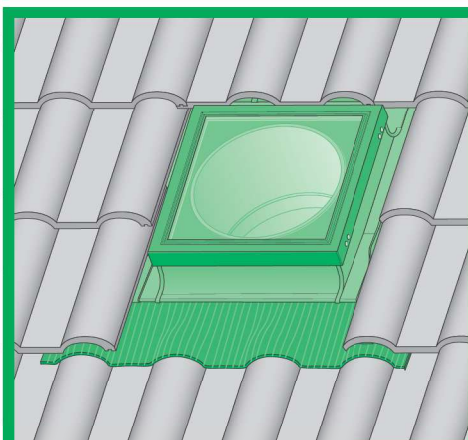
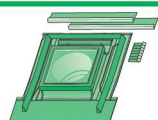




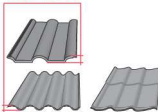
SFH SFH-L



max 120mm

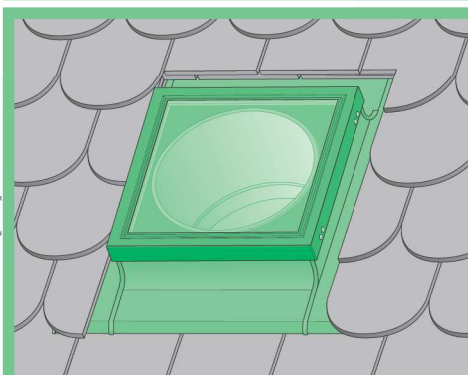


max 45mm

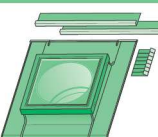
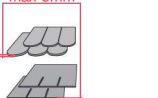


SFZ SFZ-L

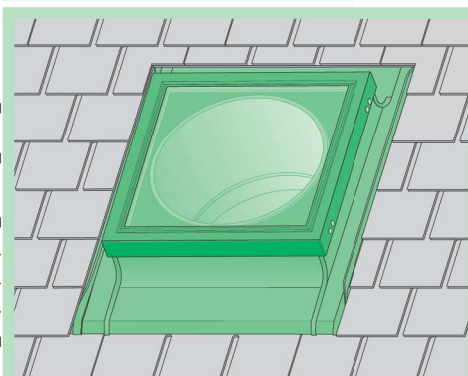
SFL SFL-L



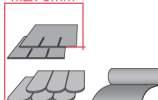
max 5mm

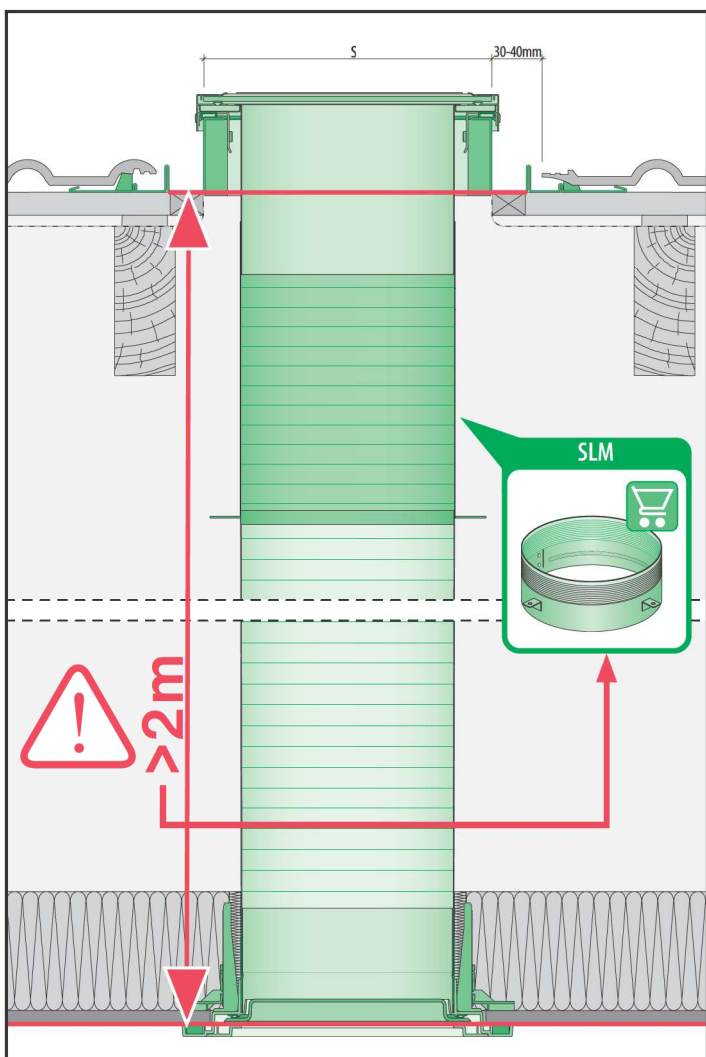
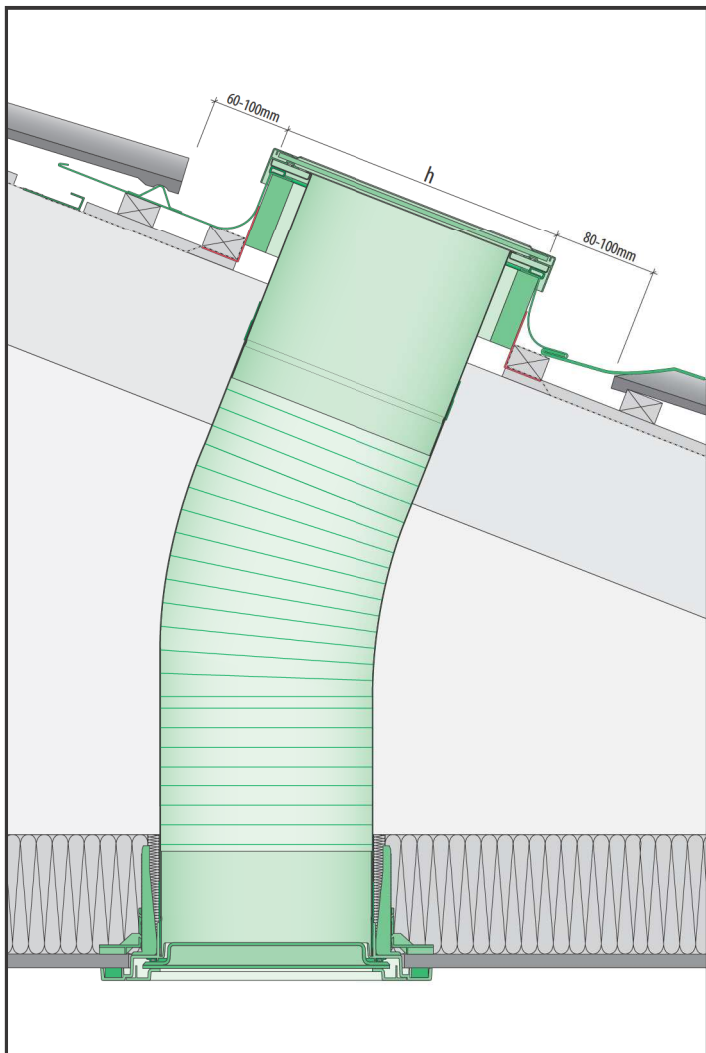


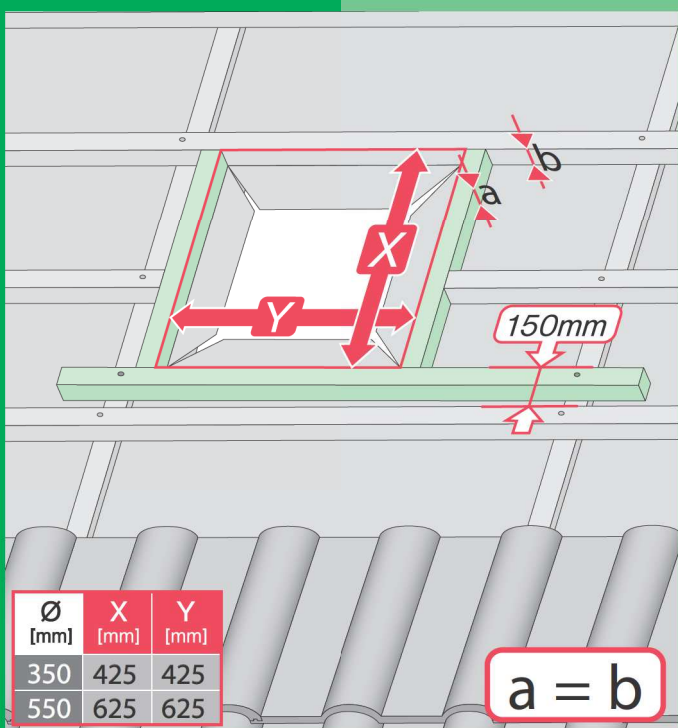
SFS SFS-L



max 5mm





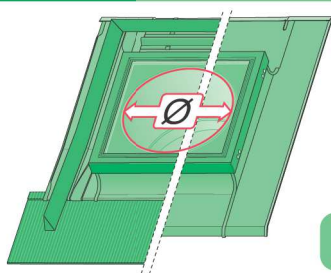


SFH

SFH-L

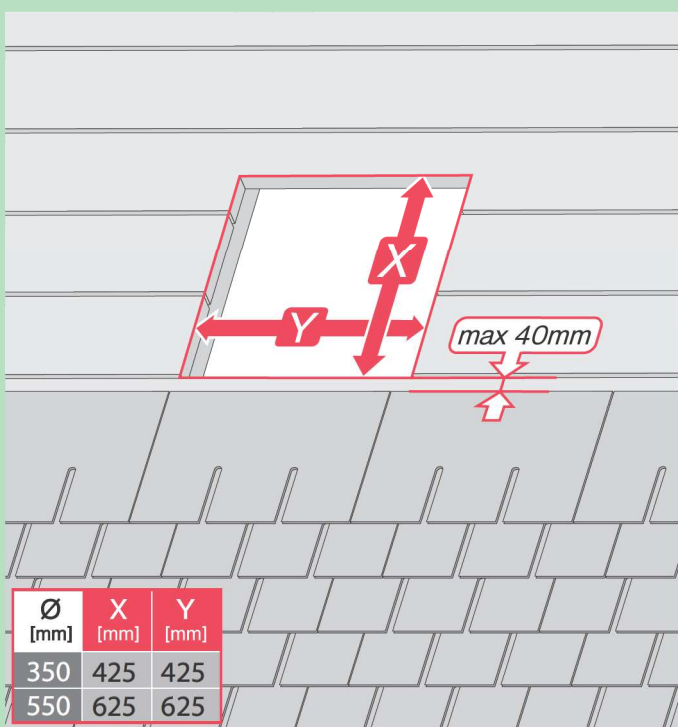
SFZ

SFZ-L



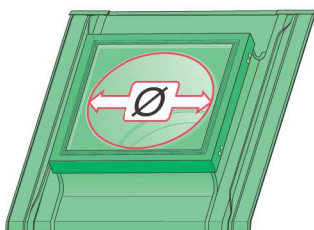
SFL

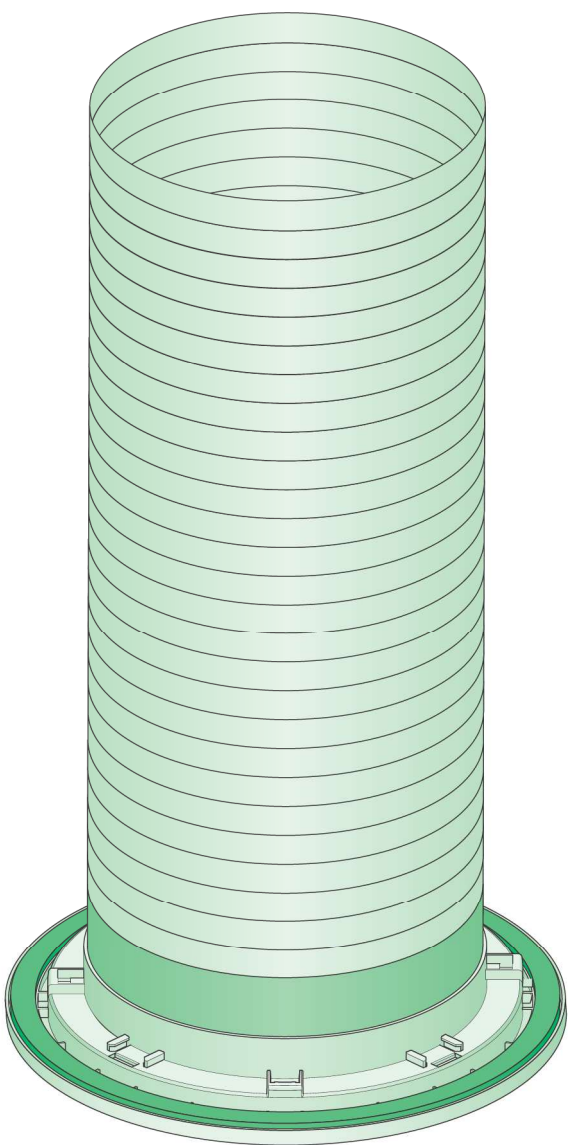
SFL-Z



SFS

SFS-L

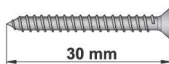
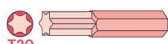
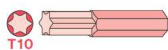
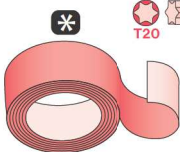
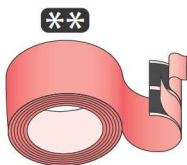
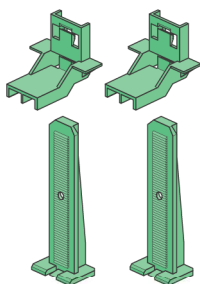
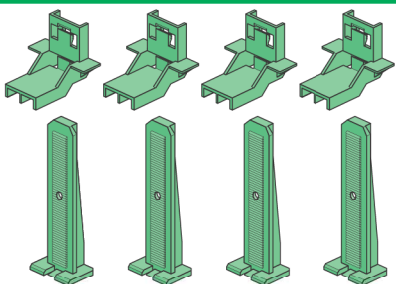




Ø 550mm

Ø 250mm

Ø 350mm

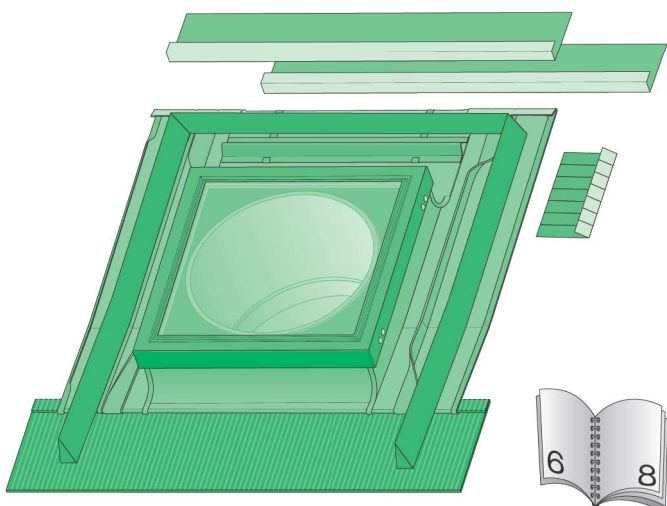


SFH

SFZ

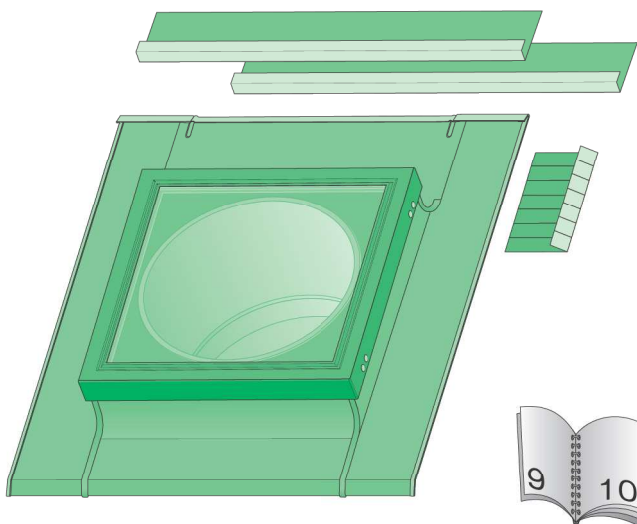
SFH-L

SFZ-L



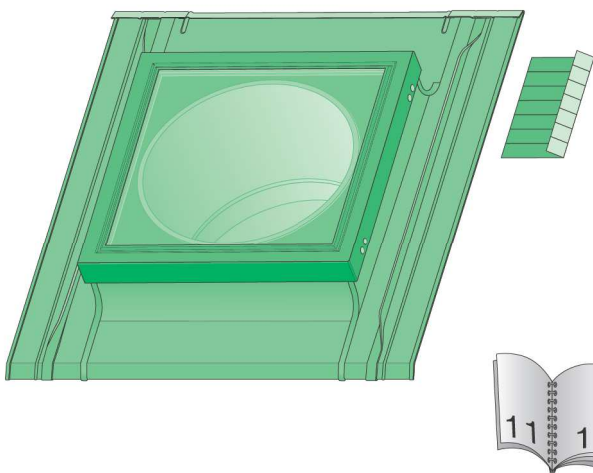
SFL

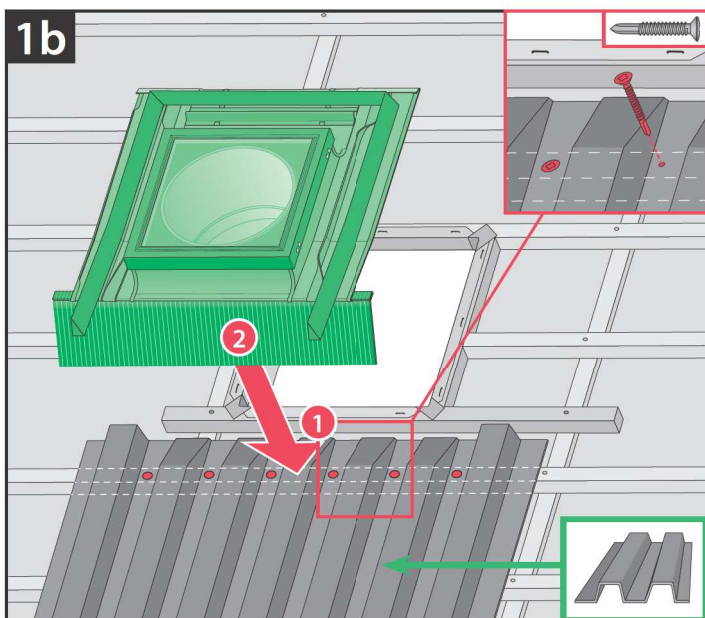
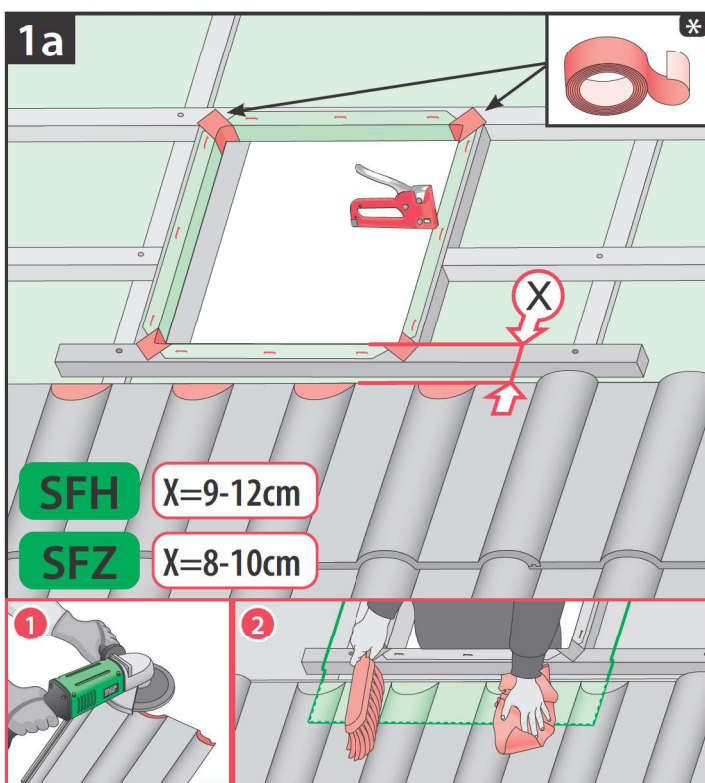
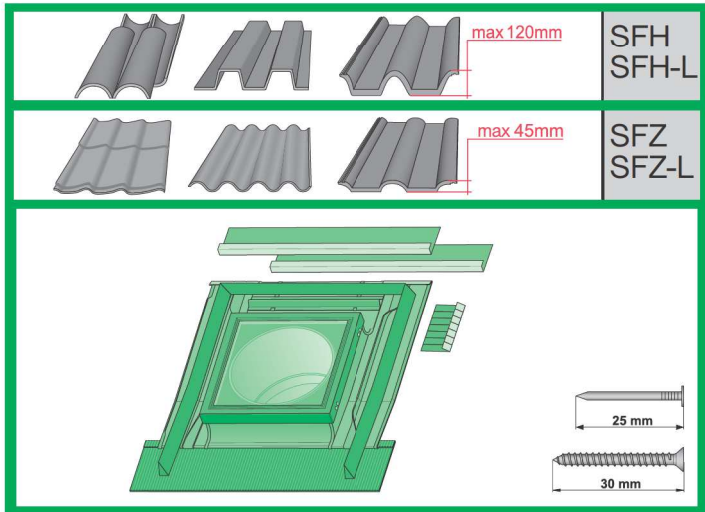
SFL-Z



SFS

SFS-L



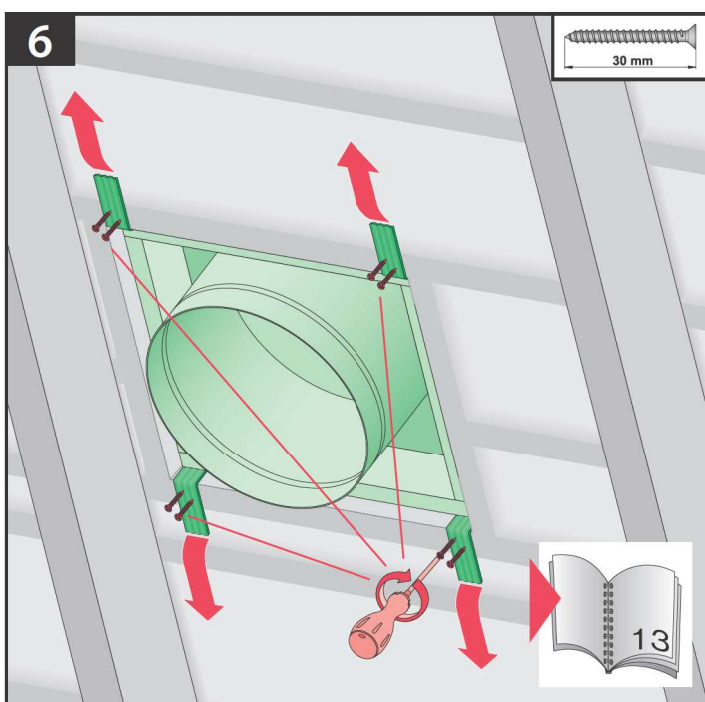
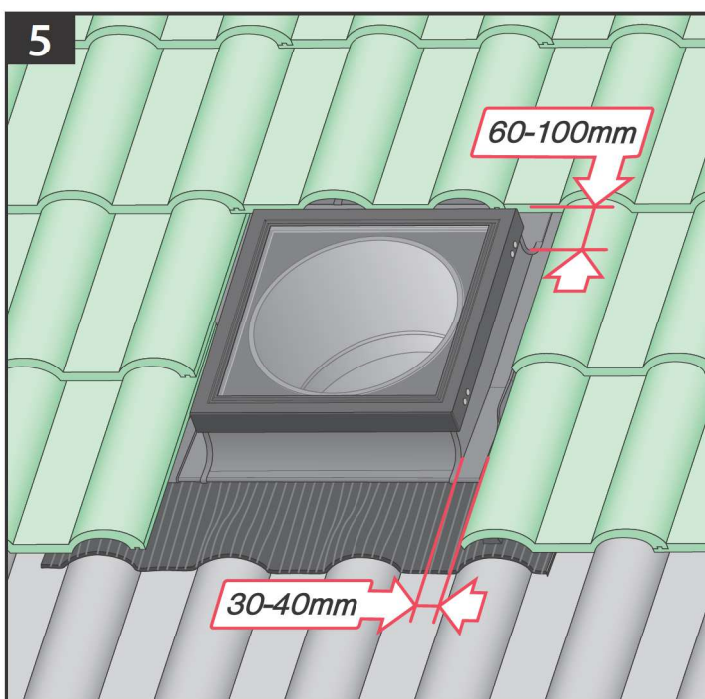
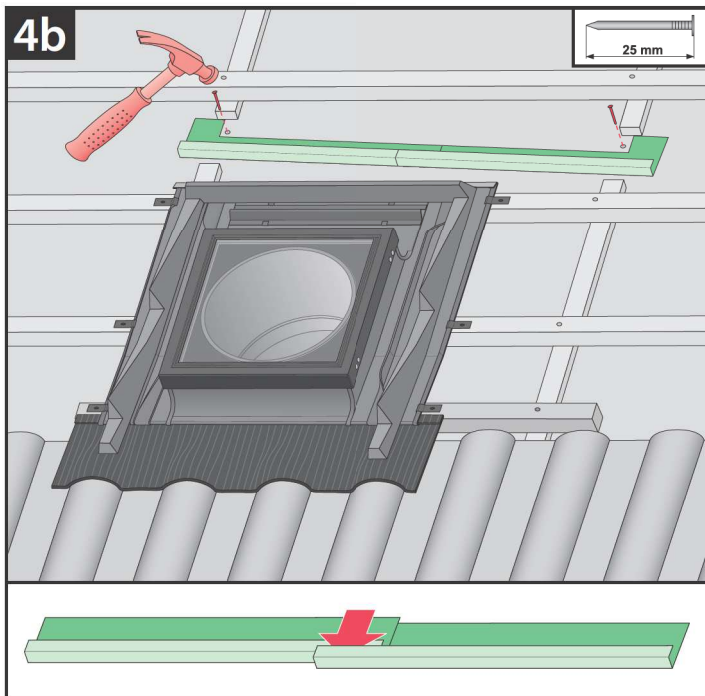


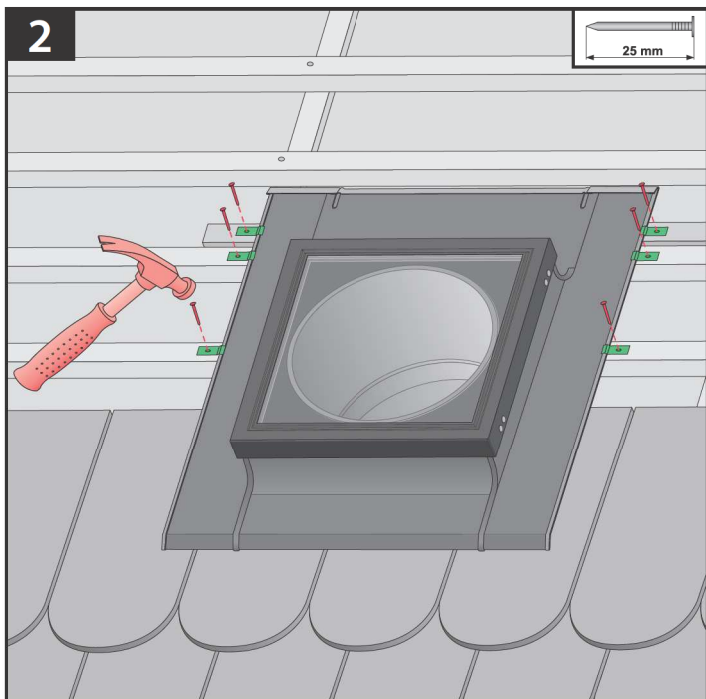
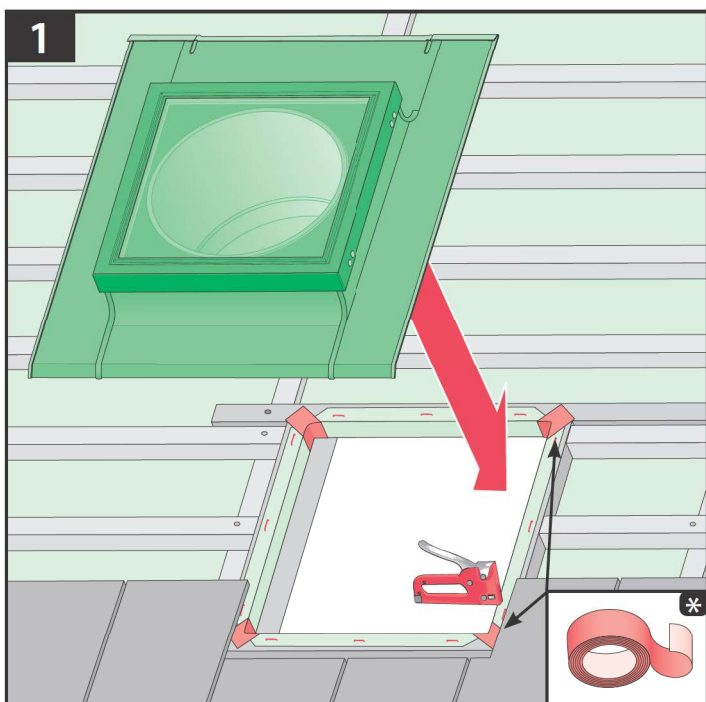
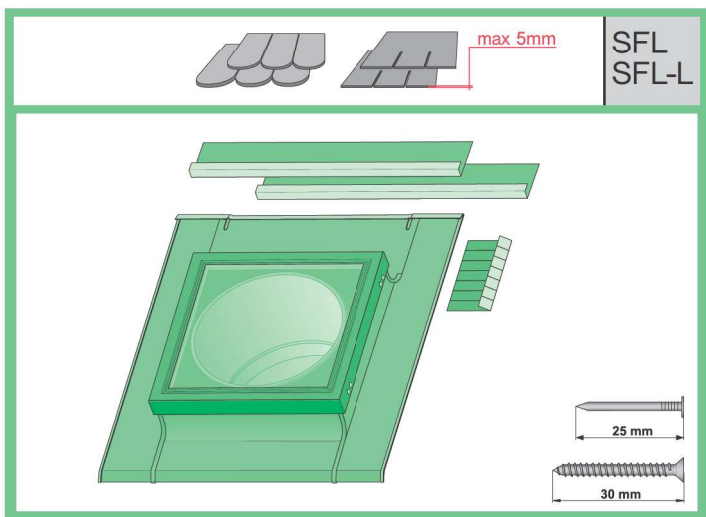
3

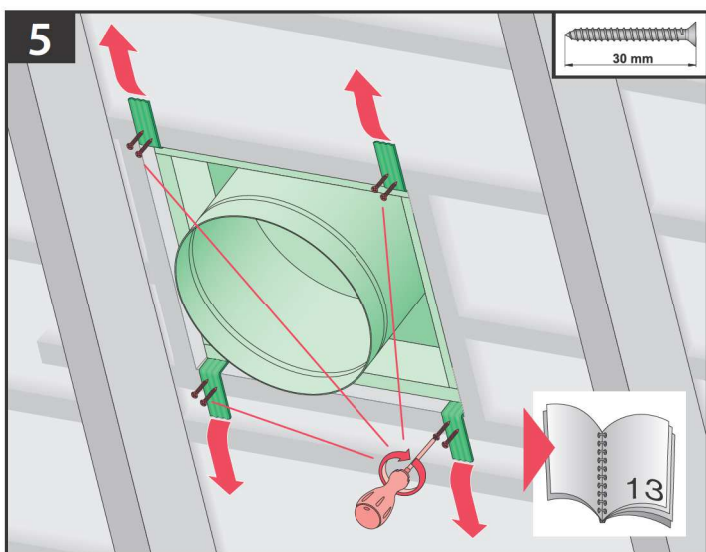
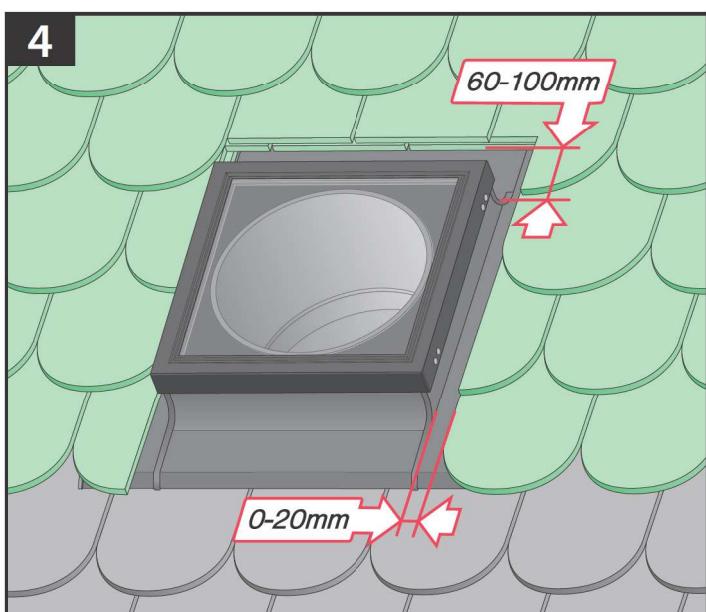
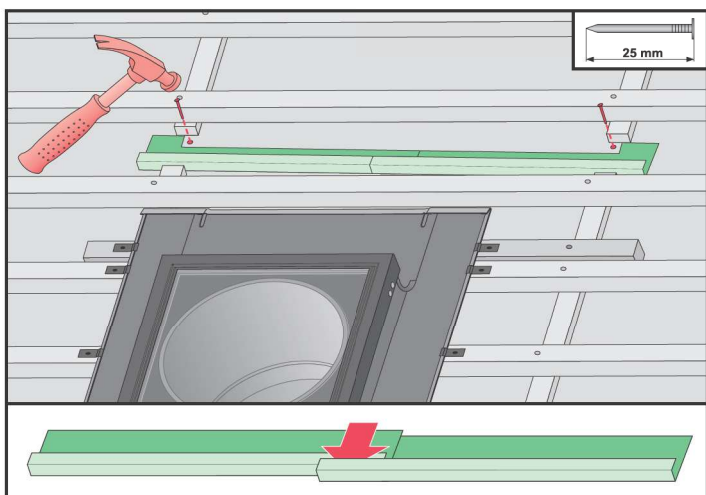
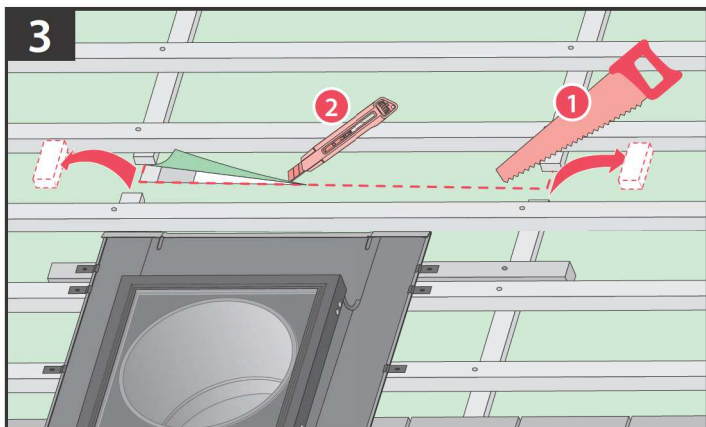
25 mm

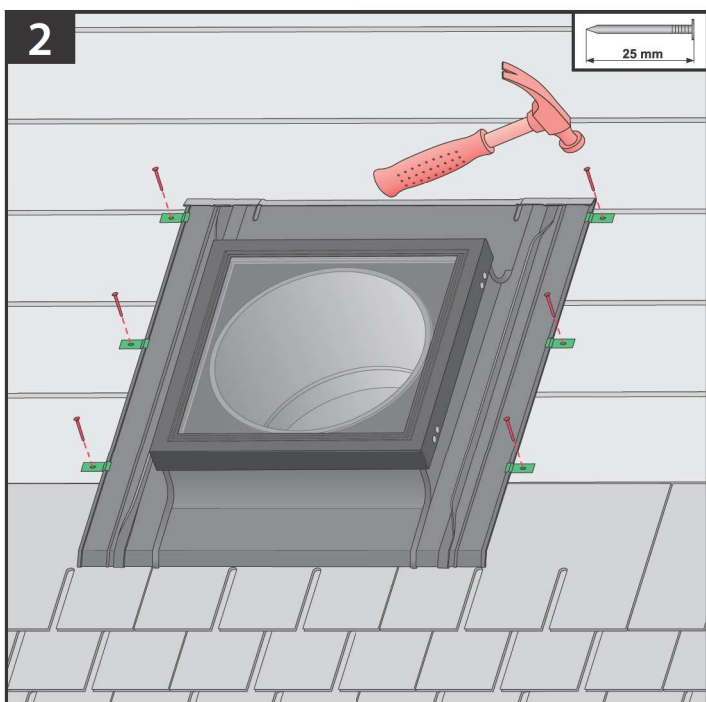
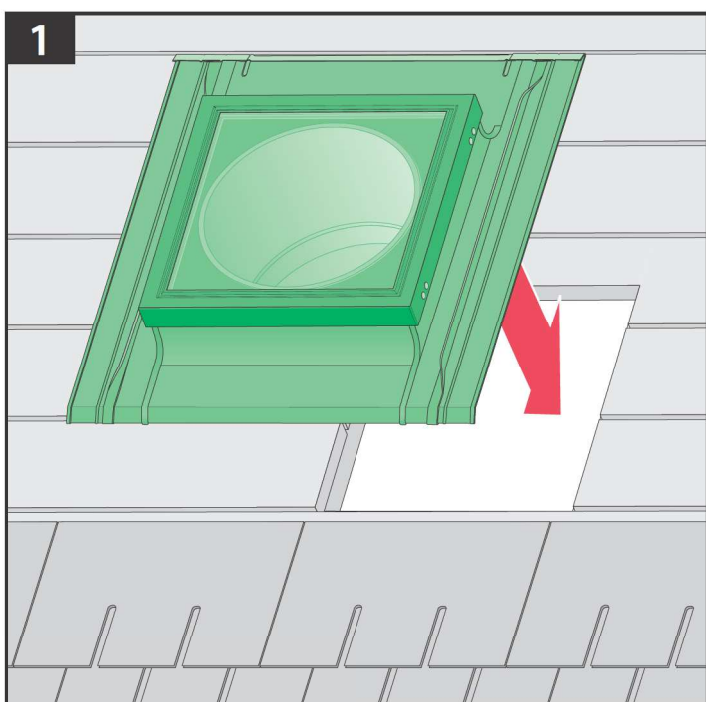
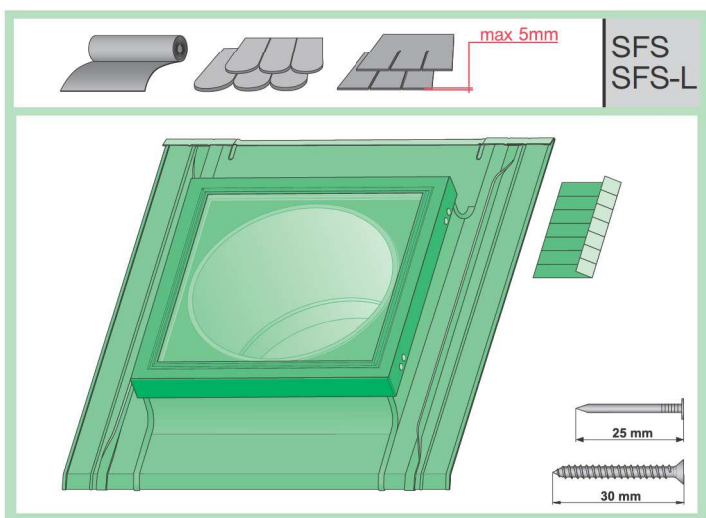
4a

Diagram 4a illustrates the preparation of the roof structure for the skylight. A hand saw (1) is shown cutting a notch in the wooden beam, and a square (2) is used to mark the cut. The skylight unit is shown installed in the cutout, with the roof tiles below it.

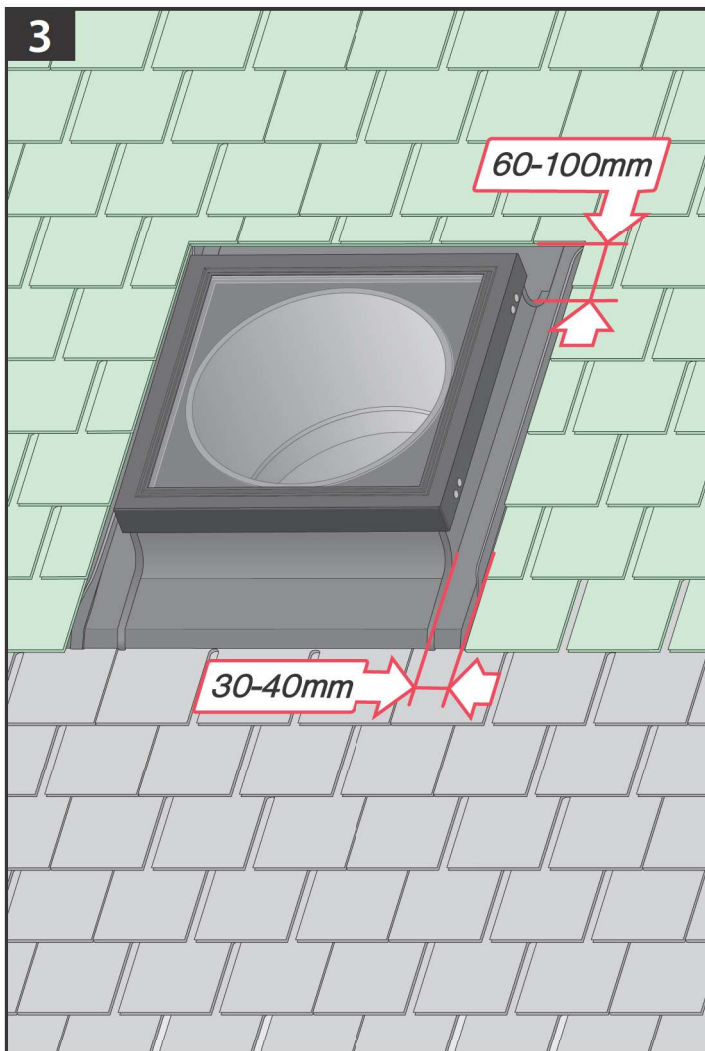




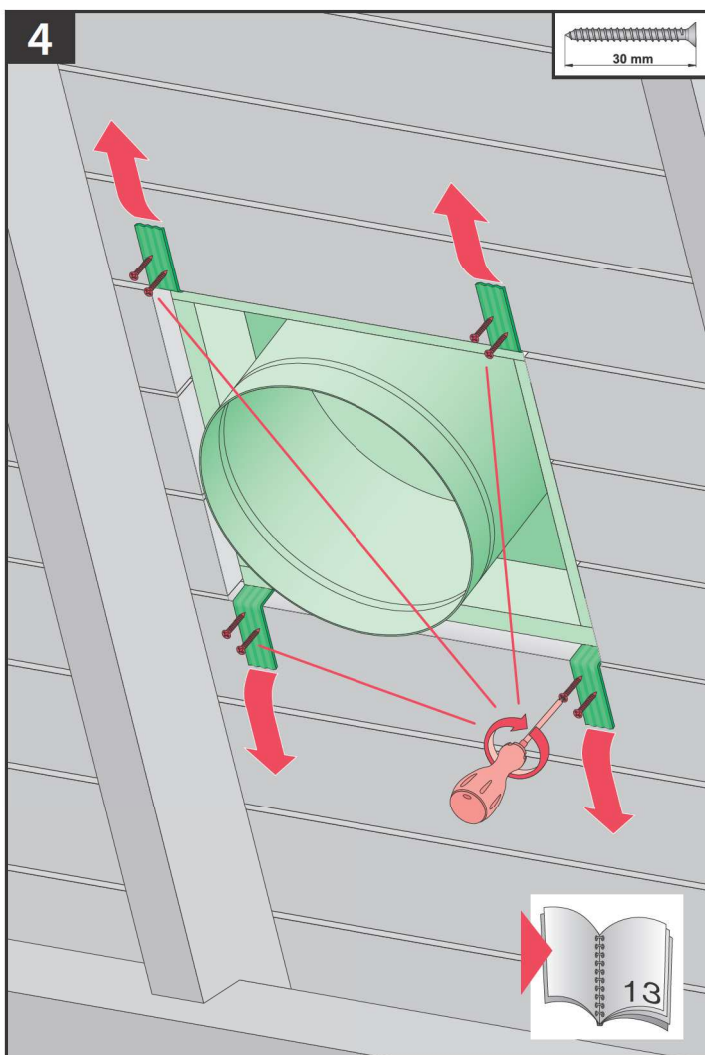




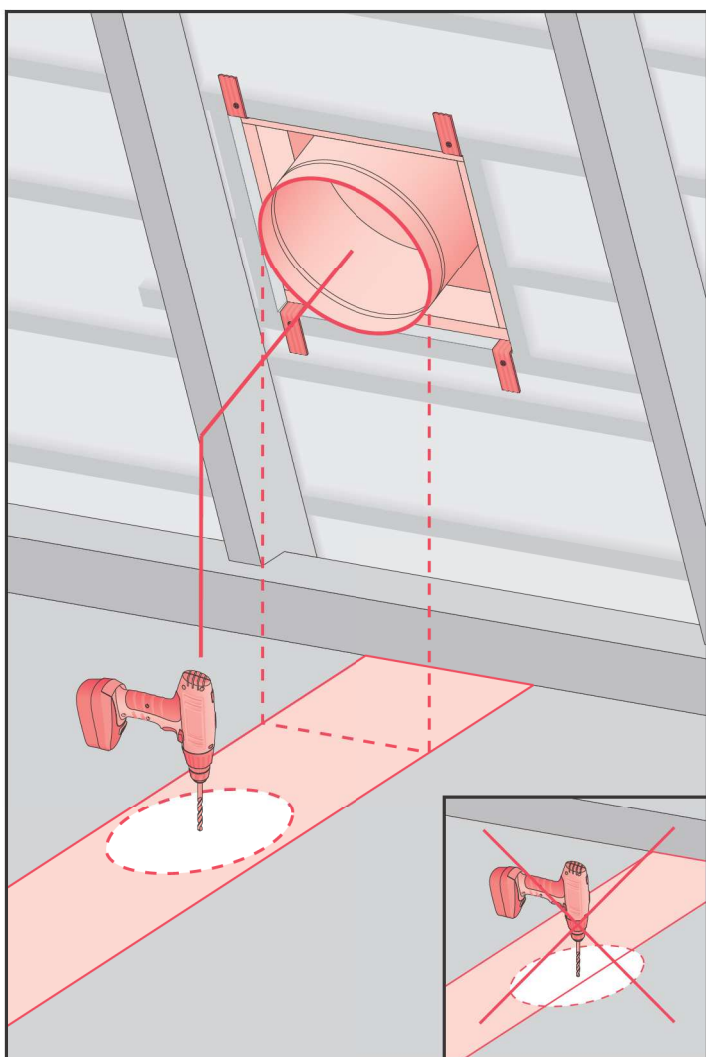
3



4

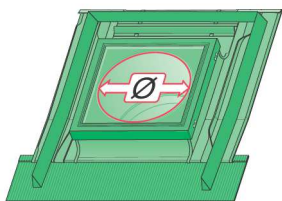
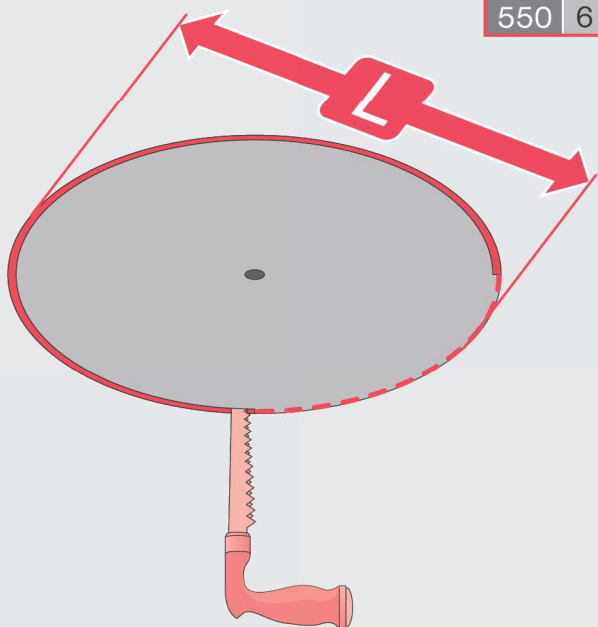


1

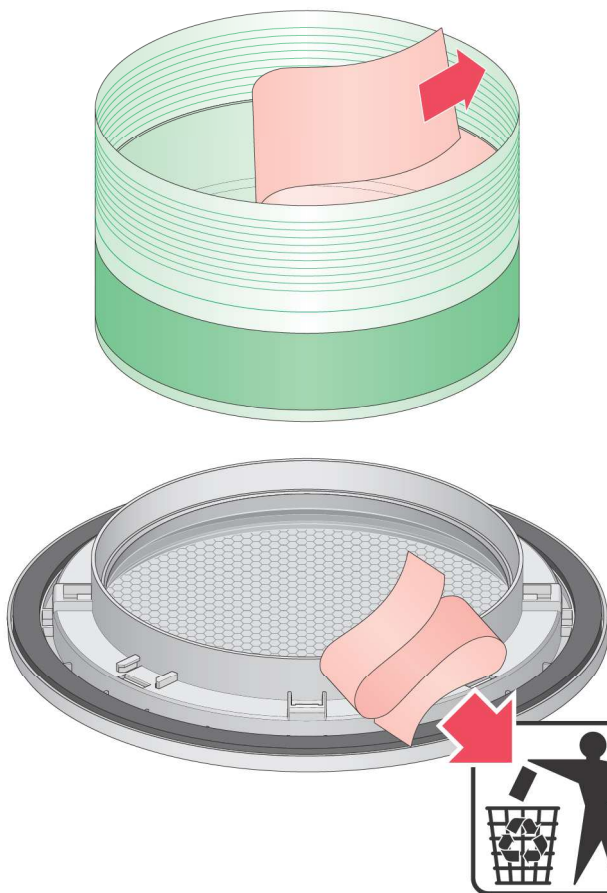


2

Ø [mm]	L [mm]
350	410
550	610

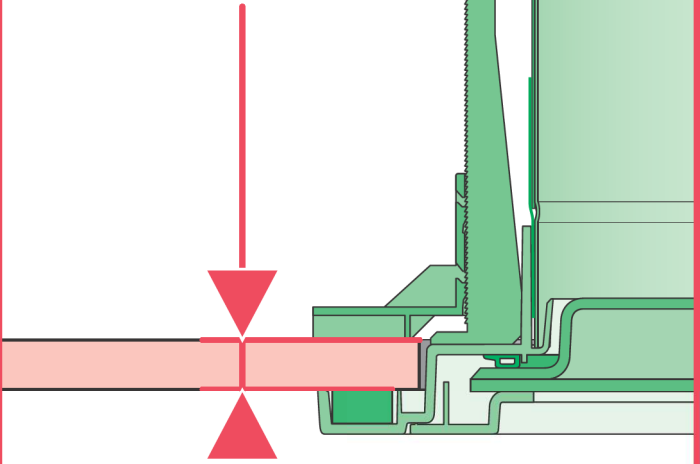


3

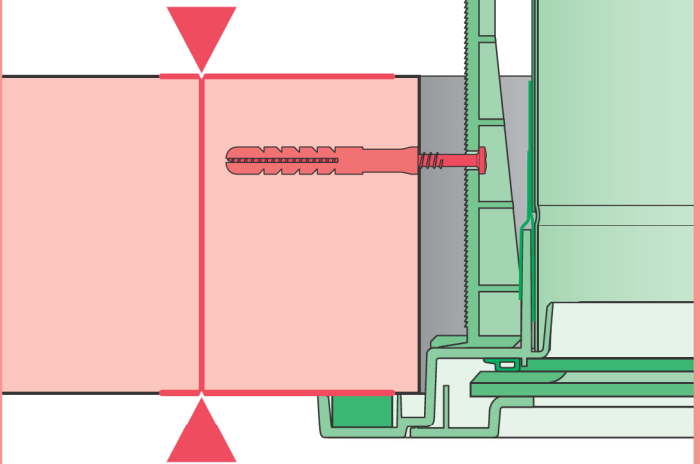




max 60mm

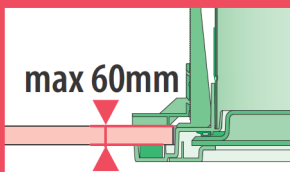


>60mm

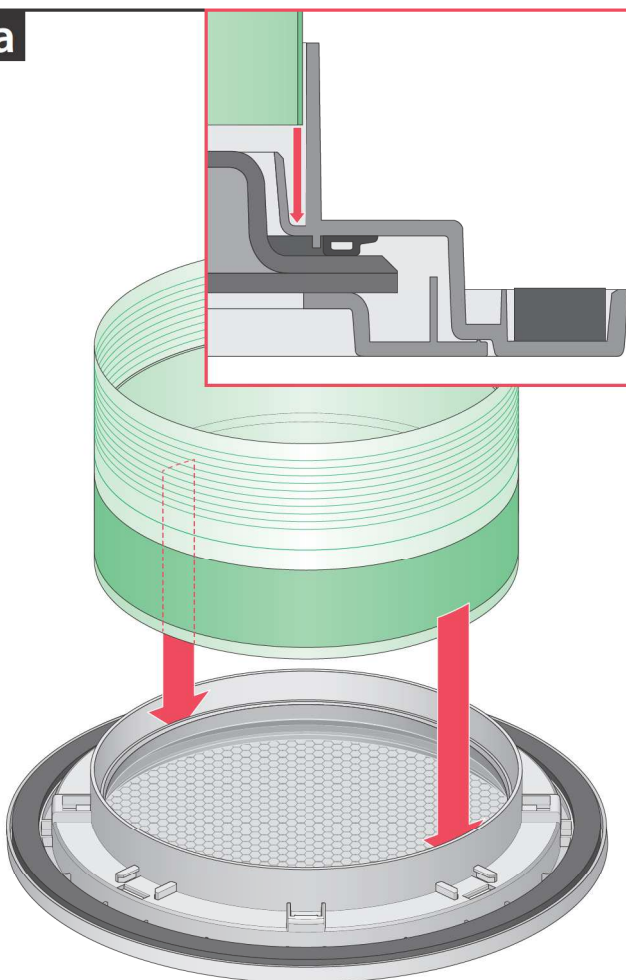




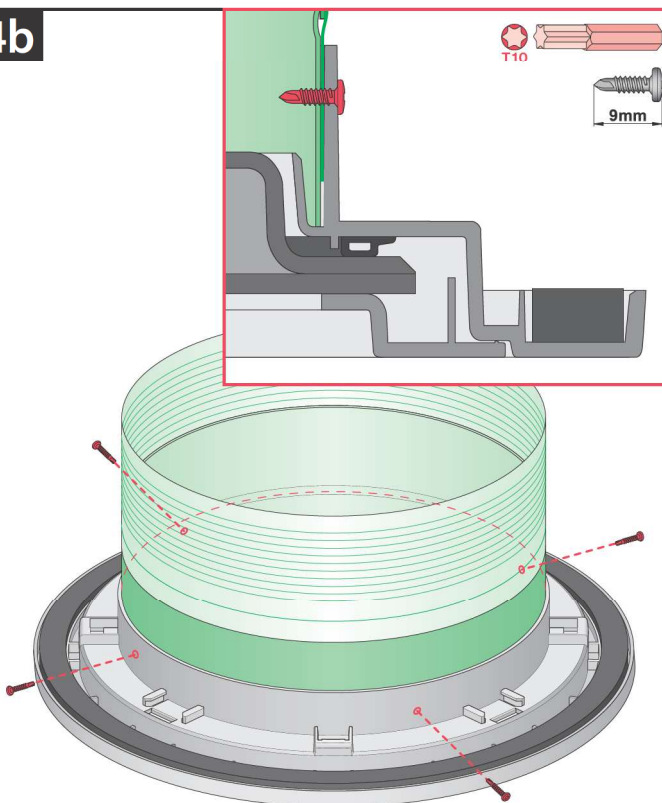
max 60mm



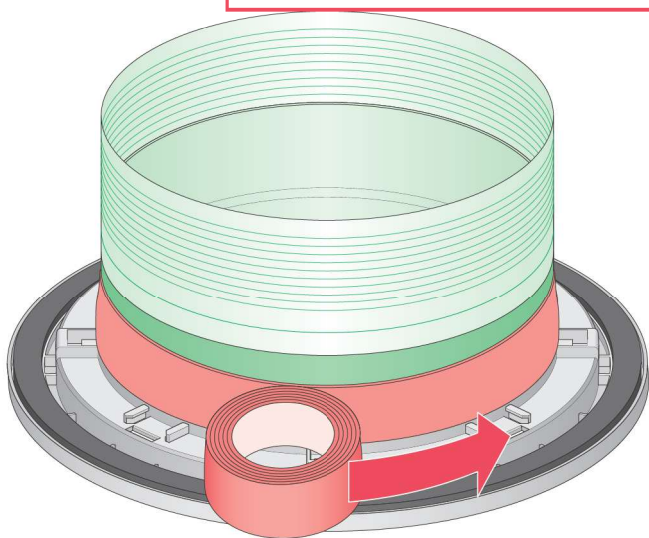
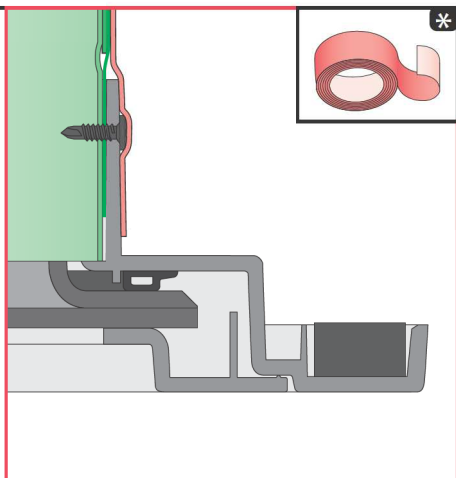
4a



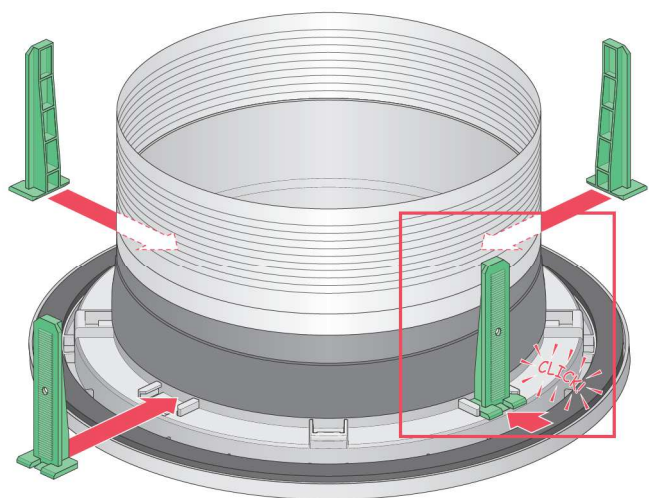
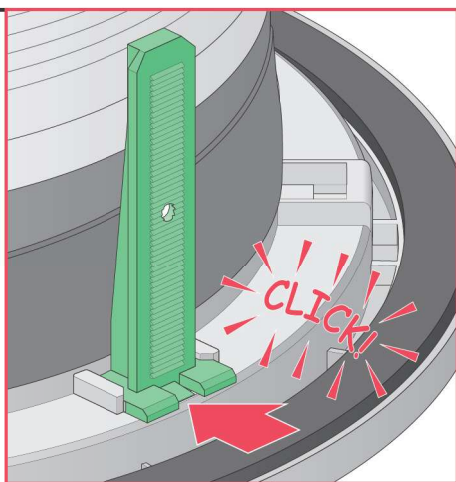
4b



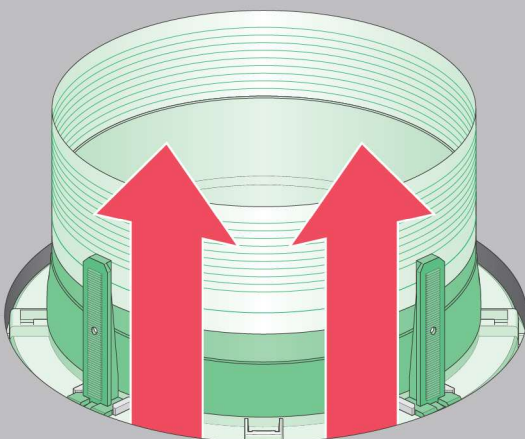
4c



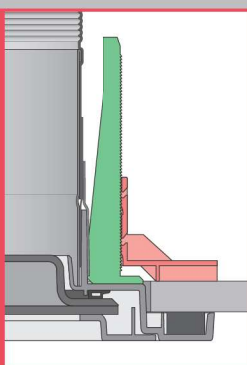
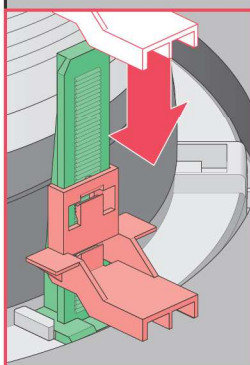
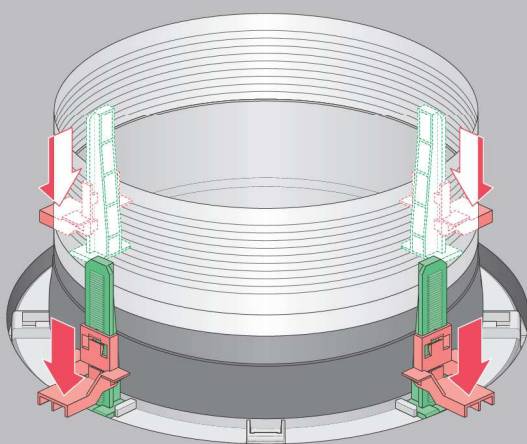
4d

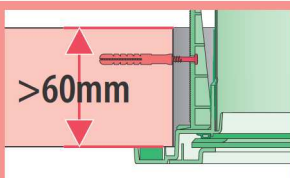


5a

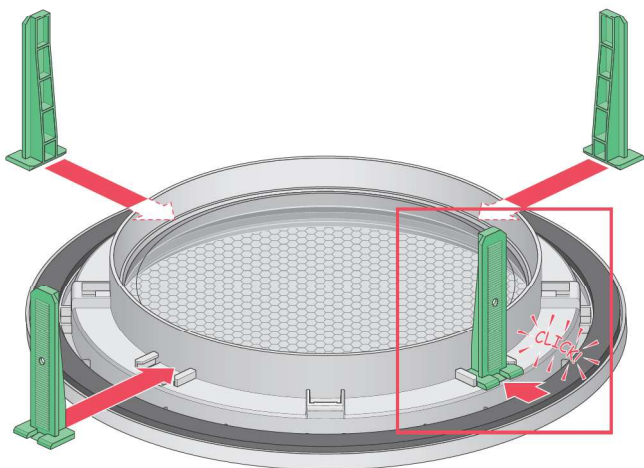
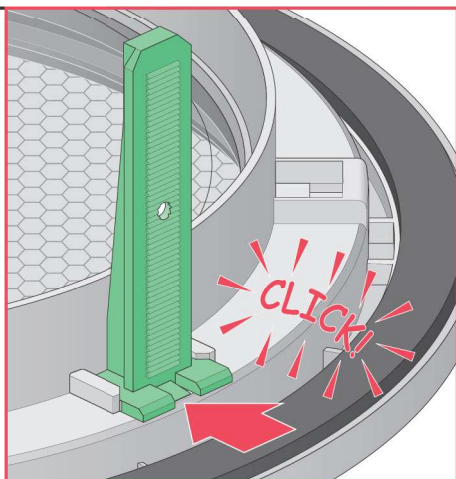


5b

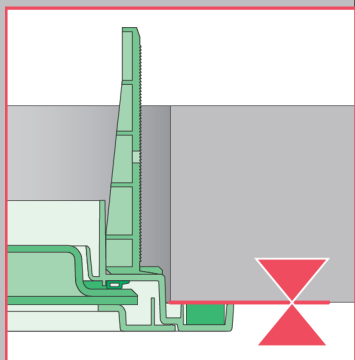
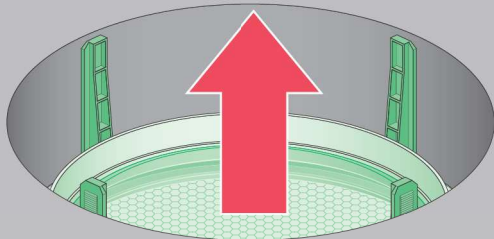




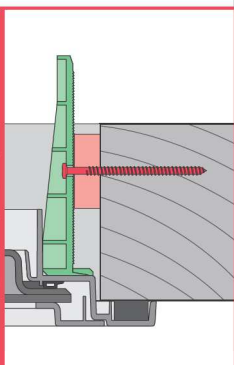
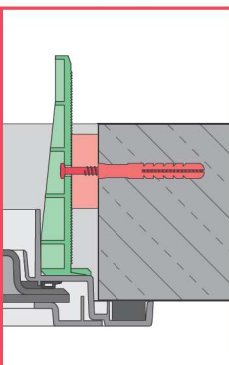
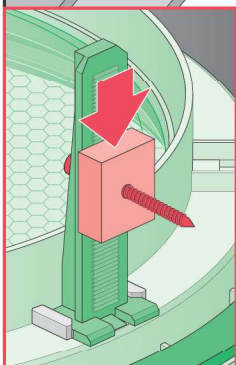
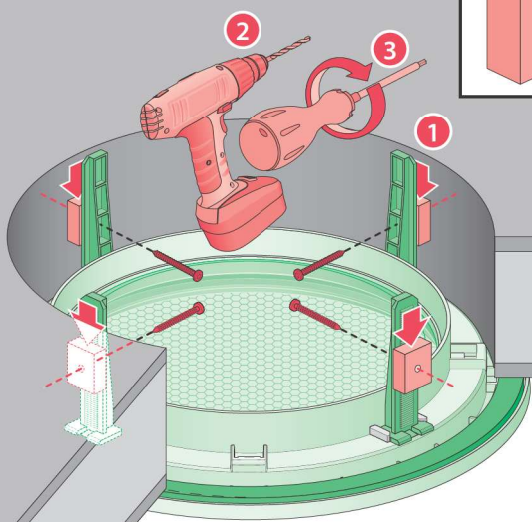
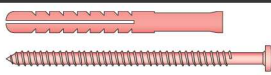
4a*



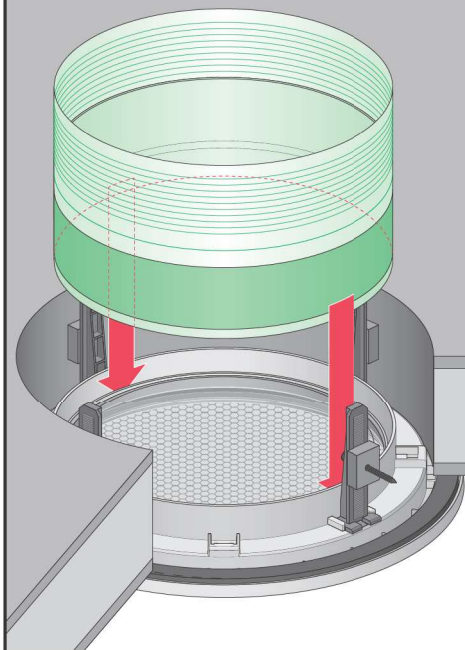
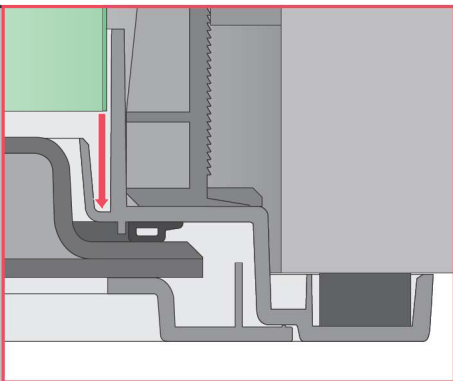
4b*



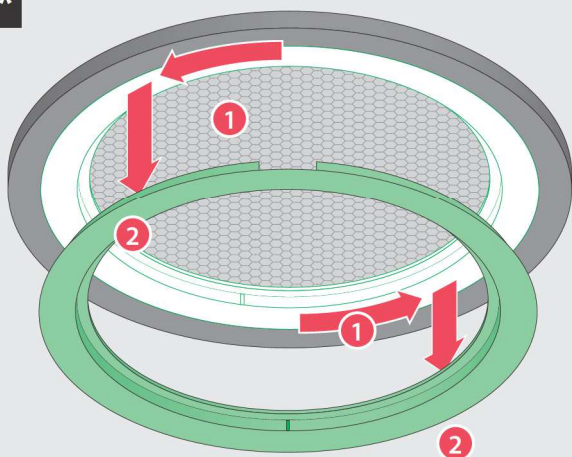
4c*



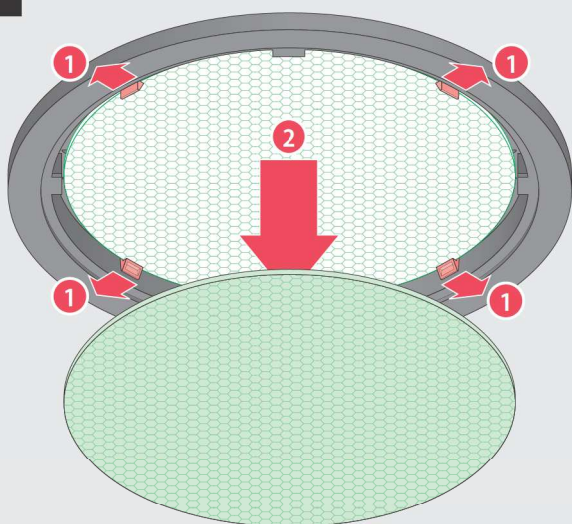
4d*



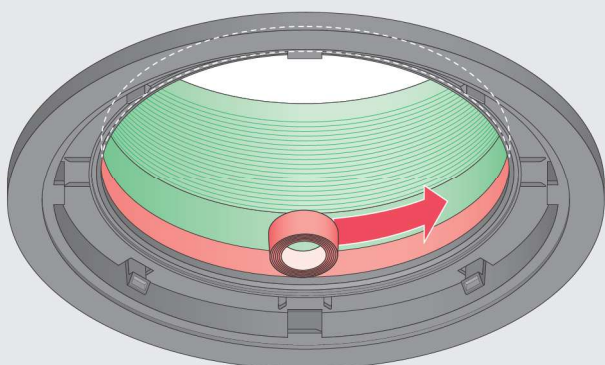
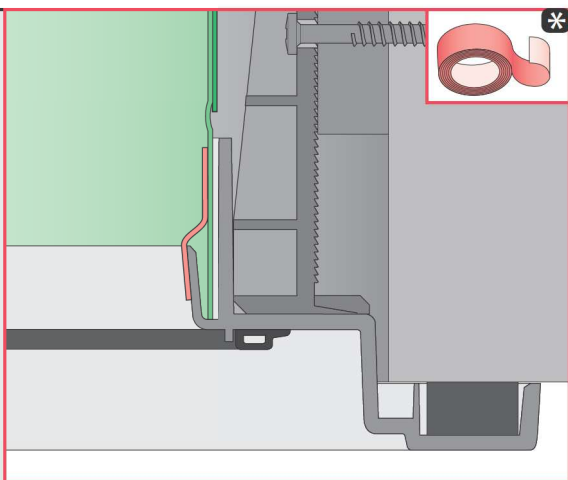
5a*



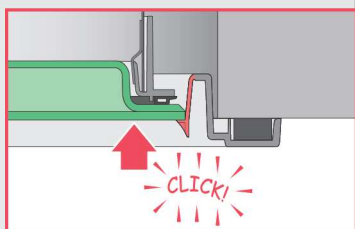
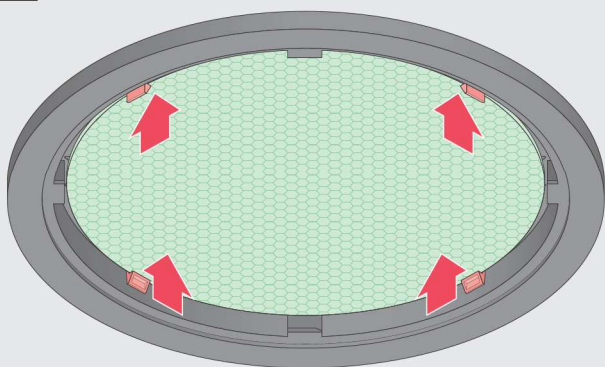
5b*



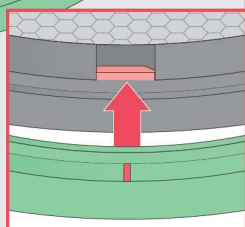
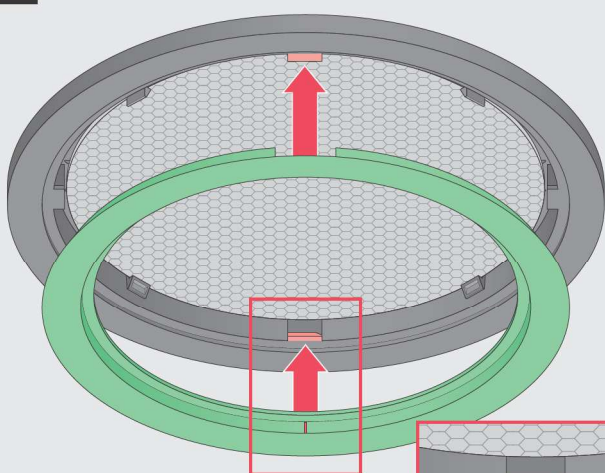
5c*



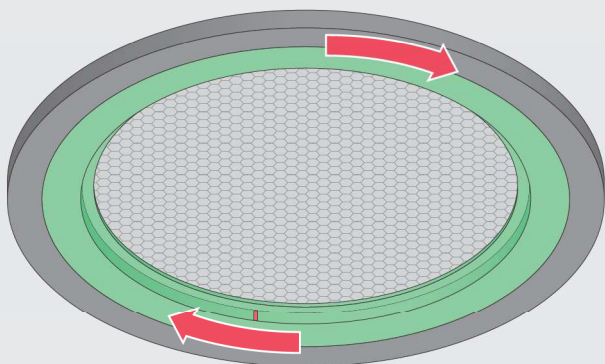
5d*

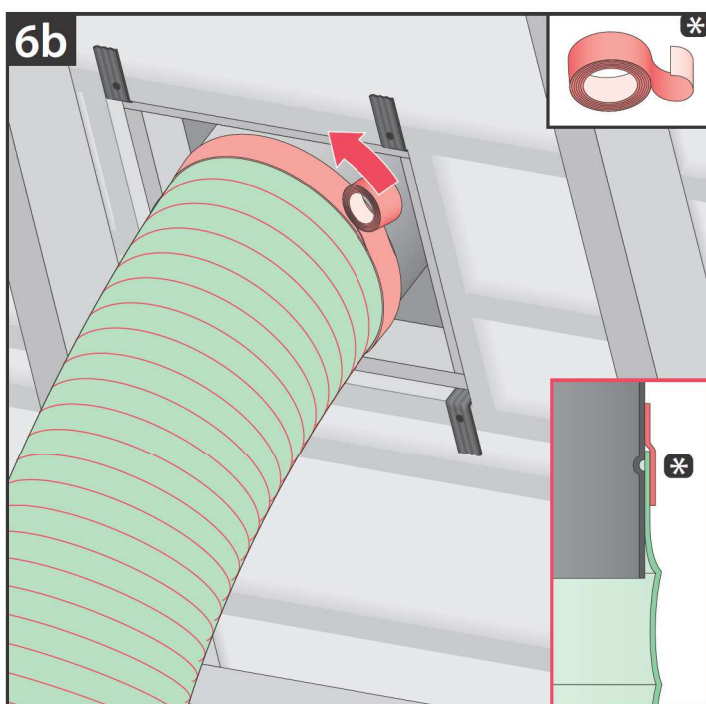
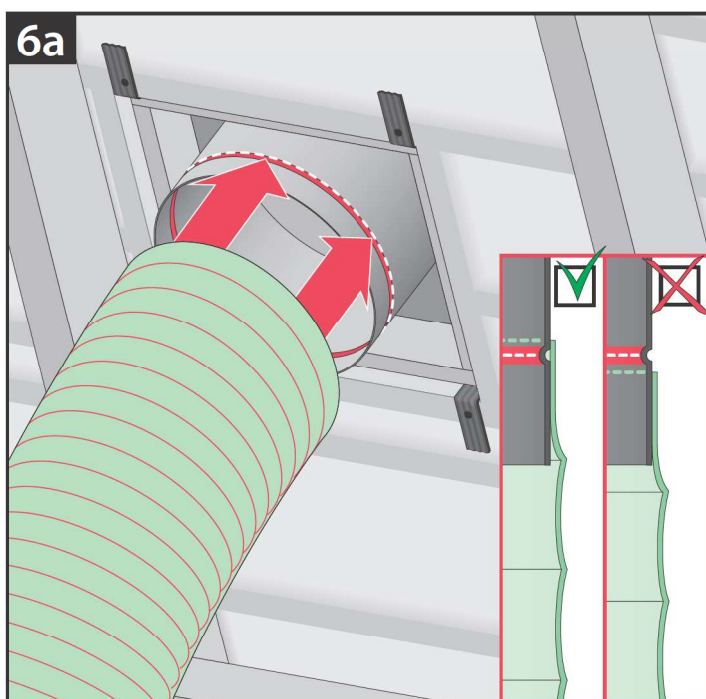
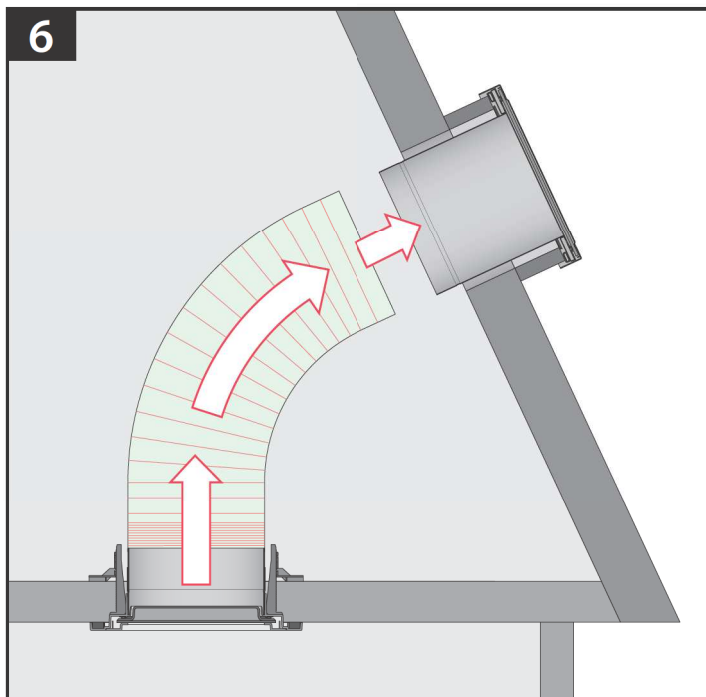


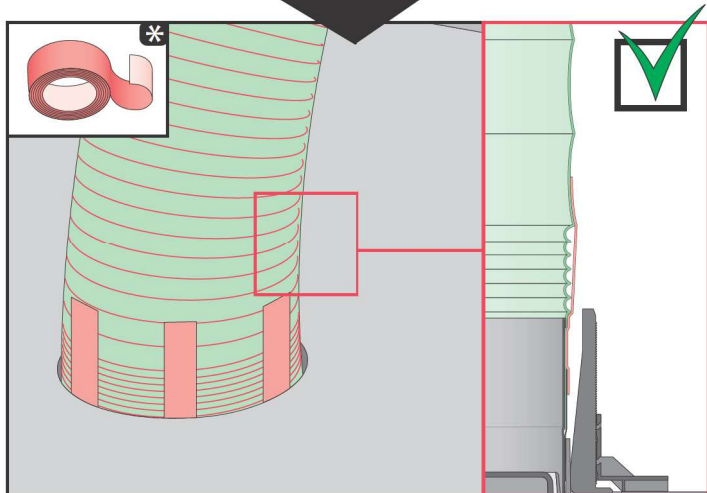
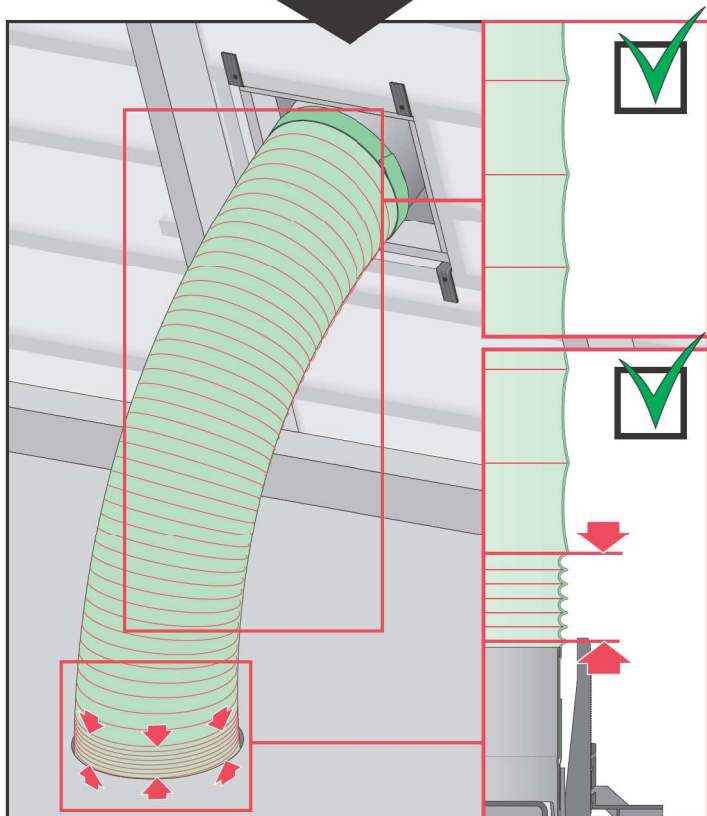
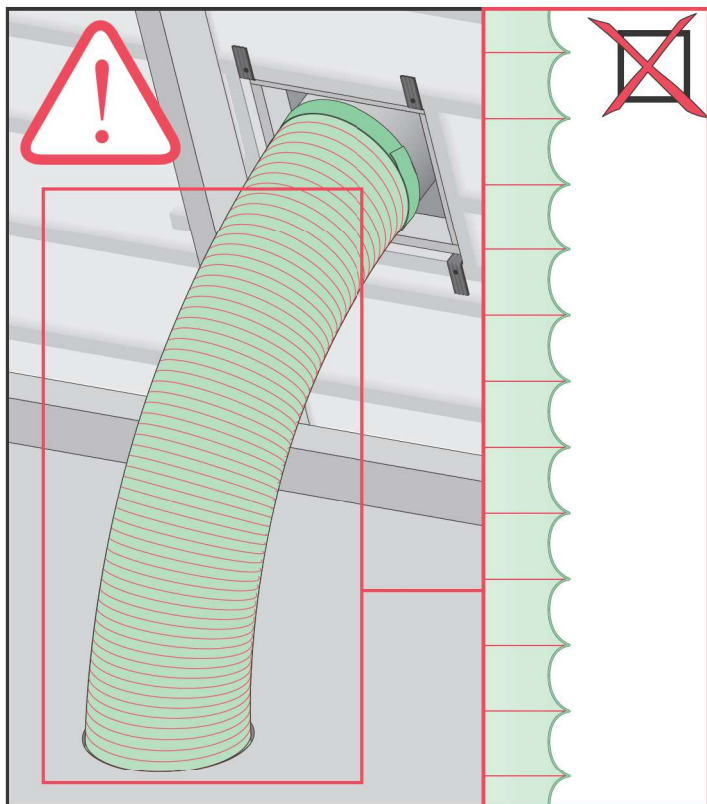
5e*

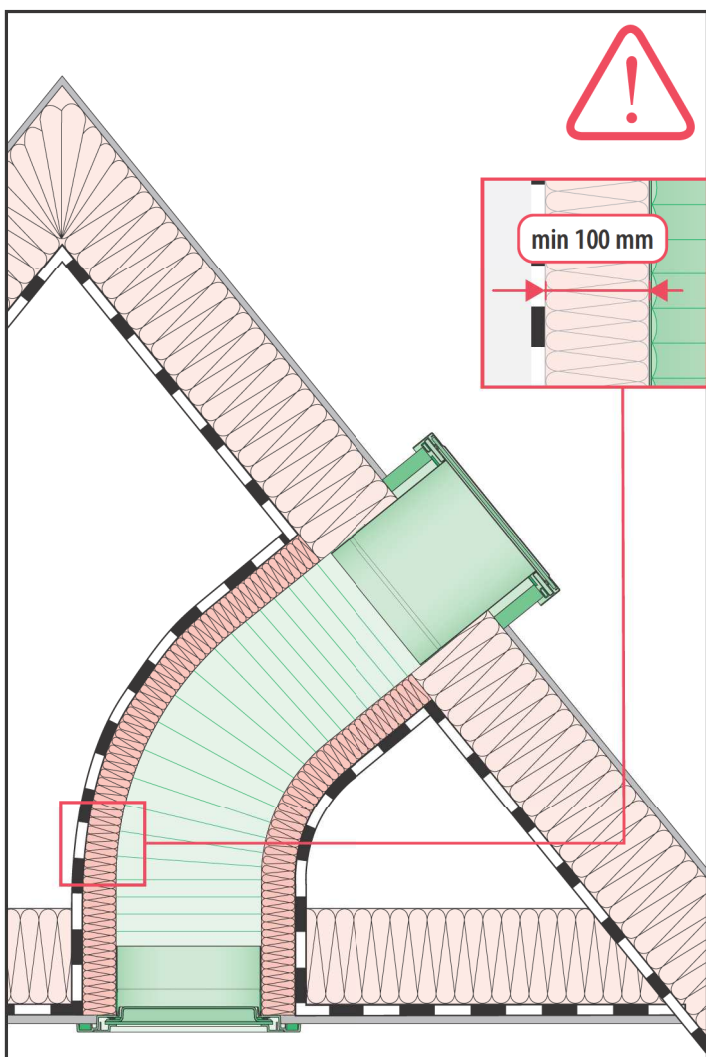
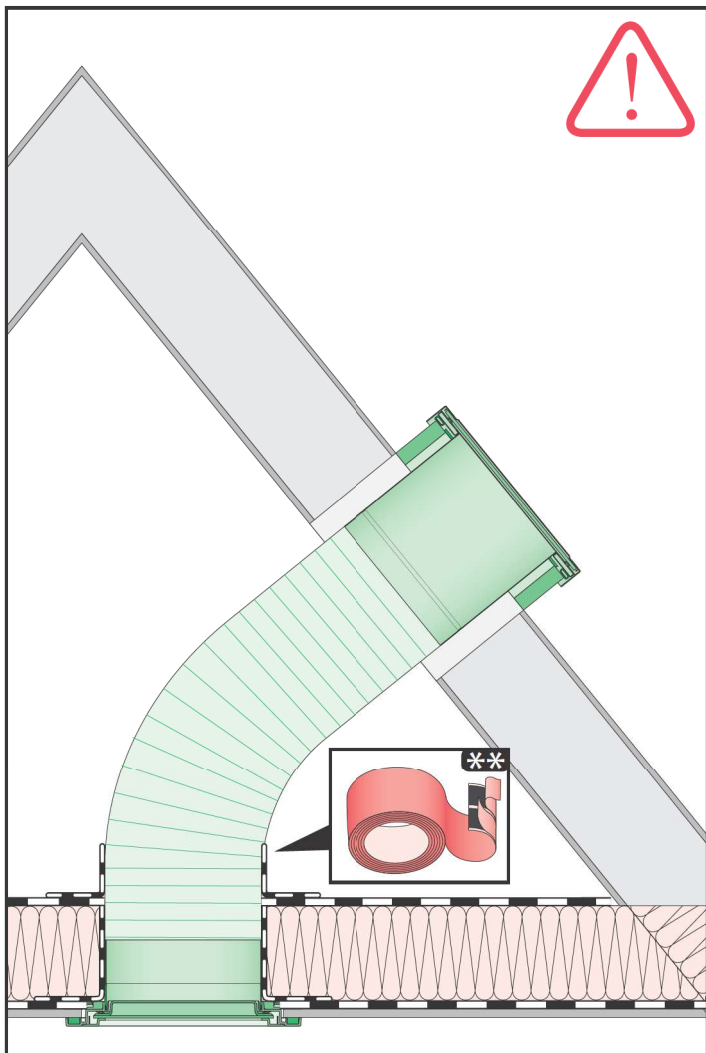


5f*



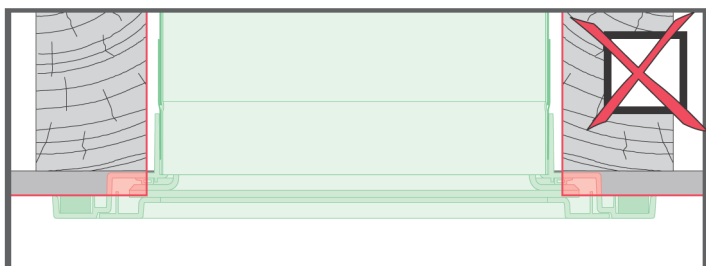
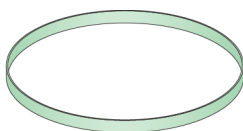




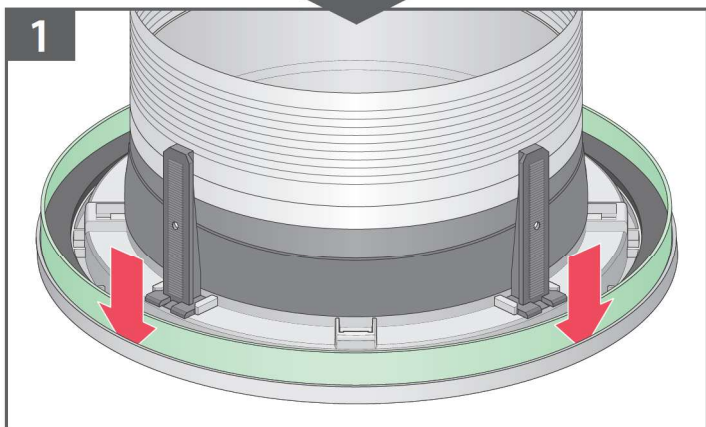




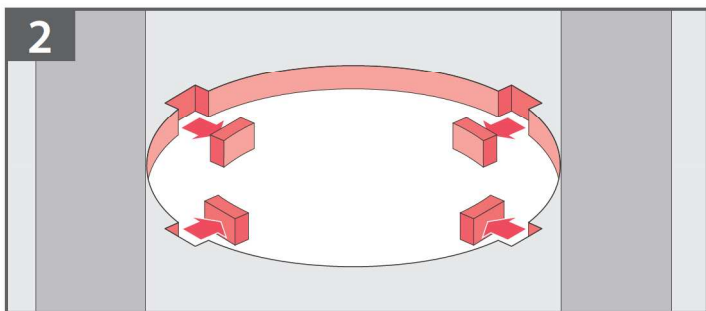
SR.. Ø350



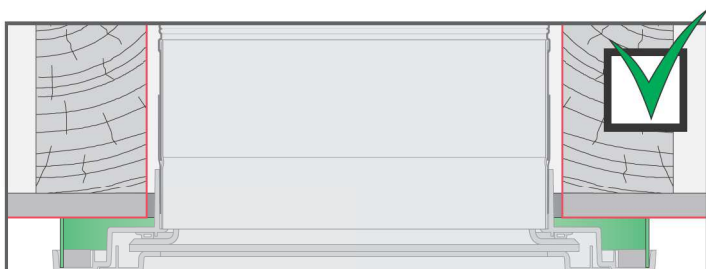
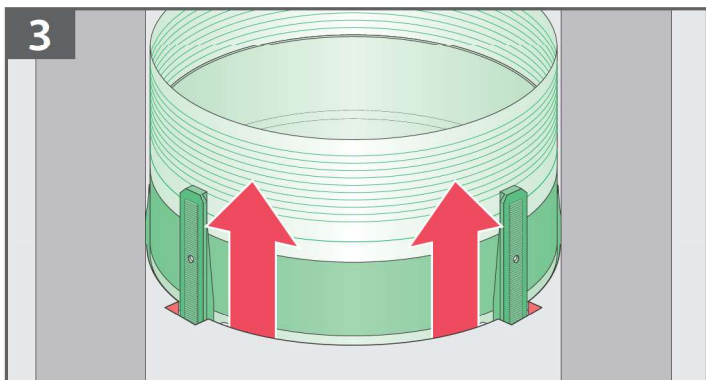
1



2



3





25
FAKRO PP Sp. z o.o.
Ul. Węgierska 144a
33-300 Nowy Sącz, Polska

ITB-KOT-2019/1134 wydanie 2
Instytut Techniki Budowlanej

KRAJOWA DEKLARACJA WŁAŚCIWOŚCI
UŻYTKOWYCH NR KDWU01/1134/25

Dostępne na <https://www.fakro.pl/architekci/certyfikaty-i-deklaracje/>

PL	Zasadnicze charakterystyki wyrobu budowlanego dla zamierzonego zastosowania	Deklarowane właściwości użytkowe
GB	Essential characteristics of the construction product for the intended use	Declared performance characteristics
DE	Wesentliche Merkmale des Bauprodukts für den vorgesehenen Verwendungszweck	Leistung
FR	Paramètres caractéristiques pour le produit de bâtiment selon sa destination	Performances déclarées
ES	Características esenciales del producto de construcción para el uso previsto.	Características de rendimiento declaradas
HU	Az építési termék rendeltetésének megfelelő alapvető tulajdonságok	Nyilatkozat szerinti teljesítmény
CZ	Základní charakteristiky stavebního výrobku pro zamýšlené použití	Deklarované užitné vlastnosti
SK	Základná charakteristika stavebného výrobku pre určené použitie	Deklarované užitkové vlastnosti
	Odporność na uderzenie ciałem miękkim-ciężkim, upadek worka o masie 50 kg - świetliki SFD-L, SFD-L/L, SFD-S, SFD-S/L, SFD-Z, SFD-Z/L, SFD-H, SFD-H/L, SRD-L, SRD-L/L, SRD-S, SRD-S/L, SRD-Z, SRD-Z/L, SRD-H, SRD-H/L, SFL, SFL-L, SFS, SFS-L, SFZ, SFZ-L, SFH, SFH-L, SRL, SRL-L, SRS, SRS-L, SRZ, SRZ-L, SRH, SRH-L (wysokość spadku 1,6m) - świetliki SFF, SRF i SXF (wysokość spadku 2,4m) <i>Impact resistance – soft body</i> <i>Stoßbeanspruchung weiche Körper</i> <i>Resistance aux chocs avec objet mou</i> <i>Resistencia al impacto: cuerpo blando</i> <i>Útésállóság puha testtel szemben</i> <i>Rázové zatížení – měkké těleso</i> <i>Odolnosť proti úderu mäkkým telesom</i>	Klasa SB 800 dla SRD, SFD, SR, SF Klasa SB 1200 dla SRF, SFF, SXF <i>Class SB 800 for SRD, SFD, SR, SF</i> <i>Class SB 1200 for SRF, SFF, SXF</i> <i>Klasse SB 800 für SRD, SFD, SR, SF</i> <i>Klasse SB 1200 für SRF, SFF, SXF</i> <i>Classe SB 800 pour SRD, SFD, SR, SF</i> <i>Classe SB 1200 pour SRF, SFF, SXF</i> <i>Clase SB 800 para SRD, SFD, SR, SF</i> <i>Clase SB 1200 para SRF, SFF, SXF</i> <i>SB 800 osztály - SRD, SFD, SR, SF</i> <i>SB 1200 osztály - SRF, SFF, SXF</i> <i>Třída SB 800 pro SRD, SFD, SR, SF</i> <i>Třída SB 1200 pro SRF, SFF, SXF</i> <i>Trieda SB 800 pre SRD, SFD, SR, SF</i> <i>Trieda SB 1200 pre SRF, SFF, SXF</i>
	Odporność na obciążenie dociskające <i>Resistance to downward loads</i> <i>Widerstand gegen abwärts gerichtete Lasten</i> <i>Resistance a la charge de pressage</i> <i>Resistencia a cargas descendentes</i> <i>Lefelé irányuló teherrel szembeni ellenállás</i> <i>Odolnost proti zatížení působícímu dolů</i> <i>Odolnosť proti namáhaniu tlakom</i>	Klasa DL 2500 dla SRD, SFD, SR, SF, SRF, SFF, SXF <i>Class DL 2500 for SRD, SFD, SR, SF, SRF, SFF, SXF</i> <i>Klasse DL 2500 für SRD, SFD, SR, SF, SRF, SFF, SXF</i> <i>Classe DL 2500 pour SRD, SFD, SR, SF, SRF, SFF, SXF</i> <i>Clase DL 2500 para SRD, SFD, SR, SF, SRF, SFF, SXF</i> <i>DL 2500 osztály - SRD, SFD, SR, SF, SRF, SFF, SXF</i> <i>Třída DL 2500 pro SRD, SFD, SR, SF, SRF, SFF, SXF</i> <i>Trieda DL 2500 pre SRD, SFD, SR, SF, SRF, SFF, SXF</i>
	Odporność na obciążenie odrywające <i>Resistance to upward loads</i> <i>Widerstand gegen aufwärts gerichtete Lasten</i> <i>Resistance a la charge dechirante</i> <i>Resistencia a cargas descendentes</i> <i>Felfelé irányuló teherrel szembeni ellenállás</i> <i>Odolnost proti zatížení působícímu nahoru</i> <i>Odolnosť proti namáhaniu ťahom</i>	Klasa UL 3000 dla SRD, SFD, SR, SF, SRF, SFF, SXF <i>Class UL 3000 for SRD, SFD, SR, SF, SRF, SFF, SXF</i> <i>Klasse UL 3000 für SRD, SFD, SR, SF, SRF, SFF, SXF</i> <i>Classe UL 3000 pour SRD, SFD, SR, SF, SRF, SFF, SXF</i> <i>Clase UL 3000 para SRD, SFD, SR, SF, SRF, SFF, SXF</i> <i>UL 3000 osztály - SRD, SFD, SR, SF, SRF, SFF, SXF</i> <i>Třída UL 3000 pro SRD, SFD, SR, SF, SRF, SFF, SXF</i> <i>SK: Trieda UL 3000 pre SRD, SFD, SR, SF, SRF, SFF, SXF</i>
	Przepuszczalność powietrza <i>Air permeability</i> <i>Luftdurchlässigkeit</i> <i>Permeabilité a l'air</i> <i>Permeabilidad al aire</i> <i>Légáteresztés</i> <i>Průvzdušnost</i> <i>Priepustnosť vzduchu</i>	Klasa 4 <i>Class 4</i> <i>Klasse 4</i> <i>Classe 4</i> <i>Clase 4</i> <i>4. osztály</i> <i>Třída 4</i> <i>Trieda 4</i>
	Izolacyjność cieplna <i>Thermal insulation</i> <i>Wärmedurchlasswiderstand</i> <i>Isolation thermique</i> <i>Aislamiento térmico</i> <i>Hőátbocsátás</i> <i>Součinitel prostupu tepla</i> <i>Tepelná priepustnosť</i>	≤ 2.1 W/(m²K) dla 250 SRD, SR ≤ 2.0 W/(m²K) dla 350 SRD, SFD, SR, SF, SRF, SFF, SXF ≤ 1.9 W/(m²K) dla 550 SRD, SFD, SR, SF, SRF, SFF, SXF ≤ 2.1 W/(m²K) for 250 SRD, SR ≤ 2.0 W/(m²K) for 350 SRD, SFD, SR, SF, SRF, SFF, SXF ≤ 1.9 W/(m²K) for 550 SRD, SFD, SR, SF, SRF, SFF, SXF ≤ 2.1 W/(m²K) für 250 SRD, SR ≤ 2.0 W/(m²K) für 350 SRD, SFD, SR, SF, SRF, SFF, SXF ≤ 1.9 W/(m²K) für 550 SRD, SFD, SR, SF, SRF, SFF, SXF ≤ 2.1 W/(m²K) pour 250 SRD, SR ≤ 2.0 W/(m²K) pour 350 SRD, SFD, SR, SF, SRF, SFF, SXF ≤ 1.9 W/(m²K) pour 550 SRD, SFD, SR, SF, SRF, SFF, SXF ≤ 2.1 W / (m²K) para 250 SRD, SR ≤ 2.0 W / (m²K) para 350 SRD, SFD, SR, SF, SRF, SFF, SXF ≤ 1.9 W / (m²K) para 550 SRD, SFD, SR, SF, SRF, SFF, SXF ≤ 2.1 W/(m²K) - 250 SRD, SR ≤ 2.0 W/(m²K) - 350 SRD, SFD, SR, SF, SRF, SFF, SXF ≤ 1.9 W/(m²K) - 550 SRD, SFD, SR, SF, SRF, SFF, SXF ≤ 2.1 W/(m²K) pro 250 SRD, SR ≤ 2.0 W/(m²K) pro 350 SRD, SFD, SR, SF, SRF, SFF, SXF ≤ 1.9 W/(m²K) pro 550 SRD, SFD, SR, SF, SRF, SFF, SXF ≤ 2.1 W/(m²K) pre 250 SRD, SR ≤ 2.0 W/(m²K) pre 350 SRD, SFD, SR, SF, SRF, SFF, SXF ≤ 1.9 W/(m²K) pre 550 SRD, SFD, SR, SF, SRF, SFF, SXF

BG	Производител и Продавач не носят отговорност за неспазване на съответните закони, строителни норми и изисквания за безопасност от потребителя на продукта, архитекта, монтажника или собственика на сградата.	LT	Gaminiojas ir pardavėjas neprisima jokios atsakomybės už tai, kad gamintojo naudotojas, architektas, montuotojas ar pastato savininkas nesilaiko galiojančiu įstatymu, taisykliu ir saugos reikalavimu.
CZ	Výrobce ani prodejce nenese žádnou odpovědnost za nedodržení příslušných platných zákonů, stavebních předpisů a bezpečnostních požadavků uživatelem výrobku, architektem, montážníkem nebo vlastníkem budovy.	LV	Ražotājs, un mazumtīņotājs neuzņemas atbildību par likumu, noteikumu un drošības prasību neieviešanu no produkta lietotāja, arhitekta, uzstādītāja vai ēkas īpašnieka puses.
DE	Hersteller und Verkäufer übernehmen keine Haftung für Nichtbeachtung entsprechender Rechts- und Bauvorschriften sowie Sicherheitsanforderungen seitens Produktbenutzers, Architekten, Monteure oder Gebäudebesitzers.	NL	De fabrikant en verkoper zijn niet aansprakelijk voor gevolgen bij het niet opvolgen van toepasselijke wetten, bouwbesluiten en veiligheidsvoorschriften door de gebruiker van het product, de architect, de installateur of de eigenaar van het gebouw.
EE	Tootja ja jaemüüja ei vastuta toote kasutaja, arhitekti, paigaldaja või hoone omaniku poolt kehtivate seaduste, määruste ja ohutusnõuete mittejärgmise eest.	PL	Producent i Sprzedawca nie ponosi żadnej odpowiedzialności za nieprzestrzeganie stosownych przepisów prawa, przepisów budowlanych i wymagań bezpieczeństwa przez użytkownika produktu, architekta, montażystę lub właściciela budynku.
ES	El fabricante y el vendedor no tienen ninguna responsabilidad por el incumplimiento de la ley vigente, normas de construcción y exigencias de seguridad por parte del usuario del producto, arquitecto, instalador o el propietario del edificio.	PT	O fabricante e o vendedor não tem nenhuma responsabilidade pelo o não cumprimento da lei, códigos de construção e as exigências de segurança por parte do usuário do produto, arquiteto, instalador ou proprietário do edifício.
FR	Le fabricant et le revendeur ne prend aucune responsabilité de ne pas respecter les lois applicables, les règlements sur les bâtiments et les exigences de sécurité par l'utilisateur du produit, l'architecte, l'installateur ou le propriétaire du bâtiment.	RO	Nici producătorul, nici distribuitorul nu își vor asuma niciun fel de răspundere pentru nerespectarea legilor în vigoare, a legilor din domeniul construcțiilor sau a măsurilor de siguranță impuse utilizatorilor produsului, arhitecților, montajorilor sau proprietarilor clădirii.
GB	Manufacturer and Seller shall bear no liability for failure to comply with the applicable laws, building codes and safety requirements by the user of the product, architect, fitter or owner of the building.	RU	В случае несоблюдения архитектором, монтажником или владельцем здания строительных правил и норм безопасности ответственность с производителя и продавца снимается.
HU	A Gyártó és a Forgalmazó nem vállal semmiféle felelősséget a vonatkozó törvényi, építési és biztonsági előírások termékfelhasználói, építész, beépítőmester vagy épülettulajdonos általi be nem tartásáért.	SI	Proizvajalec in prodajalec ne prevzema odgovornosti za neupoštevane ustreznih pravil in gradbenih predpisov ter varnostnih zahtev s strani uporabnika izdelka, projektanta, montažerja ali lastnika objekta.
IT	Il Produttore e il Rivenditore non potranno essere ritenuti responsabili per il mancato rispetto, da parte dell'utente del prodotto, del progettista, dell'installatore o del proprietario dell'edificio, delle leggi vigenti, nonché dei regolamenti edilizi e di quelli relativi alla sicurezza.	SK	Výrobca a predávca nenesú žiadnu zodpovednosť za nedodržanie príslušných ustanovení zákona, stavebných predpisov a bezpečnostných požiadaviek užívateľom výrobku, architektom, montérom alebo majiteľom objektu.