



LMF 60

US

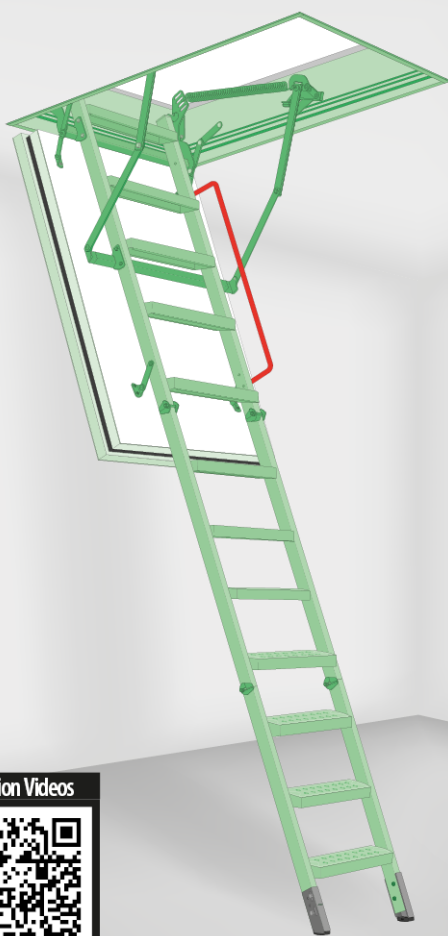
INSTALLATION INSTRUCTIONS
Fire-resistant attic stairs

ES

INSTRUCCIONES DE INSTALACIÓN
Escalera escamoteable ignífuga

FR

INSTRUCTION D'INSTALLATION
Escalier escamotable coupe-feu



Installation Videos



<https://www.fakrousa.com/installers/installation-videos/installation-videos-for-attic-ladders/>

READ SAFETY INSTRUCTION BEFORE USING

WARNING!
ATTENTION!
CUIDADO!



NC 9CE

ES

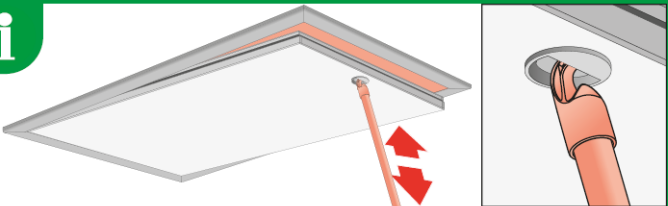
LEA LAS INSTRUCCIONES DE SEGURIDAD ANTES DE USAR

FR

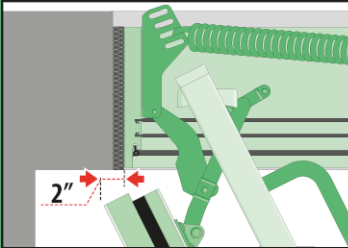
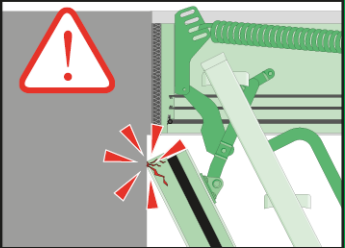
VEUILLEZ LIRE LES DIRECTIVES DE SÉCURITÉ AVANT L'UTILISATION

US	Installation and operation of the attic ladder must be carried out in compliance with the fitting instructions and user manual. Safety of use depends on the implementation of all actions shown in the fitting instructions and use of the attic ladder in accordance with all points shown in the user manual. WARNING! Using the attic ladder in violation of the instructions is strictly forbidden as it may cause a serious accident, it voids the Warranty and makes the Manufacturer no longer liable for the product.
ES	El montaje y el uso de la escalera debe llevarse a cabo de acuerdo con el manual de instalación y el manual de uso de la misma. La seguridad de uso de la escalera depende de la correcta realización de todas las acciones indicadas en el manual de instalación y uso de la escalera de acuerdo con todos los puntos indicados en el manual de uso. ¡PRECAUCIÓN! Está prohibida la utilización de la escalera que no sea conforme con el manual de instrucciones, porque puede causar un accidente grave, deshabilita la garantía y hace que el fabricante no se responsabilice.
FR	Le montage et l'utilisation de l'escalier doivent être réalisés dans le respect de l'instruction de montage et d'utilisation. La sécurité d'utilisation dépend de la réalisation de toutes les activités indiquées dans l'instruction de montage et d'utilisation de l'escalier. ATTENTION! l'utilisation des escaliers contrairement à l'instruction est interdite, elle peut provoquer un accident grave, annulation de la garantie et manque de responsabilité du fabricant.

i

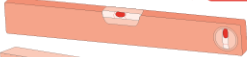


US	Check the clearance behind your opening
ES	Verifique el espacio detrás de su abertura
FR	Vérifiez l'espace derrière votre ouverture



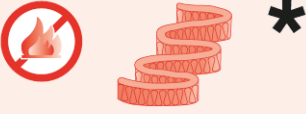










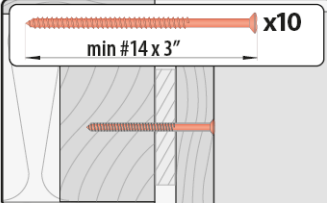



2,5lbs/ft.³ (40 kg/m³)
conforming to ASTM C665 Type 1

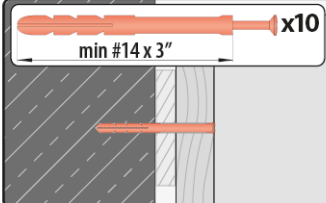


FIRE STOP CAULKING
3M IC 15WB+
or Tremstop IA+

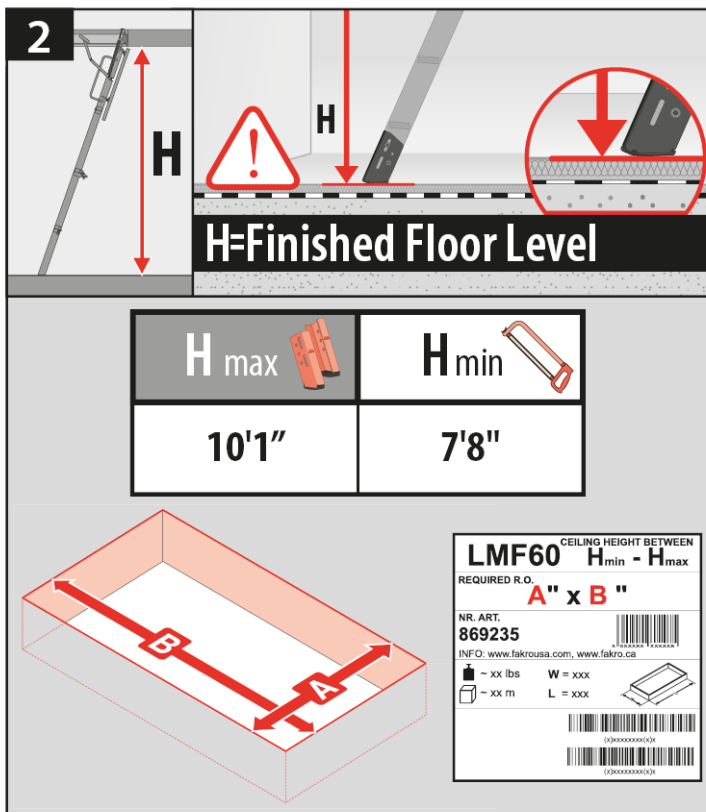
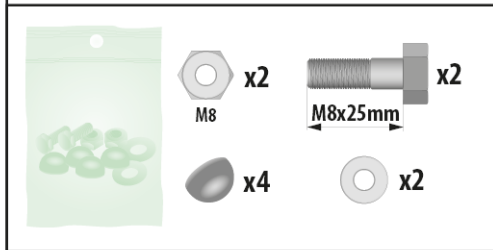
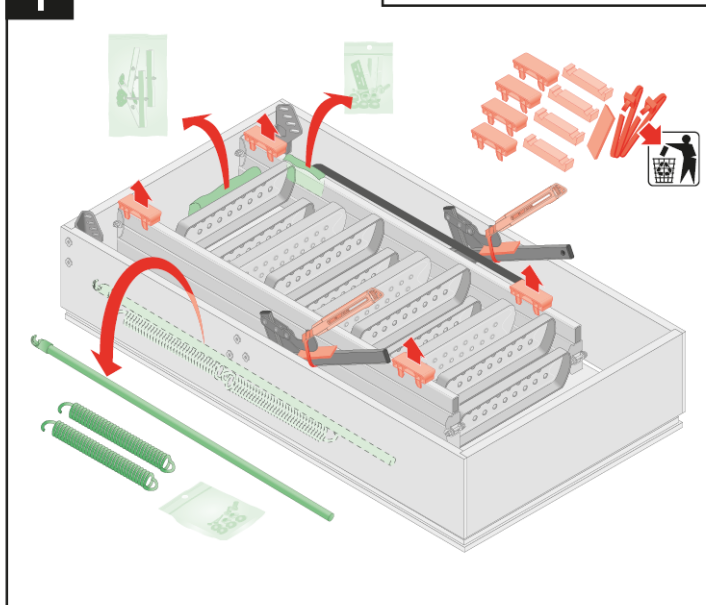
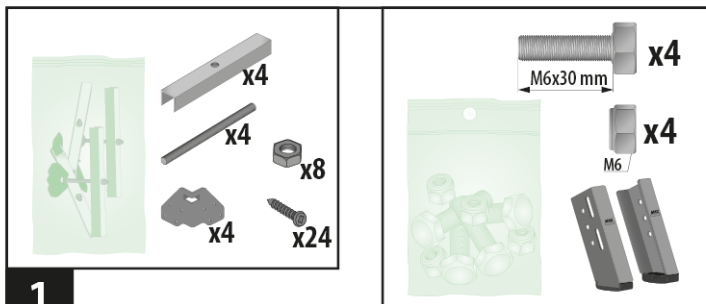
US	Recommended in accordance to: QAI Test report B1083-1B
ES	Recomendado de acuerdo con: Informe de prueba QAI B1083-1B
FR	Recommandé conformément au rapport de tests QAI Test report B1083-1B



x10
min #14 x 3"



x10
min #14 x 3"

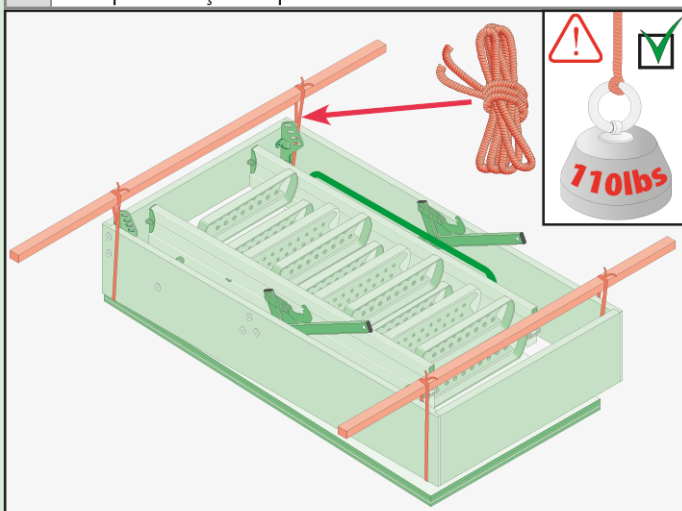


US	Two installation methods:
ES	Dos métodos de instalación:
FR	Deux méthodes d'installation:



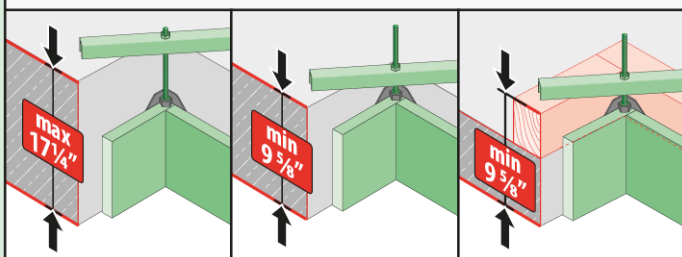
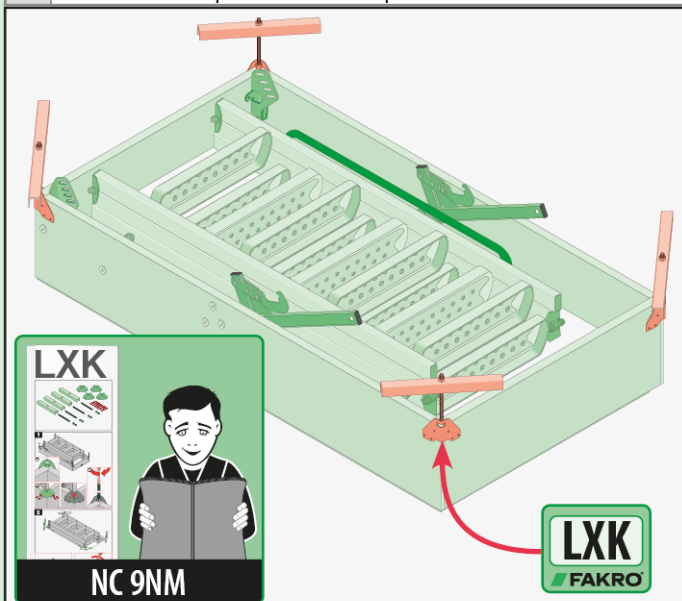
Temporary suspension

ES	Suspensión temporal
FR	En suspens de façon temporaire



Installation brackets LXX

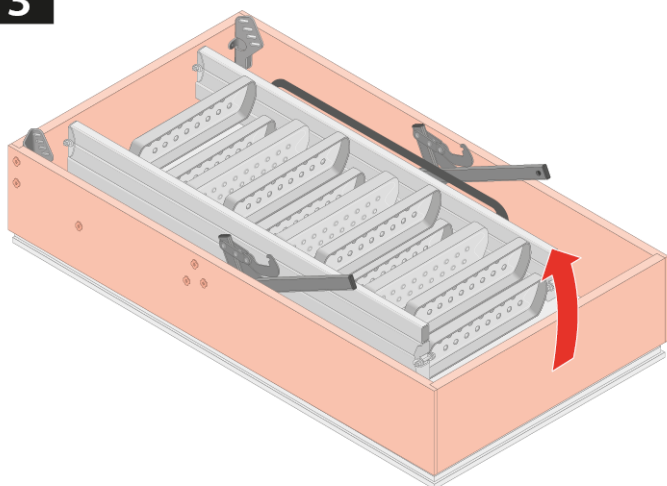
US	Temporary installation brackets - check floor cross-section requirements
ES	Soportes de instalación temporal: verifique los requisitos de sección transversal del piso
FR	Fixations d'installation temporaire - veuillez consulter les exigences concernant la coupe transversale du plancher



US	For installation using the bracket method, see the installation brackets instruction.
ES	Para la instalación utilizando el método de soporte, consulte las instrucciones de los soportes de montaje.
FR	Pour une installation à l'aide de la méthode des supports, consultez les instructions d'installation des supports.

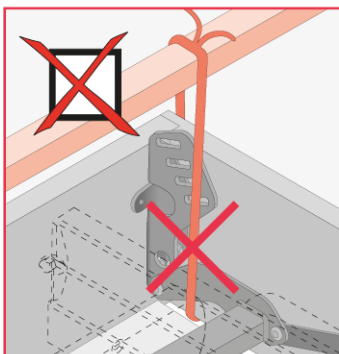
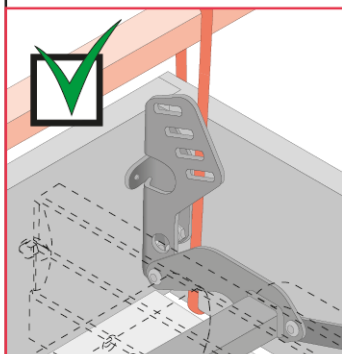
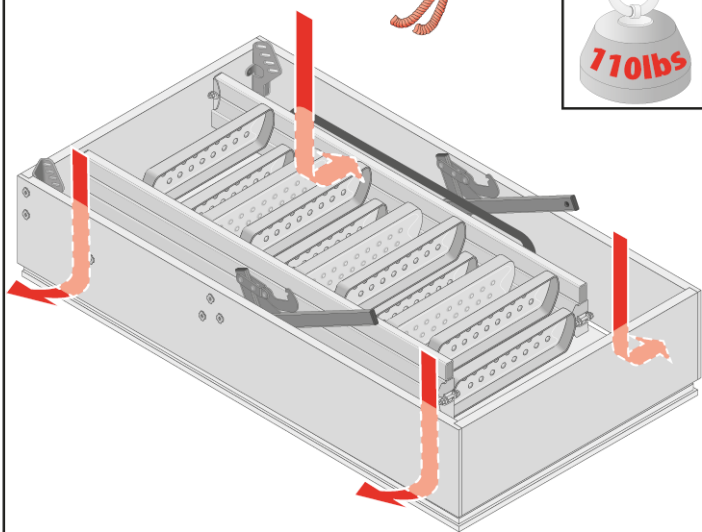
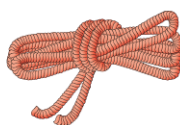
- | | |
|----|---|
| US | Raise the attic ladder frame and pull the rope through |
| ES | Eleve la caja para poder pasar la cuerda. |
| FR | Soulevez la caisse pour pouvoir faire passer le cordon. |

3



- | | |
|----|---|
| US | Attach rope loops to all four corners. Secure the ladder on temporary support boards |
| ES | Coloque cuerdas en las cuatro esquinas. Asegure la escalera sobre tablas de soporte temporales. |
| FR | Attachez des boucles de corde aux quatre coins. Sécurisez les escaliers sur des planches de soutien temporaires |

4



US

Depending on the size of the model, hook one end of the spring into the 2nd or 3th hole and attach the other end to the arm component, as shown below.

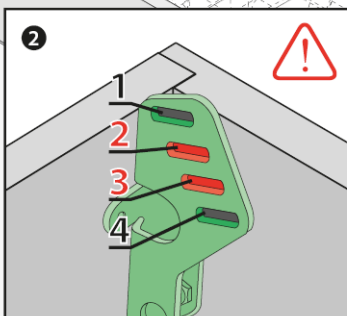
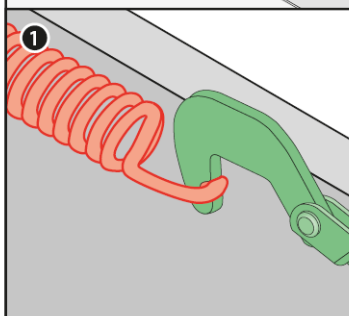
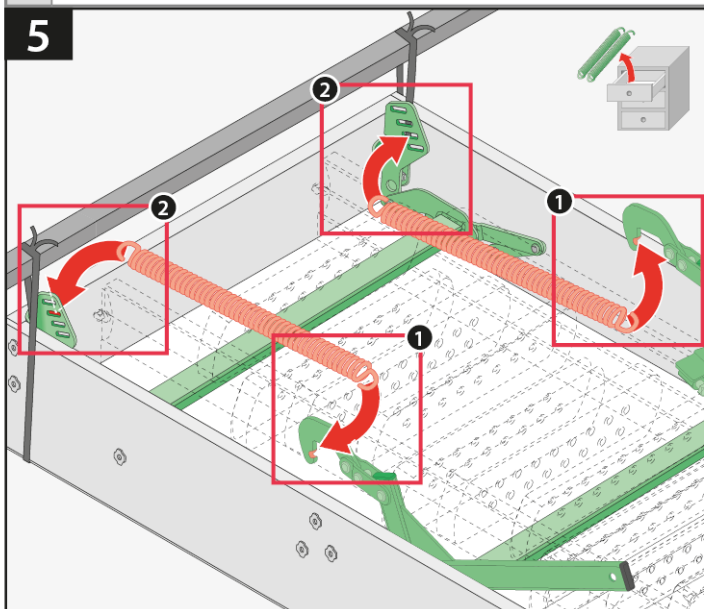
ES

Dependiendo del tamaño del modelo, enganche un extremo del soporte en el segundo o tercer hueco y sujete el otro extremo al componente del brazo, como se muestra a continuación.

FR

Selon la taille du modèle, accrochez une extrémité du ressort dans le 2e ou le 3e trou et fixez l'autre extrémité à l'élément du bras comme indiqué ci-dessus.

5

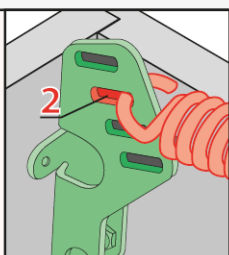


LMF60 CEILING HEIGHT BETWEEN H_{min} - H_{max}
REQUIRED R.O. **A" x B"**

NR. ART. **869235**
INFO: www.fakrousa.com, www.fakro.de

~ xx lbs W = xxx
~ xx m L = xxx

A x B	
25"	x 54"
30"	x 54"

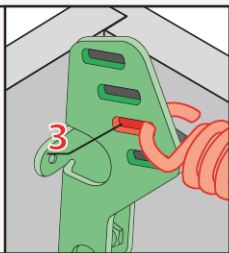


LMF60 CEILING HEIGHT BETWEEN H_{min} - H_{max}
REQUIRED R.O. **A" x B"**

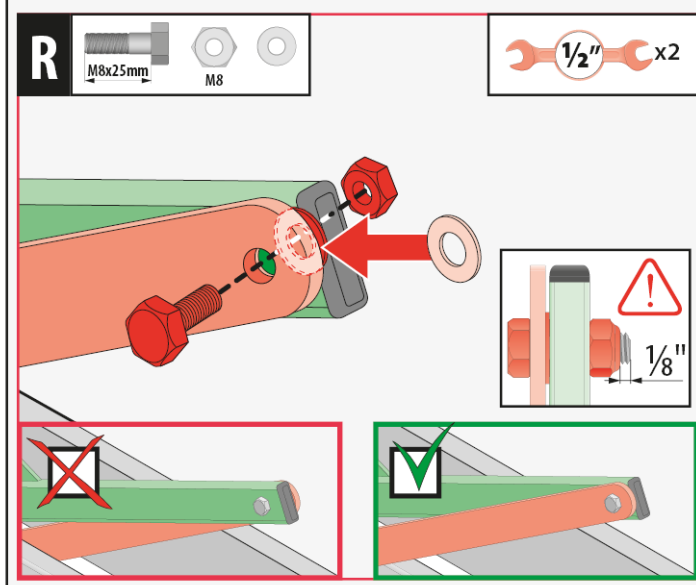
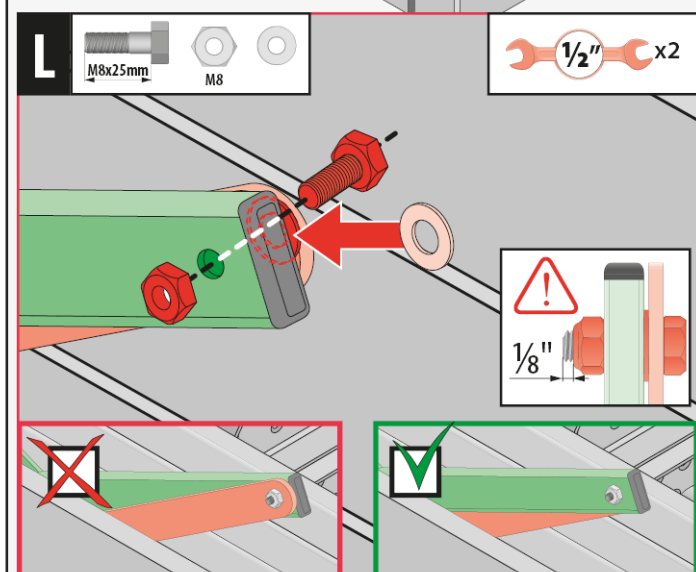
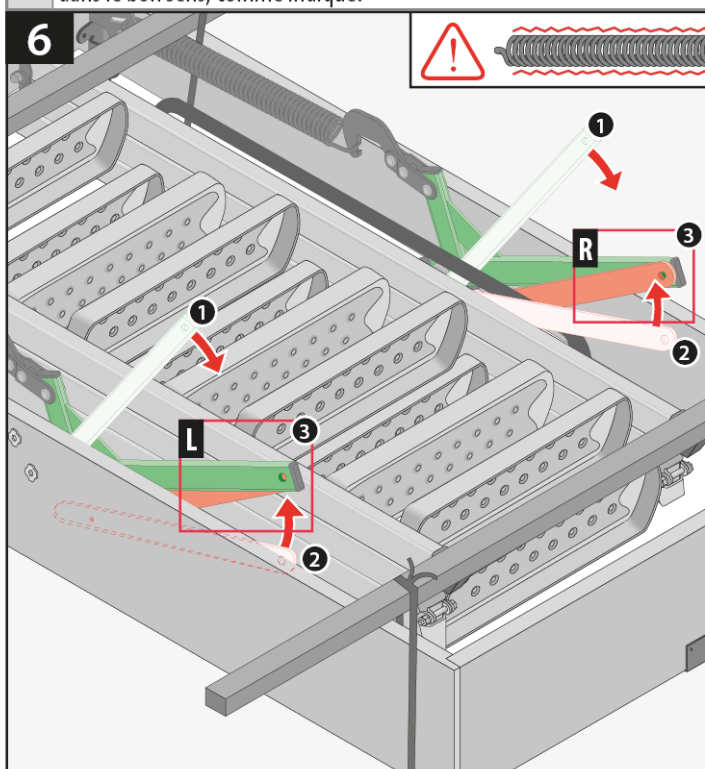
NR. ART. **869235**
INFO: www.fakrousa.com, www.fakro.de

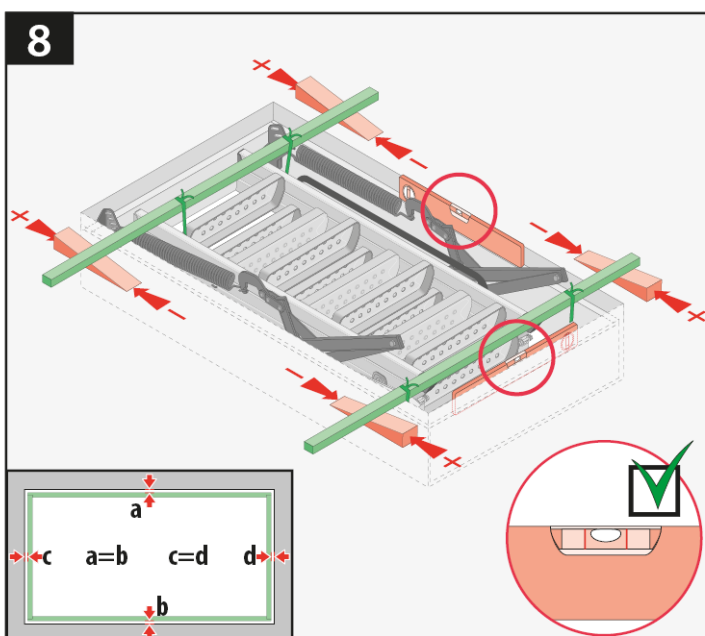
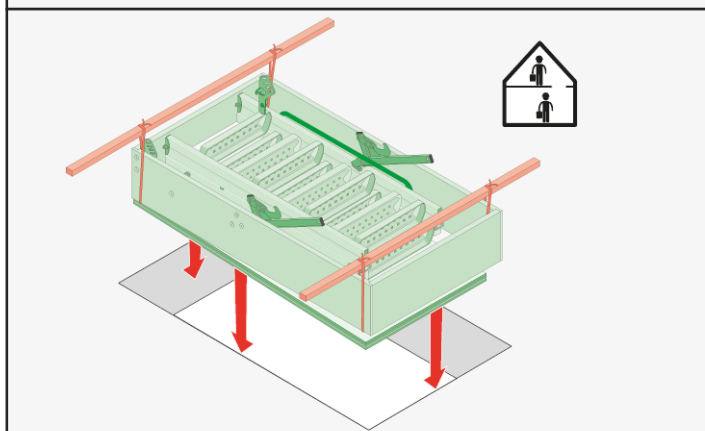
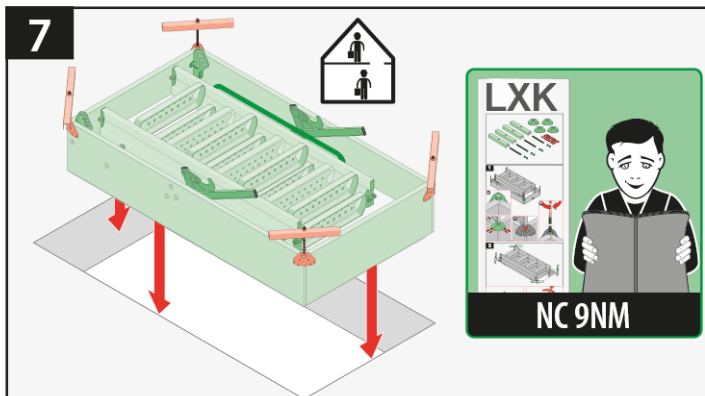
~ xx lbs W = xxx
~ xx m L = xxx

A x B	
22 1/2"	x 54"

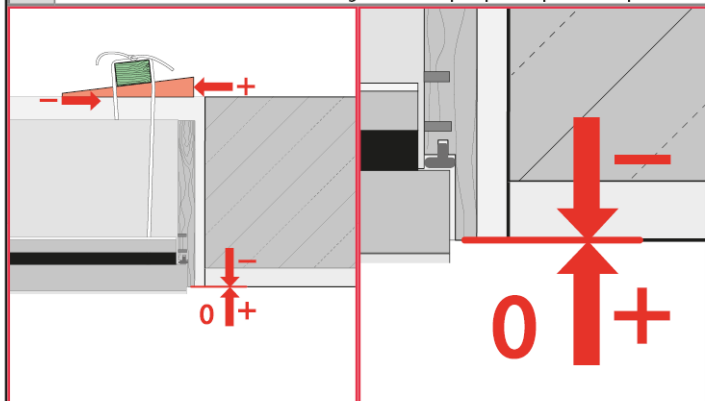


US	Assemble the arms, ensuring the bolts are positioned in the correct direction, as shown below.
ES	Monte los brazos, asegurándose de que los pernos estén colocados en la dirección correcta, tal como se muestra.
FR	Assemblez les bras en vous assurant que les boulons sont positionnés dans le bon sens, comme indiqué.

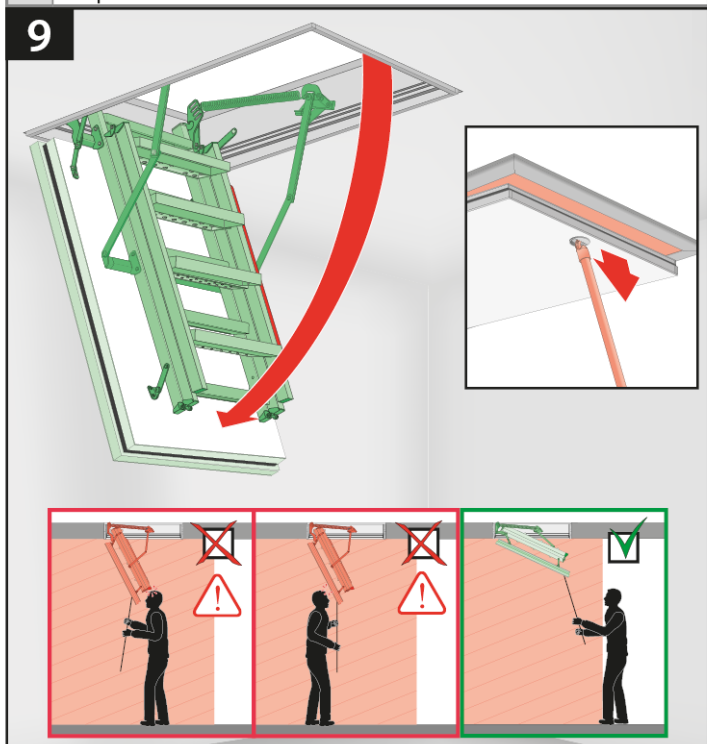




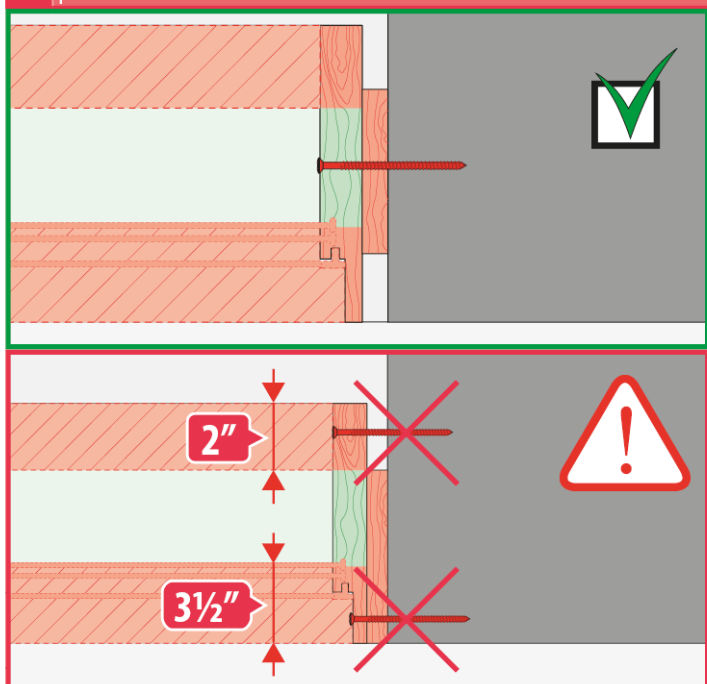
US	Use shims to level the ladder. Ensure the edge of the ladder frame aligns with the ceiling drywall
ES	Utilice cuñas para nivelar la escalera. Asegúrese de que el borde del marco de la escalera esté alineado con el techo de la estancia.
FR	Utilisez des cales pour mettre l'escalier à niveau. Assurez-vous que le bord du cadre de l'escalier est aligné avec la plaque de plâtre du plafond.

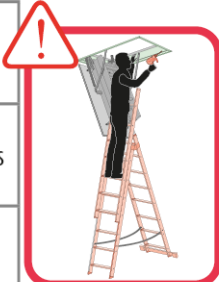


US	Fully open the door. WARNING: Do not climb the ladder until it is fully anchored to the rough opening.
ES	Abra completamente la trampilla. ADVERTENCIA: No suba a la escalera hasta que esté completamente anclada al hueco de apertura.
FR	Ouvrez entièrement la trappe. ATTENTION: Ne montez pas sur l'échelle tant qu'elle n'est pas complètement fixée dans l'ouverture.

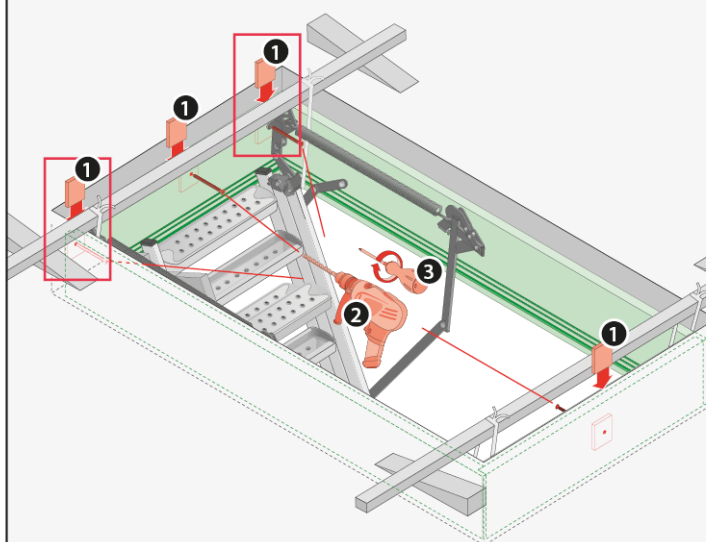
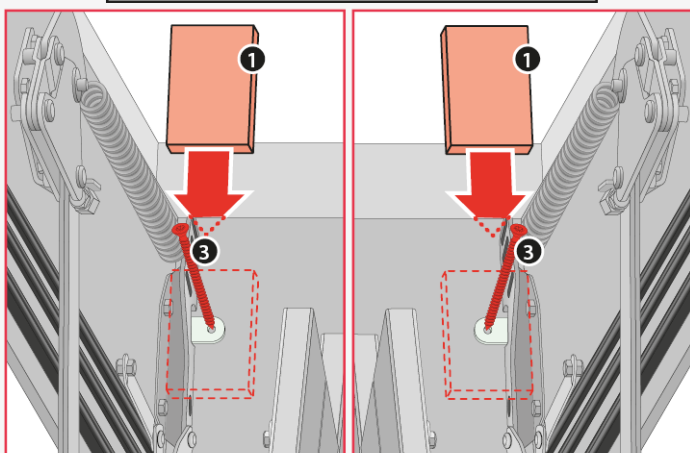


US	The attic ladder must not be used unless they are fully anchored to the ceiling in accordance with the following instructions
ES	Las escaleras no deben utilizarse a menos que estén totalmente ancladas al techo de acuerdo con las siguientes instrucciones
FR	FR Les escaliers ne doivent pas être utilisés s'ils ne sont pas entièrement fixés au plafond conformément aux instructions suivantes.

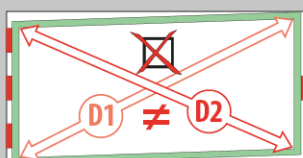
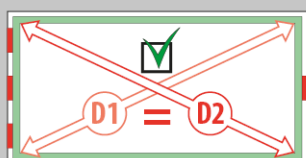


US	1 – Place shims for alignment 2 – Drill holes at marked points 3 – Insert and tighten screws	
ES	1 – Coloque los tacos para la alineación 2 – Realice los taladros en los puntos marcados 3 – Inserte y apriete los tornillos	
FR	1 – Placez des cales pour l'alignement 2 – Percez des trous aux points marqués 3 – Insérez et serrez les vis	

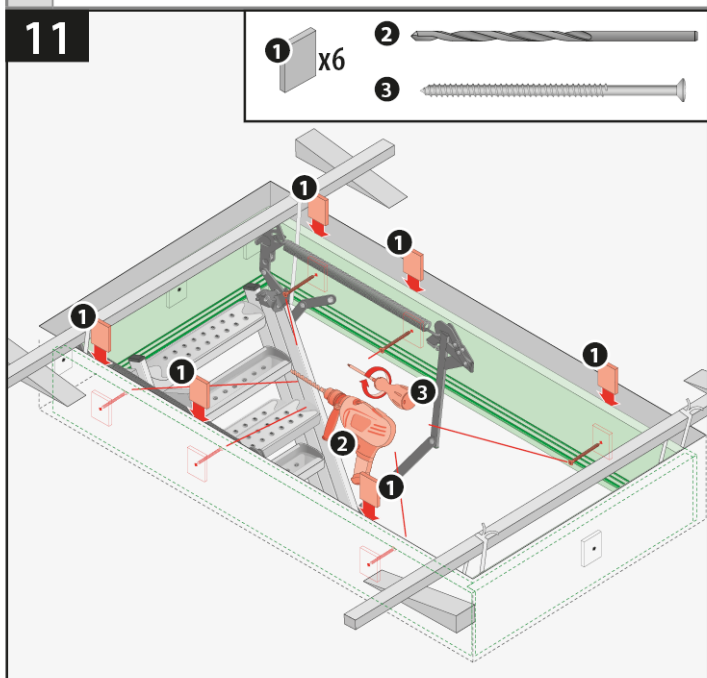
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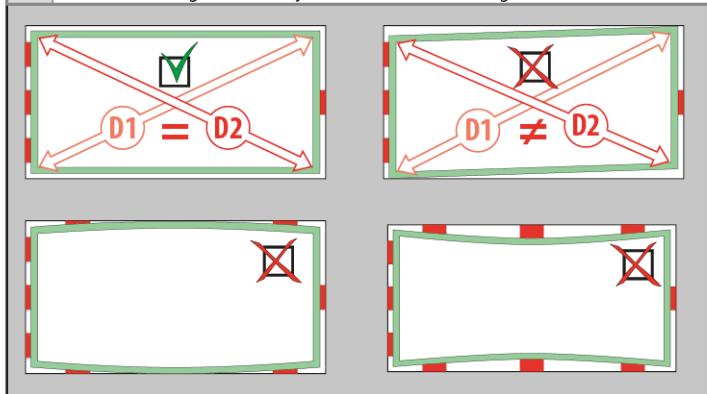
US	Check diagonals and adjust installation screws if necessary
ES	Compruebe las diagonales y ajuste los tornillos de instalación si es necesario
FR	Vérifiez les diagonales et ajustez les vis de montage si nécessaire



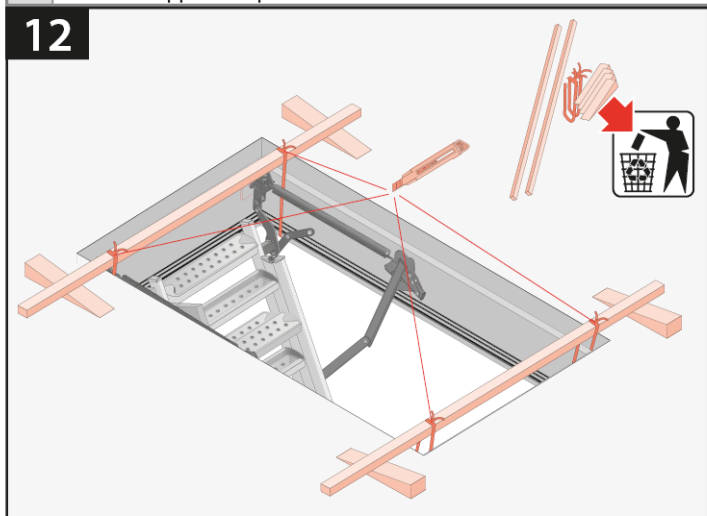
US	Use shims with all installation screws to prevent the frame from bowing
ES	Use cuñas con todos los tornillos de instalación para evitar que el cajón se deforme.
FR	Utilisez des cales avec toutes les vis de fixation pour éviter que le cadre ne se courbe.



US	Check diagonals and adjust installation screws if necessary
ES	Compruebe las diagonales y ajuste los tornillos de instalación si es necesario
FR	Vérifiez les diagonales et ajustez les vis de montage si nécessaire

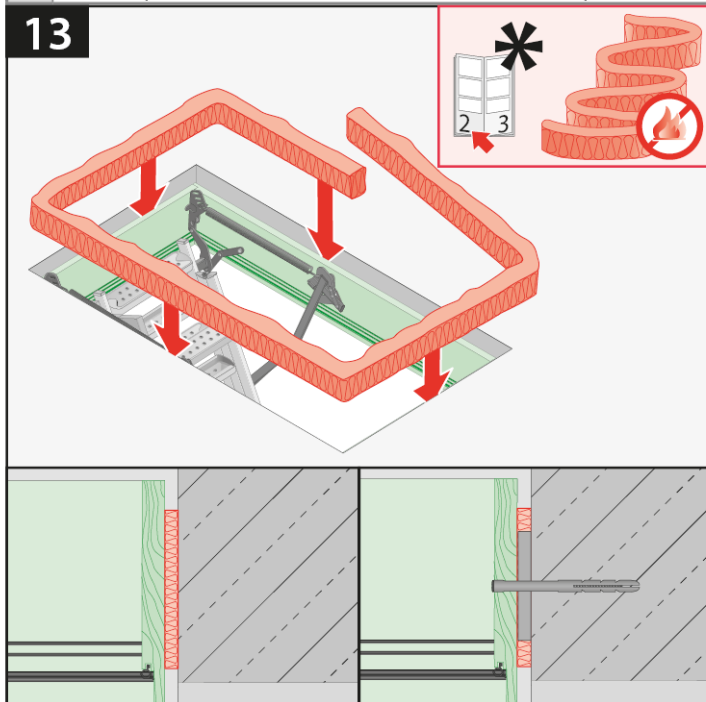


US	Remove the temporary support
ES	Retire el soporte temporal
FR	Retirez le support temporaire



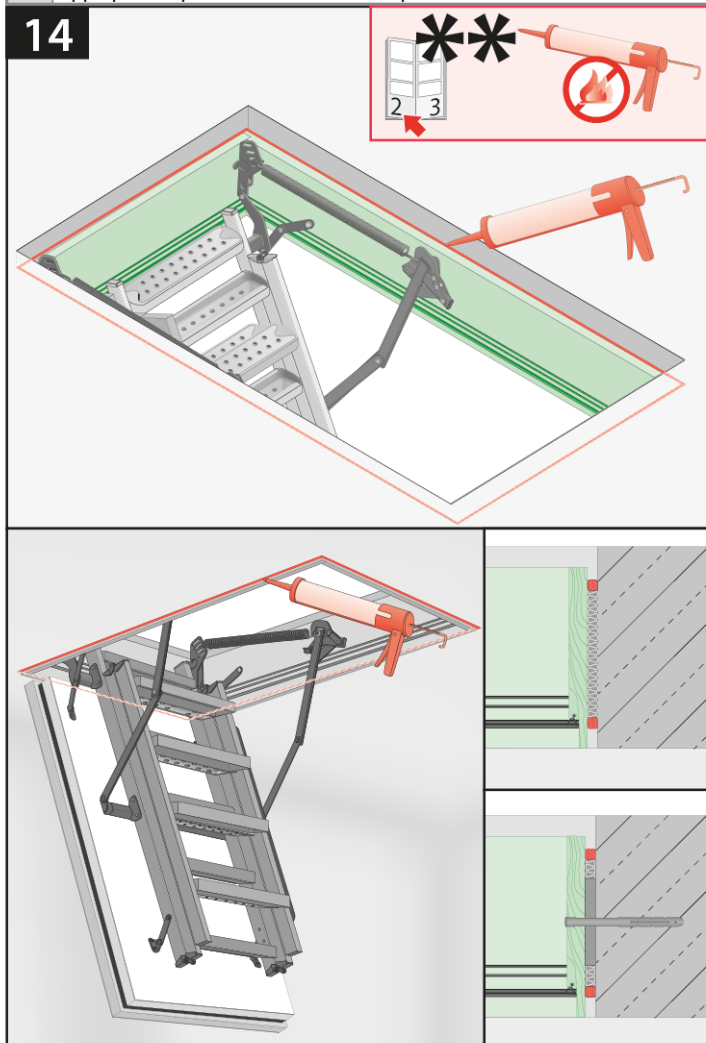
US	Insulate the gap between the ladder frame and the rough opening framing
ES	Aísle el espacio entre el marco de la escalera y el hueco en el cual se instalará la escalera.
FR	Isolez l'espace entre le cadre de l'escalier et l'ouverture du plafond

13

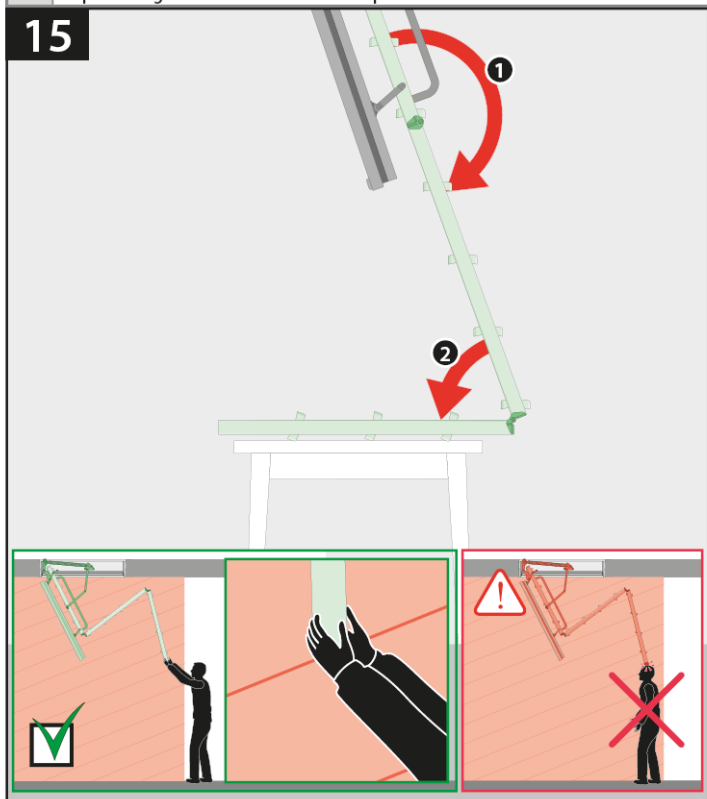


US	Apply fire barrier sealant at the top and bottom of the frame.
ES	Aplique sellador de barrera contra incendios en la parte superior e inferior del marco.
FR	Appliquez un produit d'étanchéité coupe-feu en haut et en bas du cadre.

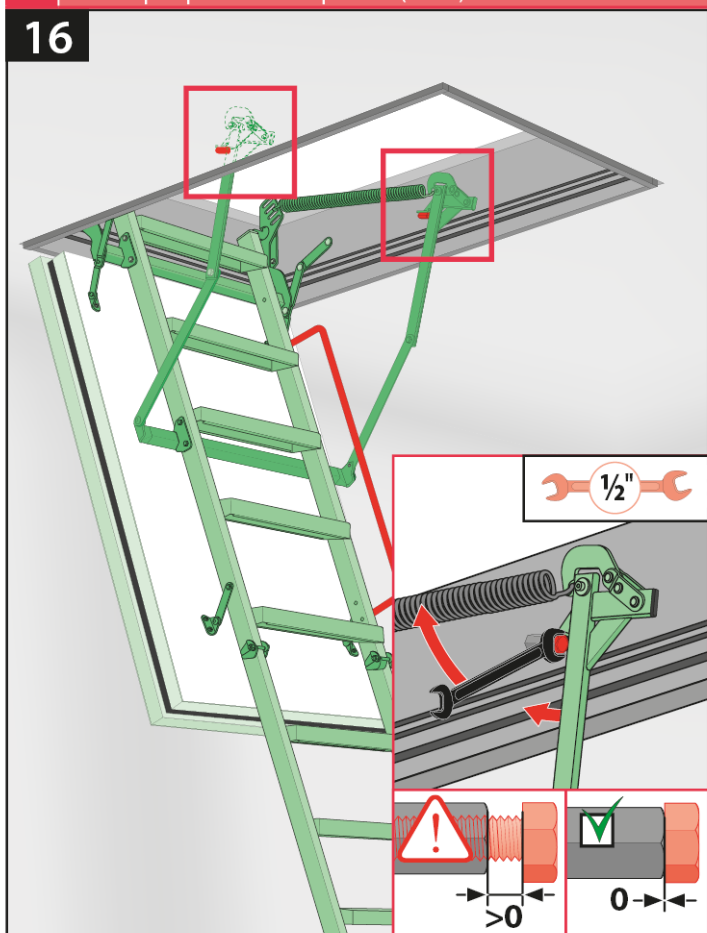
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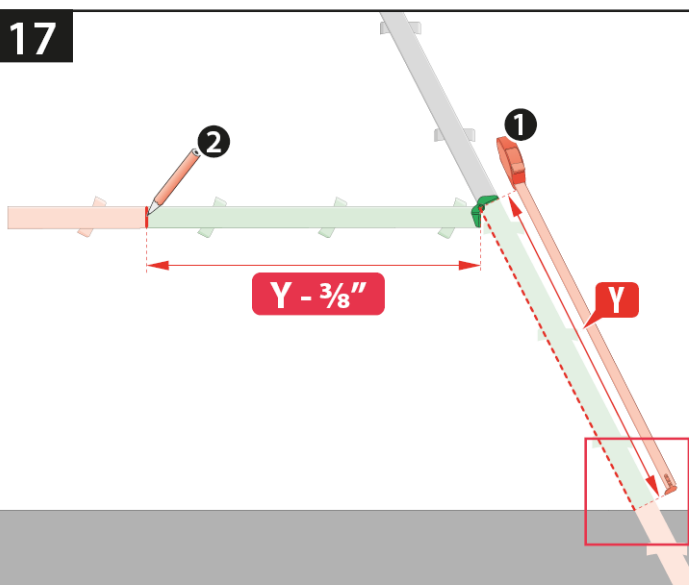
US	Carefully unfold the ladder, bending the last section backward
ES	Despliegue con cuidado la escalera, doblando el último tramo hacia atrás.
FR	Dépliez soigneusement l'échelle en pliant la dernière section vers l'arrière



US	Before cutting the ladder, check whether the adjustment screw is screwed in as far as possible (0 mm)
ES	Antes de cortar la escalera, compruebe si el tornillo de ajuste está apretado al máximo (0 mm)
FR	Avant de couper l'échelle, vérifiez si la vis de réglage est vissée le plus profondément possible (0 mm)



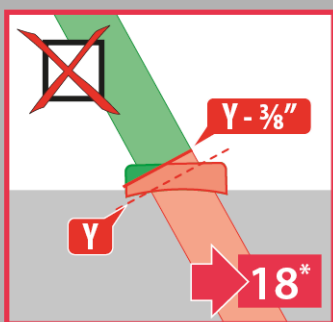
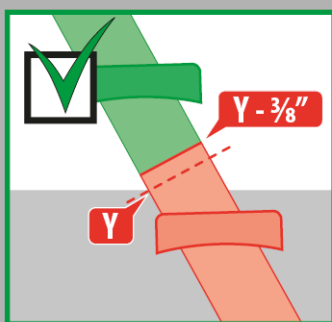
17



US Measure 'Y' as the required distance to the finished floor. Transfer the measurement to the last ladder section as shown above

ES Mida "Y" como la distancia requerida hasta el piso terminado. Transfiera la medida a la última sección de la escalera como se muestra arriba

FR Mesurez « Y » comme étant la distance requise jusqu'au sol fini. Reportez la mesure sur la dernière section de l'échelle comme indiqué ci-dessus

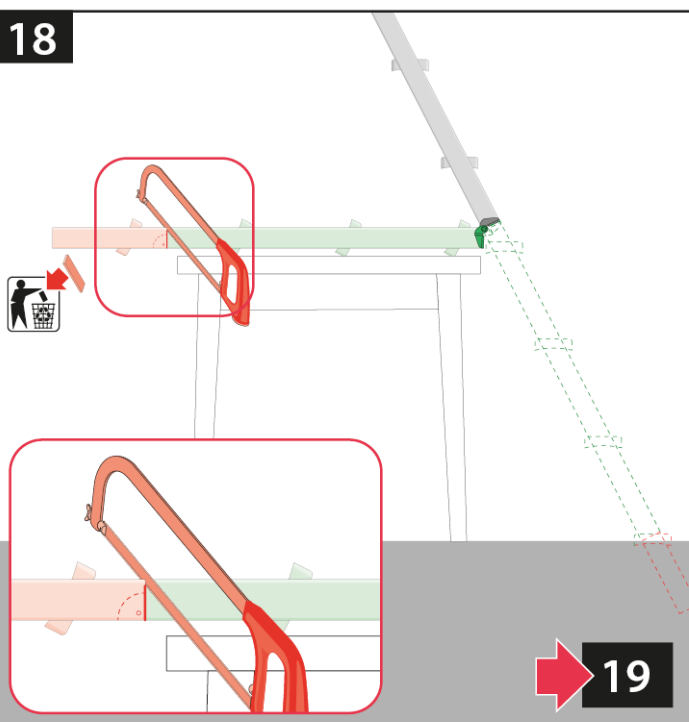


US If the cut line aligns with a ladder step, move the cut line above the step as shown in step 18*

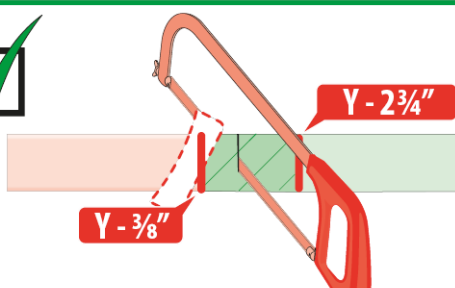
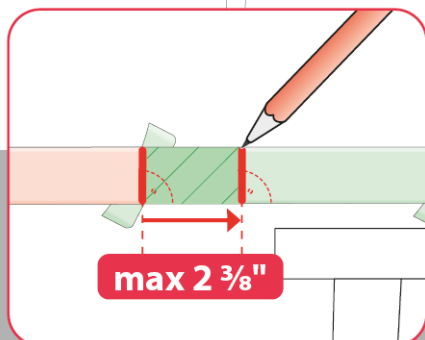
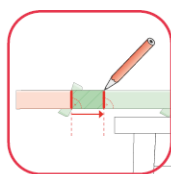
ES Si la línea de corte se alinea con un escalón de escalera, mueva la línea de corte por encima del escalón como se muestra en el paso 18*

FR Si la ligne de découpe se trouve au niveau d'une marche d'escalier, déplacez la ligne de découpe au-dessus de la marche, comme indiqué à l'étape 18*

18



18*



US

After cutting the ladder to the required height, smooth the edges of the cut. **CAUTION:** Sharp edges may cause injuries. Proceed with caution!.

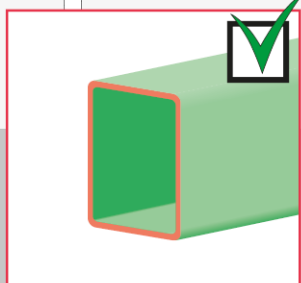
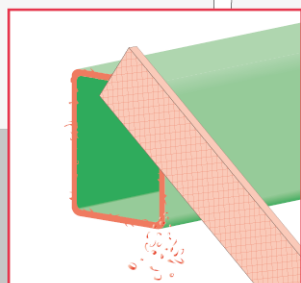
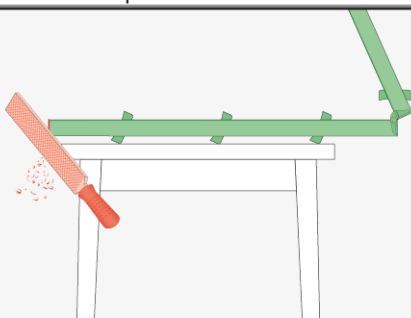
ES

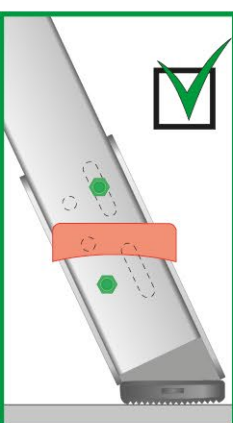
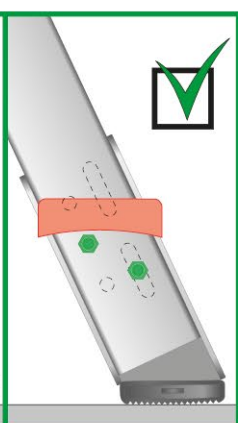
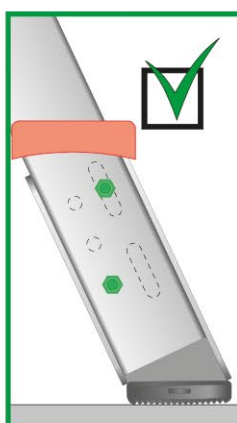
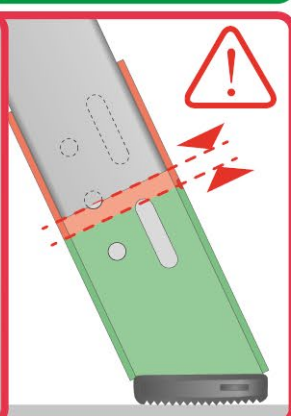
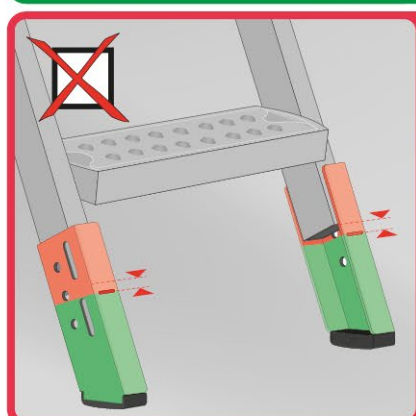
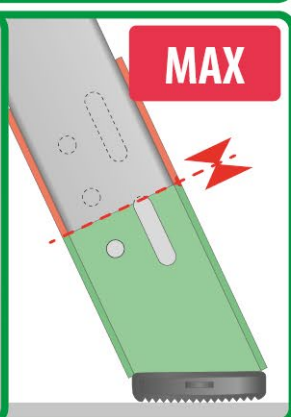
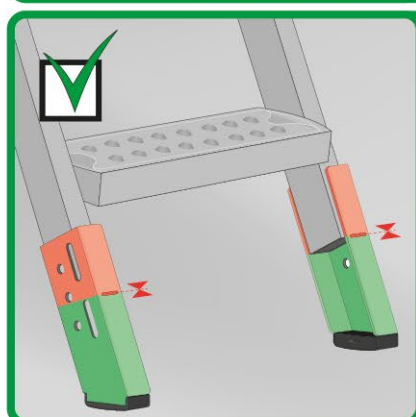
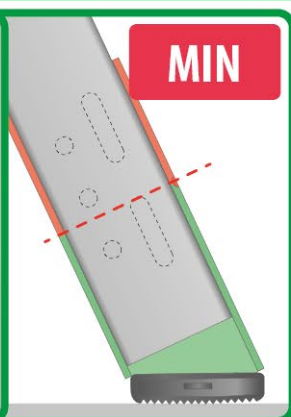
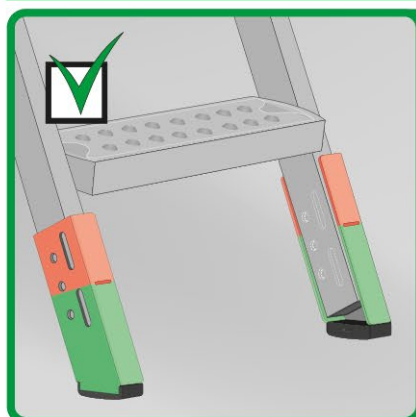
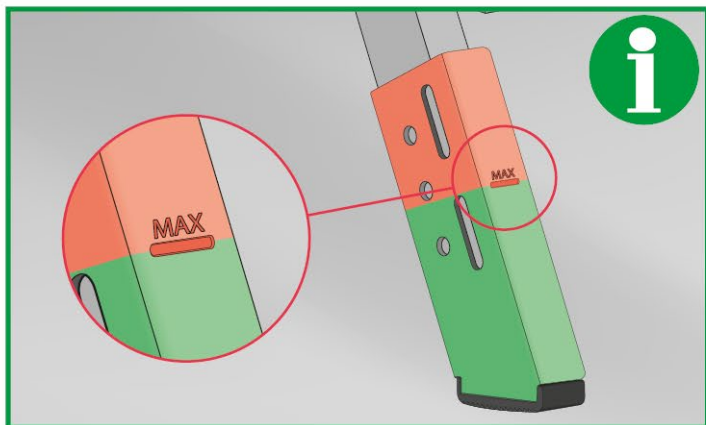
Después de cortar la escalera a la altura requerida, los bordes deben ser lijados. **NOTA:** Los bordes afilados pueden causar lesiones. Tenga mucho cuidado

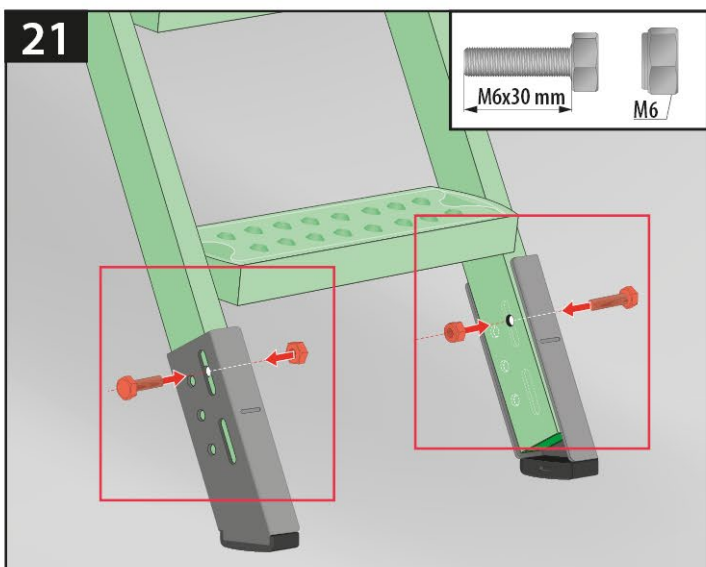
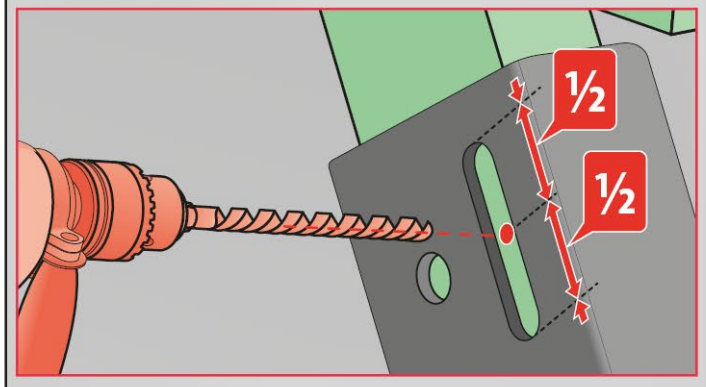
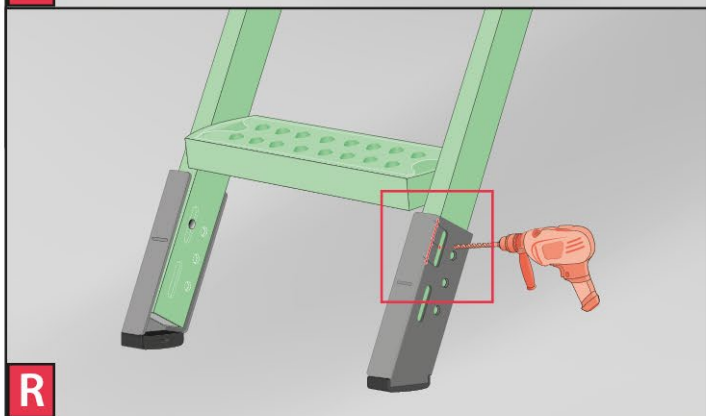
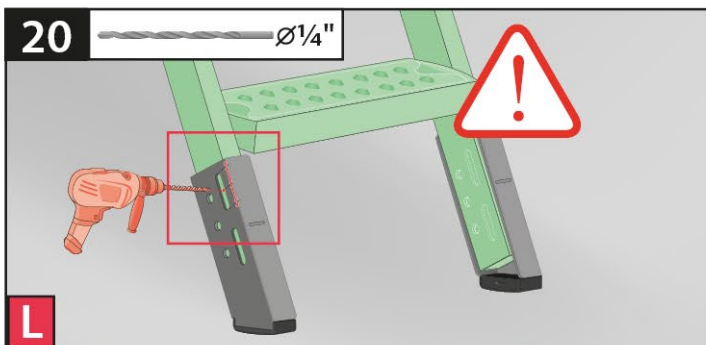
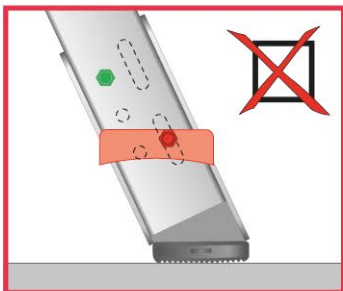
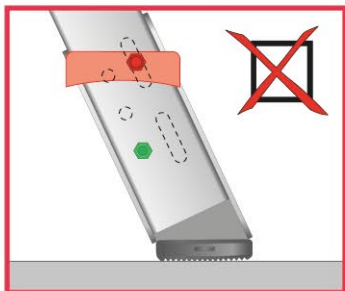
FR

Après avoir coupé l'échelle à la hauteur souhaitée, adoucir la surface de coupe. **ATTENTION:** Les bords tranchants ou rugueux peuvent causer des blessures. Procéder avec prudence!.

19

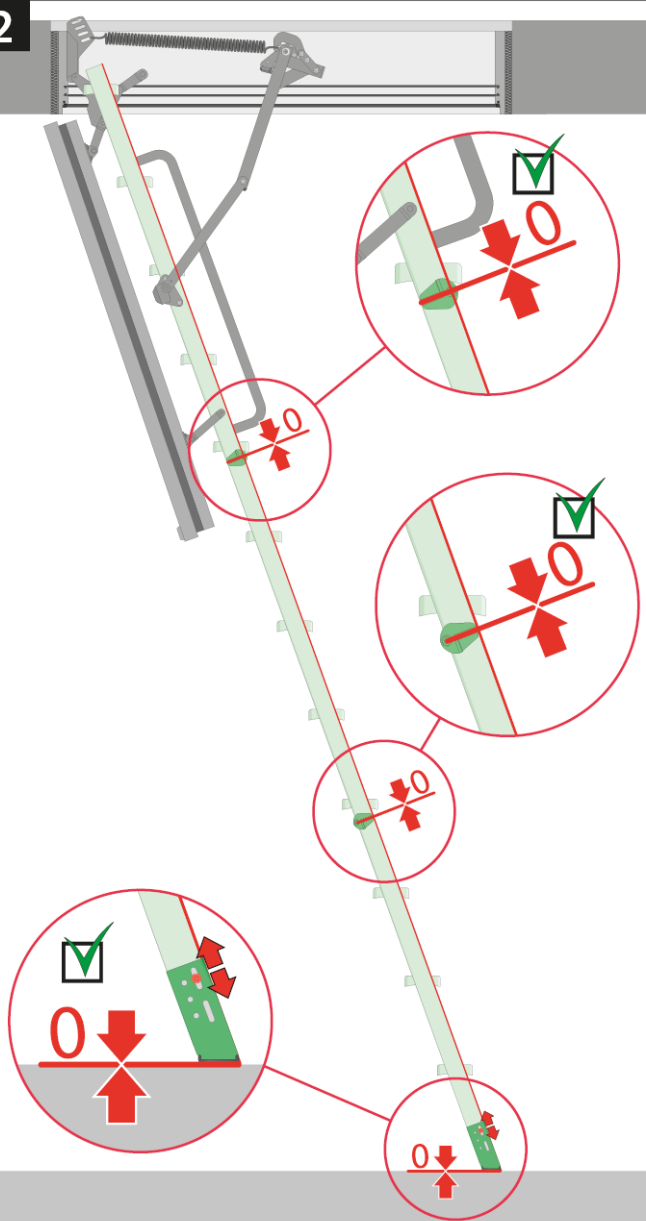






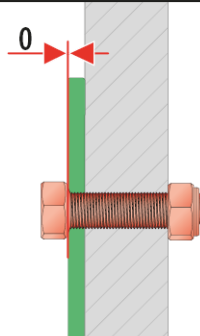
US	Adjust the end caps so that the entire ladder forms a straight line, then tighten the screws securely.
ES	Ajuste los toques finales de modo que toda la escalera forme una línea recta, luego apriete los tornillos de forma segura.
FR	Ajustez les embouts de manière à ce que l'échelle entière forme une ligne droite, puis serrez fermement les vis.

22

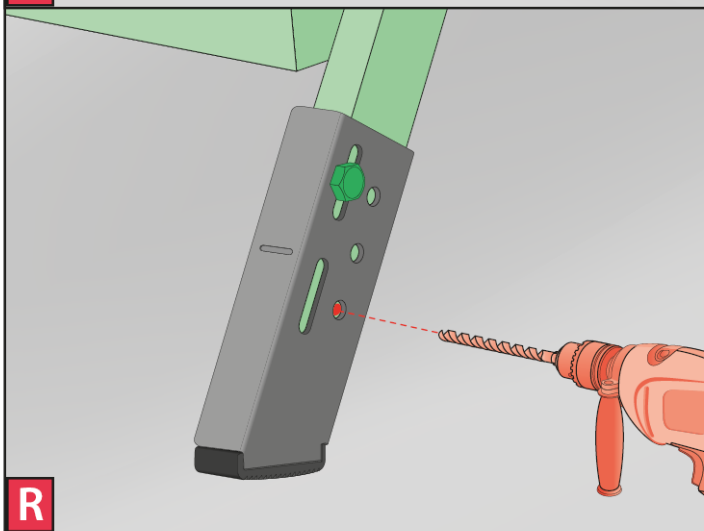
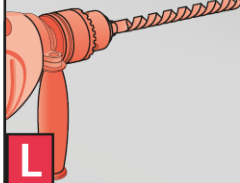


23

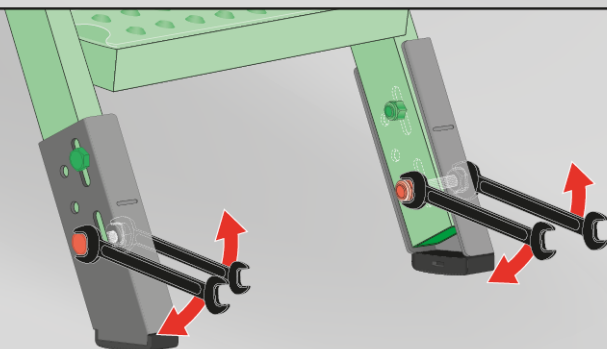
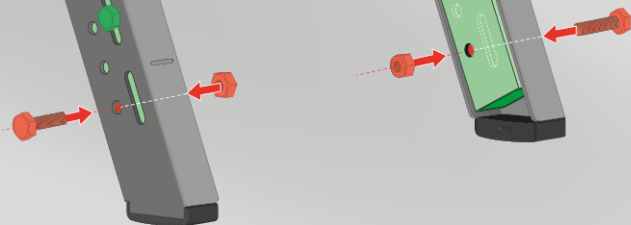
2x  3/8"



24

 Ø1/4"

25


M6x30 mm
M6

US

The bottom section must flush with the floor. Failure to proper adjustment of the ladder could result in unnecessary stress on the component parts, resulting in serious injury.

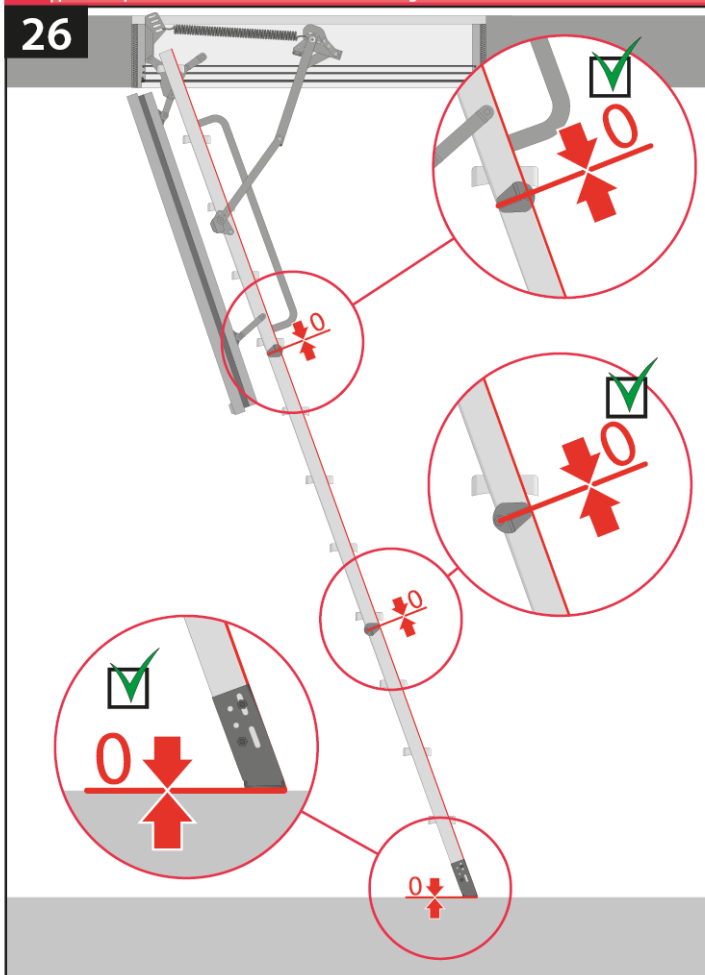
ES

La sección inferior debe estar a ras del piso. Si no se ajustan correctamente los pies de la escalera podría producirse un esfuerzo innecesario en los componentes, y esto puede resultar en lesiones graves.

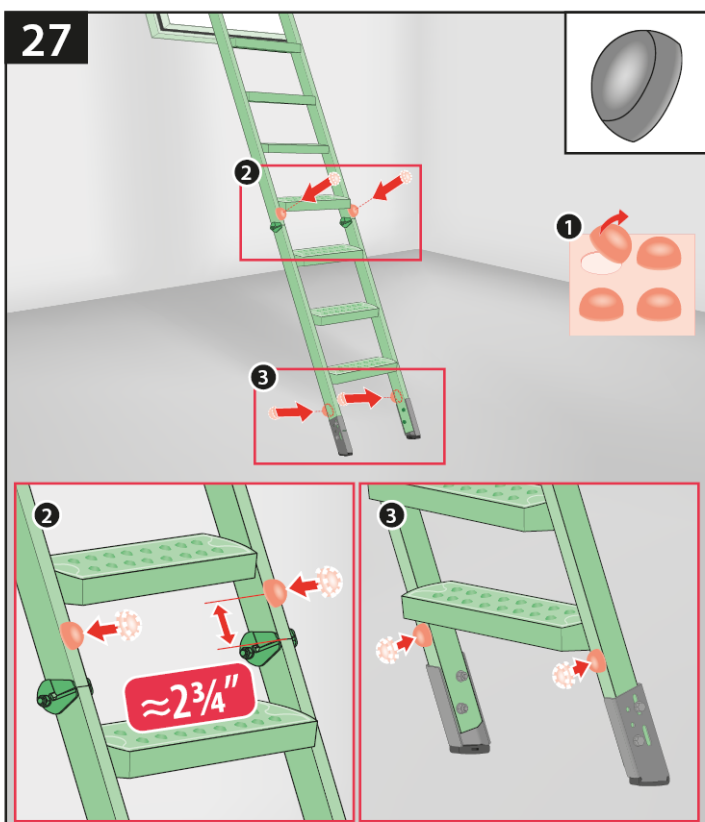
FR

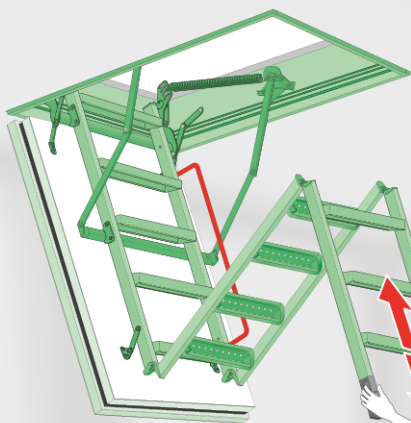
La section du bas doit archevêtrer pile au plancher. Un réglage incorrect des pieds de l'échelle peut générer des contraintes superflues sur les pièces, pouvant entraîner une blessure grave.

26



27

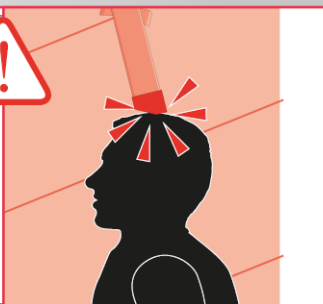
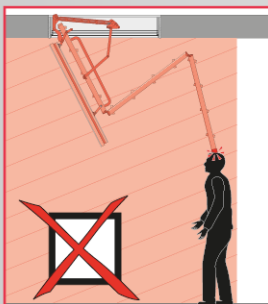
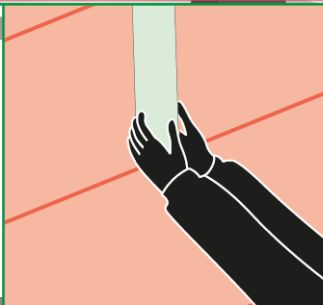
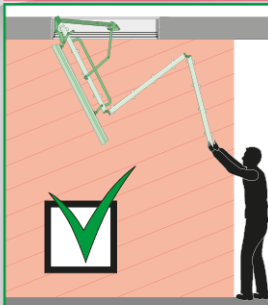




US Always use both hands while folding and unfolding the ladder.

ES Siempre use ambas manos mientras plegar y desplegar la escalera.

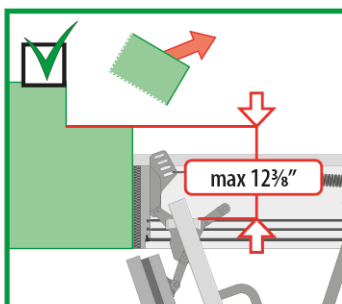
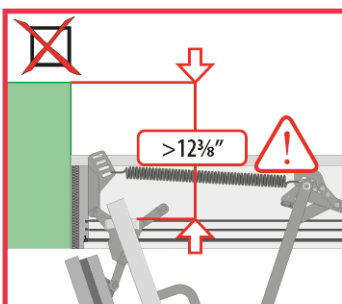
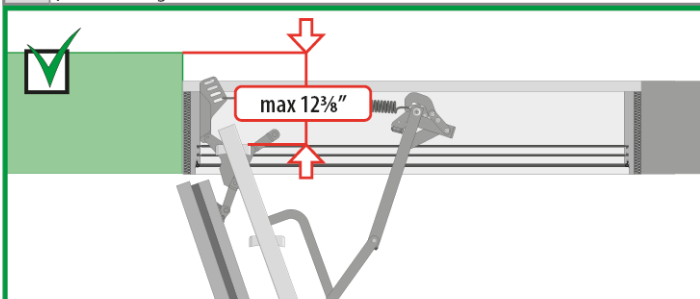
FR Utilisez toujours les deux mains pour ouvrir et fermer l'échelle.



US Maximum recommended distance from the last step to attic floor.

ES Distancia máxima recomendada desde el último escalón hasta el piso del ático.

FR Distance maximale recommandée entre la dernière marche de l'échelle et le plancher du grenier.

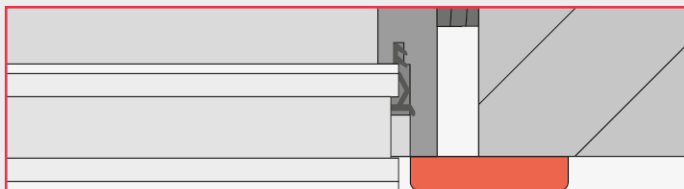
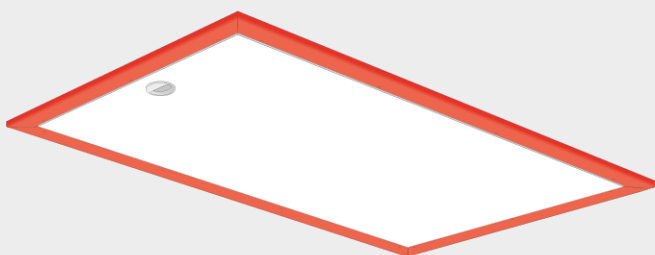




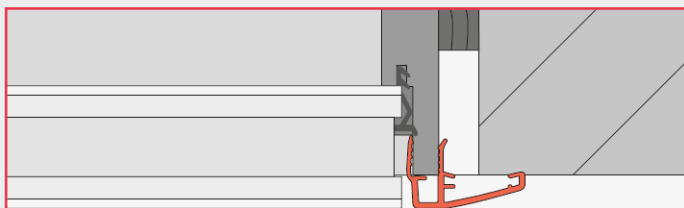
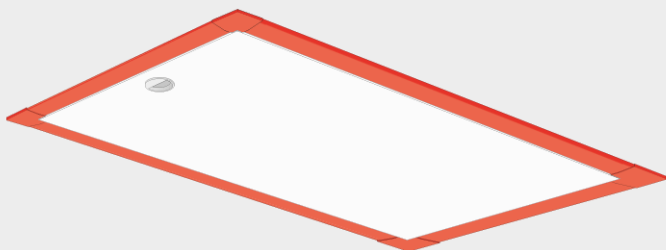
Available additional accessories

ES Accesorios adicionales disponibles.

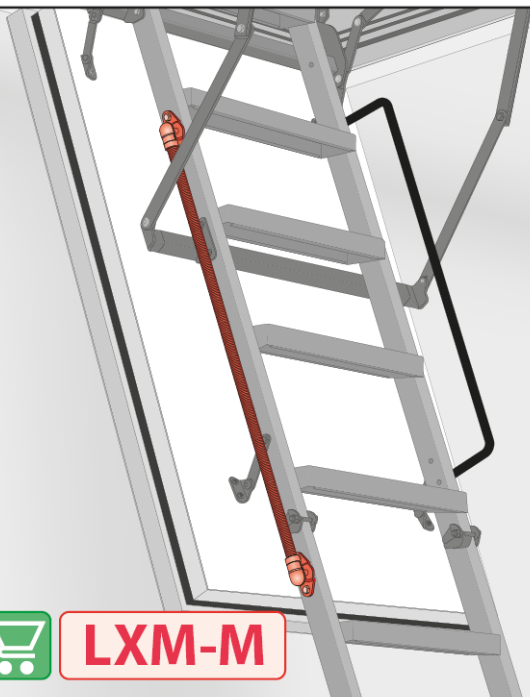
FR Accessoires supplémentaires disponibles.



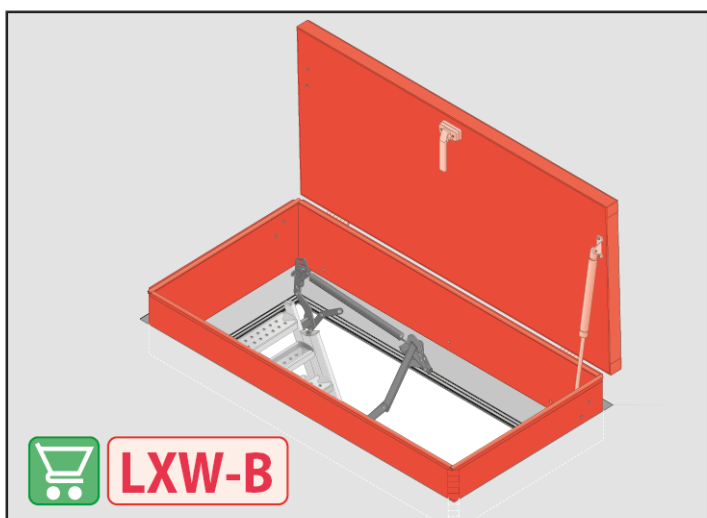
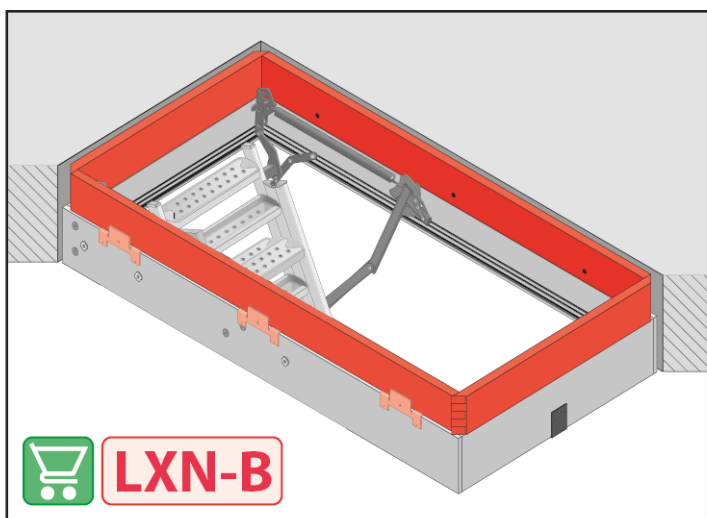
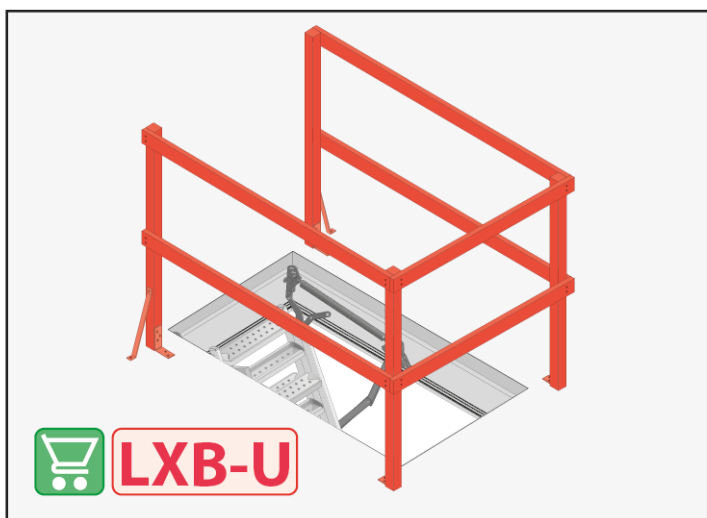
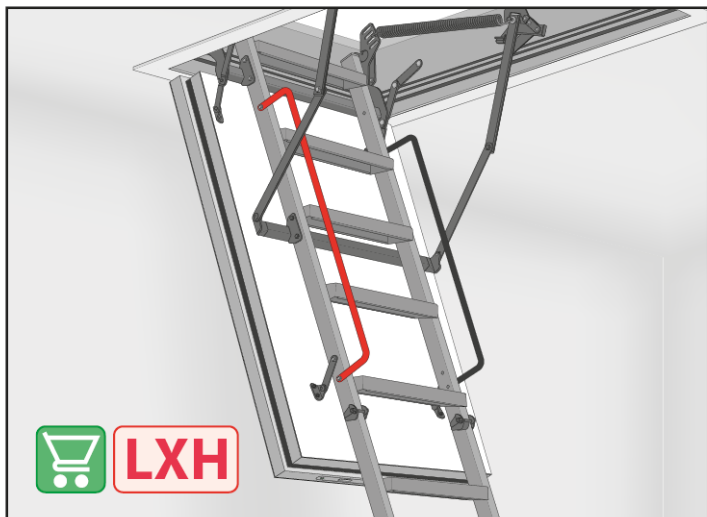
LXL-P/-W



LXL-PVC

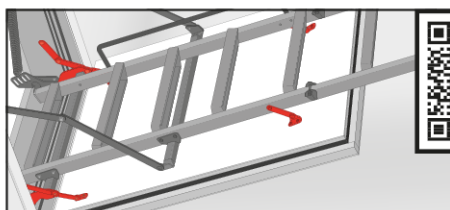
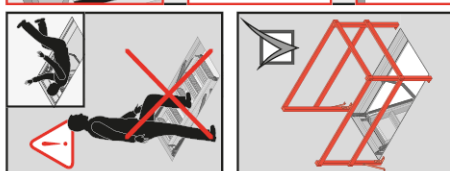
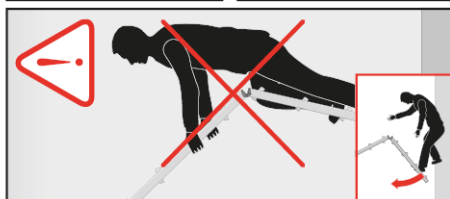
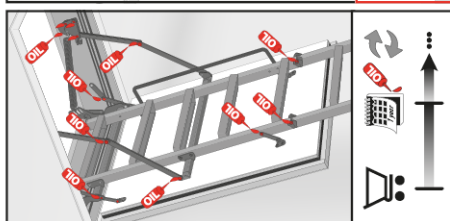


LXM-M



WARNING! - CUIDADO! - ATTENTION!

SAFETY & MAINTENANCE



US READ SAFETY INSTRUCTION BEFORE USING!

LEA LAS INSTRUCCIONES DE SEGURIDAD ANTES DE USAR!

VEUILLEZ LIRE LES DIRECTIVES DE SÉCURITÉ AVANT L'UTILISATION

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SEGURIDAD! -SÉCURITÉ!

SEGURIDAD! - SÉCURITÉ!

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