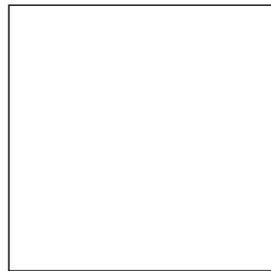
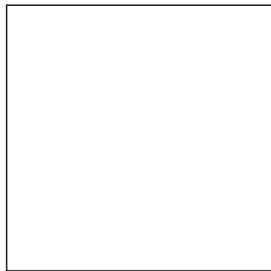
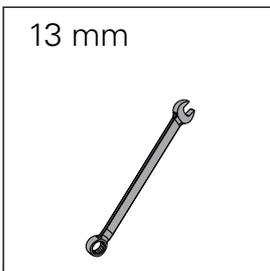
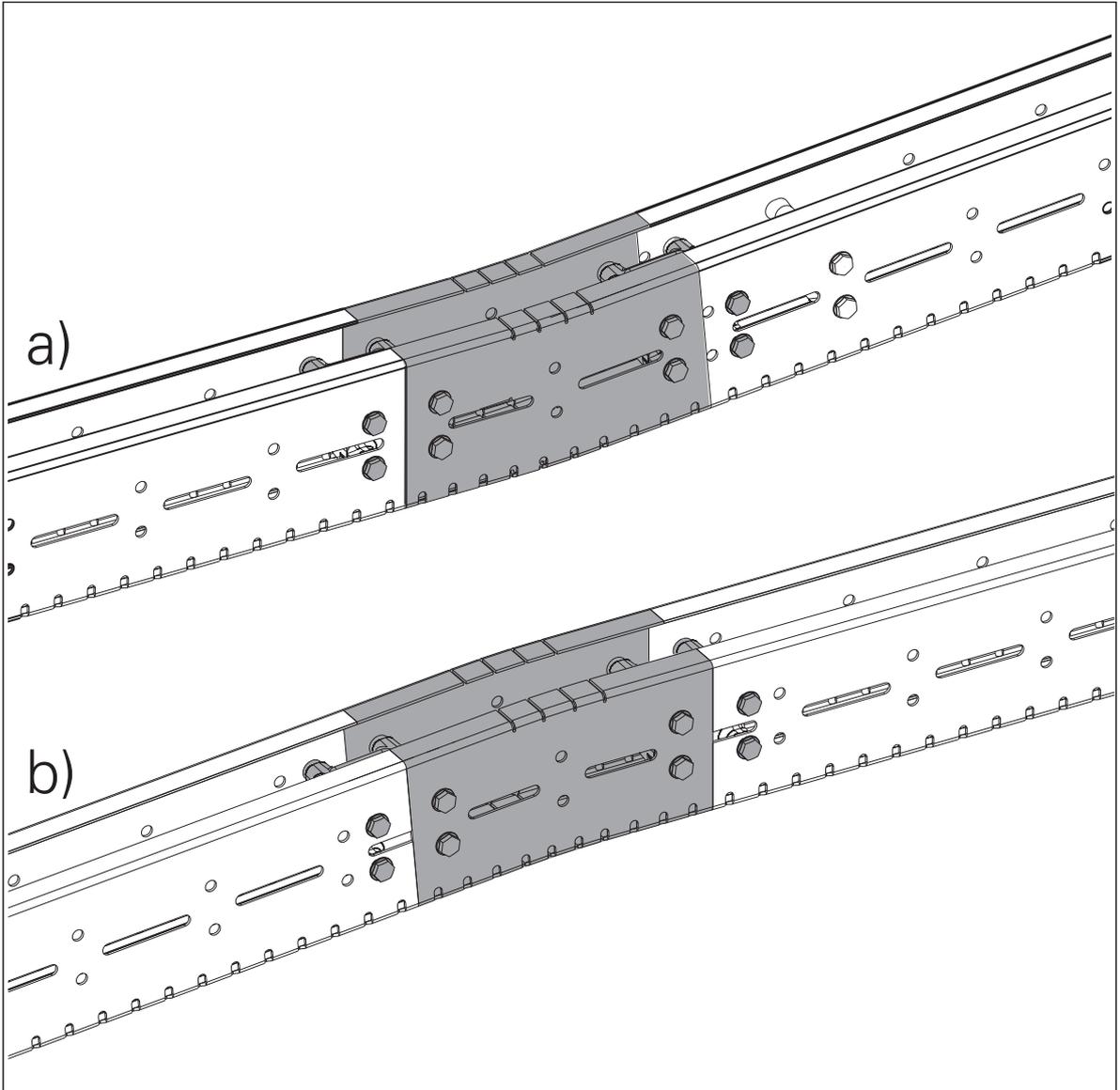
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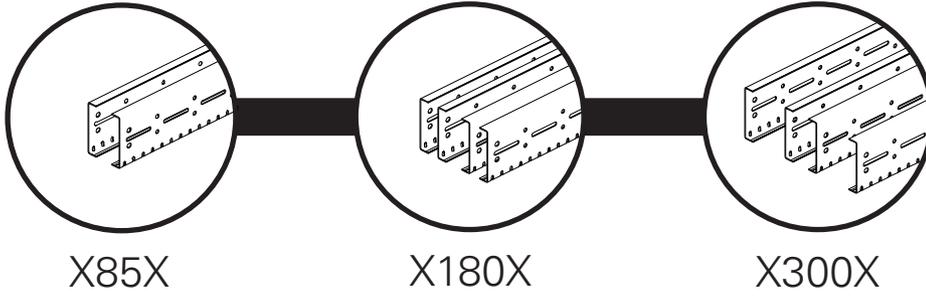


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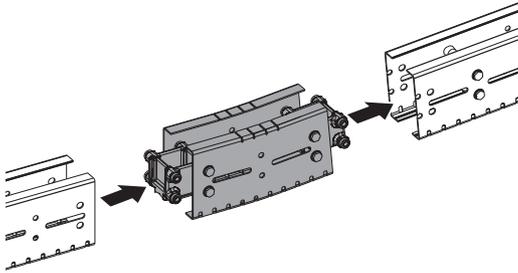


4.19 Vertikaler Gleitbogen, XBBVX A85/180/300

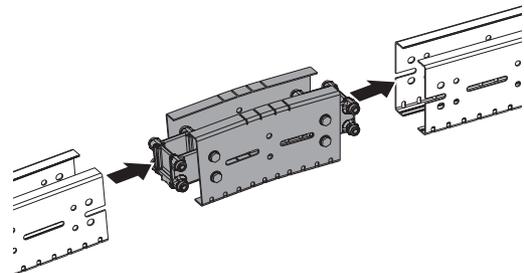




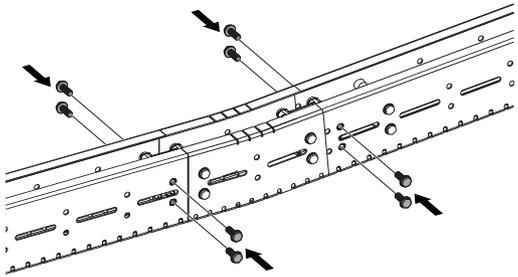
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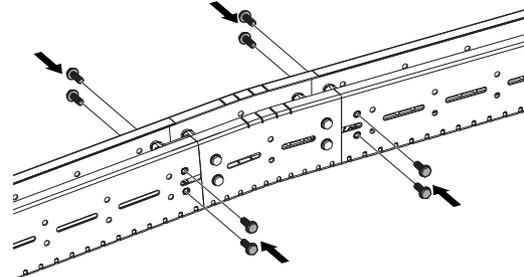
1b



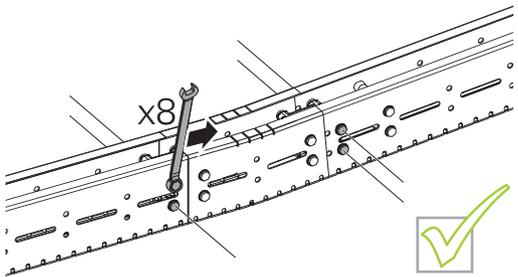
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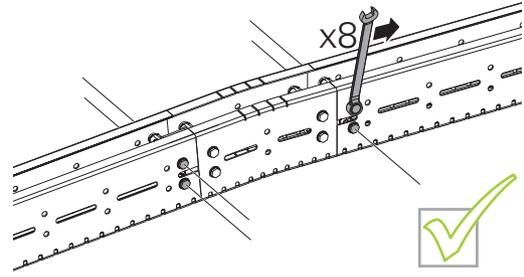
2b



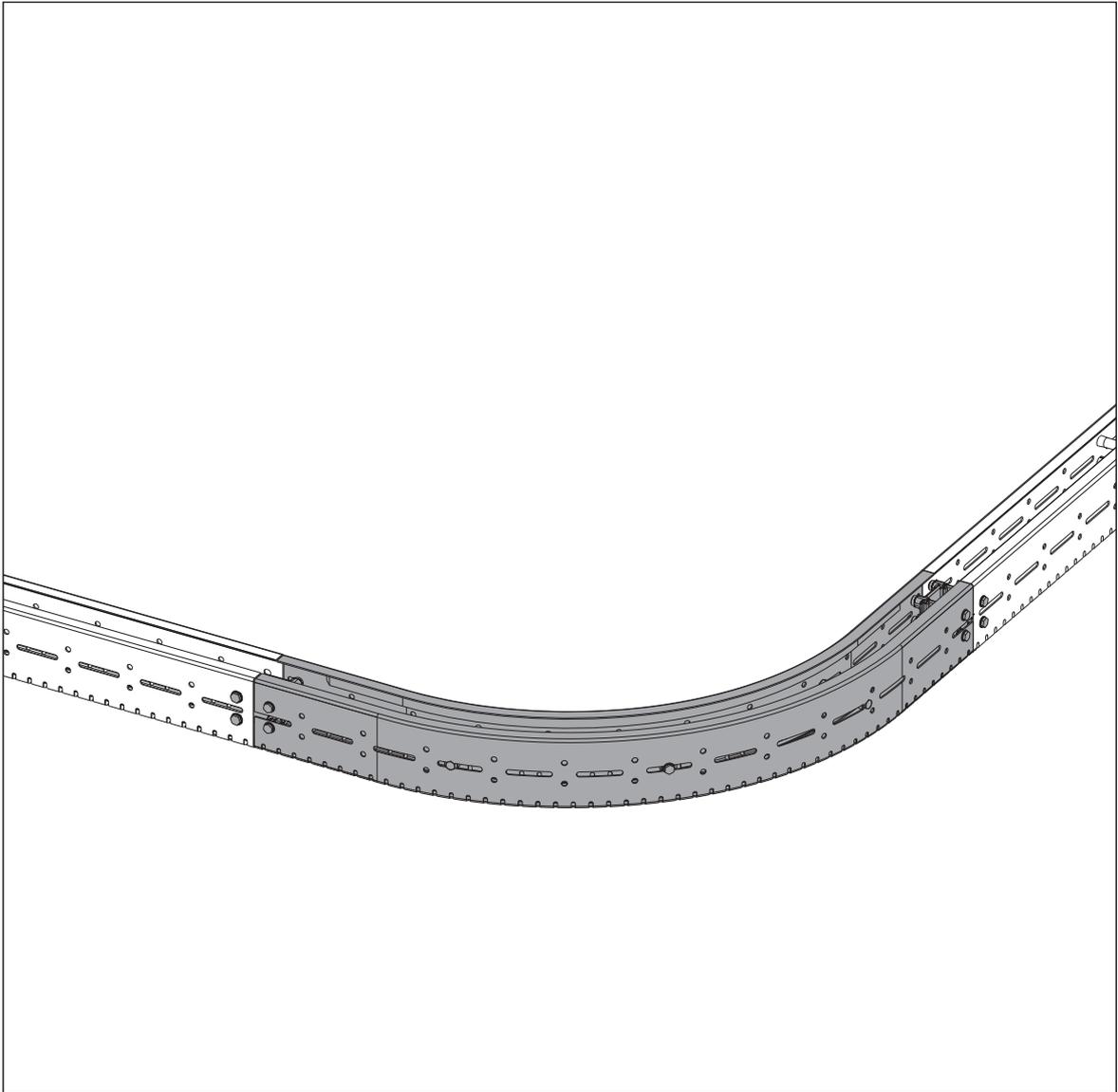
3a



3b

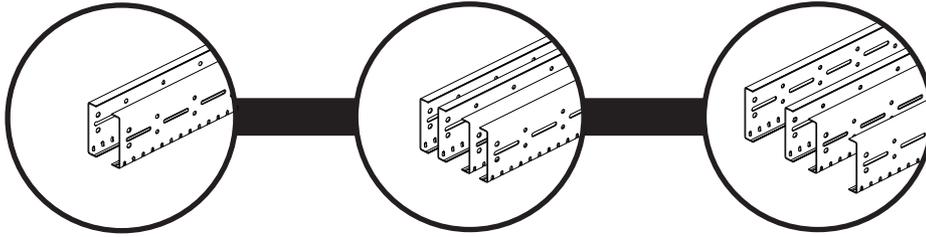


4.20 Gleitbogen, XBBPX A85/180/300



13 mm



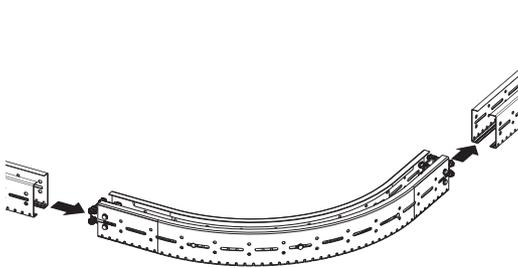


X85X

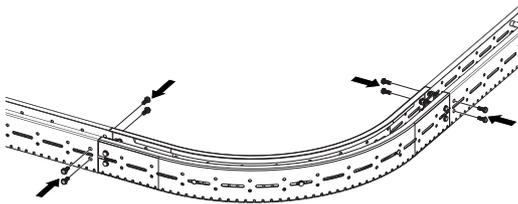
X180X

X300X

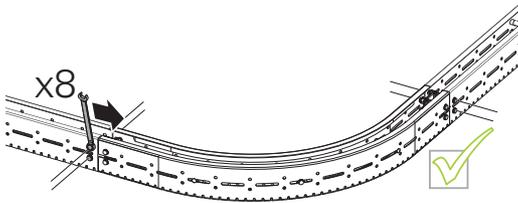
1



2



3



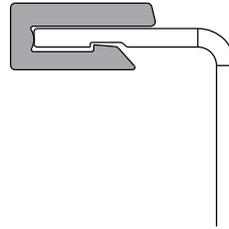


5 Montage der Gleitschiene

5.1 Installation der Gleitschiene

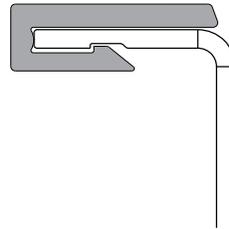
Gleitschienen stehen in zwei Profilvarianten zur Verfügung:

1. Schmal

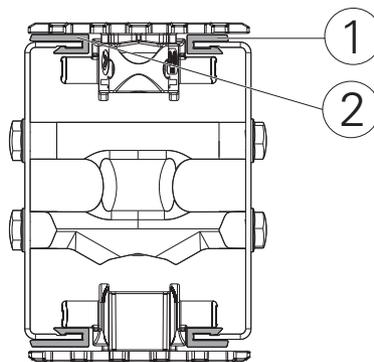


2. Breit

Für Biegungen nicht
geeignet



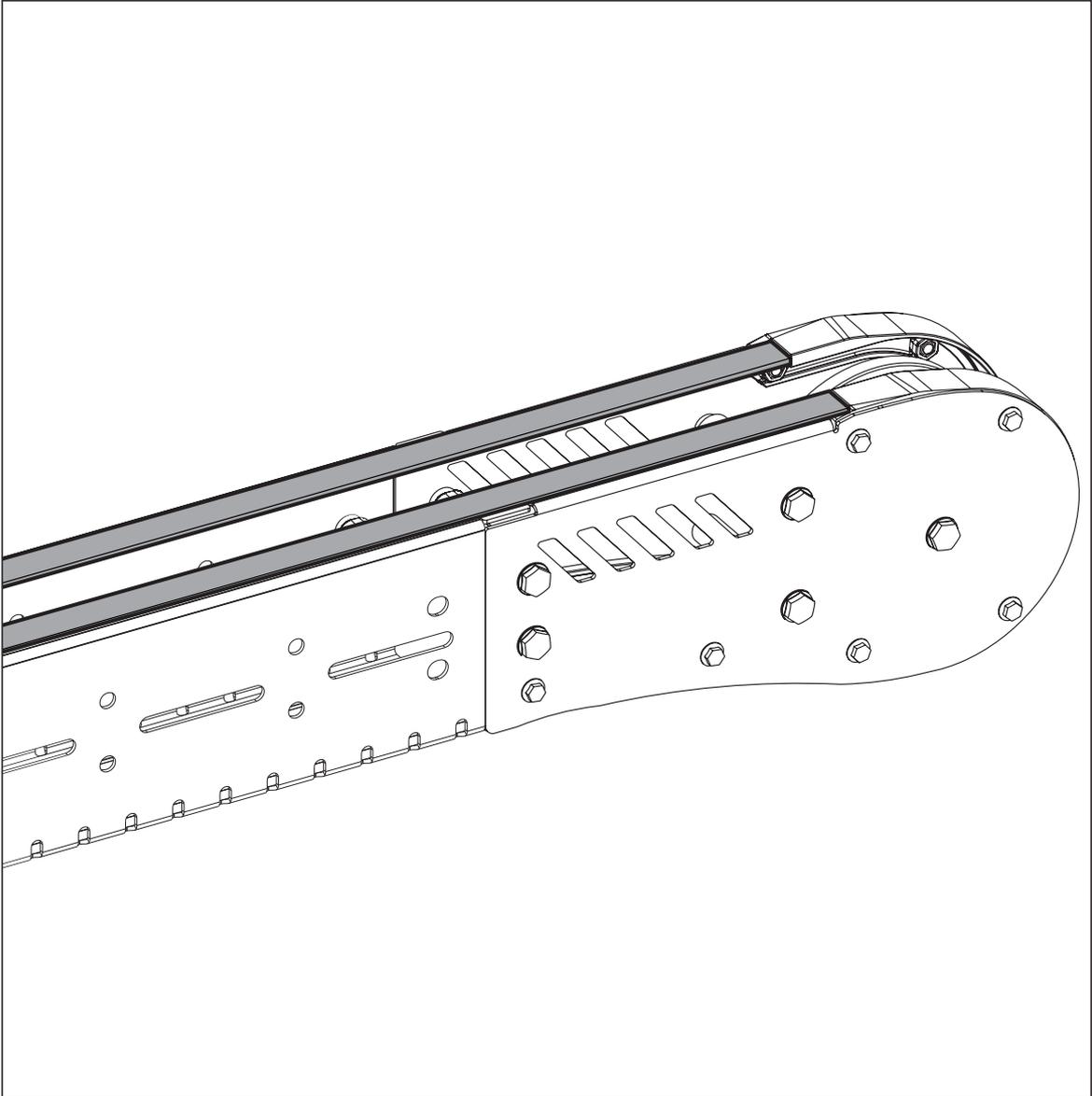
Die Führungen werden wie unten dargestellt verwendet:



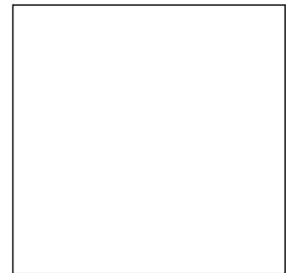
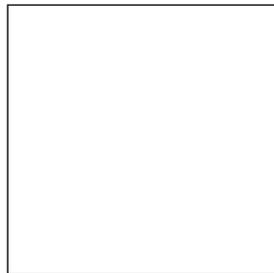
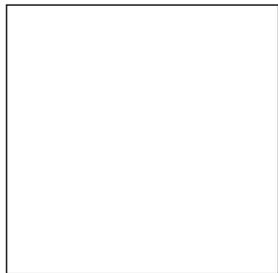
Hinweis: Es ist ratsam, das Spleißen möglichst zu vermeiden.

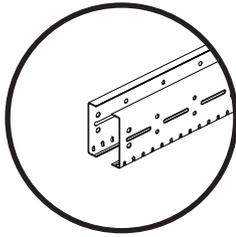
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5.2 Installation der Gleitschienen

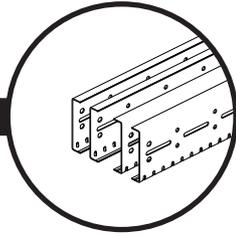


Montagewerkzeug

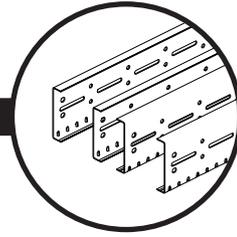




X85X

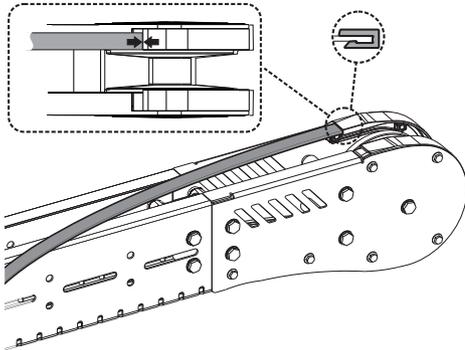


X180X

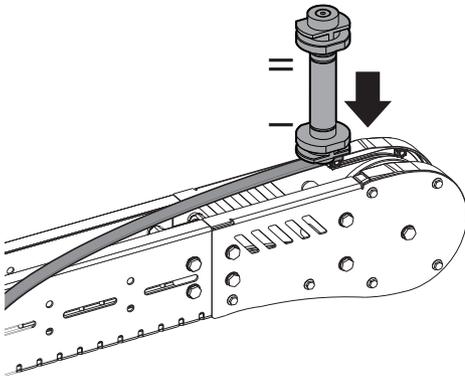


X300X

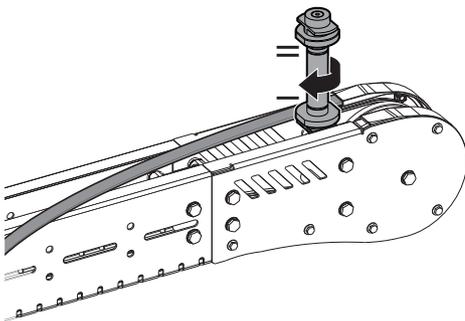
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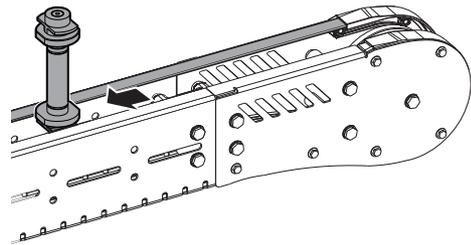
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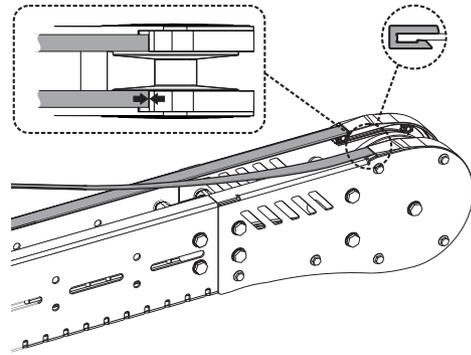
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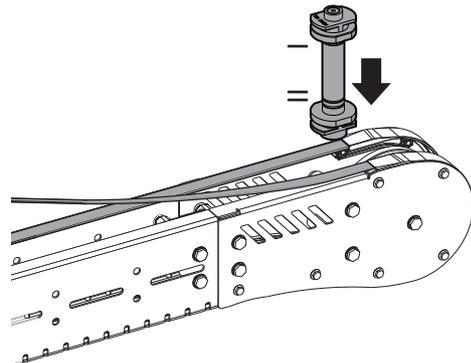
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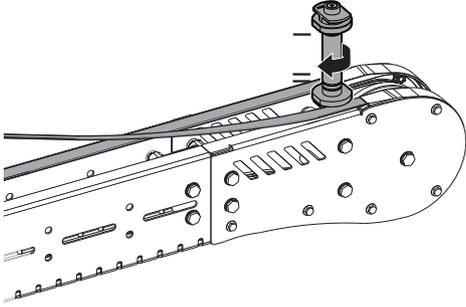
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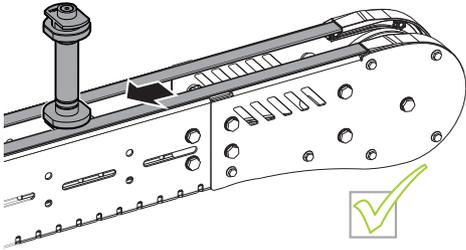
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7

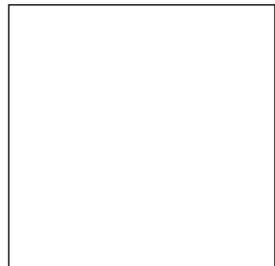
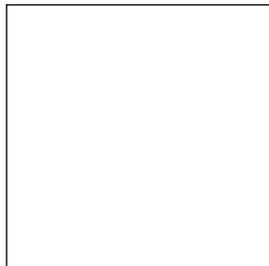
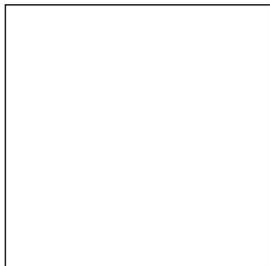
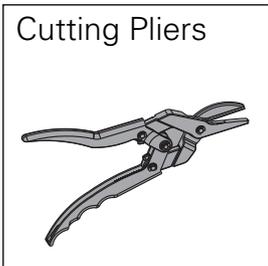
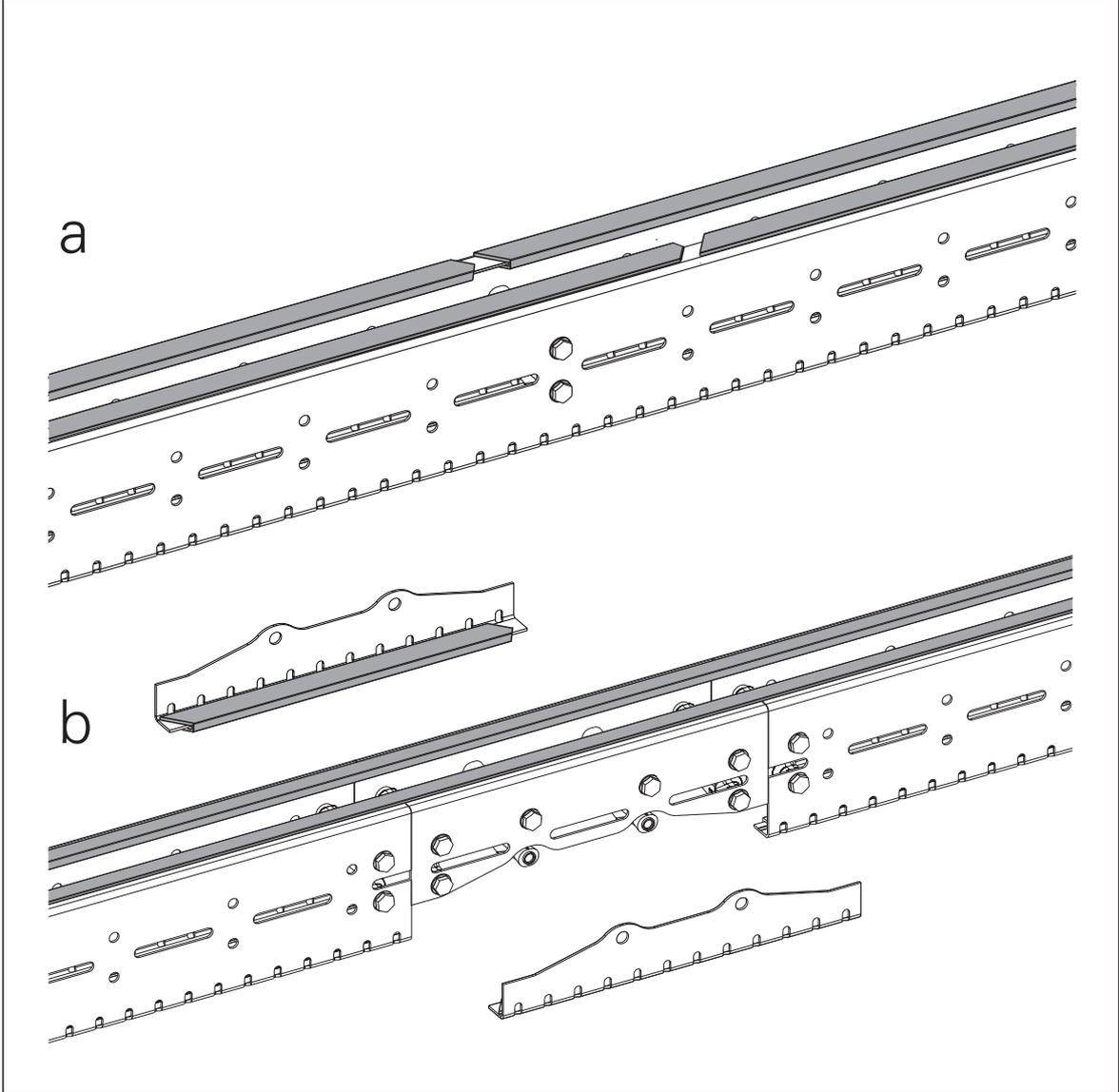


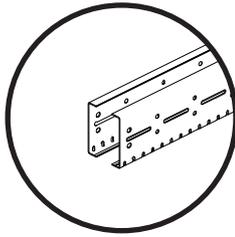
8



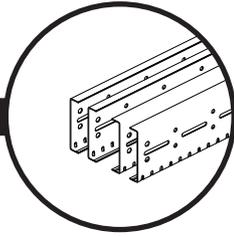
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5.3 Verbinden der Gleitschienen

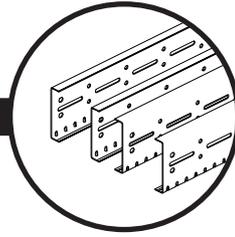




X85X

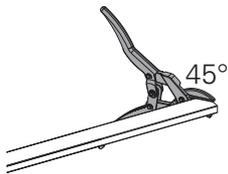


X180X

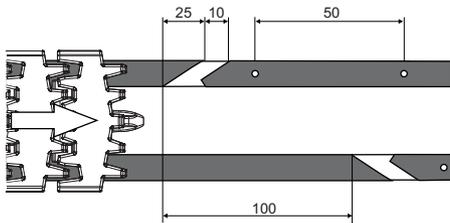
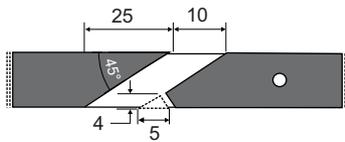
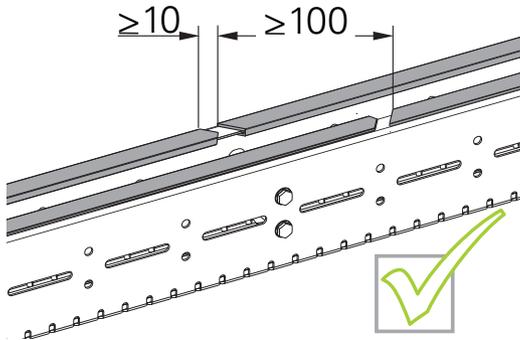


X300X

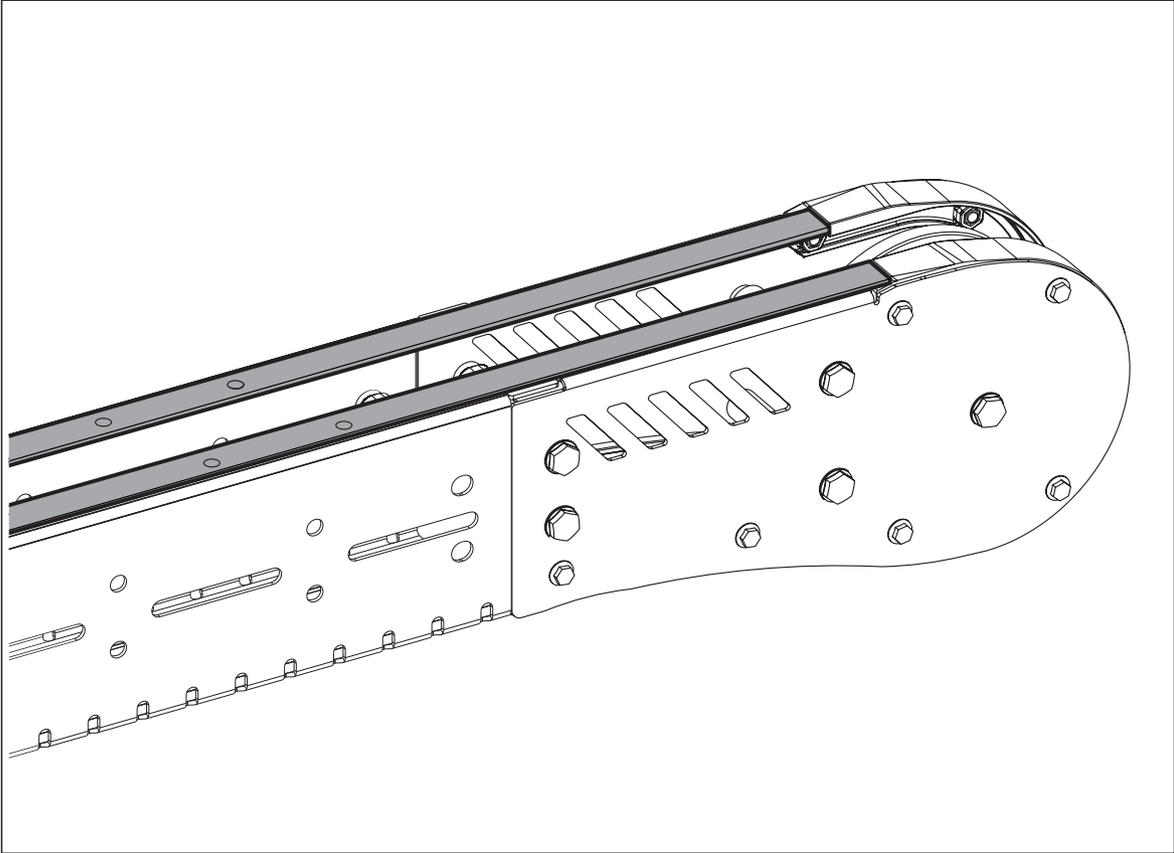
1



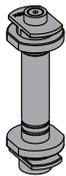
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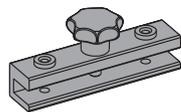
5.4 Fixieren von Gleitschienen



Montagewerkzeug

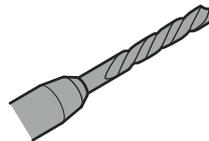


Bohrvorrichtung

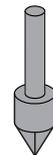


3920500

4,2 mm



Senker 4,2 mm



Edelstahl-Nieten

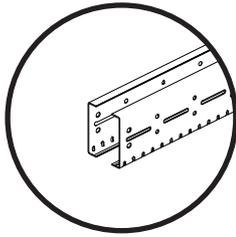


XLHX 4x7

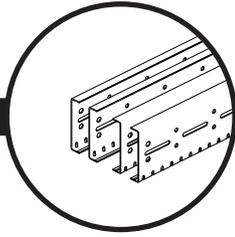
Nietzwinge



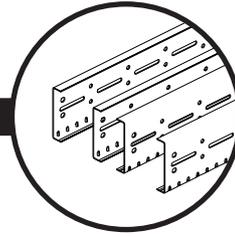
3923005



X85X

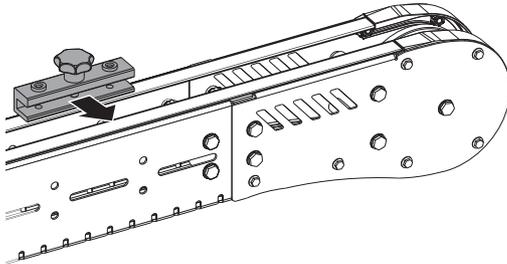


X180X

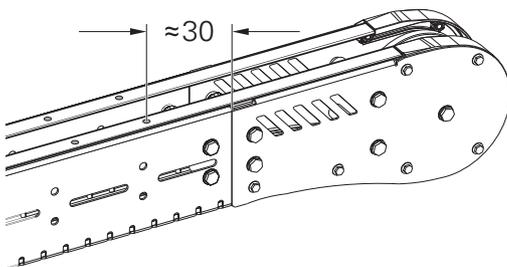
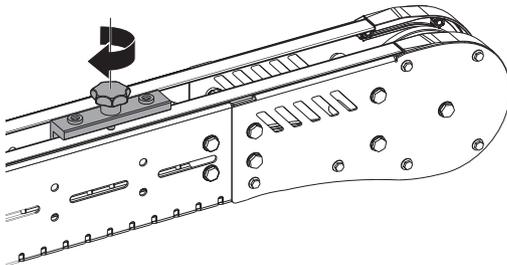


X300X

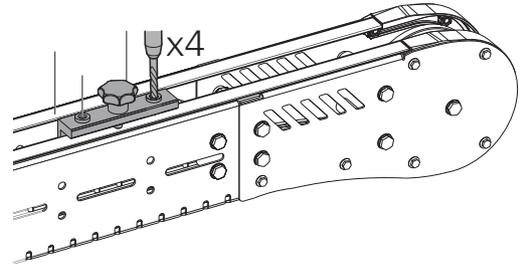
1



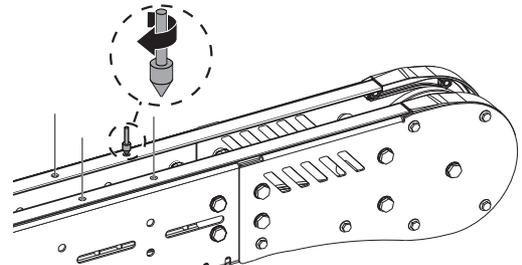
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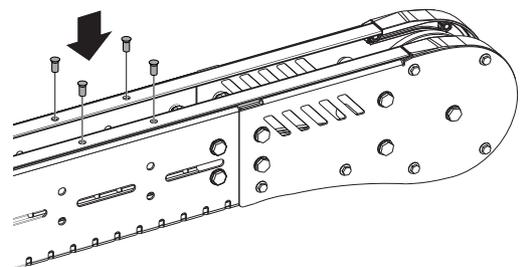
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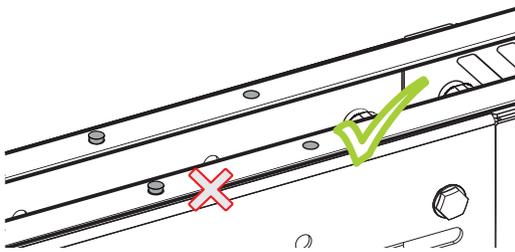
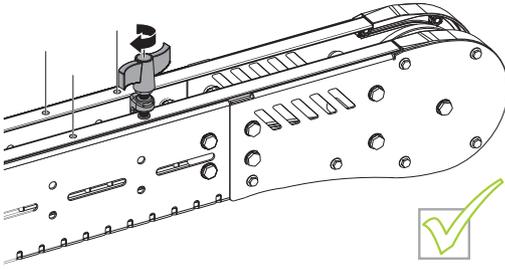
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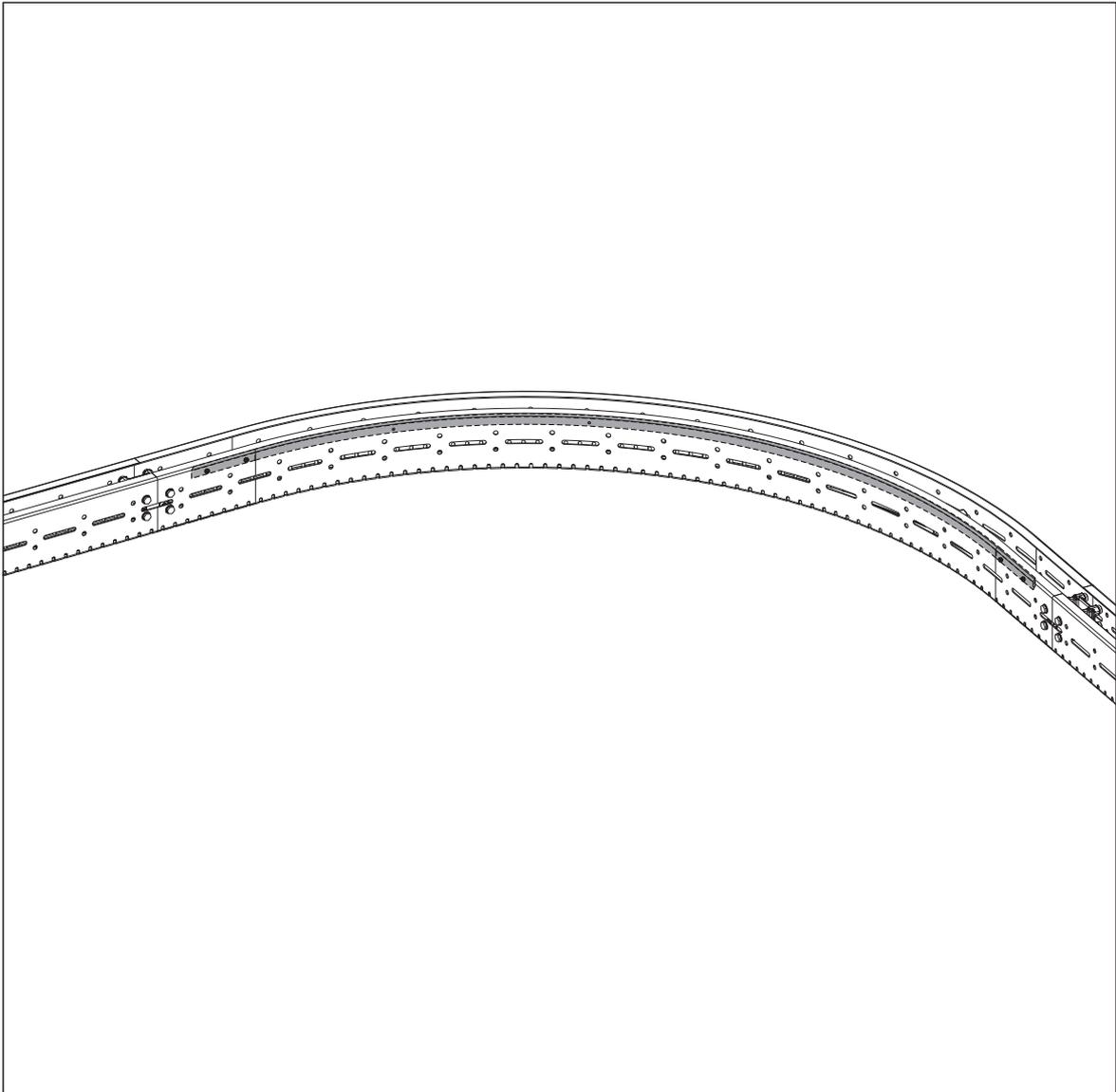
5



6



5.5 Austausch der Stützschiene für Gleitbögen, 5048598

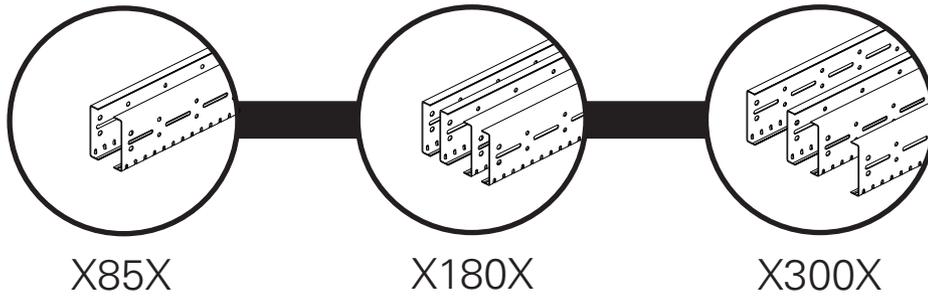


13 mm

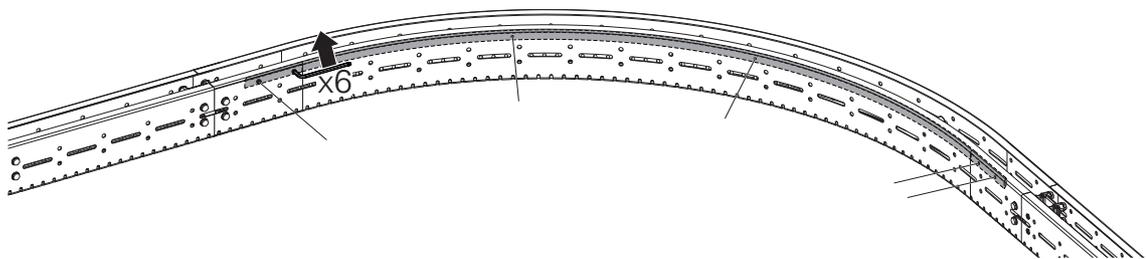


3 mm
4 mm

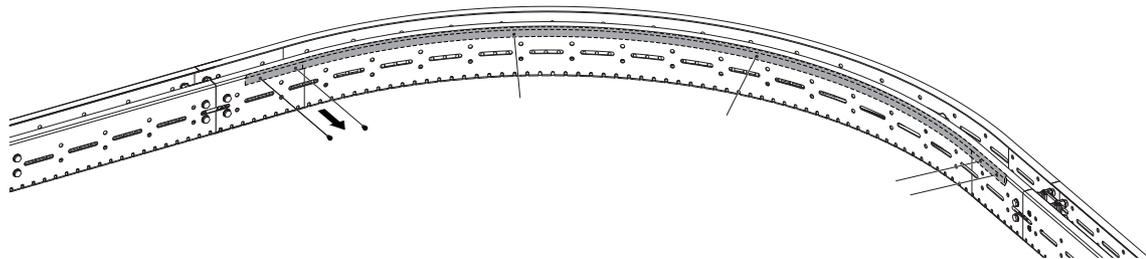




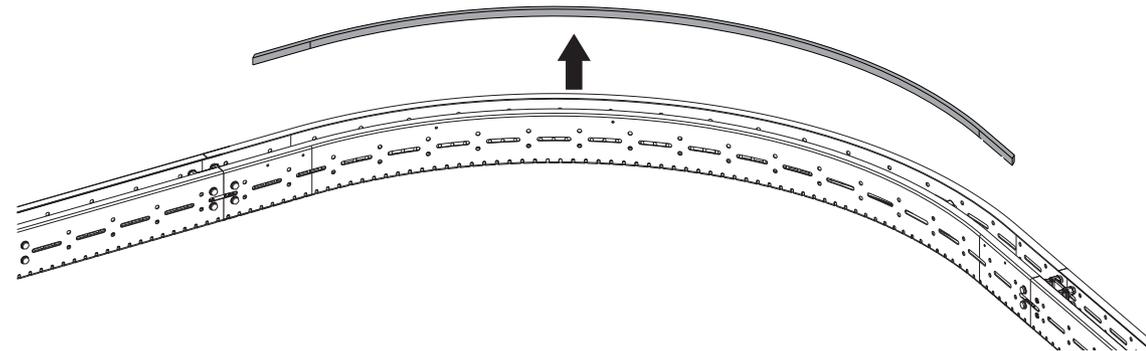
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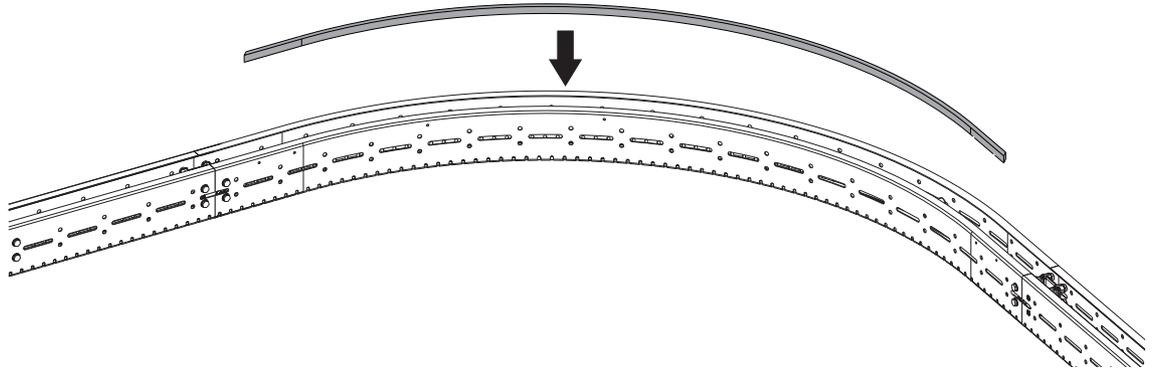
2



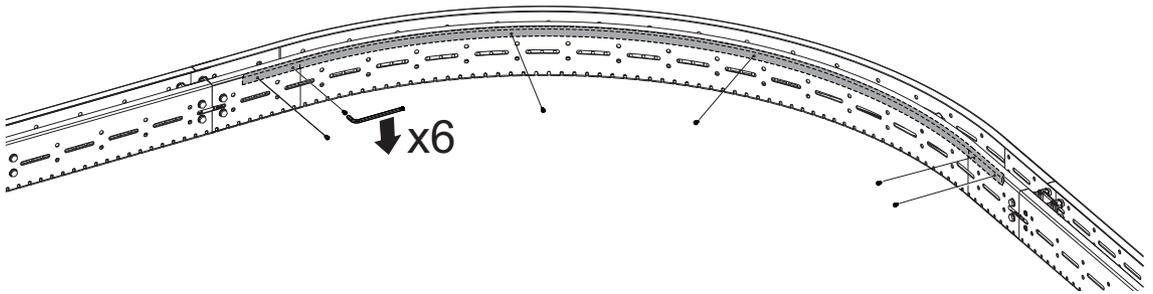
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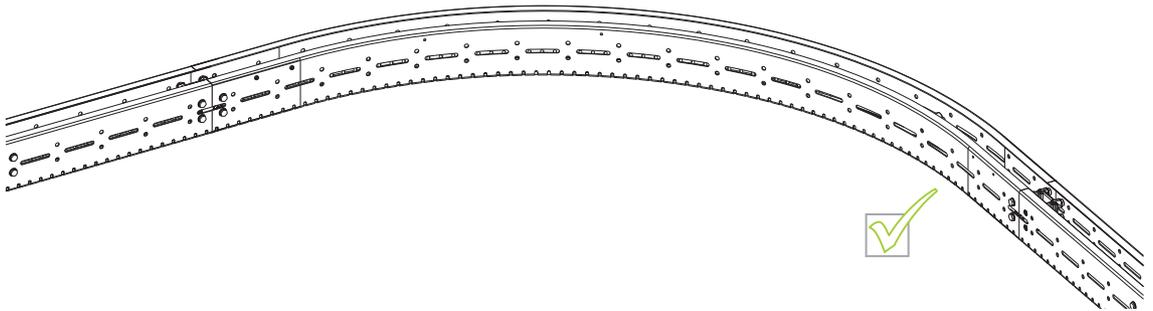
4



5



6

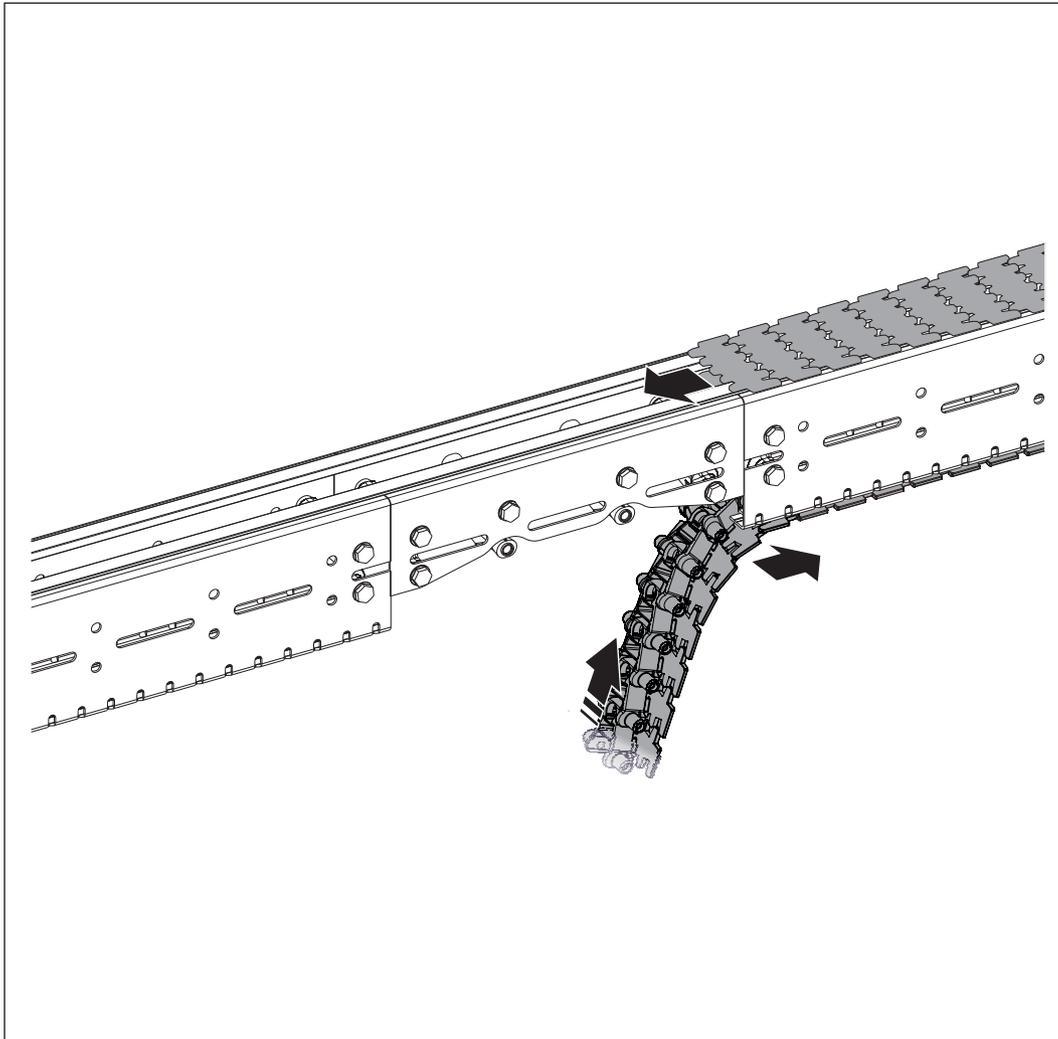


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6 Montage der Förderkette

6.1 Montage der Förderkette unter Verwendung eines Führungsprofilabschnitts



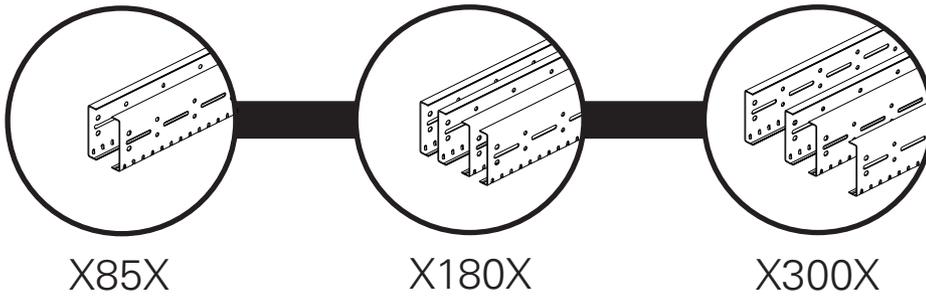
13 mm



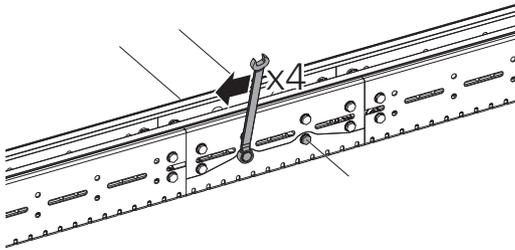
Kettenmonta-
gewerkzeug



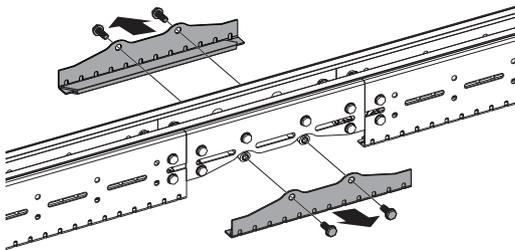
XBMJ 6P



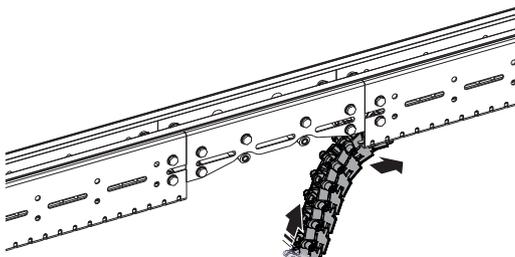
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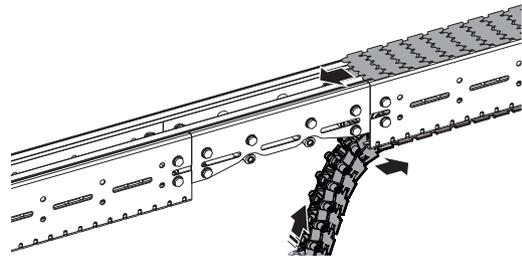
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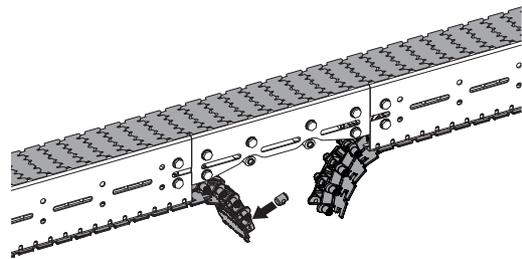
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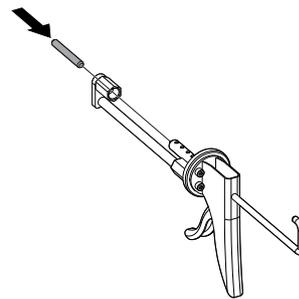
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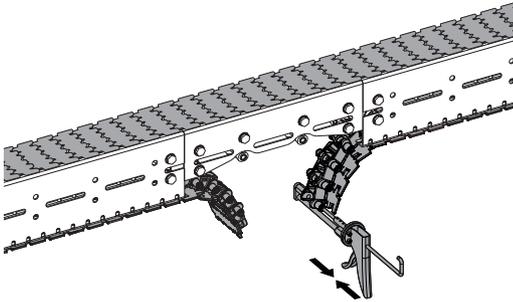
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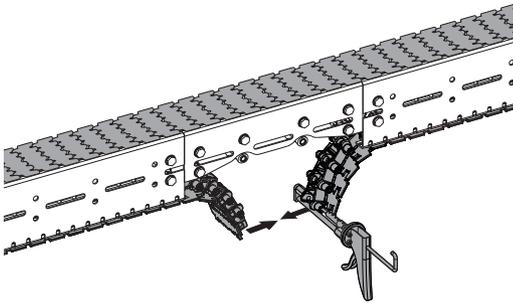
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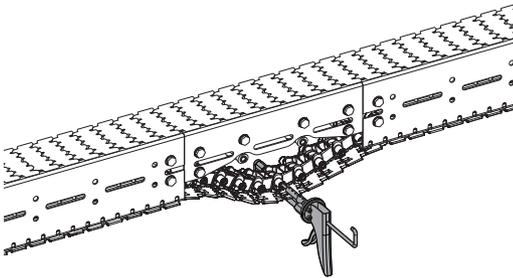
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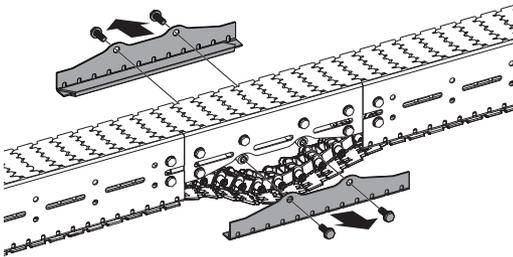
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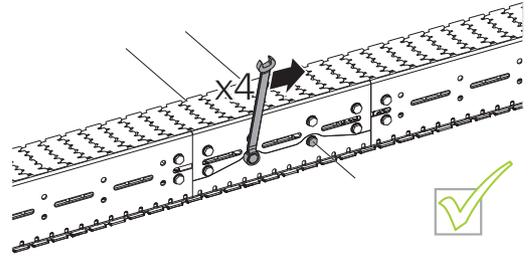
9



10

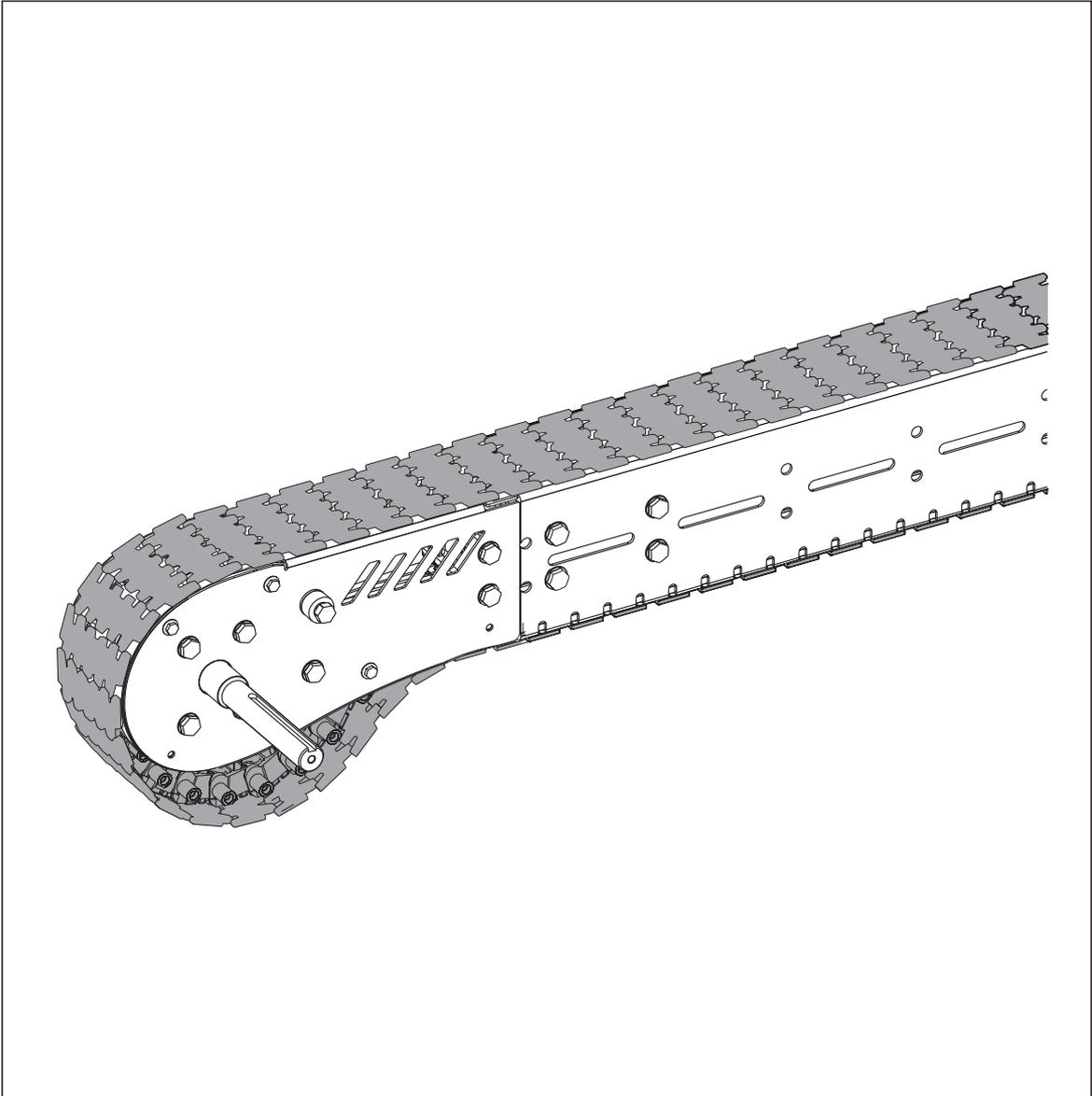


11



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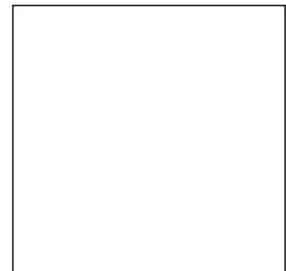
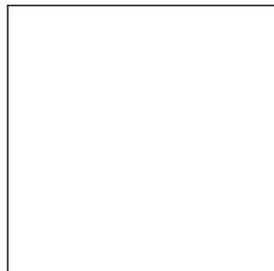
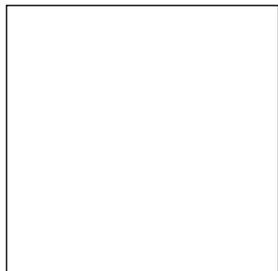
6.2 Montage der Kette auf der Endtriebseinheit

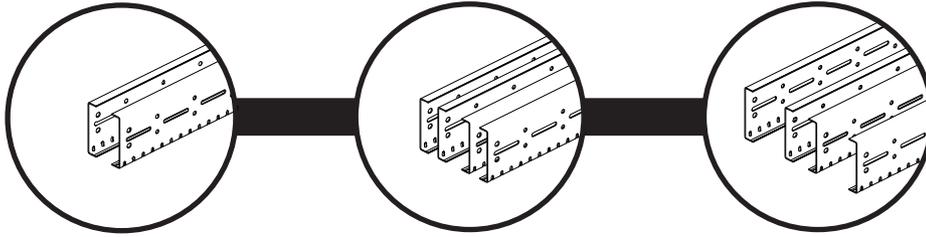


Kettenmontagewerkzeug



XBMJ 6P



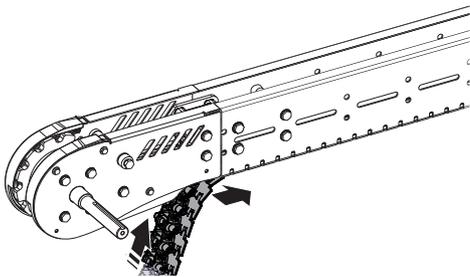


X85X

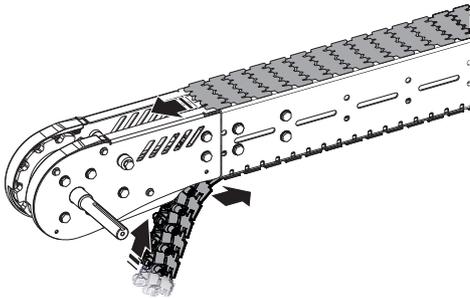
X180X

X300X

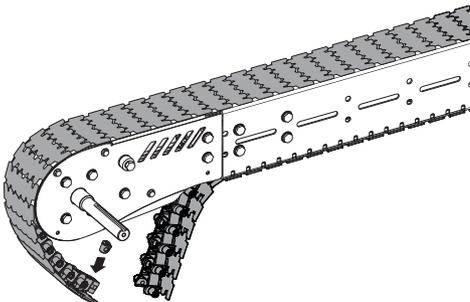
1



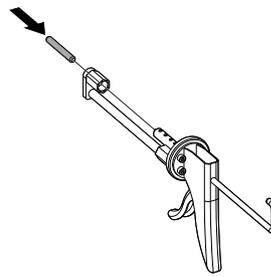
2



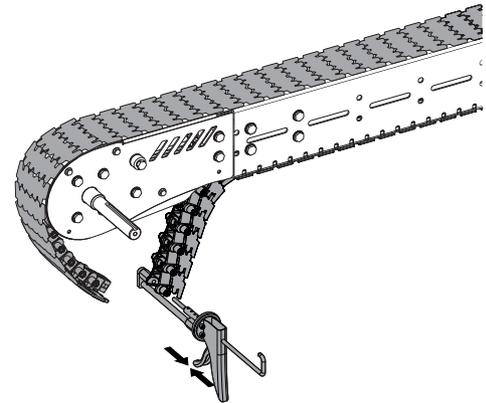
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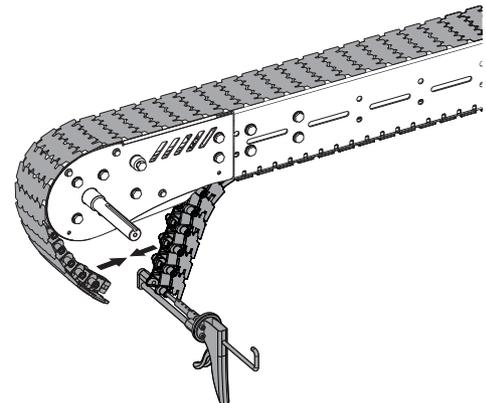
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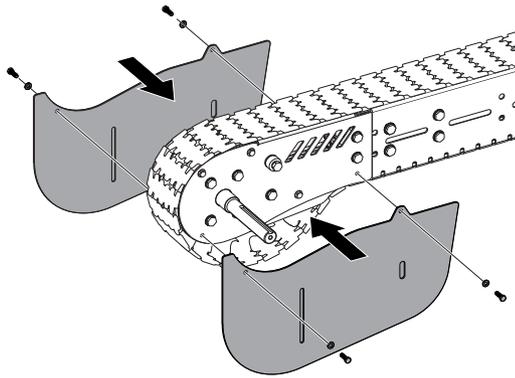
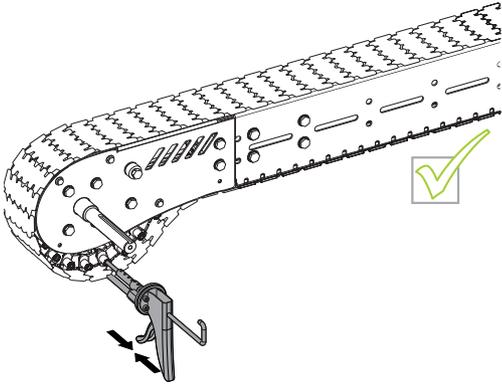
5



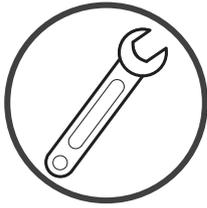
6



7



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7 Montage des Seitenführungsprofils

7.1 Montage der Seitenführungsprofile

Die Seitenführungsprofile werden von den seitlich am Führungsprofil angebrachten Seitenführungshaltern gestützt.

Die Halter sollten je nach Art des Seitenführungsprofils, Produkttyps und dem Vorhandensein von Anstauungen ungefähr 300 bis 1.500 mm voneinander entfernt angebracht werden. Wenn der Abstand zwischen den Haltern größer als 1.500 mm ist, besteht die Möglichkeit, dass sich die Seitenführungsprofile durch übermäßige Krafteinwirkung verformen.

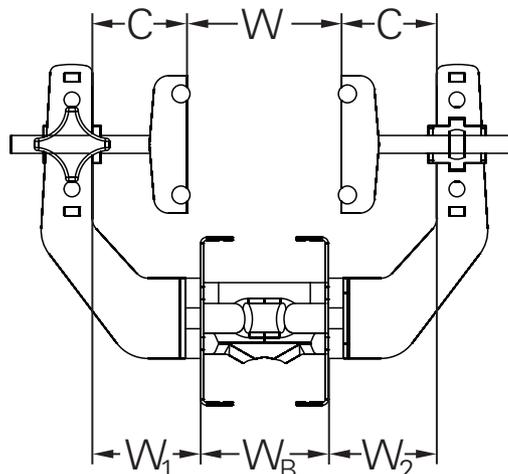
7.1.1 Abstand zwischen Seitenführungshaltern

Der Abstand zwischen den Seitenführungshaltern hängt von den zu erwartenden Seitenkräften, der Art des Seitenführungsprofils und dem Material ab. Bei Speicherförderern mit seitlichen Kräften ist im Vergleich zu Anwendungen ohne Speicher ein kürzerer Abstand zwischen den Haltern erforderlich. Der Abstand sollte zwischen 300 und 1.500 mm betragen.

7.1.2 Effektive Spurbreite

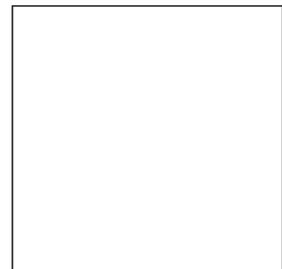
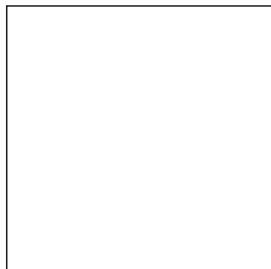
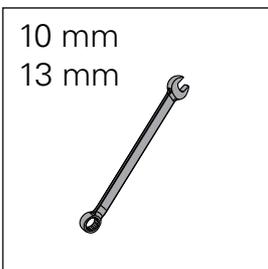
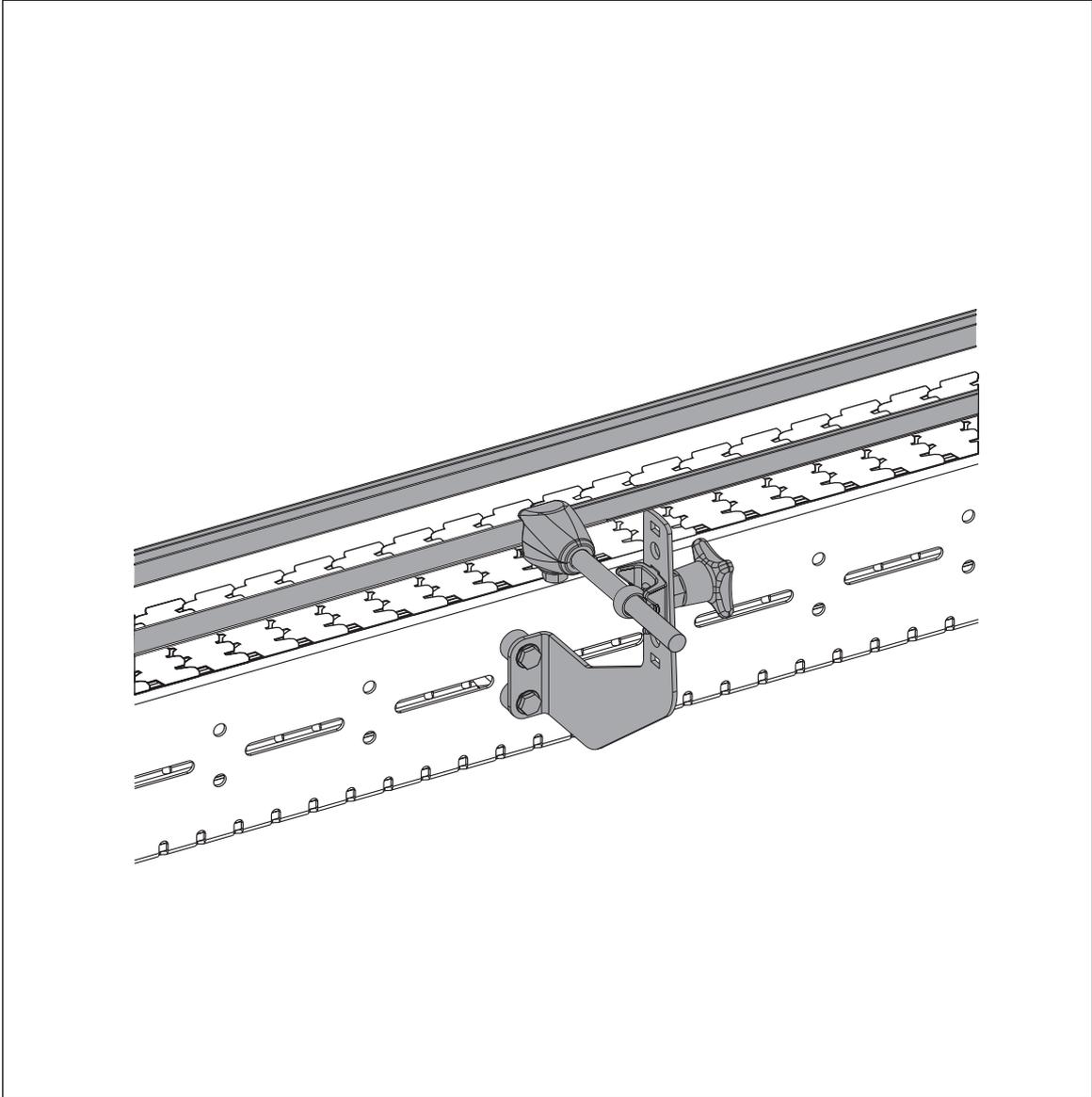
Die effektive Spurbreite wird wie in der folgenden Abbildung berechnet.

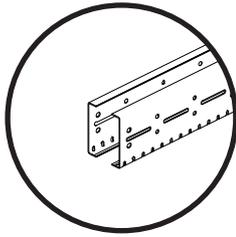
$$W = WB + W1 + W2 - 2C$$



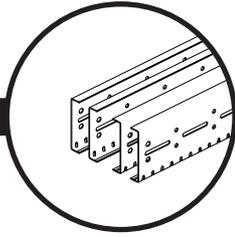
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7.2 Montage des Seitenführungshalters, breit

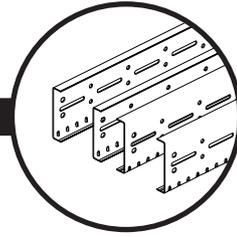




X85X

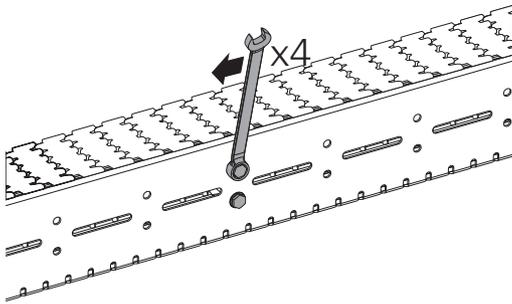


X180X

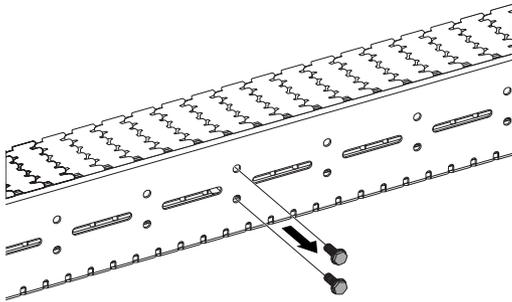


X300X

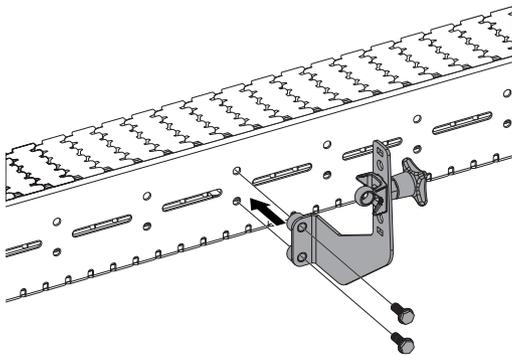
1



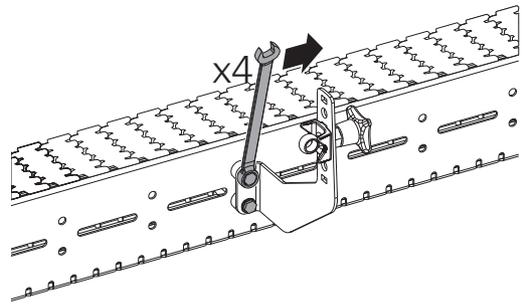
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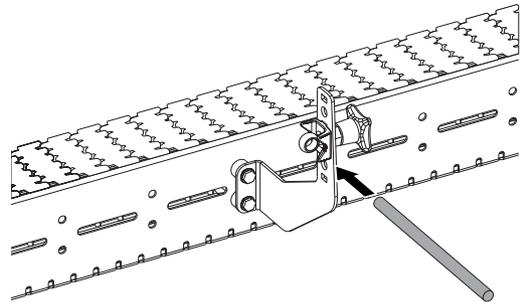
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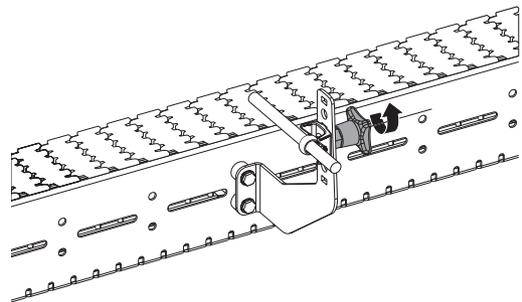
4



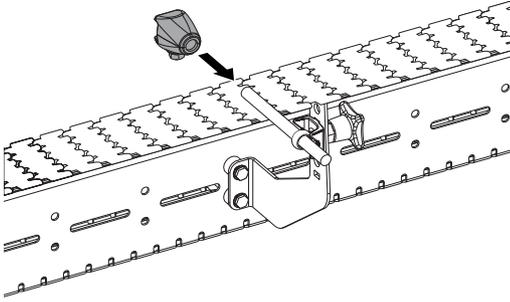
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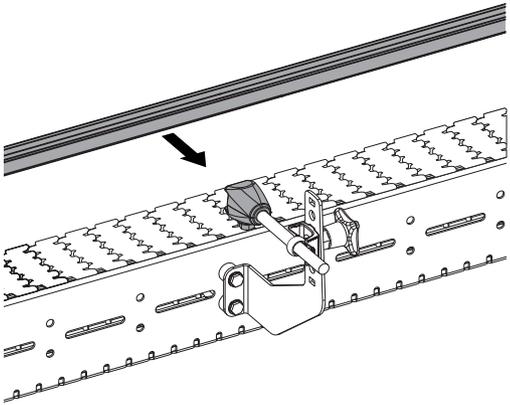
6



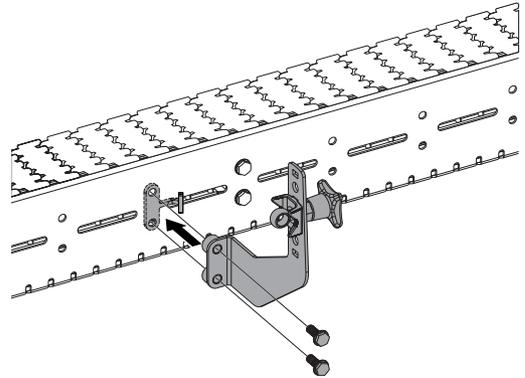
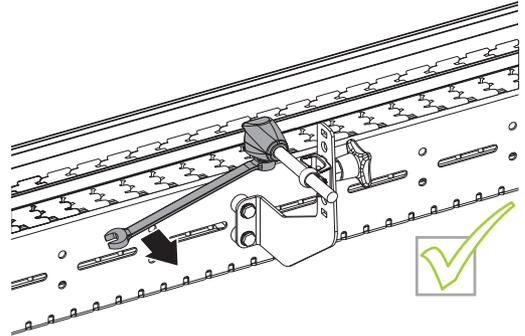
7



8

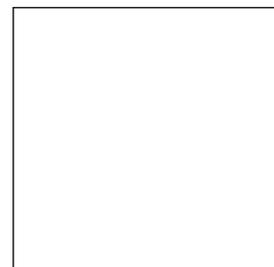
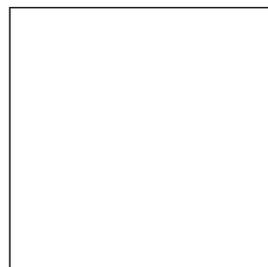
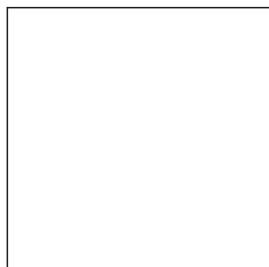
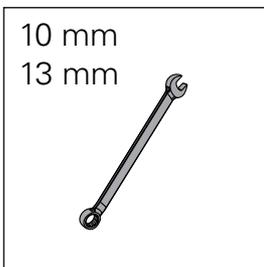
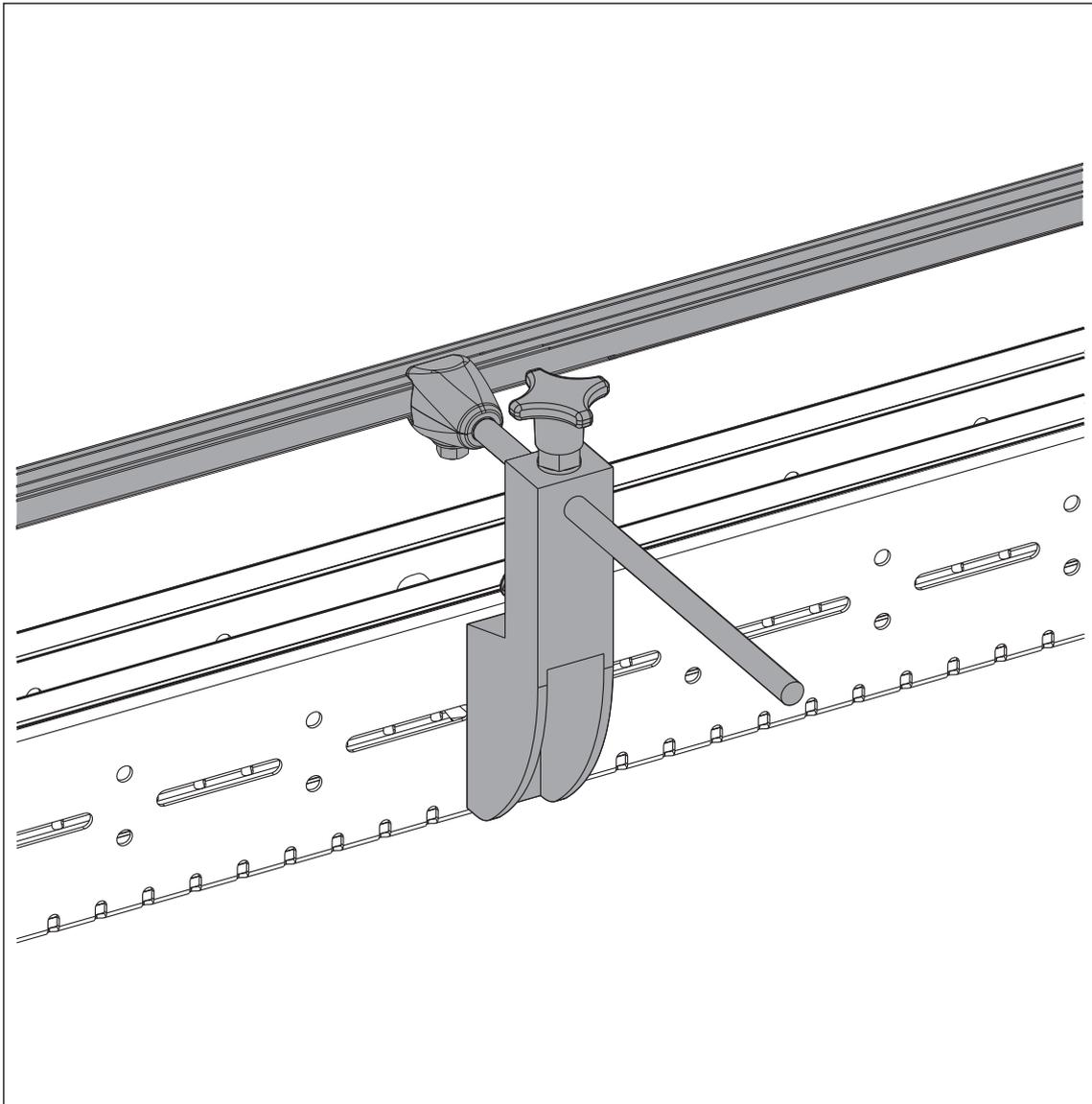


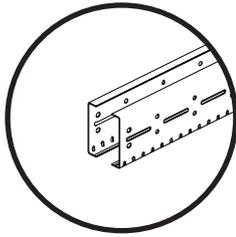
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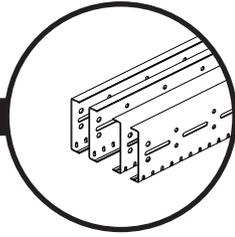
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7.3 Montage des Seitenführungshalters, hoch und tief

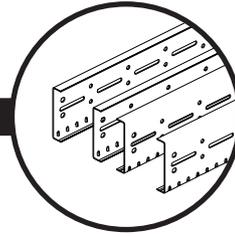




X85X

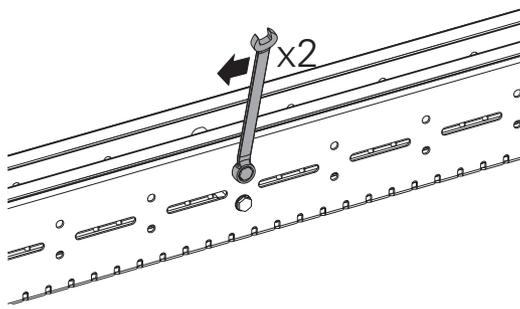


X180X

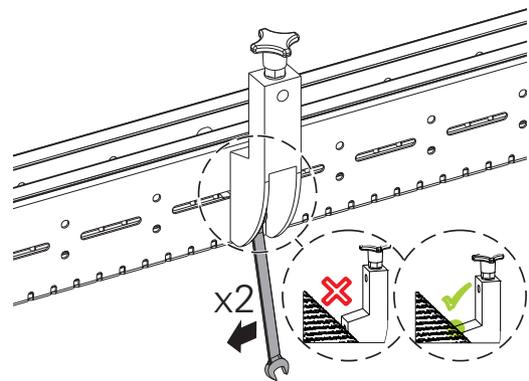


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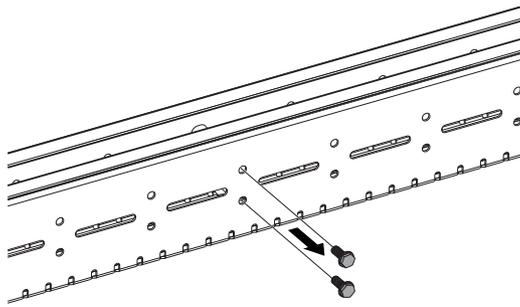
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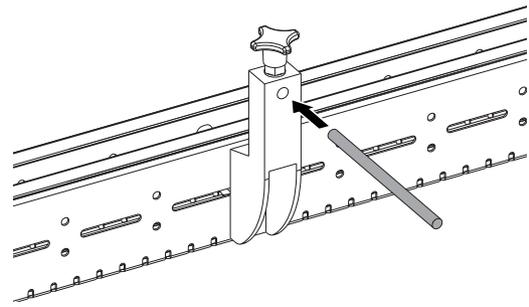
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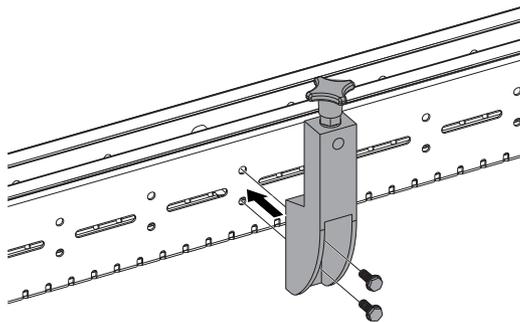
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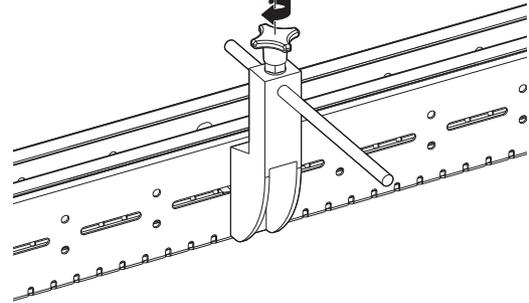
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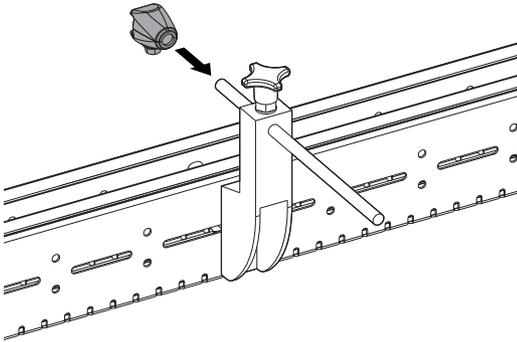
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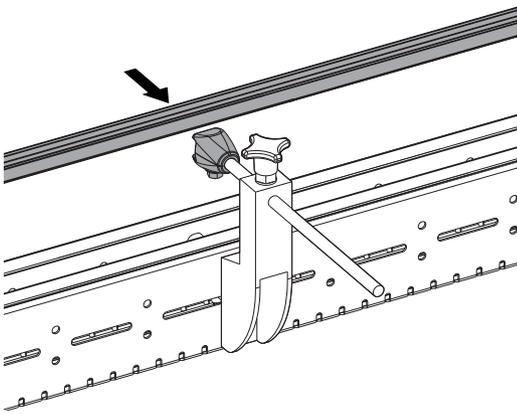
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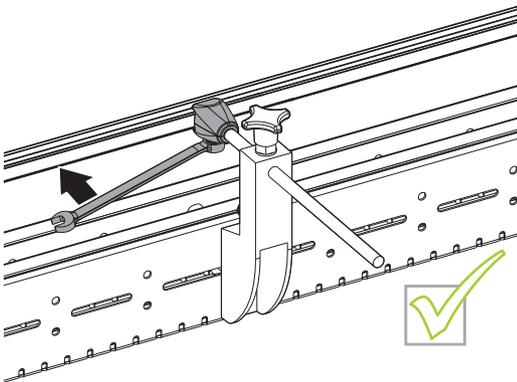
7



8

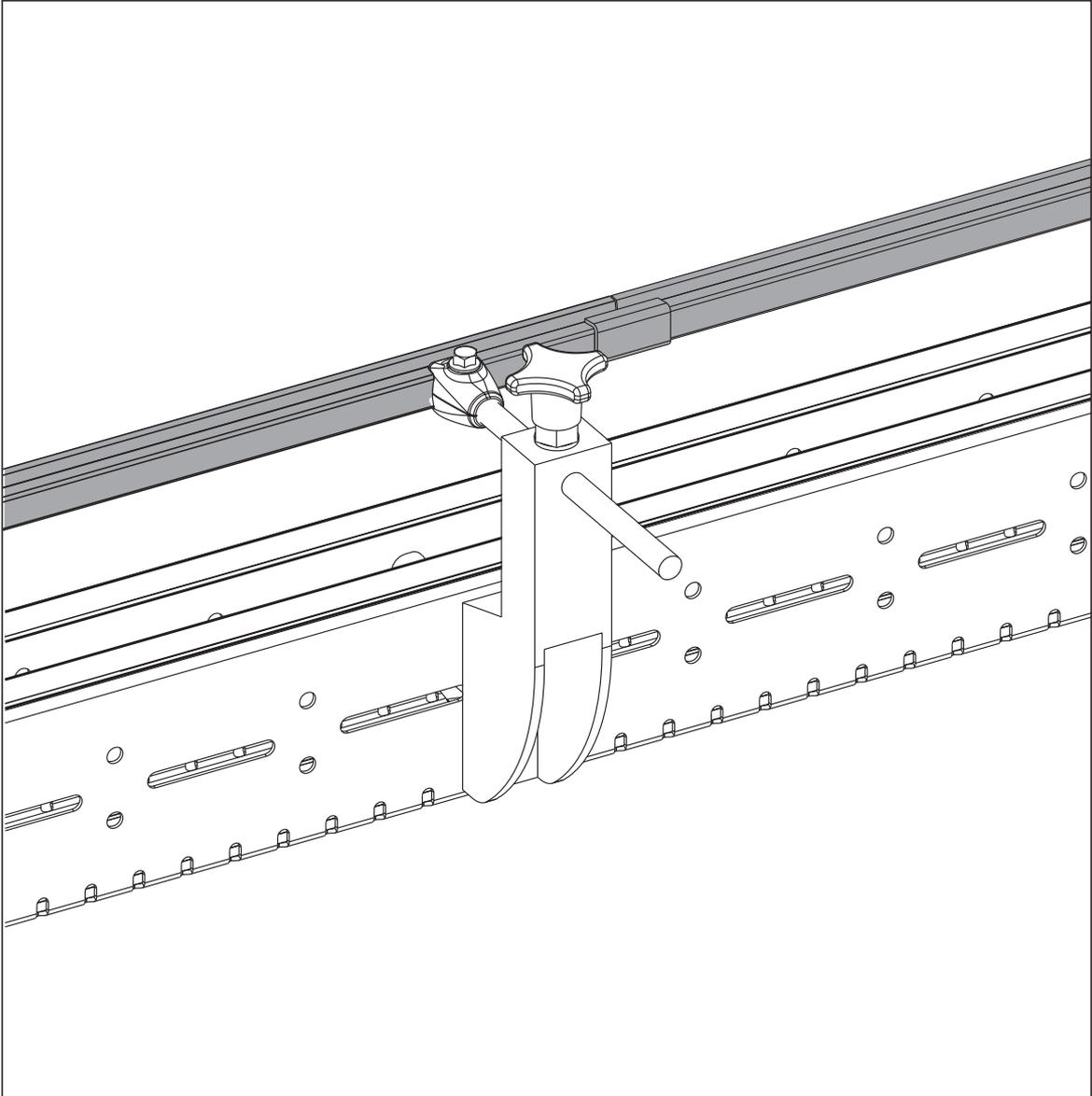


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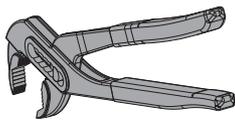


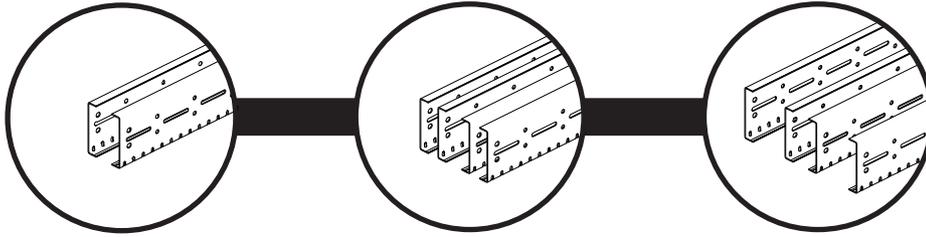
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7.4 Verbindungsseitenführungen



Greifzange



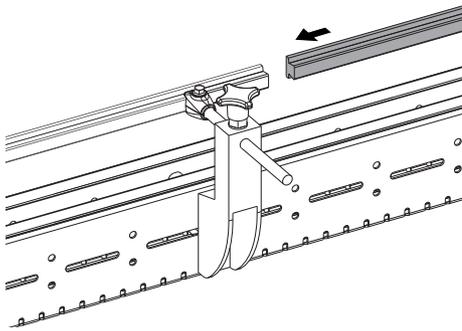


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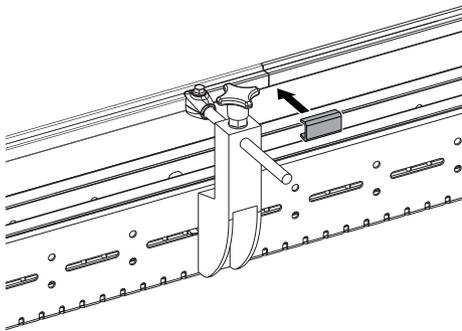
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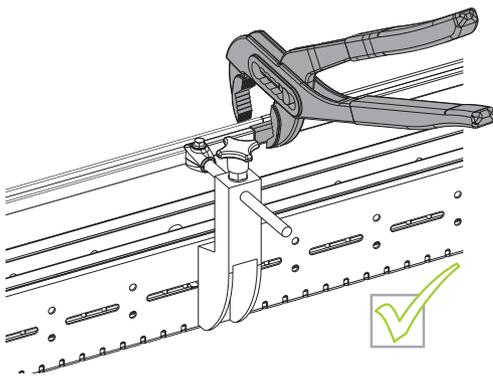
1



2



3





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