

Einbauanleitung / Bedienungsanleitung

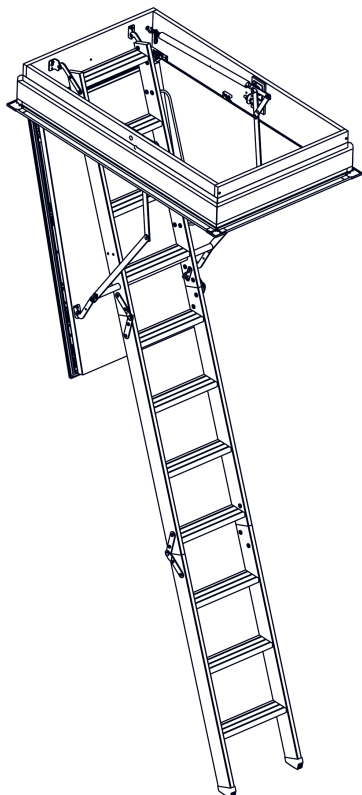
EN Installation manual
EN Operating instructions

FR Instructions de montage
FR Mode d'emploi

PL Instrukcja montażu
PL instrukcja obsługi



Bodentreppe MR



2

3

14

DE Hinweise/Sicherheitshinweise

- Jede Änderung des Produkts oder ein nicht zweckmäßiges Nutzen wie beschrieben, löscht automatisch die Gewährleistung.
- Die allgemeinen Unfallverhütungsvorschriften beachten.
- Die Baustelle gegen herabfallende Teile sichern.
- Bauphysikalische Grundlagen wie Wärmedämmung und Feuchteschutz beachten (Anschlussfugen in Anlehnung an DIN 4108-7).
- Der Einbau und Betrieb muss bei Normalklima erfolgen.
- Unbehandelte Holzteile schützen.
- Waagrecht, trocken und nicht im Freien lagern.
- Technische Änderungen vorbehalten.
- Verwenden Sie nur unveränderte Roto Originalteile.
- Beachten Sie Ihre landesspezifischen Bestimmungen.
- Erst nach kompletter Montage begehen.

EN Notes/safety notes

- Every modification of the product or a not appropriate use of the product leads to loss of warranty.
- Please observe the safety regulations.
- Please make sure that no parts can fall down.
- Please note the basics of building physics and in particular thermal insulation and protection against moisture.
- The installation and the use must take place in a normal climate.
- Please protect untreated wood.
- Please store the stair horizontally and dry. Please do not store the stair outside.
- Technical changes reserved.
- Please use only Roto genuine parts and spare parts.
- Please note national regulations.
- Please install the stair completely before you use the stair.

FR Instructions/instructions de sécurité

- Chaque changement du produit ou utilisation détournée comme défini, supprime la garantie automatiquement.
- Respectez les instructions pour la prévention des accidents.
- Sécurisez le chantier contre la chute des pièces.
- Respectez les principes de la physique du bâtiment comme isolation thermique et protection contre l'humidité.
- Le montage et le service doivent être réalisés à climat normal
- Protégez les pièces en bois non traitées.
- A conserver à l'horizontale, au sec et pas au dehors.
- Sous réserve de modifications techniques.
- Utilisez uniquement des pièces d'origine non modifiés.
- Respectez les réglementations spécifiques de votre pays.
- Utiliser seulement après du montage complet.

PL Wskazówki/informacje bezpieczeństwa

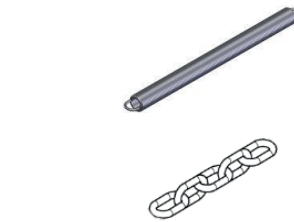
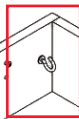
- Jakiegokolwiek samodzielne zmiany w produkcie lub niewskazane użytkowanie automatycznie anuluje umowę gwarancyjną.
- Proszę przestrzegać ogólne zasady bezpieczeństwa.
- Miejsce zabudowy proszę zabezpieczyć tak, aby żadna z części nie zsunęła się i nie spadła nikomu na głowę.
- Proszę zwracać uwagę na podstawowe zasady/ przepisy budowlano-fizyczne dotyczące np: ocieplenia, wilgoci.
- Montaż i użytkowanie tylko w umiarkowanym klimacie.
- Niezabezpieczone części drewniane pomalować lakierem.
- Produkt przechowywać poziomo w suchym, zamkniętym pomieszczeniu.
- Proszę zwracać uwagę na zmiany techniczne.
- Proszę korzystać tylko z oryginalnych części Roto.
- Proszę dostosowywać się do specyficznych zasad regionalnych.
- Produkt gotowy do użytku tylko po zakończonym montażu.



A 1x

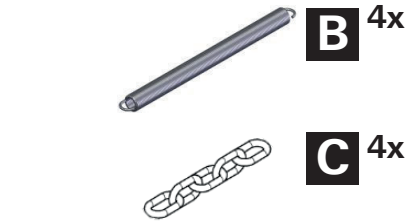
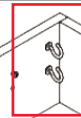


**Dämm- und Dichtblock WDL,
bitte nicht entfernen!
Isolation blocks, please do
not remove it!**



B 2x

C 2x



B 4x

C 4x

D

1x Tx30

E

4x M6x25 Tx30

F

8x 7,5x122 Tx30

G

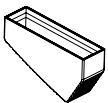
1x

H



I

4x



J 2x



K 2x 4x16

T

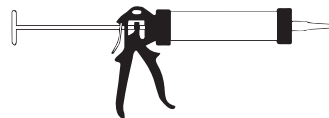
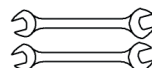
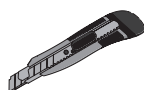


ø6,0 (ø6,5)

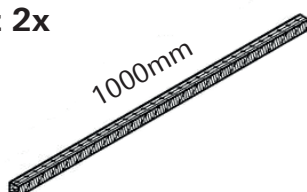


Tx 30

SW 17



Holz 2x



30mm x 30mm

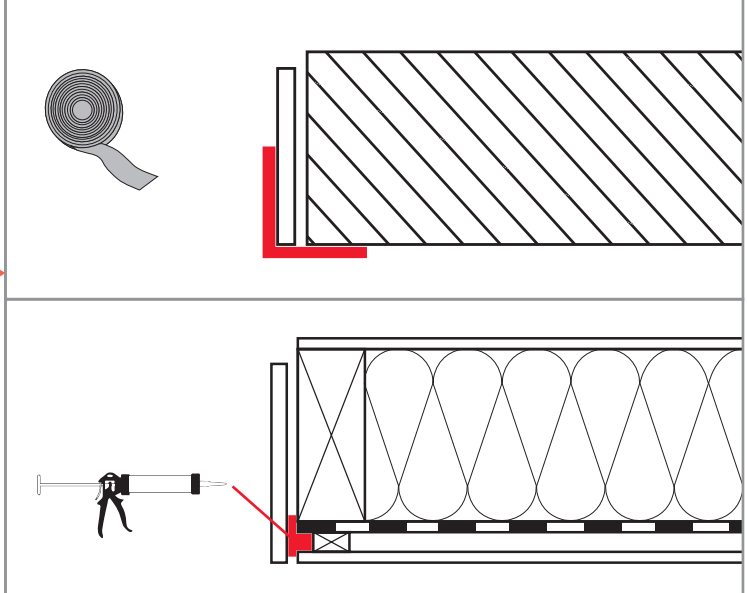
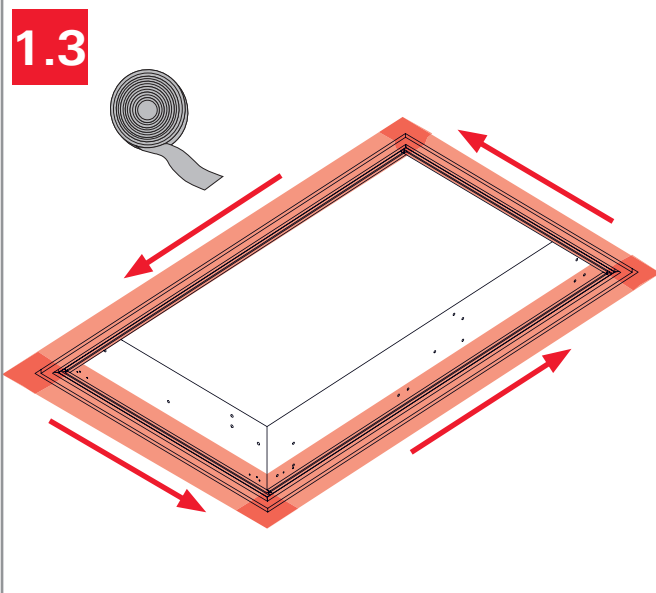
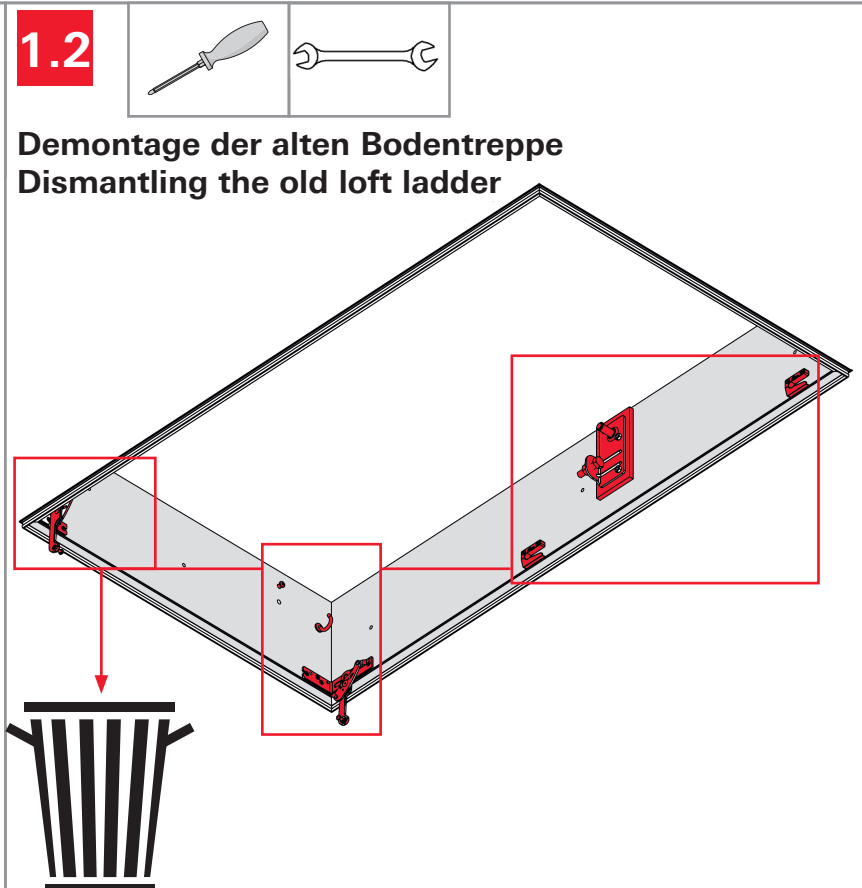
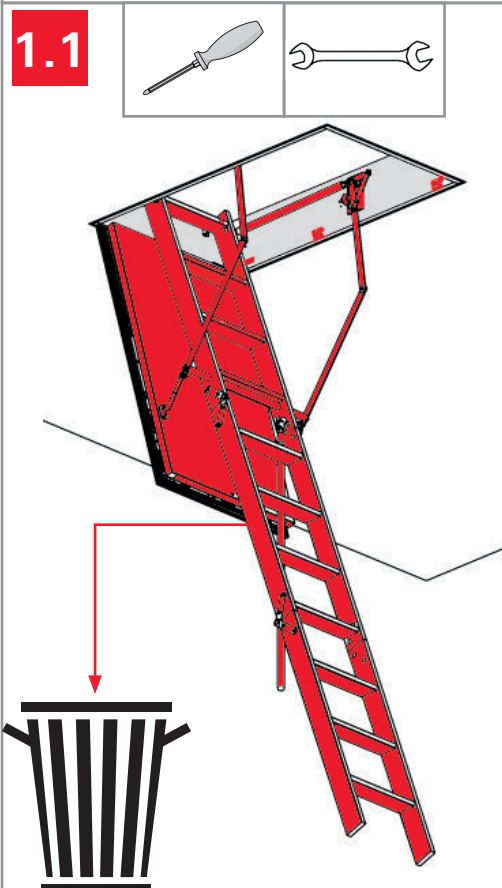
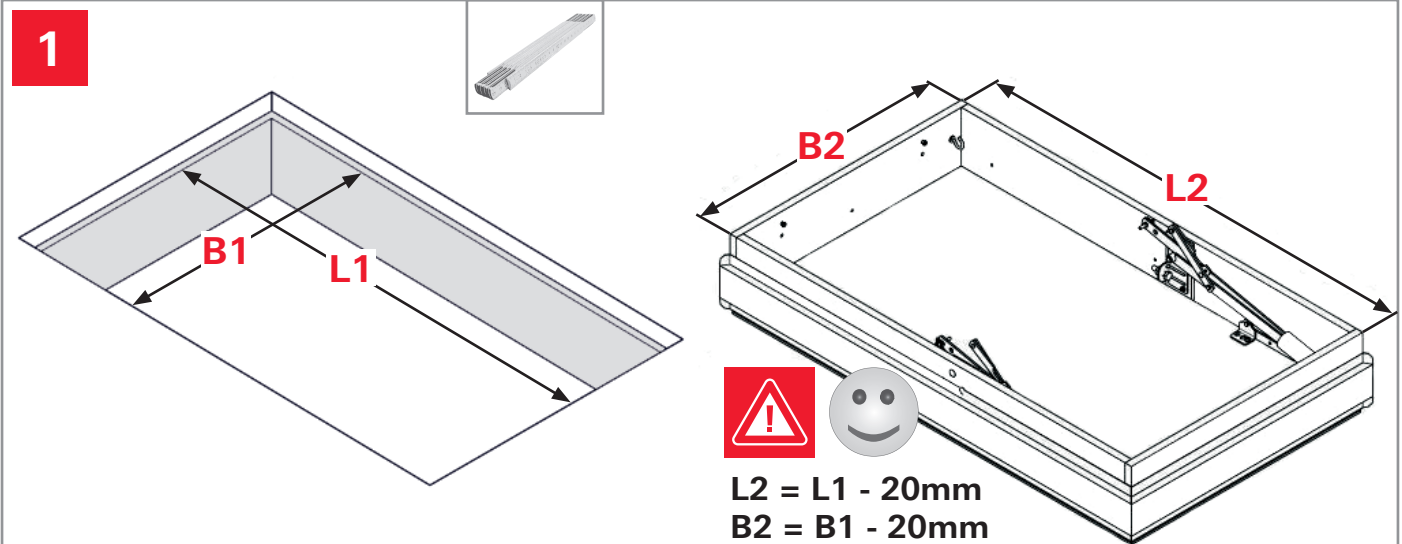
1000mm

4,5x70
4x

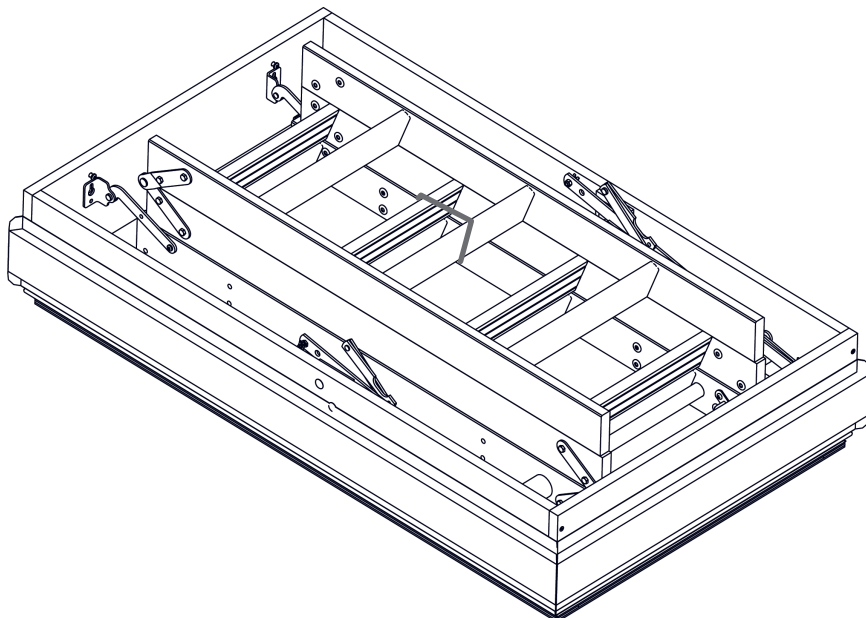


4x

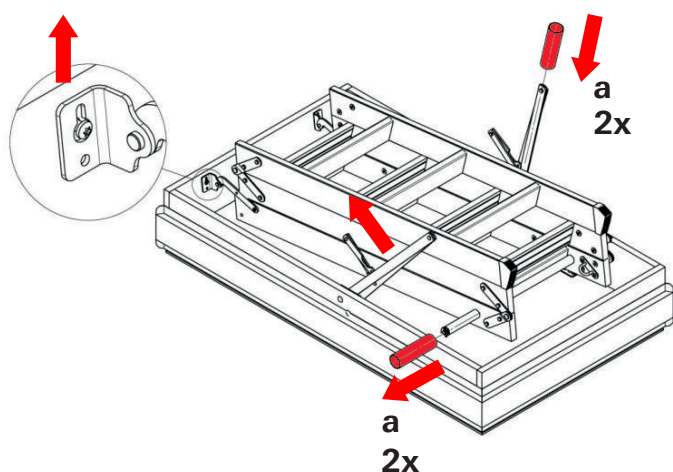




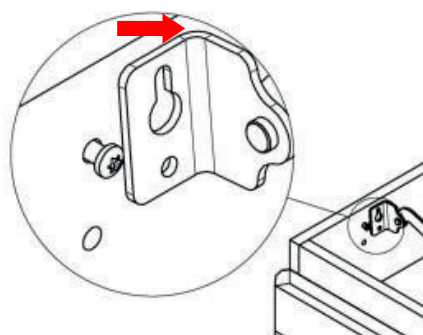
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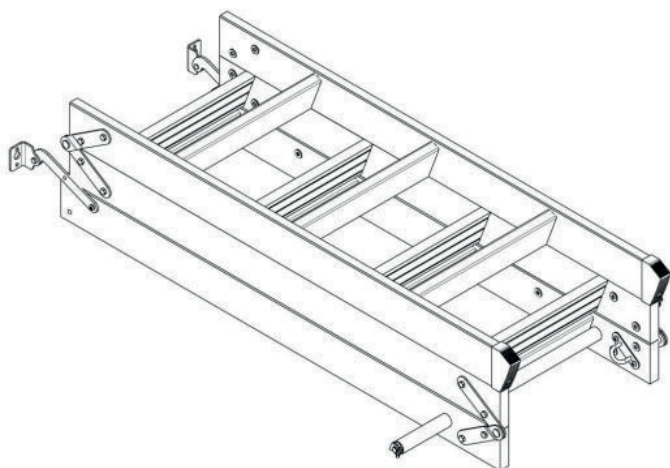
2.1



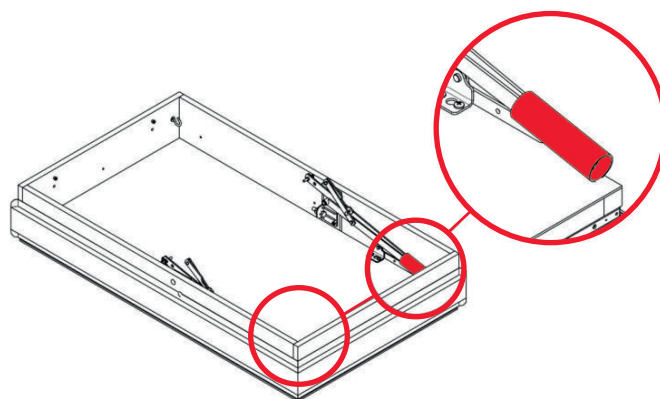
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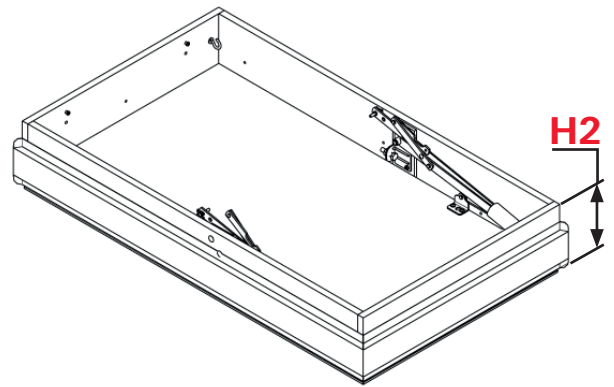
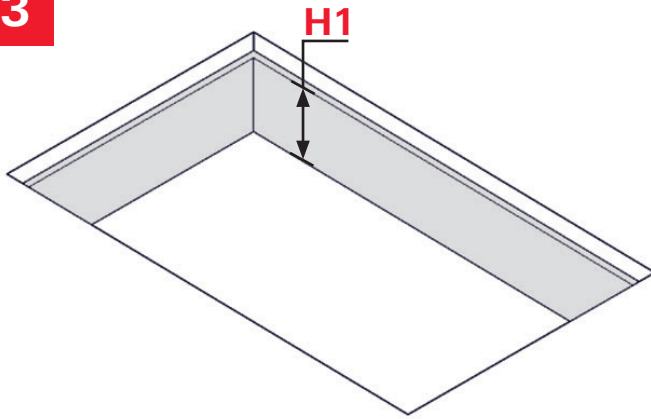
2.3



2.4

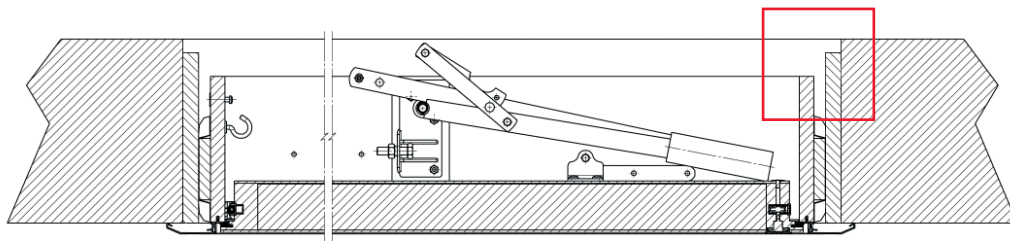


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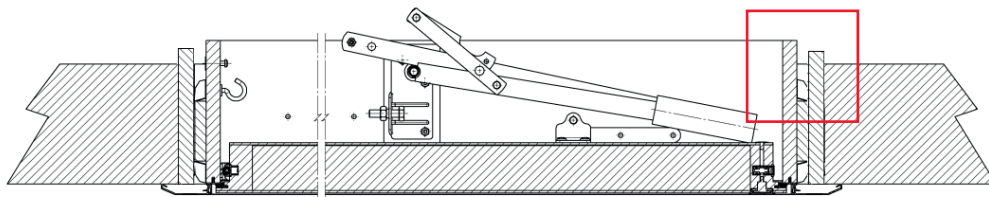
3.1

$H1 > H2$

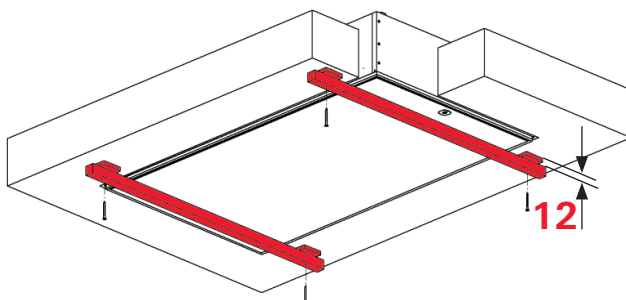


3.2

$H1 < H2$

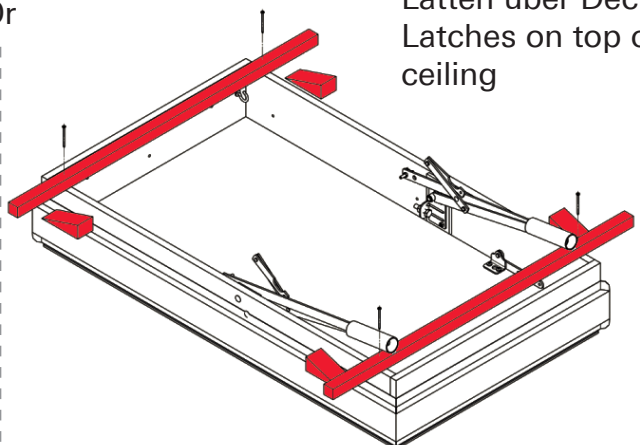


Latten unter Decke
Latches under ceiling



Oder
Or

Latten über Decke
Latches on top of ceiling

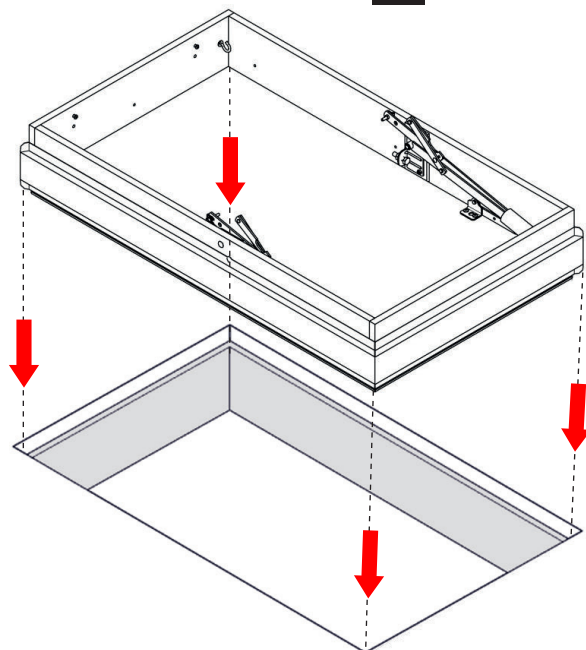


4



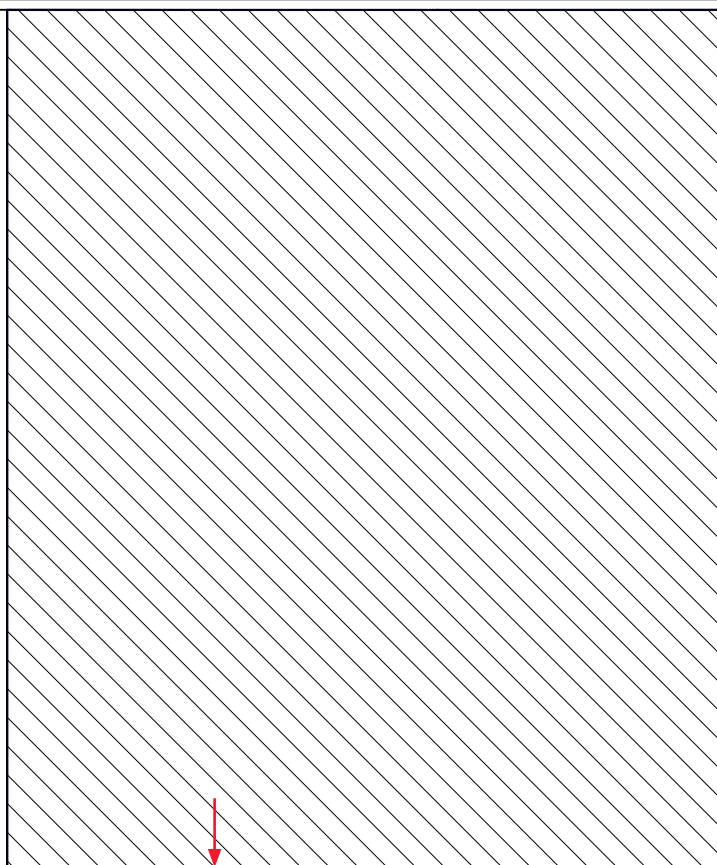
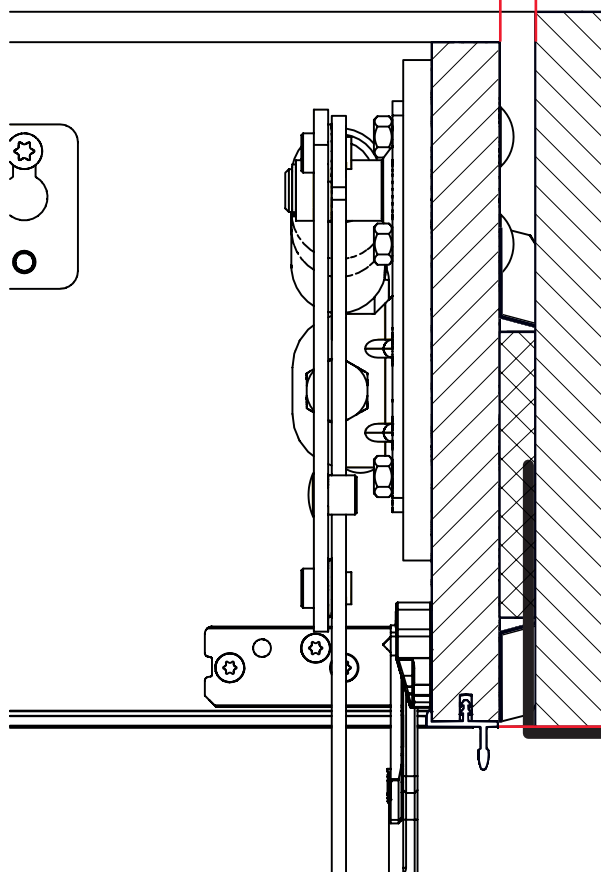
8x 7,5x122 Tx30
F

Tx30
D



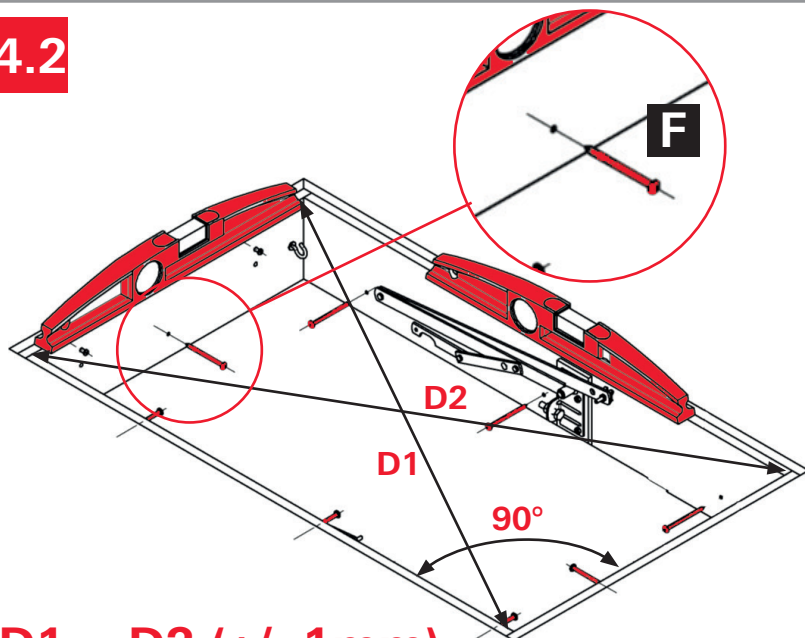
4.1

10mm

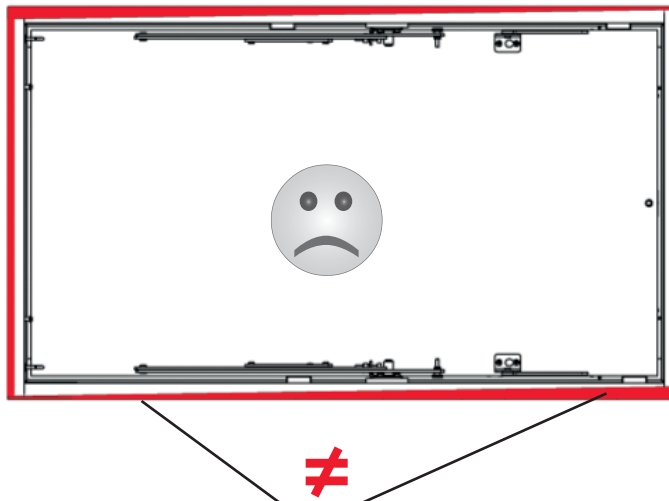
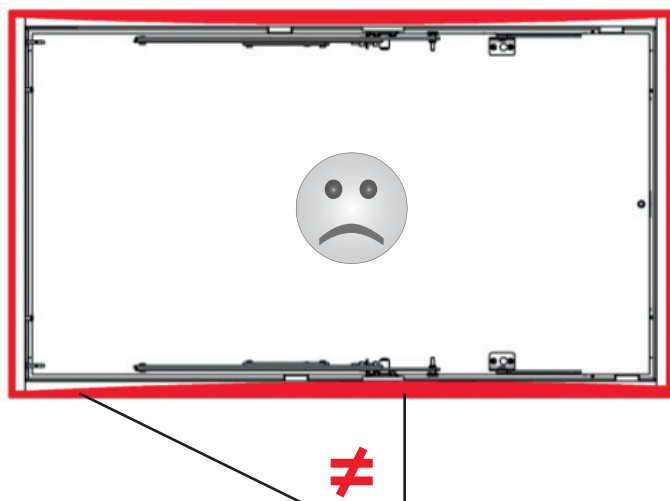
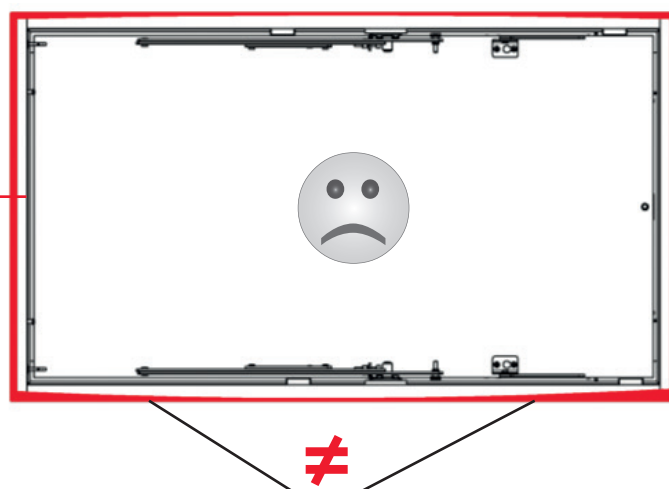
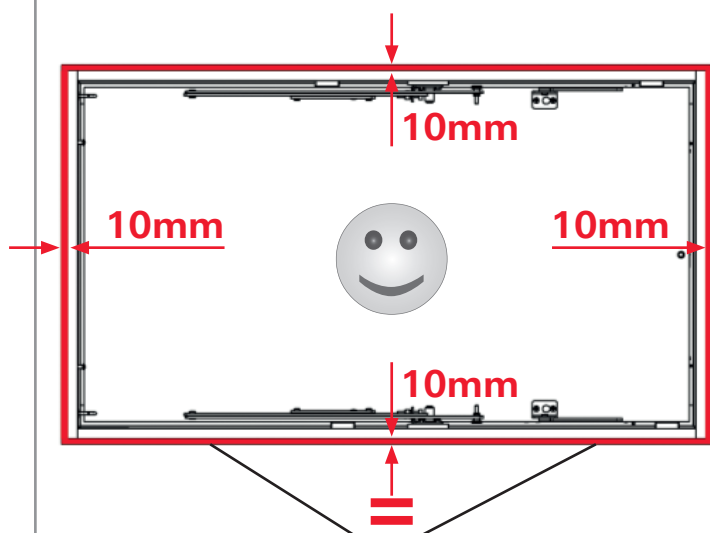
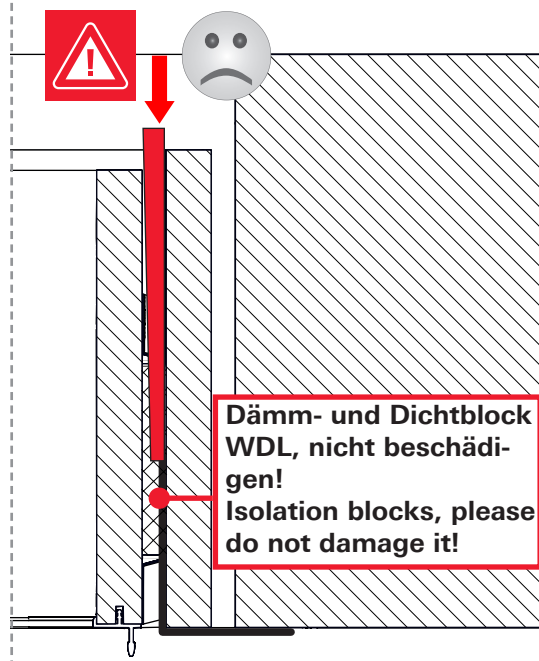


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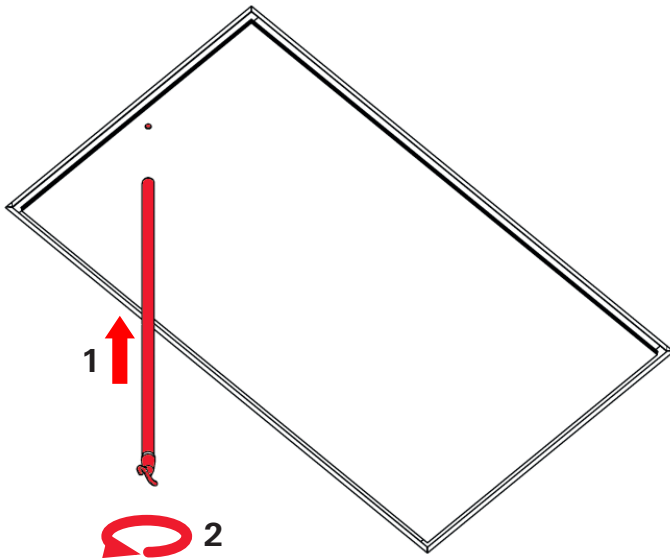
4.2



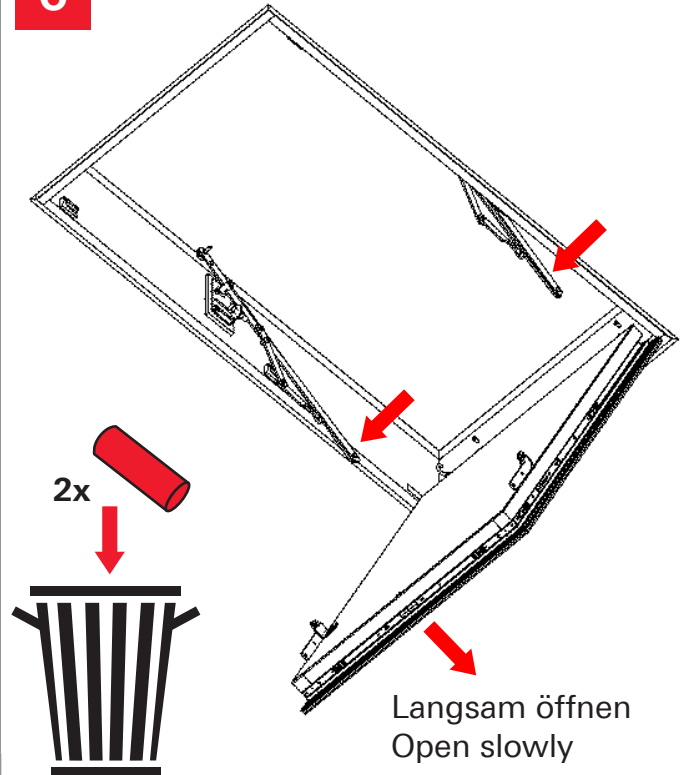
$D1 = D2 (+/- 1mm)$



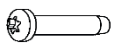
5



6

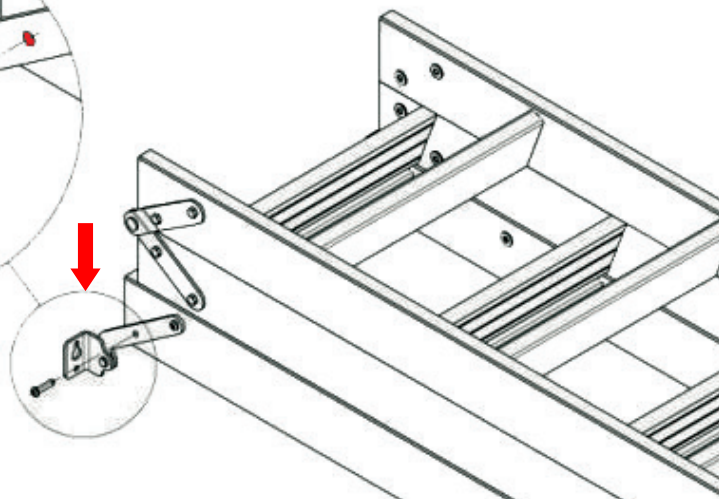
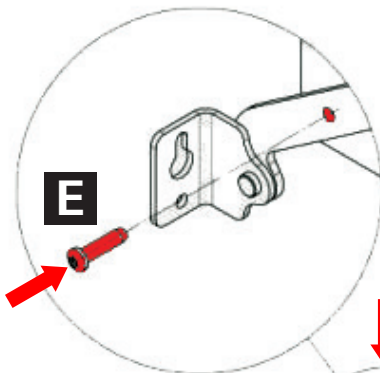
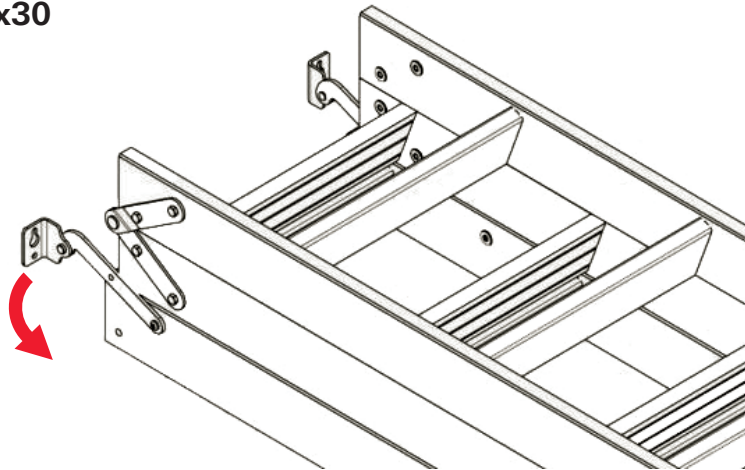


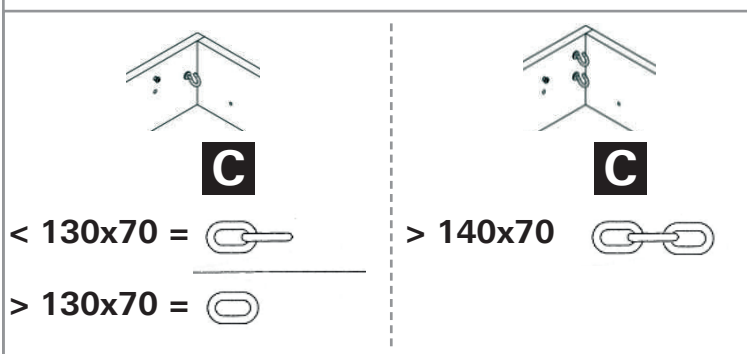
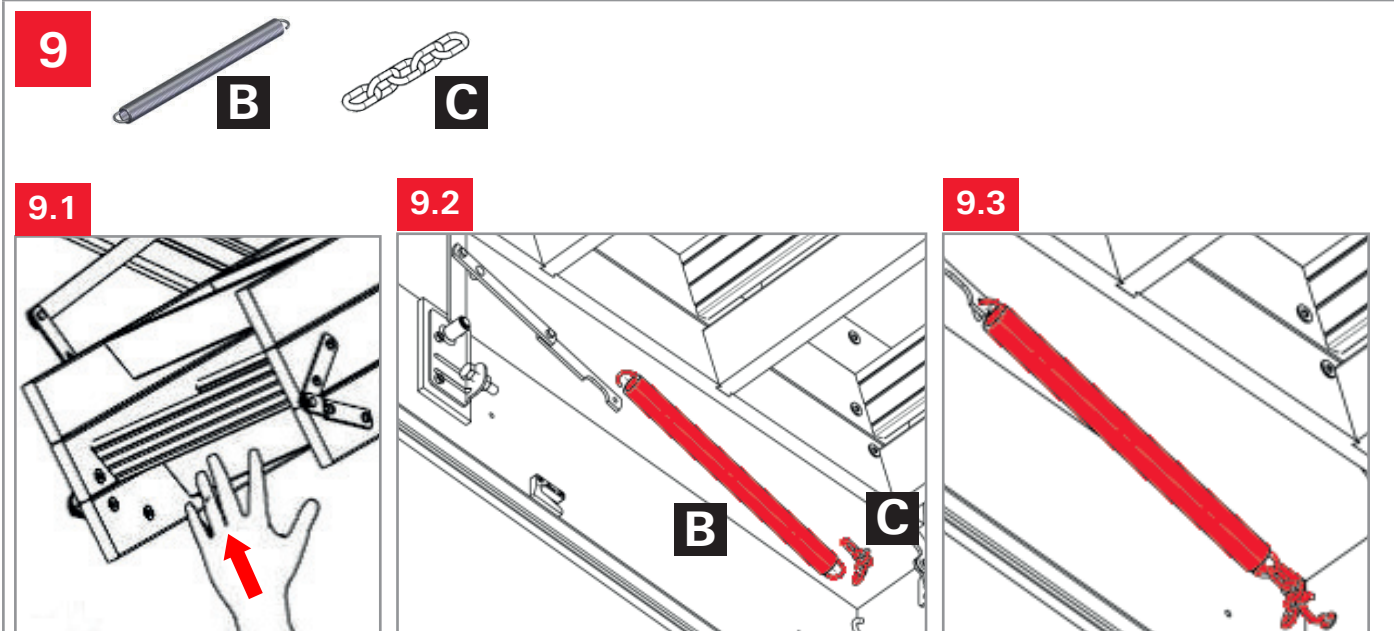
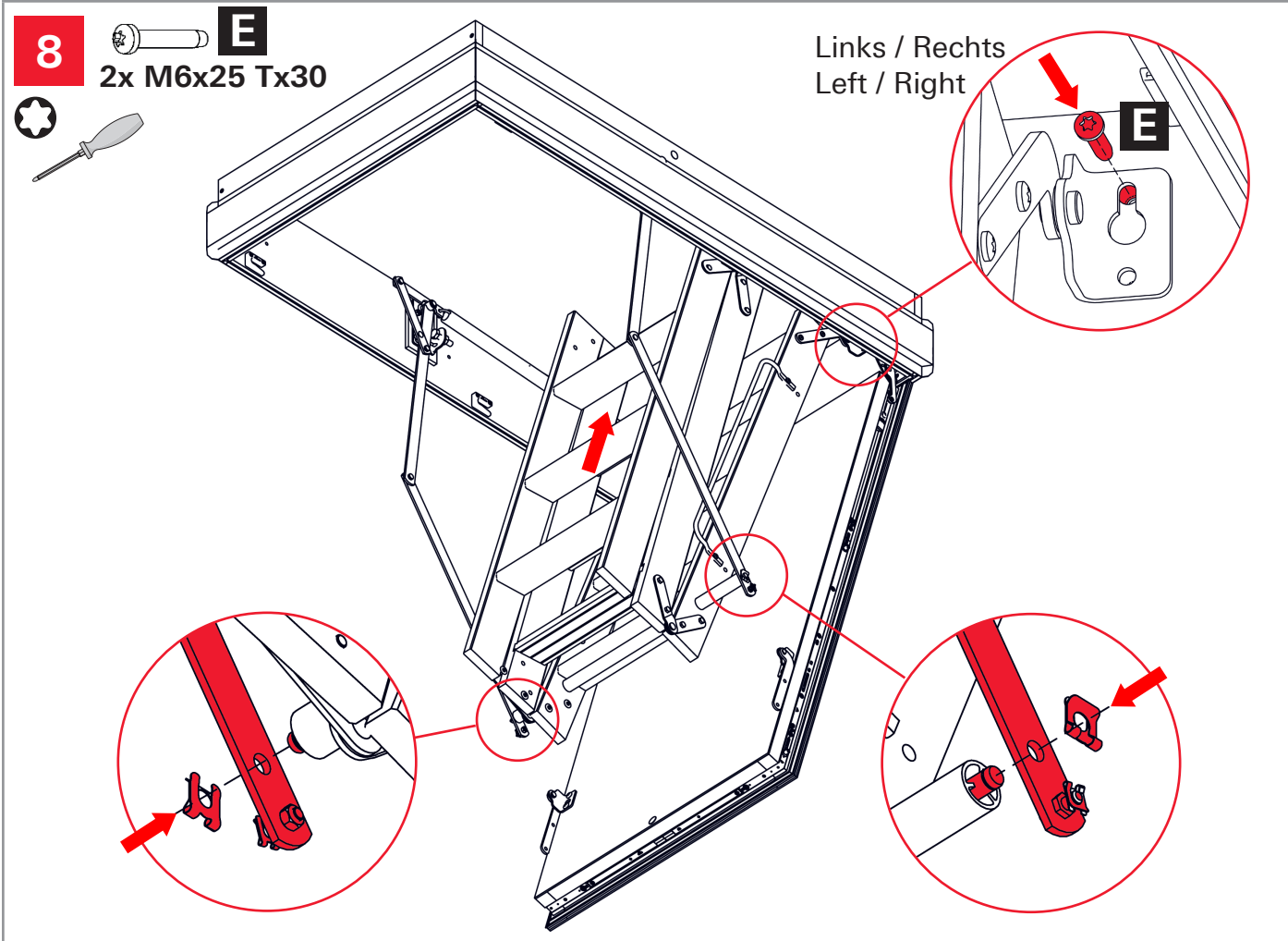
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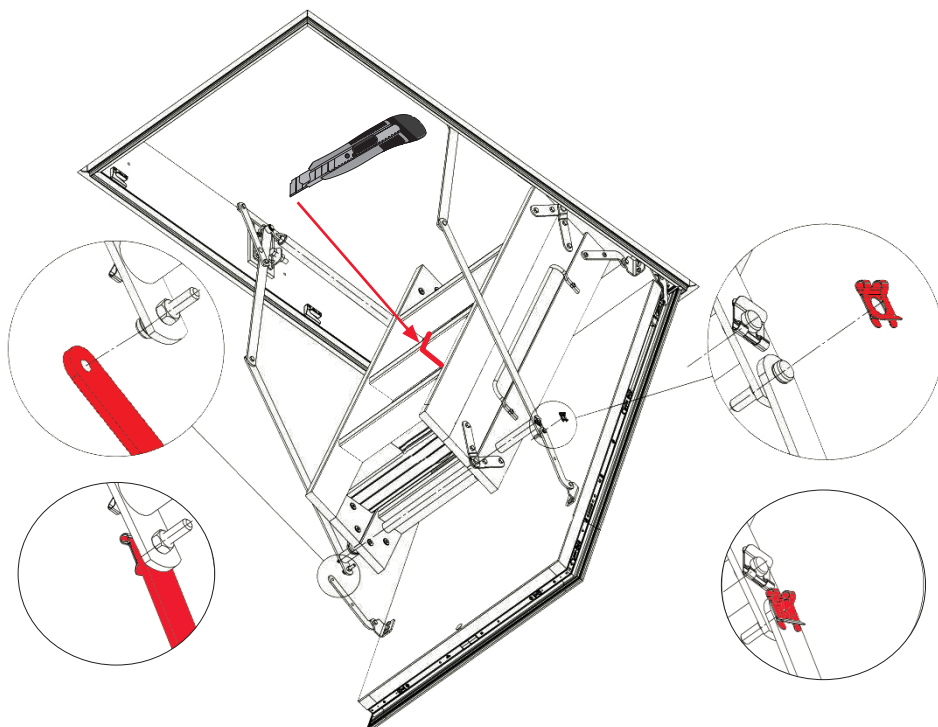
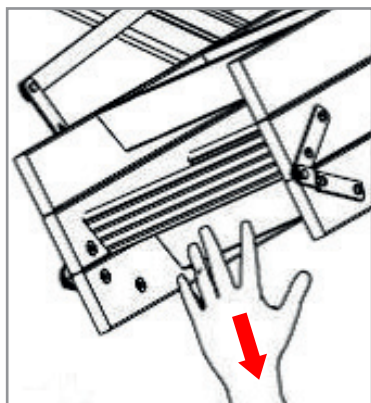
E

2x M6x25 Tx30

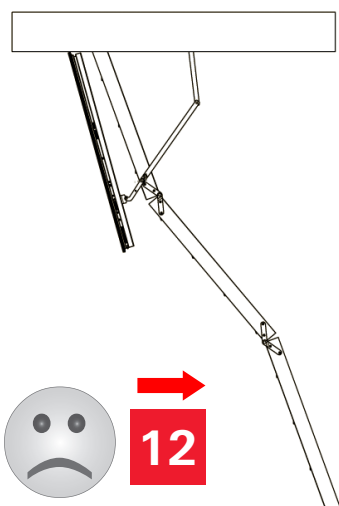
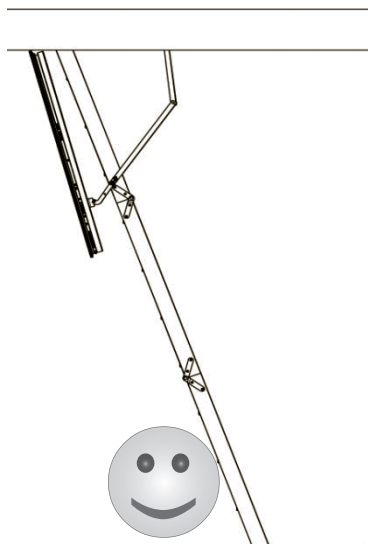
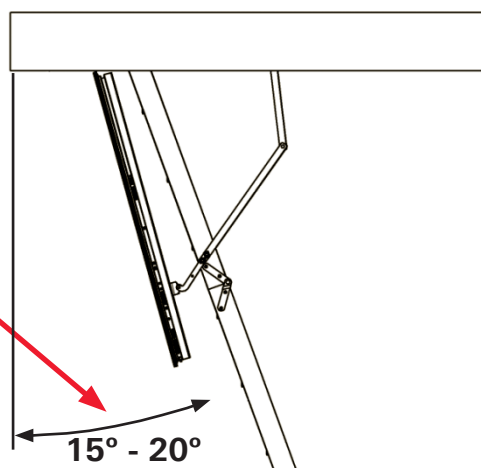
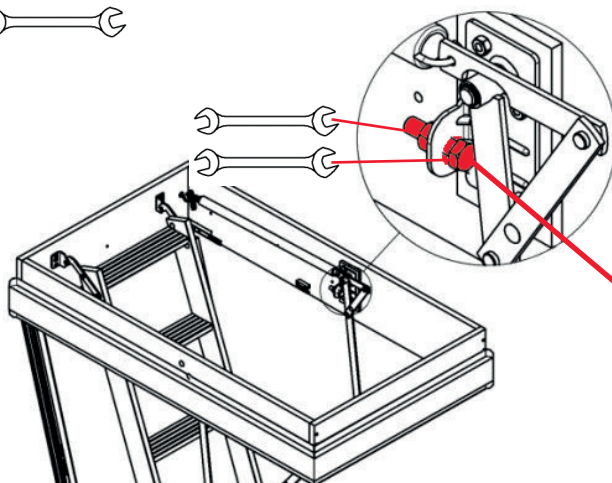
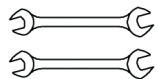




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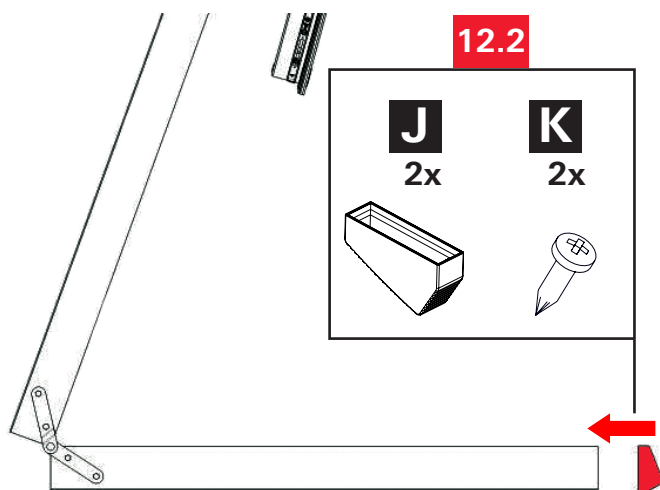
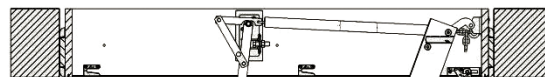


11



12

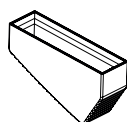
12



12.2

J

2x



K

2x



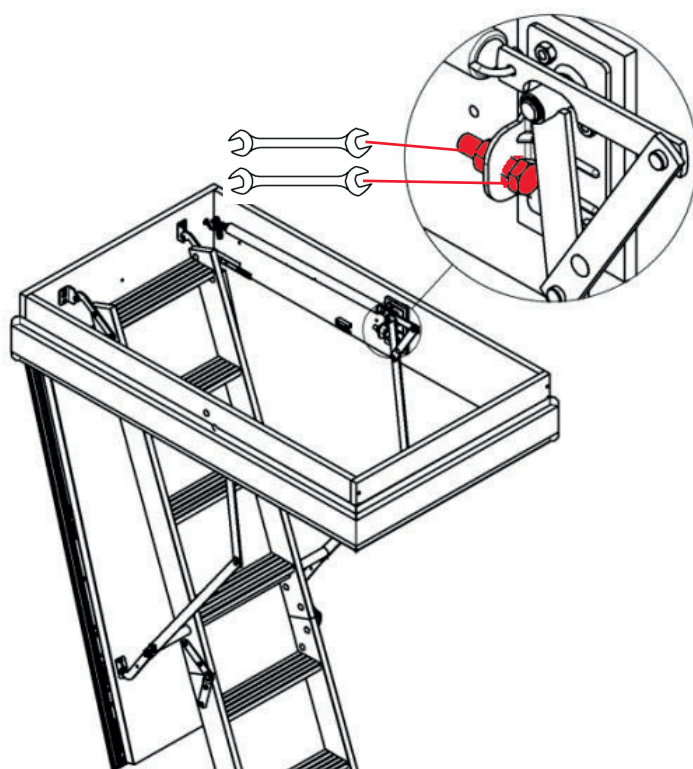
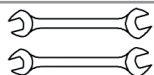
15° - 20°

12.1



mind. 85mm
A-5mm
Max.
mind. 85mm

13



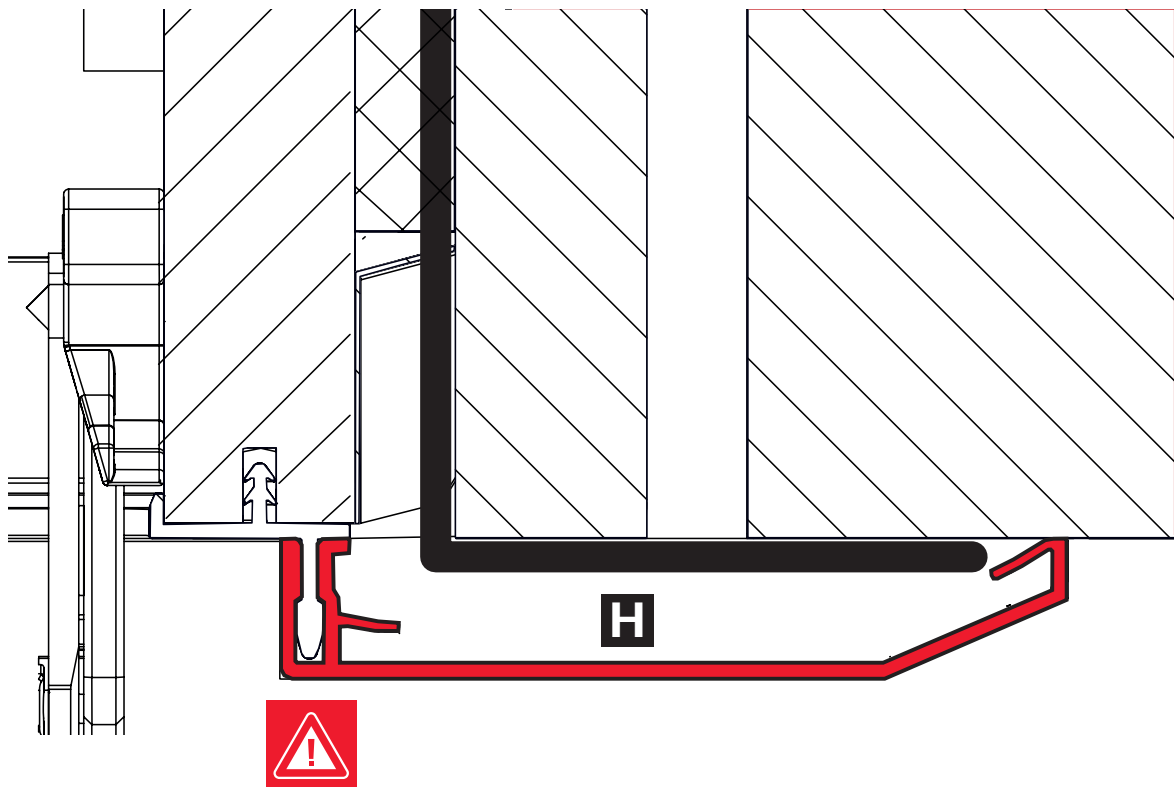
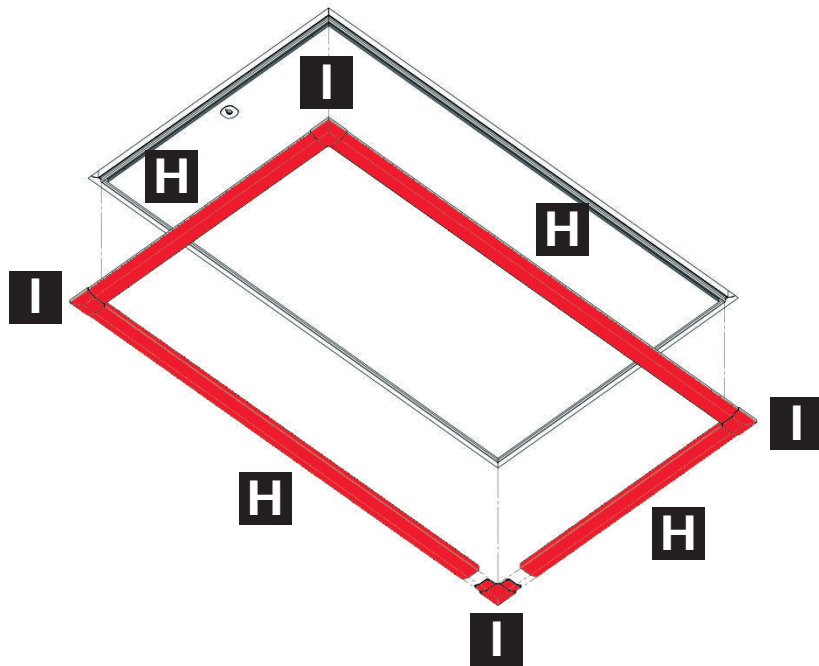
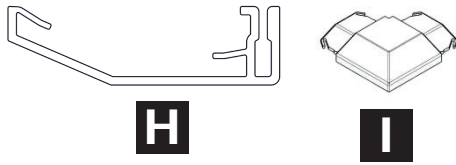
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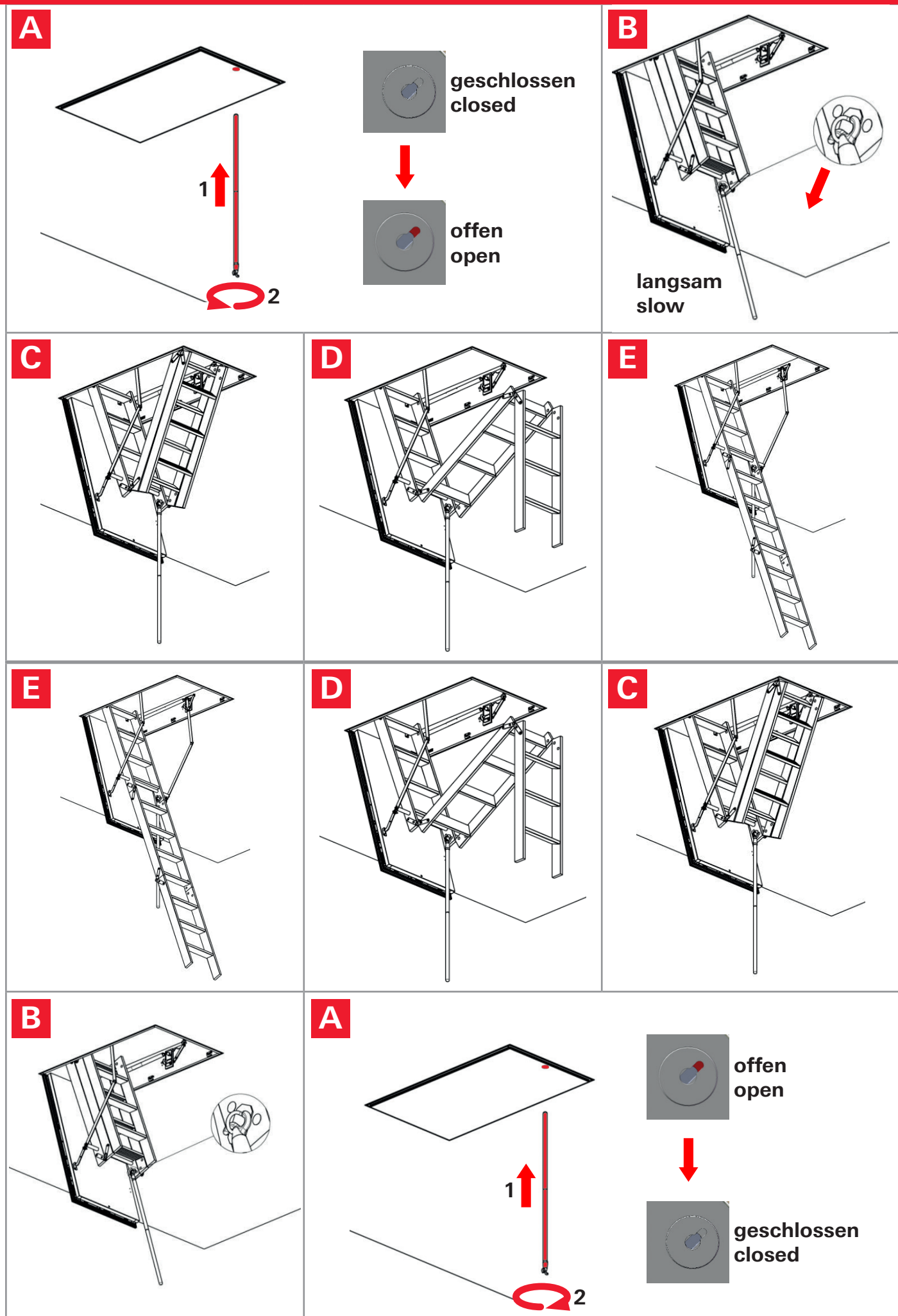
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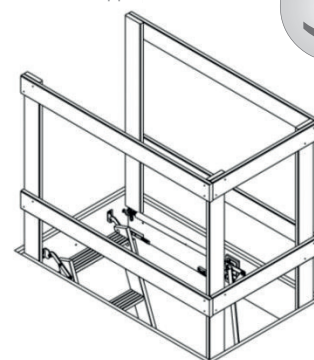
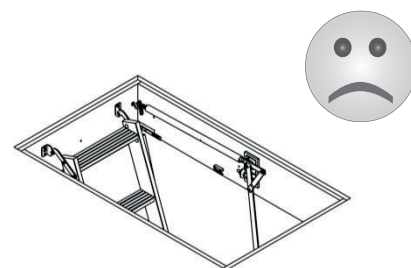
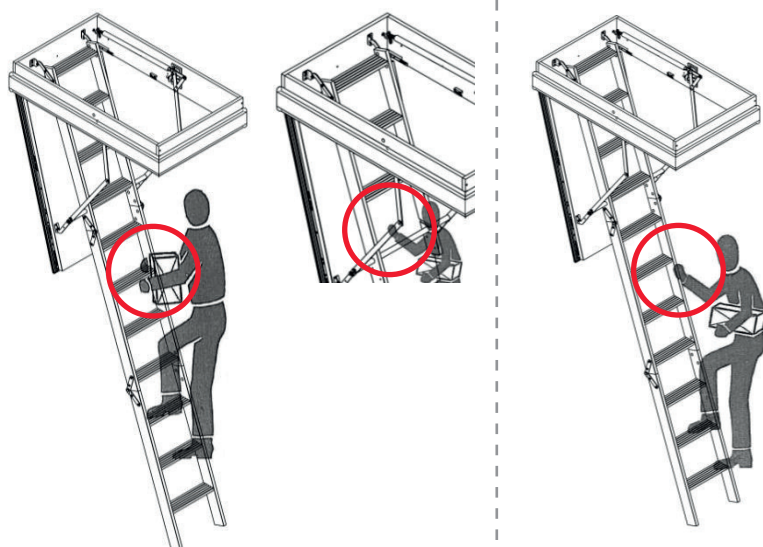
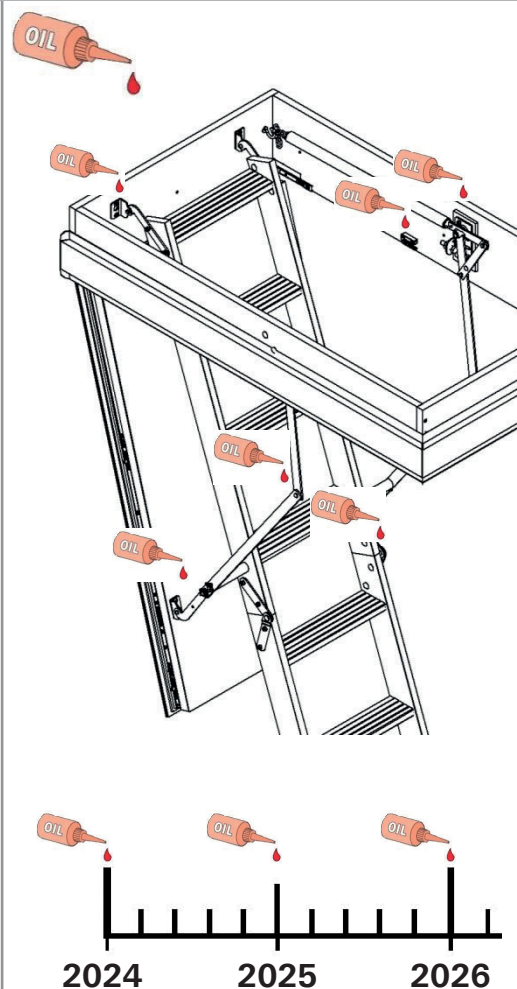
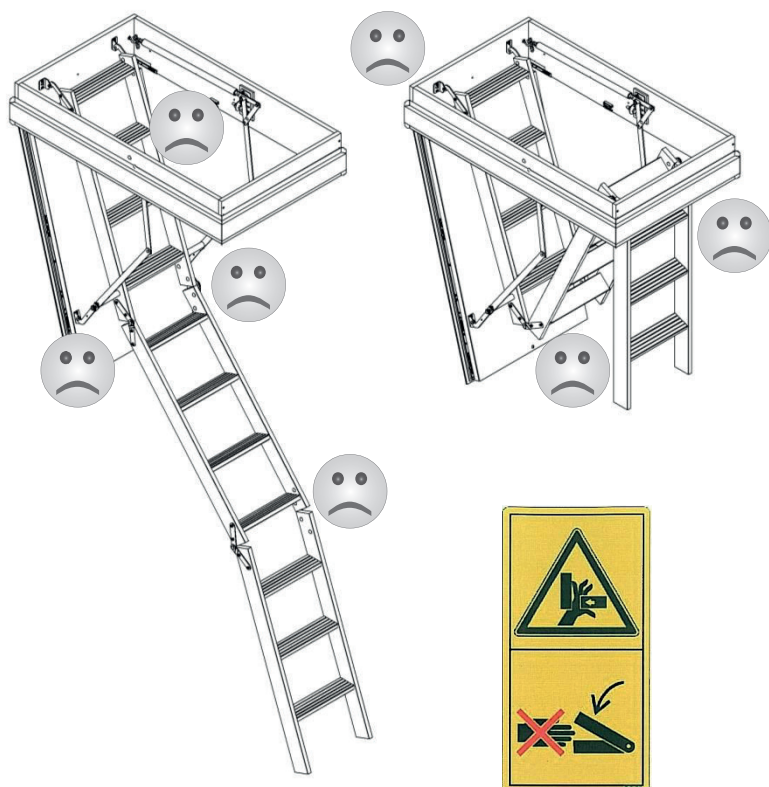
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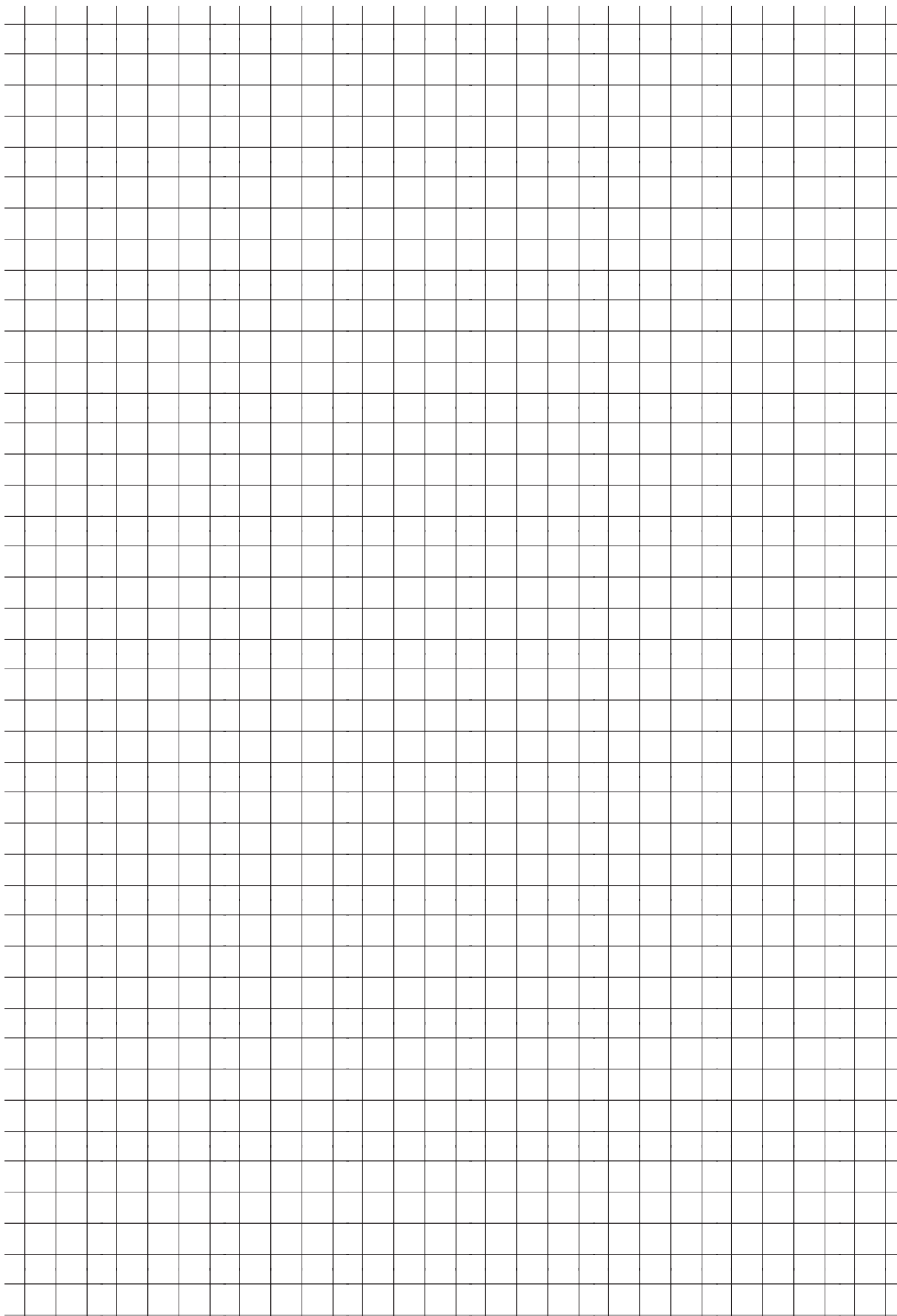




öffnen / open

schließen / close







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