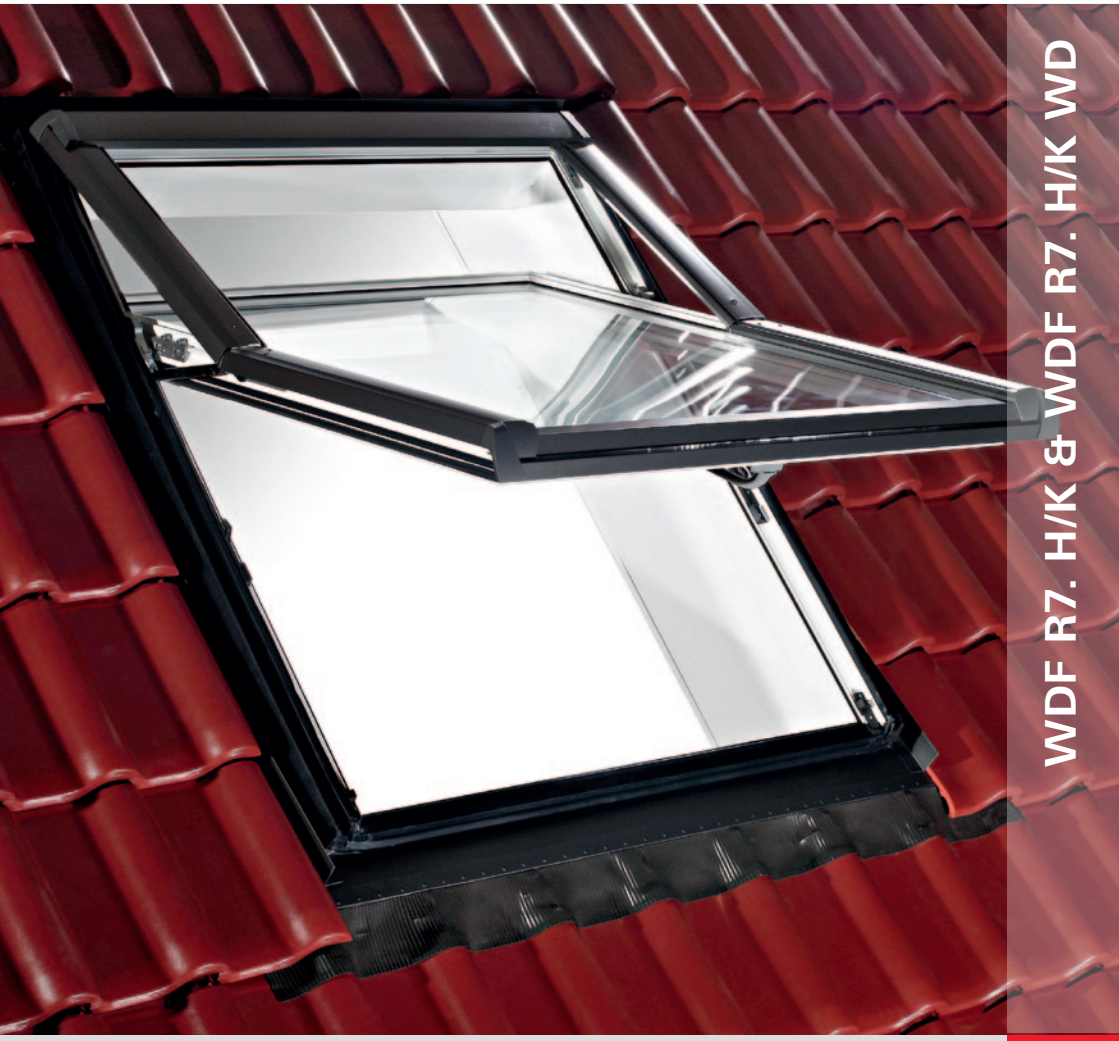
Wohndachfenster Designo R7

Roof window Designo R7



WDF R7. H/K & WDF R7. H/K WD

Deutschland
Hinweise/Sicherheitshinweise

- Die allgemeinen Unfallverhütungsvorschriften bei Dacharbeiten beachten.
- Die Baustelle gegen herabfallende Teile sichern.
- Bauphysikalische Grundlagen wie Wärmedämmung, Feuchteschutz, Regensicherheit/Wasserdichtheit und Lärmschutz beachten.
- Die Zahlen geben immer die Reihenfolge der Montage an!
- Technische Änderungen vorbehalten.

⚠ Eingriffe in Tragwerkkonstruktionen dürfen nur von qualifizierten Fachkräften ausgeführt werden!

In schneereichen Gebieten ist eine Scheefangeinrichtung oberhalb des Fensters zu montieren.

Für Einbaulatten nur Holz der Sortierklasse S. 13 verwenden. Die Höhen der Dachlatten und die Höhe der Einbaulatten müssen gleich sein!

France
Conseil/ Recommandation de sécurité

- Respecter le règlement général de prévention des accidents pour les travaux sur le toit.
- Assurer le chantier contre la chute de matériaux.
- Respecter les conditions de base relatives à la physique de bâtiment telles que l'isolation thermique, la protection contre l'humidité, contre la pluie/étanchéité à l'eau et protection contre le bruit.
- Les chiffres indiquent toujours l'ordre du montage !
- Sous réserve de modifications.

⚠ Les interventions au niveau d'éléments porteurs ne doivent être réalisées que par une main-d'œuvre qualifiée!

Dans les régions très enneigées, il est nécessaire de monter un dispositif d'arrêt de la neige au dessus de la fenêtre.

Pour les lattes d'installation, utiliser exclusivement du bais sans noeuds et sans fissures. L'épaisseur des liteaux et l'épaisseur des lattes d'installation daivent être identiques!

Great Britain
Safety advice/recommendations

- Observe the general regulations for prevention of accidents concerning work on the roof.
- Secure site against falling parts.
- Observe basics of building physics, as heat insulation, protection against moisture, rain shielding/ waterproofness, and noise protection.
- The numbers specify the assembly sequence.
- We reserve the right to make any amendement.

⚠ Work on the frame structure may only be performed by qualified personnel!

For sites where high snowfall can be expected, protection or a deflector should be provided above the window.

For installation laths, use wood of the grading class MS 13/C35 only. The thickness of the roof battens and the thickness of the installation laths have to be identical!

Nederland/Belgique
Veiligheid/aandachtspunten

- U dient bij werkzaamheden aan/op het dak de algemene voorschriften ter voorkoming van ongevallen in acht te nemen.
- U dient de bouwplaats tegen neervallende delen te beveiligen.
- U dient de bouwkundige principes zoals warmte-isolatie, vochtwering, bescherming tegen regenwater/ waterdichtheid en geluidswering in acht te nemen.
- De getallen geven altijd de volgorde van de montagewerkzaamheden aan!
- Technische veranderingen voorbehouden.

⚠ Ingrepen in de draagconstructies mogen uitsluitend door daartoe gekwalificeerd personeel worden uitgevoerd!

In sneeuwrijke gebieden moet een sneeuwvanginrichting boven het raam worden gemonteerd.

Voor inbouwlatten mag u alleen hout van sorteerklasse S13 gebruiken. De hoogte van de daklatten en de hoogte van de inbouwlatten moeten gelijk zijn!

España
Consejo/recomendación de seguridad

- Tenga en cuenta las prescripciones generales de prevención de accidentes para trabajos en el tejado.
- Asegure la obra contra objetos que pudieran caer.
- Tenga en cuenta los principios físicos constructivos tales como aislamiento térmico, protección contra la humedad, seguridad contra el agua y protecci contra el ruido.
- Los números indican siempre el orden de montaje.
- A reserva de modificaciones.

⚠ Cualquier modificación en los elementos estructurales debe ser realizada únicamente por personal especializado!

En zonas de grandes nevadas debe montarse un dispositivo colector de nieve por arriba de la ventana.

Utilizar únicamente madera de la clase de seleccion MS 13 para los listones que se desean. La altura de los listones del tejado y de los listones que se desean montar debe ser igual!

Portugal
Conselhos/recomendações de segurança

- Cumpra com as normas gerais para a prevenção de acidentes.
- Proteja o local da construção contra a queda de quaisquer peças.
- Atenda aos princípios fundamentais fisicotécnicos da construção civil, tais como isolamento térmico, protecção anti-humidade, segurança pluvial/impermeabilidade à água e protecção contra a poluição sonora.
- Os algarismos indicam sempre a ordem da montagem!
- Sob reserva de modificações.

⚠ A realização de toda e qualquer intervenção nos vigamentos só está autorizada a pessoal especializado devidamente qualificado!

Em zonas de muita neve, é necessário montar um dispositivo colector de neve por cima da janela.

Utilize exclusivamente madeira da classe de qualidade S 13 para as fasquias de montagem. Tanto as alturas das ripas do telhado como a altura das fasquias de montagem deverão ser idênticas!

Polska
Wskazówki/wskazówki bezpieczeństwa

- Należy przestrzegać ogólnych przepisów bezpieczeństwa pracy przy robotach dachowych.
- Zabezpieczyć miejsce budowy przed spadającymi częściami.
- Przestrzegać przy montażu podstaw fizyki budowlanej takich jak: izolacja cieplna, ochrona przeciwwilgociowa, zabezpieczenie przed deszczem/ wodoszczelność i dźwiękoszczelność.
- Cyfry podają kolejność montażu!
- Zmiany techniczne zastrzeżone.

⚠ Wszelkich ingerencji w konstrukcje nośne mogą dokonywać wyłącznie wykwalifikowani fachowcy!

W rejonach z dużymi opadami śniegu należy powyżej okna zamontować dachową barierę przeciwśniegową.

Do montażu stosować wyłącznie łaty z drewna o jakości klasy I. Grubość łat dachowych i łat montażowych musi być identyczna!

Россия/ Україна
Указания/рекомендации по безопасности

- Ознакомьтесь с общими указаниями во избежание травматизма при работе на крыше:
- Обезопасьте строительную площадку на случай падения используемого материала / инструмента.
- При монтаже соблюдайте основные принципы из области строительной физики, такие как тепло-, паро-, гидро- и звукоизоляция.
- Цифры на рисунках показывают последовательность их монтажа!
- Производитель оставляет за собой право на внесение изменений.

⚠ Работы с несущими конструкциями здания и любые изменения в них могут производиться только квалифицированным персоналом!

В районах с обильными снегопадами поверх окна должно быть установлено снегозадерживающее устройство.

Для монтажных реек должна использоваться древесина первого сорта.Высота обрешетки (контрбруса) и высота монтажных реек должна быть одинаковой!

Eesti
Näpunäited/ohutusjuhend

- Katusel töötades tuleb pidada kinni üldistest ohutustehnika eeskirjadest.
- Kaitsta objekt ülevalt kukkuda võivate materjalide ja tööriistade eest.
- Paigalduse käigus pidada kinni ehitusfüüsika põhialustest: lengiümbruse soojusisolatsioon, veekindlus, aurutõke seestpoolt, heliisoatsioon.
- Numbrid juhise piltidel näitavad paigaldusetappide järjekorda!
- Tootja jätab endale õiguse tehniliste muudatuste sisseviimiseks.

⚠ Katuse kandekonstruktsioone võivad muuta ainult vastavat kvalifikatsiooni omavad töötajad!

Lumerikastes piirkondades tuleb monteerida akna kohale lumepüüdur.

Akna paigalduslattidena kasutada ainult 1. klassi puitu. Roovlattide ja akna paigalduslattide paksus peab olema võrdne!

Latvija
Norādījumi/drošības norādījumi

- Jāievēro vispārējie drošibas darba pasākumi pie jumta darbiem.
- Nodrošināt, lai celtniecības vietu neapdraud krītošas konstrukcijas vai priekšmeti.
- Veicot montāžu jāievēro fizikas pamatlikumi, tādi kā: termoizolācija, aizsardzība pret mitrumu, nodrošinājums pret lietu un skaņas izolācija.
- Cipari norāda montāžas secību.
- Pieļaujamas tehniskas izmaiņas.

⚠ Jebkādus uzlabojumus nesošajās konstrukcijās var veikt tikai kvalificēti darbnieki!

Reģionos ar lielu sniega daudzumu virs loga ir jāuzmontē sniega savācējs.

Montaāžai lietot tikai pirmšķirīgas kvalitātes koka latas. Latām jumta latojumā jābūt vienādā biezumā!

Lietuva
Nurodymas/saugumo taisyklės

- Būtina imtis bendrų darbo saugumo primonių.
- Apsaugoti darbo vietą nuo krentančių elementų.
- Laikytis statybinių normų reikalavimų šilumos izoliacijai, drėgmės izoliacijai, nepralaidumo lietaus vandeniui, garso izol iacijai.
- Skaičiai paveikslėliuose parodo montavimo eiliškumą.
- Galimi techniniai pakitimai.

⚠ Bet kokius pakeitimus lango konstrukcijoje gali atlikti tik kvalifikuotas personalas!

Vietovėse, kuriose vyrauja sniegingos žiemos, virš lango būtina pritvirtinti sniego sulaikymo užtvaras.

Jeigu, montuojant stogo langus, neužtenka atstumo tarp gegnių, stogo konstrukcijos perdarymas galimas tik iš tokios pat medienos kaip ir gegnės!

Česká republika
Doporučení/bezpečnostní upozornění

- Dodržujte všeobecné bezpečnostní předpisy pro práci na střeše.
- Zajistěte staveniště proti případnému pádu dílů.
- Respektujte stavebně-fyzikální podklady týkající se tepelné izolace, ochrany proti vlhkosti, vodotěsnosti při dešti a sněžení a ochraně proti hluku.
- Čísla vždy vyjadřují posloupnost jednotlivých kroků montáže!
- Technické změny vyhraženy.

⚠ Zásahy do nosné konstrukce střechy mohou provádět jen kvalifikovaní pracovníci!

Ve sněhových oblastech je zapotřebí namontovat nad oknem zařízení k zachycení sněhu.

Pomocné montážní latě musejí být ze dřeva bez suků a prasklin. Výška střešních latí a pomocných montážních latí musí být stejná!

Slovenská republika
Pokyny/bezpečnostné upozornenie

- Dodržiavajte všeobecné bezpečnostné predpisy pre prácu na streche.
- Zabezpečte stavenisko proti prípadnému pádu dielcov.
- Rešpektujte stavebno-fyzikálne podklady týkajúce sa tepelnej izolácie, ochrany proti vlhkosti, vodotesnosti pri daždi a snežení a ochrany proti hluku.
- Čísla vždy vyjadrujú postupnosť jednotlivých krokov montáže!
- Technické zmeny vyhradené.

⚠ Zásahy do nosnej konštrukcie strechy môžu vykonávať len kvalifikovaní pracovníci!

V oblastiach, kde často sneží, je nutné nad okno namontovať zariadenie na zachytávanie snehu.

Pomocné montážne laty musia byť z dreva bez uzlov a prasklín. Výška strešných lát a pomocných montážnych lát musí byť rovnaká!

Magyar Köztársaság
Utasítások/Biztonsági előírások

- A tetőfedő munkáknál figyelembe kell venni a balesetvédelmi előírásokat.
- Biztosítsák a beépítés helyszínét, hogy az esetlegesen lehullló hulladék, illetve egyéb anyagok ne okozzanak balesetet.
- Vegyék figyelembe az épületfizikai alapokat, így a hőszigetelést, nedvességvédelmet,vízzáróságot és zajvédelmet.
- A számok mindig a szerelés sorrendjét mutatják.
- Műszaki változtatások jogát fenntartjuk.

⚠ A tartószerkezetekhez csak képzett szakemberek nyúlhatnak hozzá!

Ahol gyakran havazik, az ablak felett hófogókat kell felszerelni.

A lécezéshez csak csomó és repedésmentes fát szabad felhasználni. A tetőlécek és a segédlécek magassága megegyező legyen!

Slovenija
Navodila

- Upoštevajte splošne predpise za varnost na strehi.
- Zavarujte gradbišče pred padajočimi deli s strehe.
- Upoštevajte gradbeno fizikalne osnove, kot so toplotna izolacija, zaščita pred vlago, varnost pred vdorom dežja/vode in zaščita pred hrupom.
- Številke vedno kažejo vrstni red vgradnje!
- Pridržujemo si pravico do tehničnih sprememb.

⚠ Posege na nosilni konstrukciji smejo izvajati le kvalificirani strokovnjaki!

Na področjih z veliko snega se mora iznad okna montirati lovilnik snega.

Za vgradne letve uporabljajte le les vrste S 13. Višina strešnih letev in vgradnih letev mora biti enaka!

Italia
Consigli/Indicazioni di sicurezza

- Durante i lavori sul tetto osservare le norme antinfortunistiche genrali.
- Assicurare il luogo di lavoro contro la possibile caduta die pezzi.
- Osservare i principi fondamentali fisici di costruzione quali l'isolamento termico, l'isolamento per l'umidità, la protezione contro l'acqua piovana/ impermeabilità all'acqua, la protezione acustica.
- I numeri indicano sempre la sequenza di montaggio!
- Escluse modifiche tecniche.

⚠ Gli interventi nelle strutture portanti devono essere eseguite solo dal personale specializzato!

In aree soggette a forti nevicate è necessario montare un dispositivo di raccolta della neve sopra la finestra.

Per le assicelle di montaggio utilizzare solo legno senza nodi ed incrinature. Le altezze bei listoni del tetto e le altezze delle assicelle di montaggio devono essere uguali!

Hrvatska/Bosna i Hercegovina
Napomene/sigurnosne napomene

- Pridržavajte se općih propisa sigurnosti za radove na krovu.
- Osigurajte gradilište od dijelova koji mogu pasti s krova.
- Pridržavajte se građevinsko fizikalnih osnova kao što su toplinska izolacija, zaštita od vlage, sigurnost od prodora kiše/brtvljenje i zaštita od buke.
- Brojevi označavaju redoslijed kod montaže!
- Pridržano pravo tehničkih izmjena.

⚠ Radove na nosivim konstrukcijama smiju izvoditi samo kvalificirani stručnjaci!

U snijegom bogatim krajevima treba montirati uređaj za zaštitu od snijega iznad prozora.

Za ugradbene letve upotrebljavajte samo drvo 1. klase. Visina krovnih letava i visina ugradbenih letava mora biti jednaka!

Romania
Măsuri de siguranță

- Respectați măsurile de siguranță valabile pentru lucrările pe acoperiș.
- Asigurați șantierul contra căderii oricăror obiecte de pe acoperiș.
- Respectați regulile impuse de fizica acoperișului cum ar fi : termoizolația, hidroizolația, protecția contra precipitațiilor, protecția contra umezelii și protecția fonică.
- Numerele reprezintă întotdeauna ordinea!
- Ne rezervăm dreptul a face schimbări din punct de vedere tehnic.

⚠ Lucrările legate de structura de bază/siguranță efectuate la acoperiș se execută numai de către personalul calificat.

În zonele bogate în ninsoare, deasupra ferestrei se va monta un dispozitiv de reținere a zăpezii.

Pentru stinghiile de fixare a se folosi numai lemn calitatea I . Înălțimea stinghiilor și al
caroiajului trebuie să fie egală.

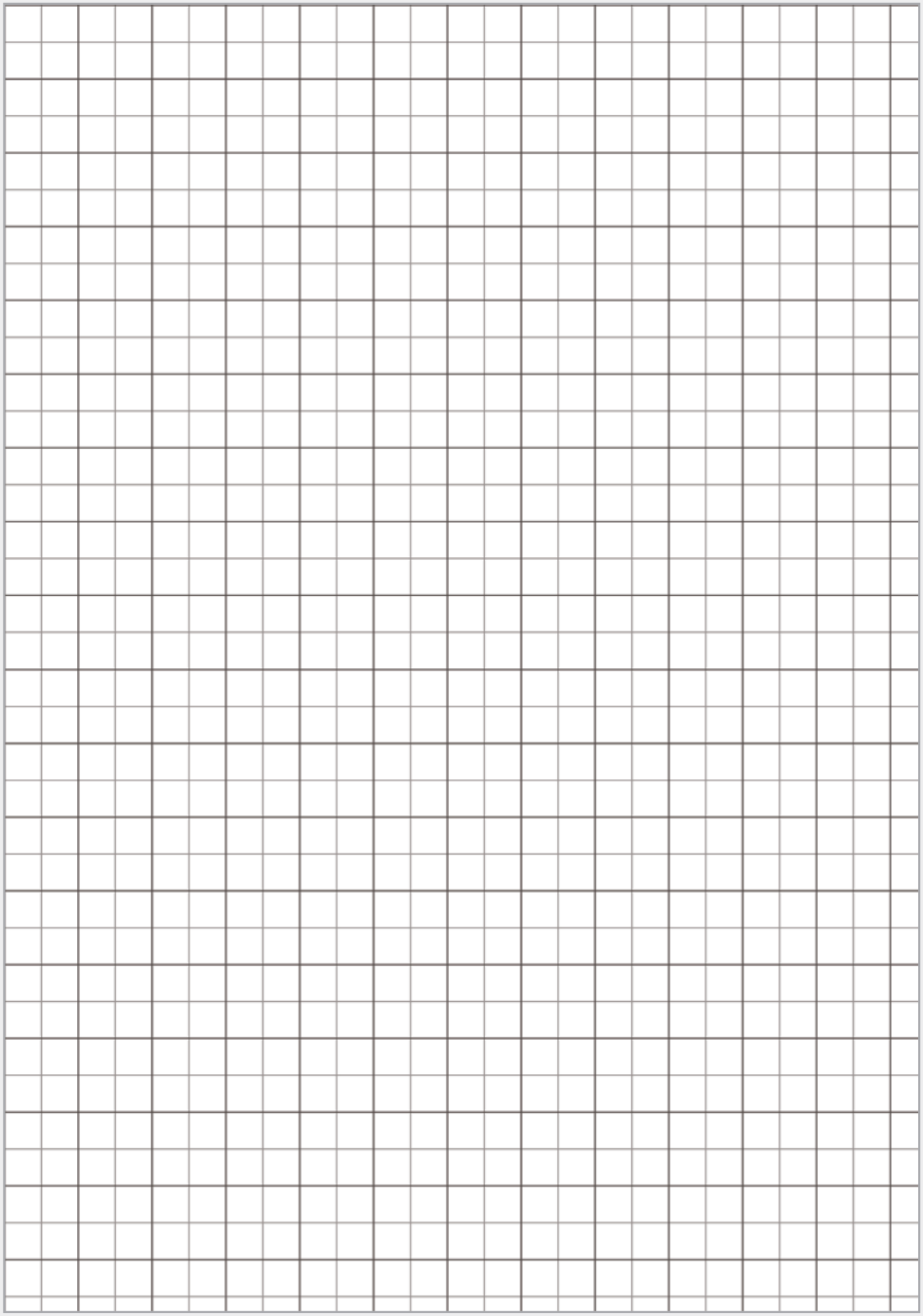
Greece
Συμβουλή/σύσταση ασŁαλείας

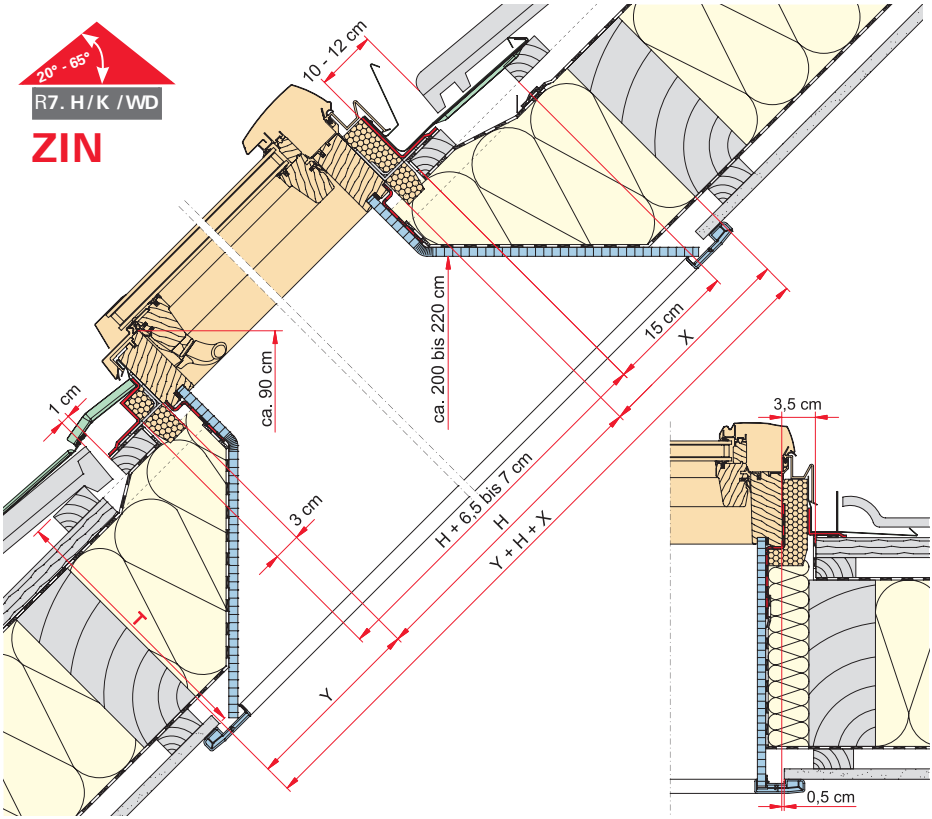
- Τηρήστε τα γενικά προληπτικά μέτρα ασφαλείας για τις εργασίες σε οροφές κτιρίων.
- Ασφαλίστε το εργοτάξιο απο τυχόν πτώση αντικειμένων.
- Λάβετε υπόψη τις βασικές φυσικές κατασκευαστικές αρχές, όπως η θερμομόνωση, η προστασία από την υγρασία, η προστασία από τη βροχή/ η υδατοστεγανότητα και η αντιθορυβική προστασία.
- Οι αριθμοί αντιστοιχούν πάντα στη σωστή σειρά τοποθέτησης!
- Με την επιφύλαξη τροποποιήσεων.

⚠ Οι επεμβάσεις στη φέρουσα κατασκευή επιτρέπεται να πραγματοποιούνται αποκλειστικά από εξειδικευμένο προσωπικό!

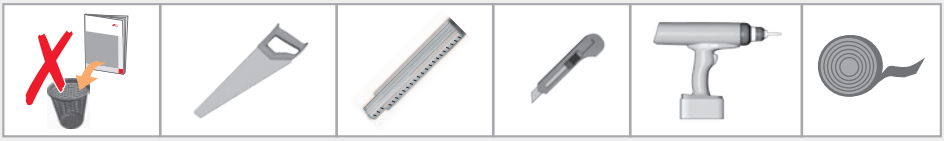
Σε περιοχές με πολύ χιόνι πρέπει να τοποθετηθεί μια διάταξη συγκράτησης/εκτροπής του χιονιού επάνω από το παράθυρο.

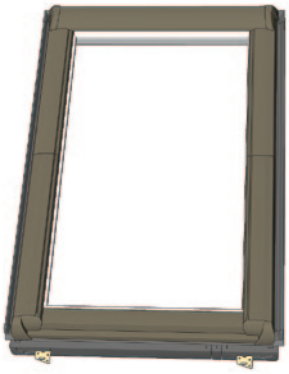
Για τις δοκούς τοποθέτησης χρησιμοποιηστε αποκλειστικά ξύλο της κατηγορίας ταξινόμησης S 13. Το ύψος των δοκών της οροφής και το ύψος των δοκών τοποθέτησης πρέπει να είναι το ίδιο!



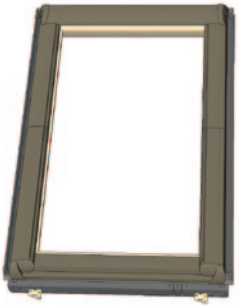


ZIN		20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
T=26 cm	X	48	38	31	25	21	18	15	13	11	9	7
	Y	7	9	11	13	15	18	21	25	31	38	48
T = 28 cm	X	54	42	34	28	24	20	17	14	12	10	8
	Y	8	10	12	14	17	20	24	28	34	42	54
T = 30 cm	X	59	46	38	31	26	22	18	15	13	10	8
	Y	8	10	13	15	18	22	26	31	38	46	59
T = 32 cm	X	65	51	41	34	28	24	20	17	14	11	59
	Y	9	11	14	17	20	24	28	34	41	51	65
T = 36 cm	X	76	59	48	40	33	28	23	20	16	13	10
	Y	10	13	16	20	23	28	33	40	48	59	76
T = 40 cm	X	87	68	55	45	38	32	27	22	19	15	12
	Y	12	15	19	22	27	32	38	45	55	68	87

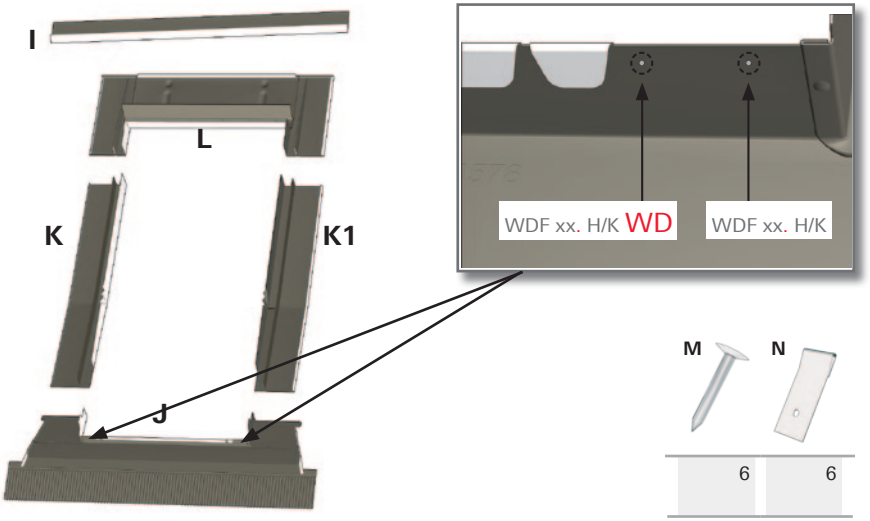


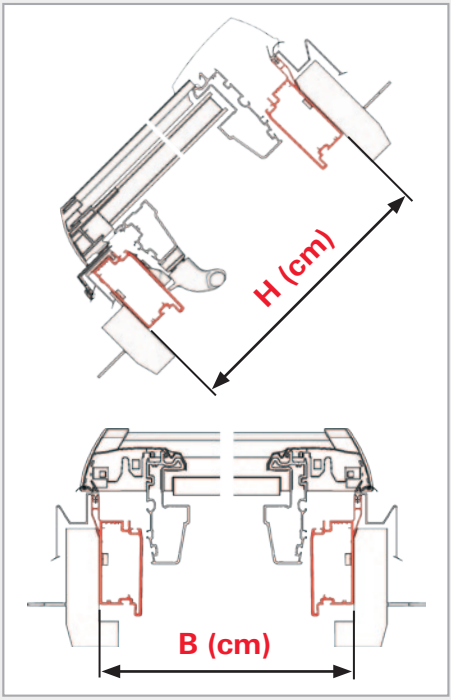


	A ø4,0 x30	B	C ø4,0 x20	D ø3,9 x19	E	F	G
R7. K	8	1	2		2		8
R7. K 13/09 13/14	 12 16	 3 5	 2 2	 4	 2 2	 2	 8 8
R7. K xx/11 xx/14	 12 12	 3 3	 2 2	 4 4	 2 2	 2 2	 8 8
R7. K xx/16	16	5	2	8	2	4	8
R7. K WD	8	1	2		2		8
R7. K WD 13/09 13/14	 12 16	 3 5	 2 2		 2 2		 8 8
R7. K WD xx/11 xx/14	 12 12	 3 3	 2 2		 2 2		 8 8
R7. K WD xx/16	16	5	2		2		8

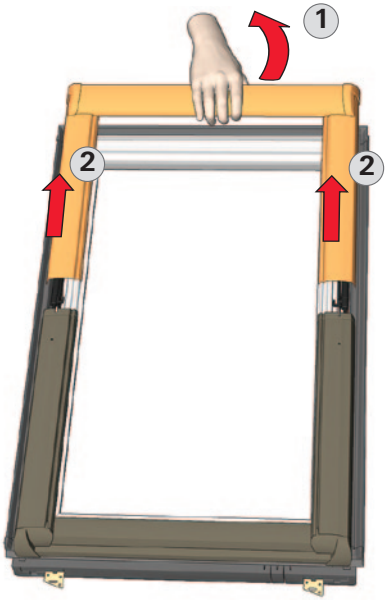


	A ø4,0 x30	B	C ø4,0 x20	E	H
R7. H	8	1	2	2	
R7. H xx/16	16	1	2	2	2
R7. H WD	8	1	2	2	
R7. H WD xx/16	12	1	2	2	





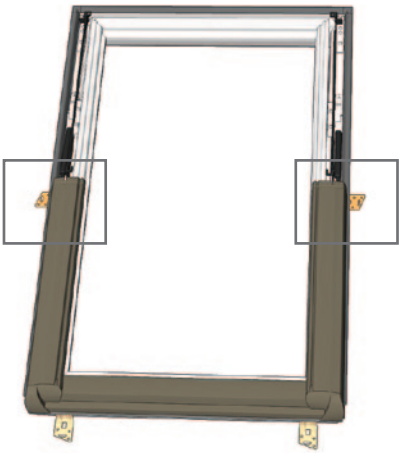
WDF Rx **K/ H, K/ H WD**

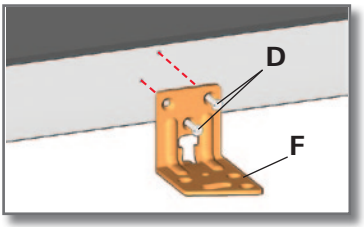


WDF
R7. **K** xx/11
xx/14

D 4x
ø3,9 x19

F 2x

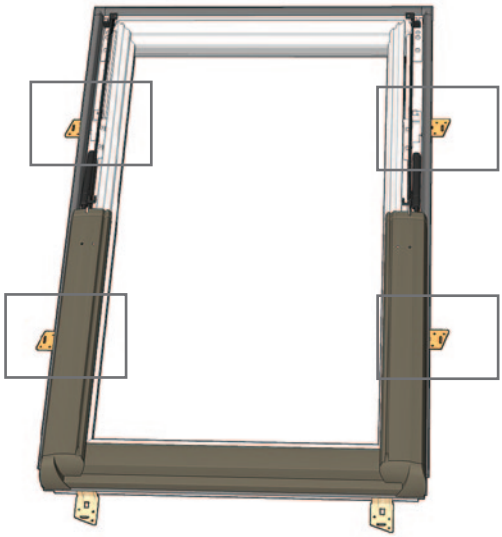


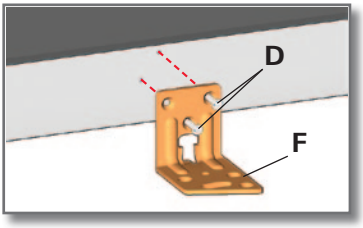


WDF
R7. **K** xx/16

D 8x
ø3,9 x19

F 4x

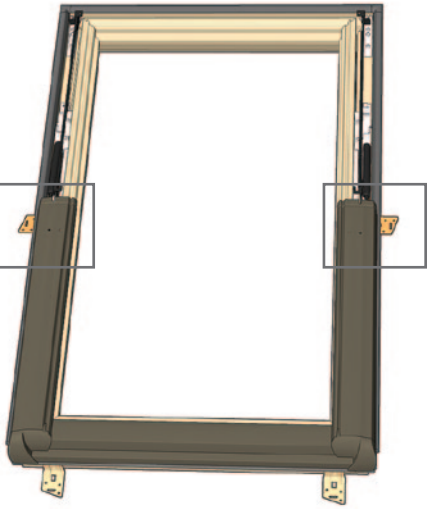


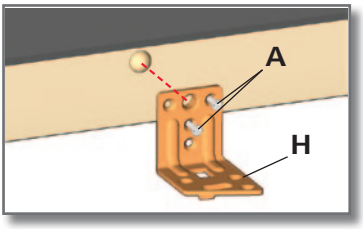


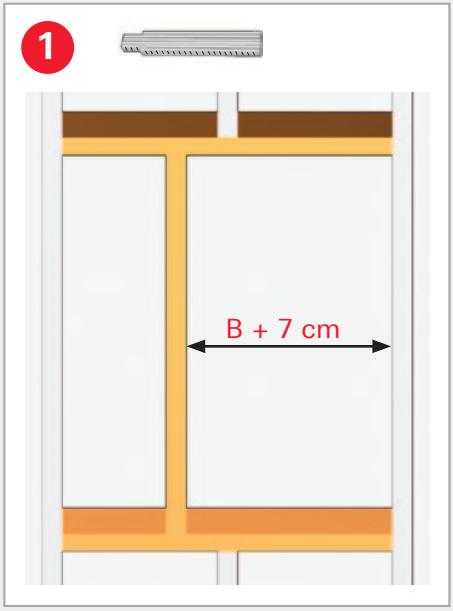
WDF
R7. **H** xx/16

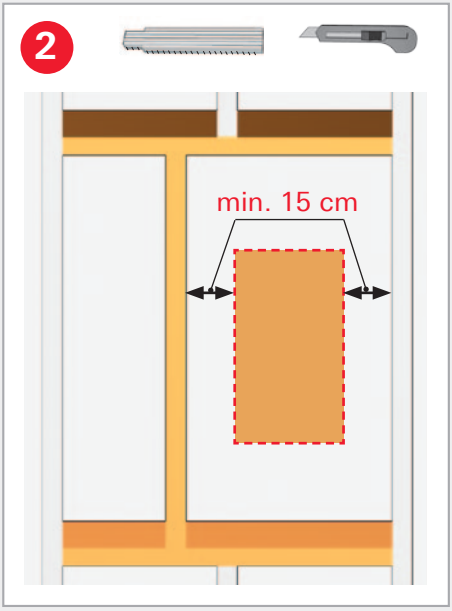
A 4x
ø4,0 x30

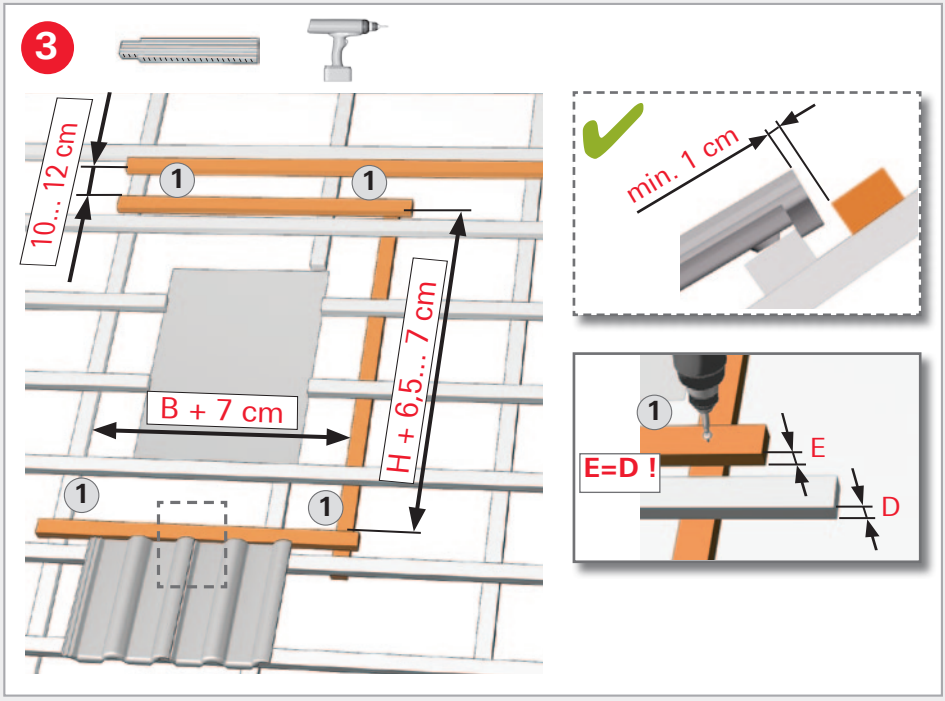
H 2x

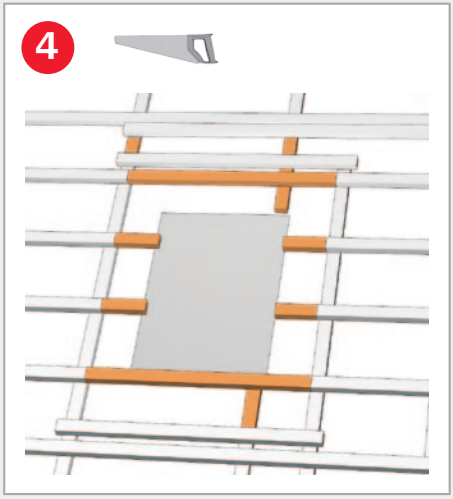


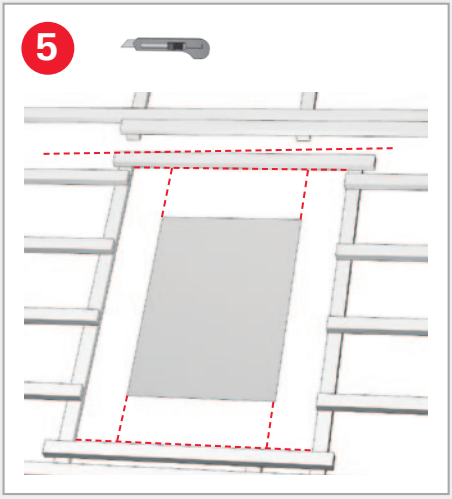


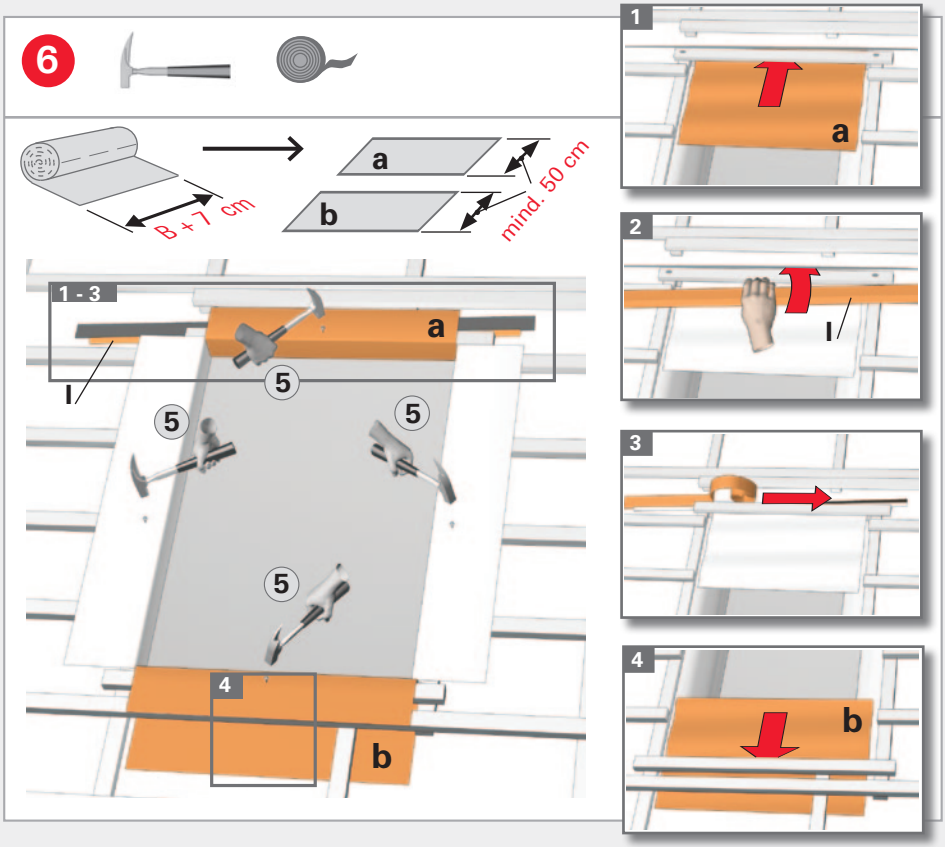

1
B + 7 cm


2
min. 15 cm

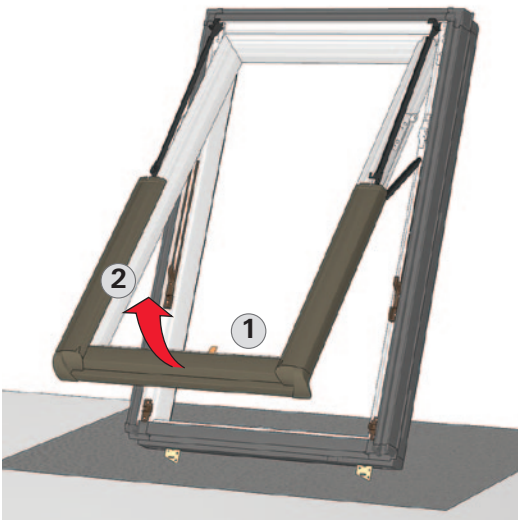

3
10... 12 cm
1
1
B + 7 cm
H + 6,5... 7 cm
1
1
min. 1 cm
1
E=D !
E
D

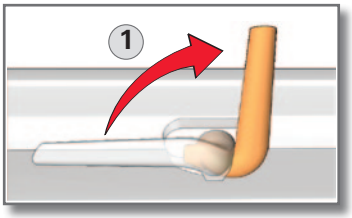

4


5

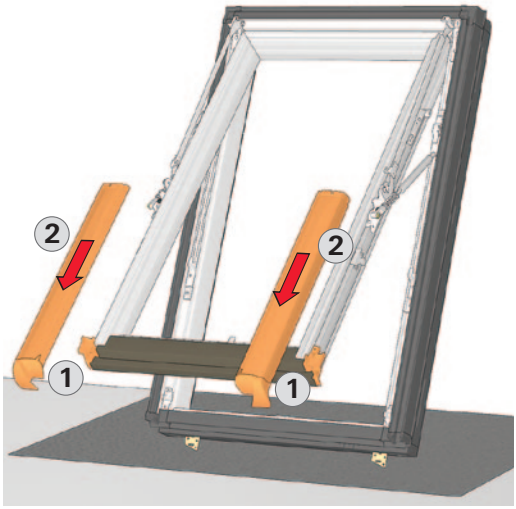

6
B + 7 cm
a
b
mind. 50 cm
1 - 3
a
l
5
5
5
5
4
b
1
a
2
l
3
4
b

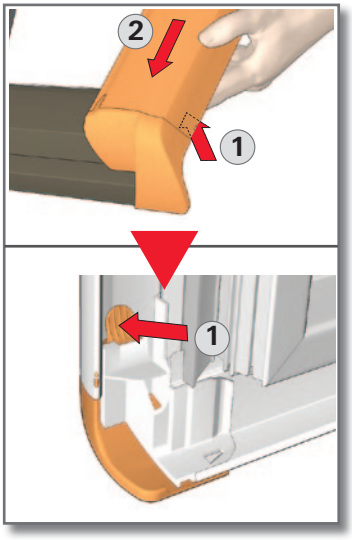
7





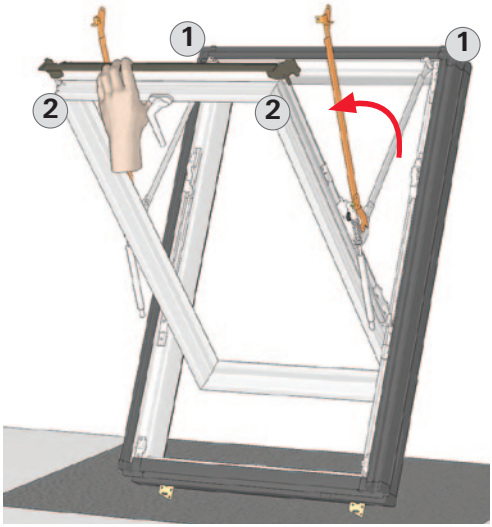
8

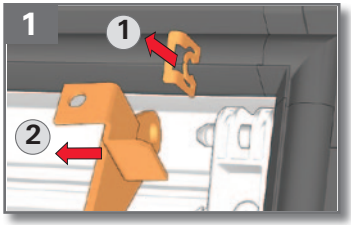


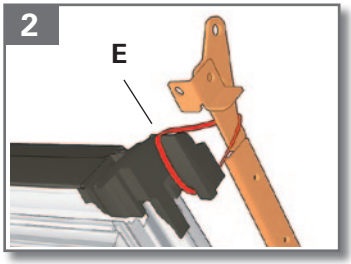


9

E 2x







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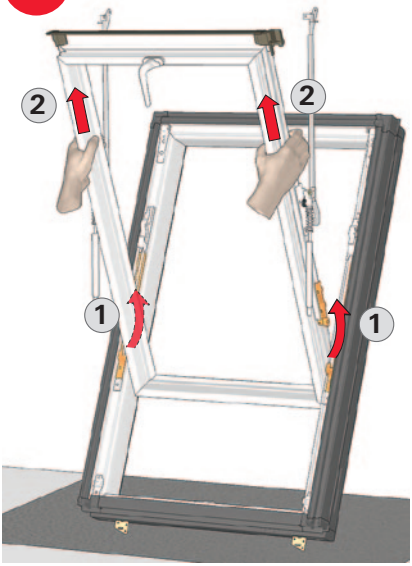
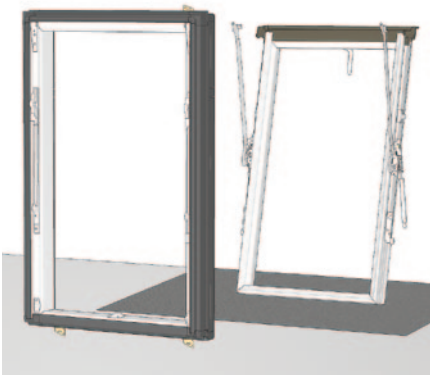


11

P

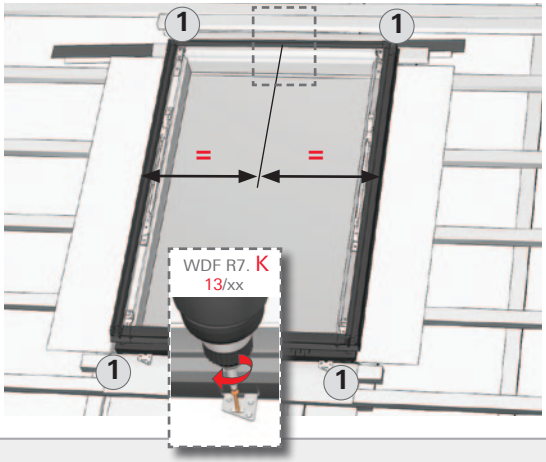


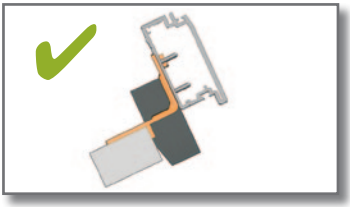
12

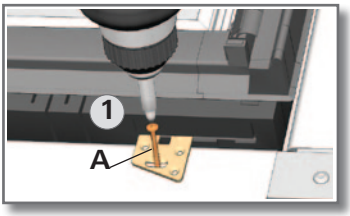
A 4x ø4,0 x30

WDF R7. **K / WD** 13/xx

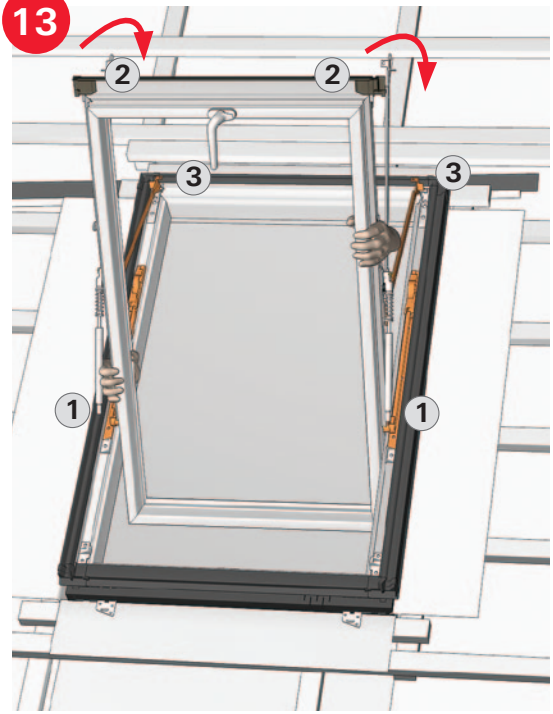
A 6x ø4,0 x30

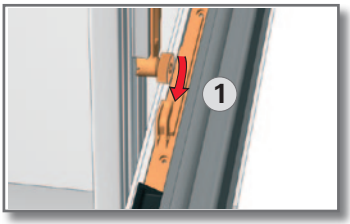


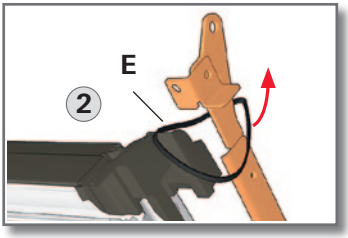


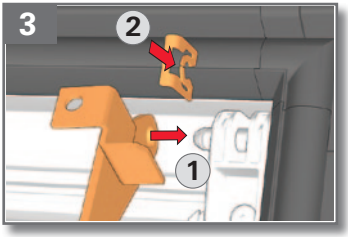


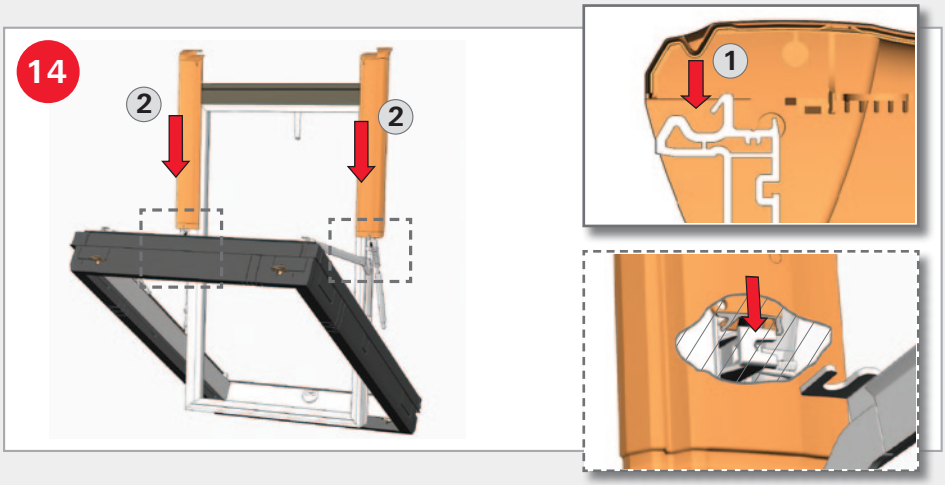
13

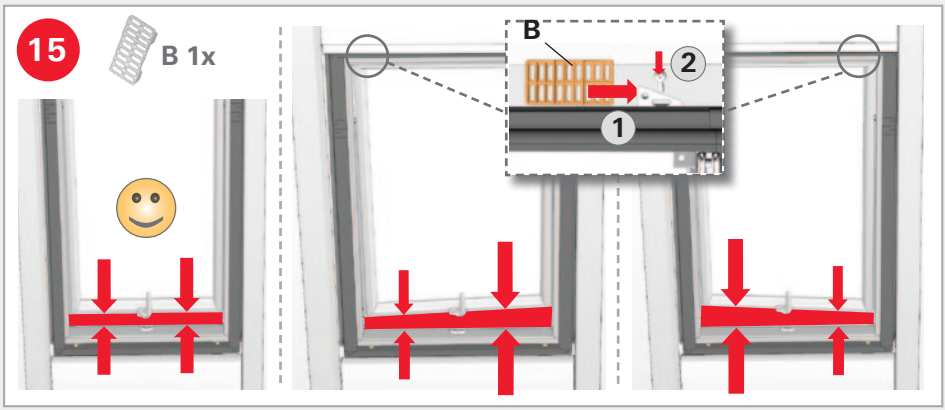


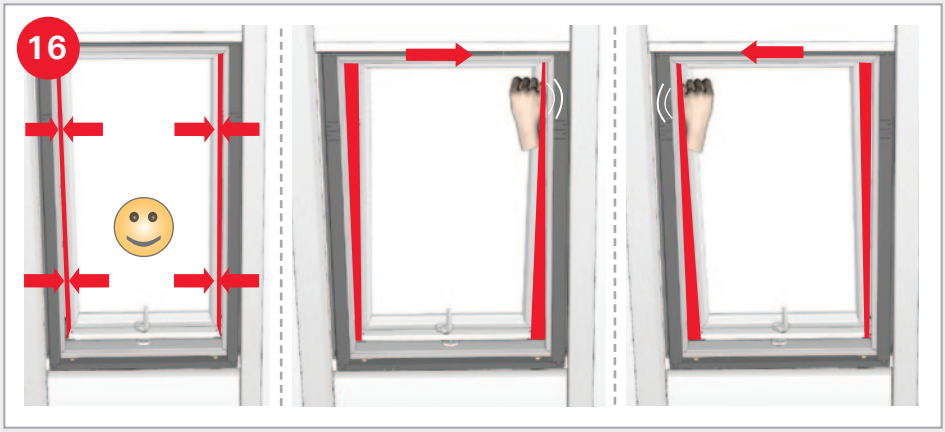







14
2
2
1


15
B 1x
B
2
1

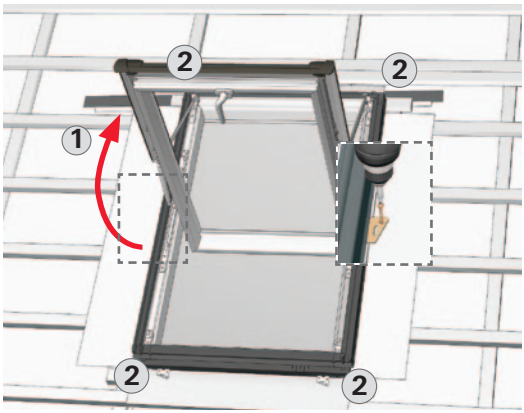

16

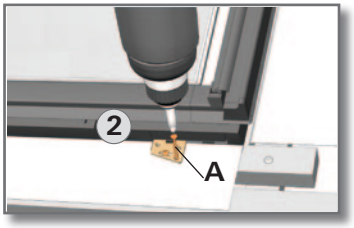
17

A 4x
ø4,0 x30

WDF
R7. **K / WD** 13/xx

A 6x
ø4,0 x30

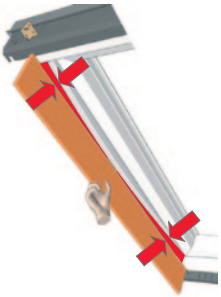


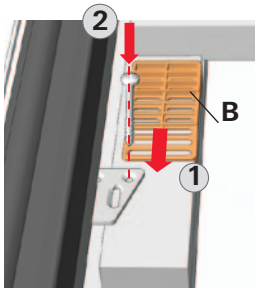


≥ xx/11
xx/16

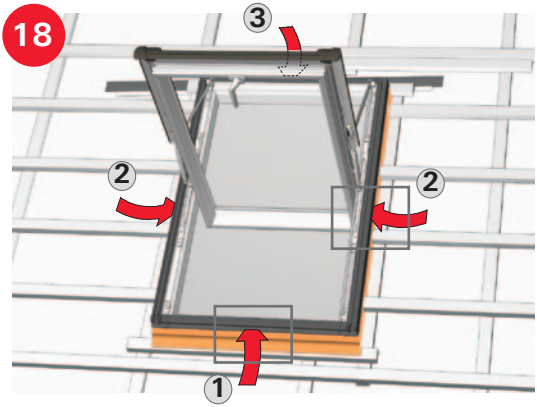
B 2x
B 4x

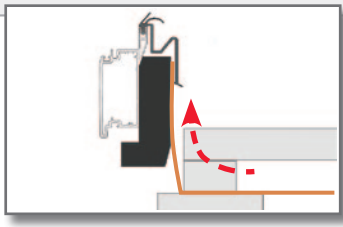
A 2x
A 4x
ø4,0 x30

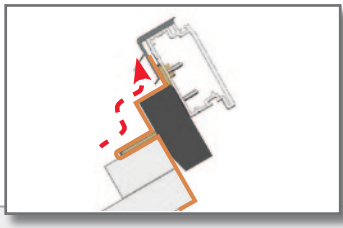




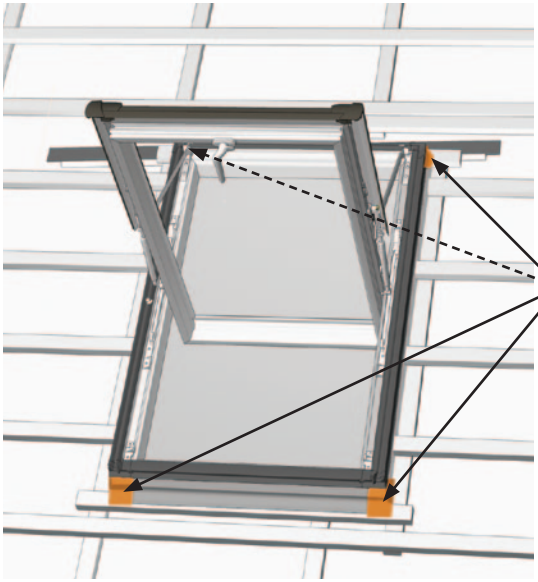
18

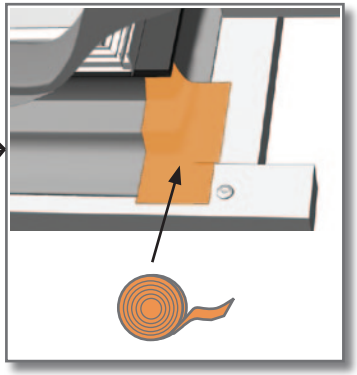






19



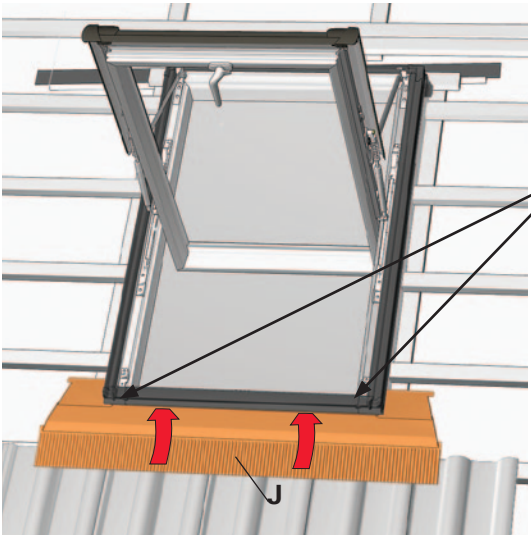


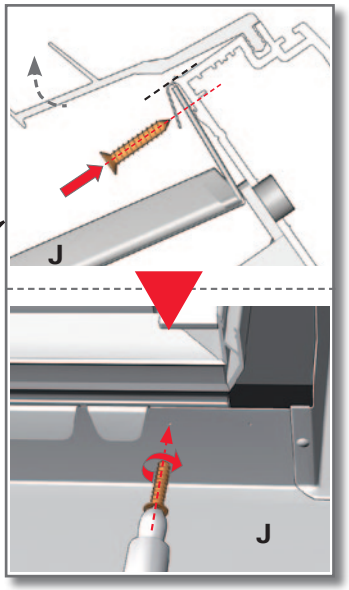
20

C 2x

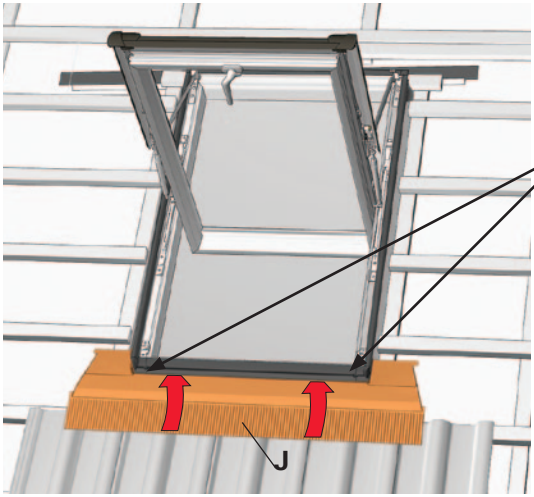
ø4,0 x20

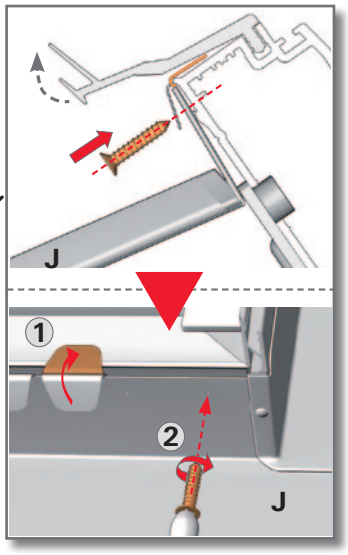
WDF xx. H/K **WD**

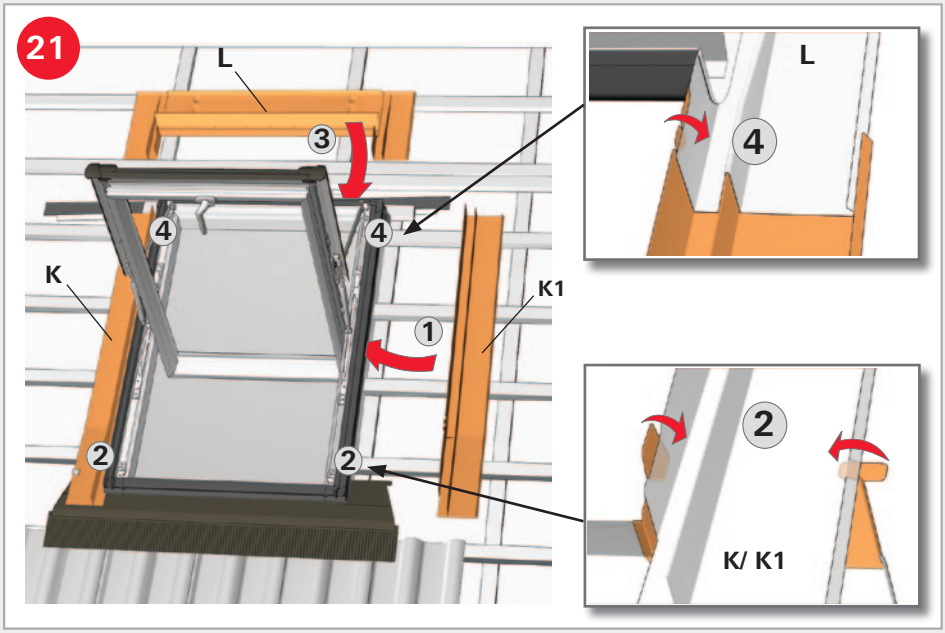


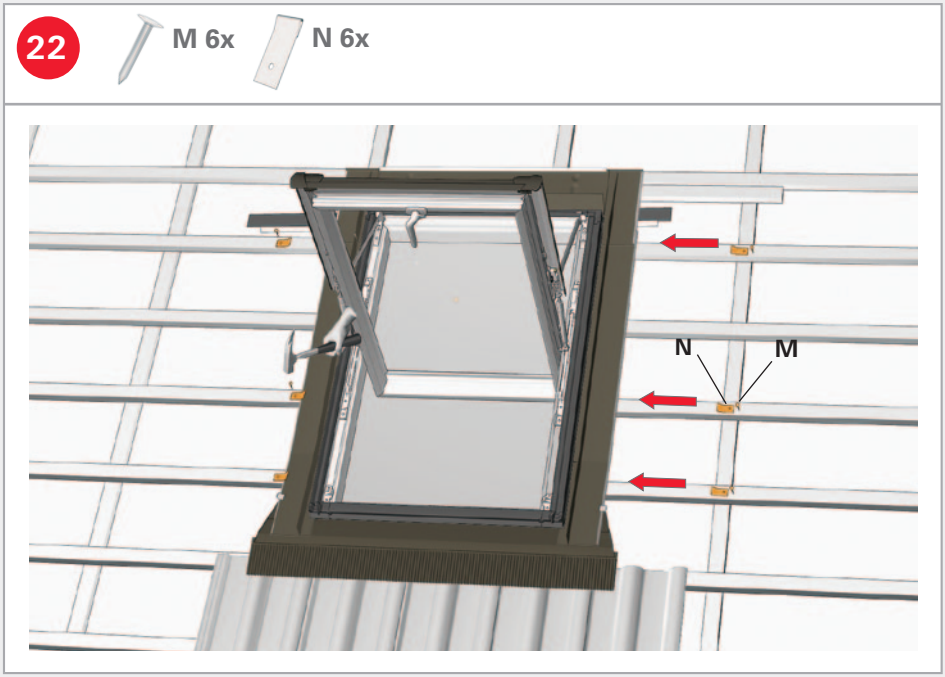


WDF xx. H/K

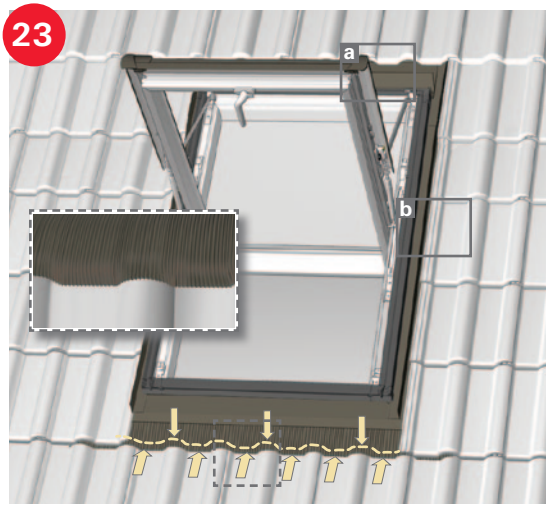


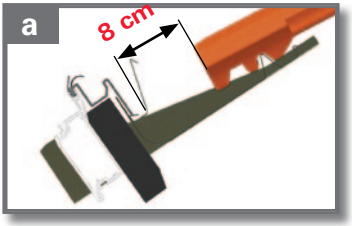


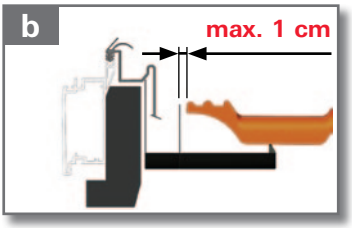

21
L
3
4
4
K
K1
1
2
2
L
4
2
K/ K1


22
M 6x
N 6x
N
M

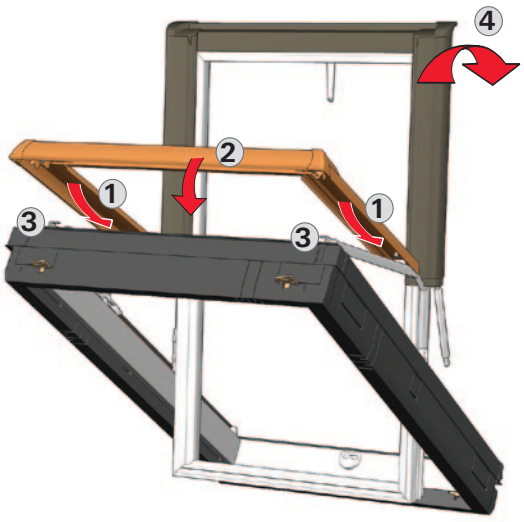
23

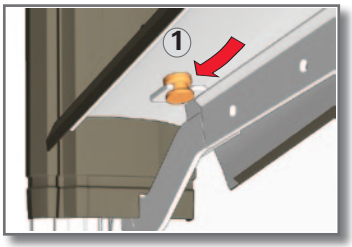


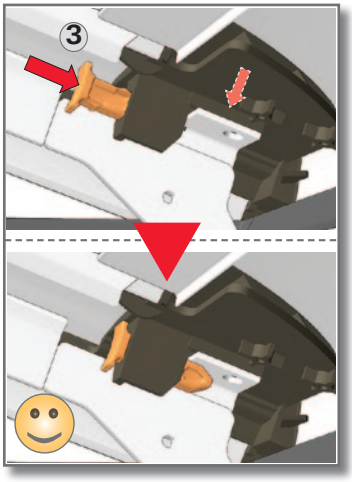




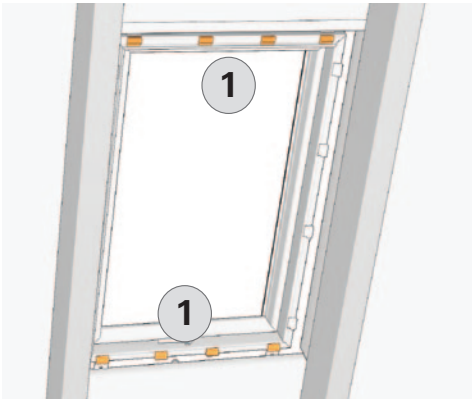
24

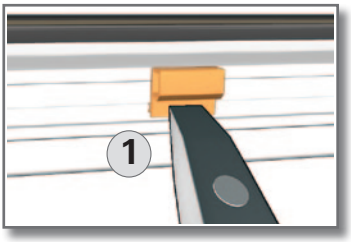






25 WDF xx. **K, K WD**





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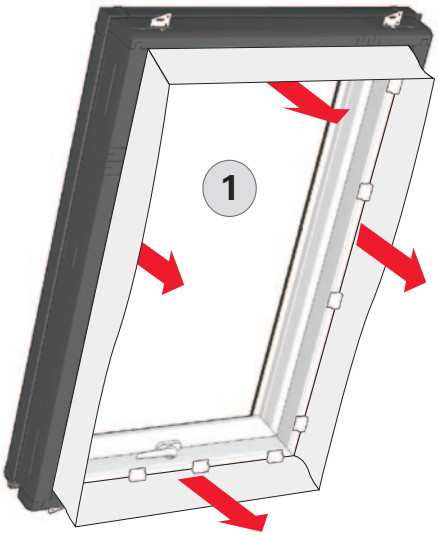

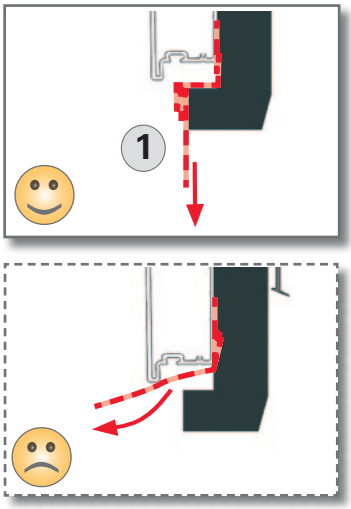

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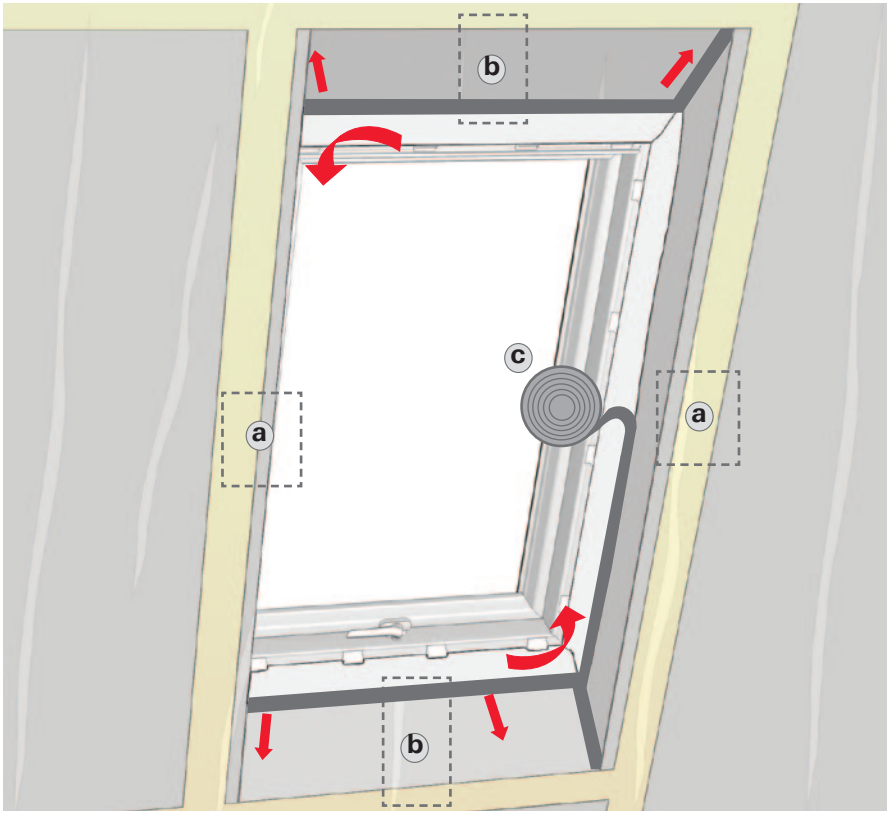
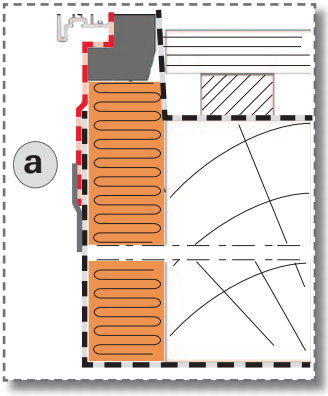
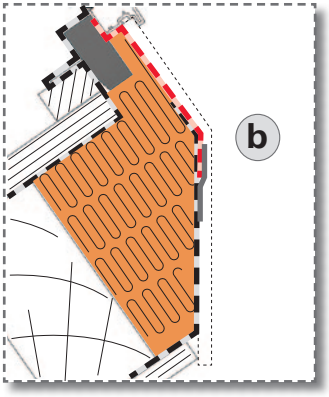
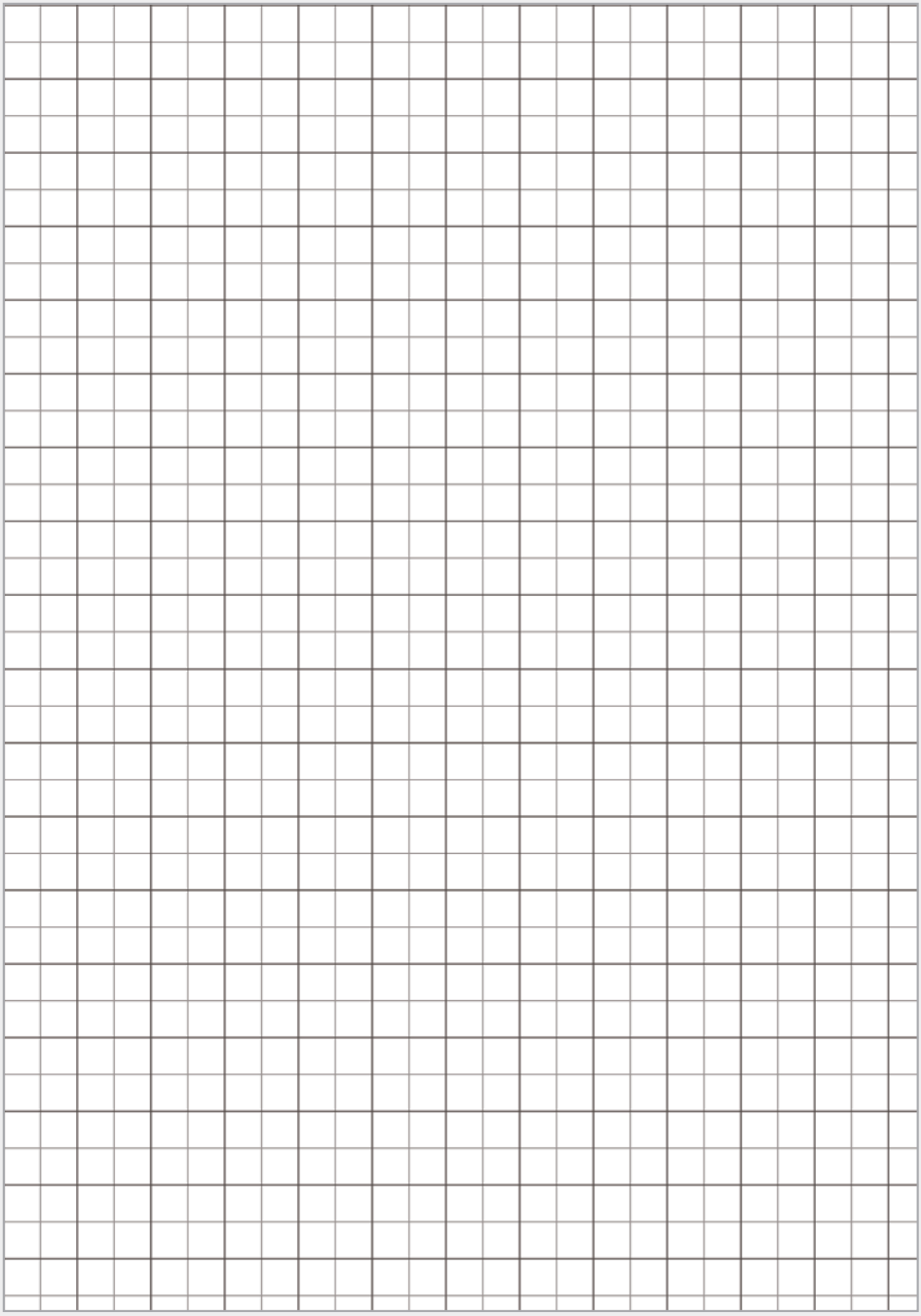








Flügel springt immer auf?
Feder auf beiden Seiten gleichmässig entspannen!

Si l'ouvrant s'ouvre seul?
Augmenter la tension des ressorts de la même valeur des deux côtés!

If the sash is opening itself?
You need to reduce the tension of the springs on both sides!

Vleugel springt altijd open?
Veren aan beide zijden gelijkmatig ontspannen!

La hoja se abre siempre por si sola?
Relajar el muelle uniformemente en ambos lados!

Batente abrindo-se inadvertidamente?
Distender a mola do mesmo modo em ambos os lados!

Skrzydło zbyt intensywnie podnosi się?
Równomiernie po obu stronach poluzować sprężyny!

Ваша створка открывается слишком резко?
Нужно уменьшить натяжение пружин с обеих сторон.

Kas Teie aken avaneb ise liialt palju?
Tuleb mõlemalt poolt raamivedrusid maha keerata!

Vērtne vienmēr atveras?
Vienmērīgi atlaist atsperes abās pusēs!

Varčia visada staiga pakyla?
Spyruokles atpalaiduoti. Tolygiai iš abiejų lango pusių!

Křídlo se samo otvírá?
Povolit pružiny stejnoměrně na obou stranách!

Krídlo sa samo otvára?
Na obidvoch stranách rovnako povoliť pružiny!

Az ablakszárny mindig kinyílik?
A rugót mind két oldalon egyenletesen meg kell lazítani!

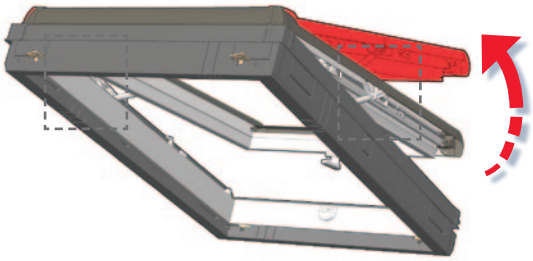
Krilo se vedno odpre?
Vymet na obeh straneh enakomerno popustite!

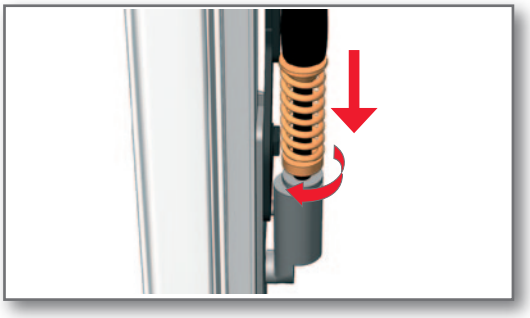
Se il battente si apre di scatto?
Allentare simmetricamente le molle su entrambi i lati!

Prozorsko krilo se samo otvara?
Ravnomjerno opustiti opruge s obje strane!

Fereastra se deschide de la sine?
Eliberați în aceeași măsură arcurile laterale!

Το πτερύγιο ανοίγει πάντοτε ξαφνικά?
Σφίξτε το ελατήριο και στις δύο πλευρές ομοιόμορφα!





Flügel fällt immer zu?
Feder auf beiden Seiten gleichmässig spannen!

Si l'ouvrant retombe?
Augmenter la tension des ressorts de la même valeur des deux côtés!

If the sash is closing itself?
You need to improve the tension of the springs on both sides!

Vleugel valt altijd open?
Veren aan beide zijden gelijkmatig ontspannen!

La hoja se cierra siempre por si sola?
Tensar el muelle uniformemente en ambos lados!

Batente fechando-se inadvertidamente?
Tender a mola do mesmo modo em ambos os lados!

Skrzydło ciągle opada?
Równomiernie po obu stronach naciągnąć sprężyny!

Ваша створка не держится в открытом положении и/или самостоятельно захлопывается?
Нужно увеличить натяжение пружин с обеих сторон.

Kas Teie aken ei püsi avatuna?
Tuleb mõlemalt poolt raamivedrusid pingutada!

Vērtne vienmēr aizveras?
Vienmērīgi nospriegot atsperes abās pusēs!

Varčia pati užsidaro?
Spyruokles įtempti. Tolygiai iš abiejų labgo pusių!

Křídlo se samo zavírá?
Pružiny na obou stranách stejnoměrně napnout!

Krídlo sa samo zavára?
Na obidvoch stranách rovnako nastaviť pružiny!

Az ablakszárny mindig becsukódik?
A rugókatt mindkét oldalon egyenletesen meg kell lazítani!

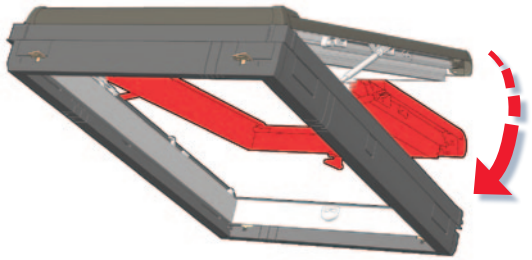
Krilo se vedno zapre?
Vymet na obeh straneh enakomerno napnite!

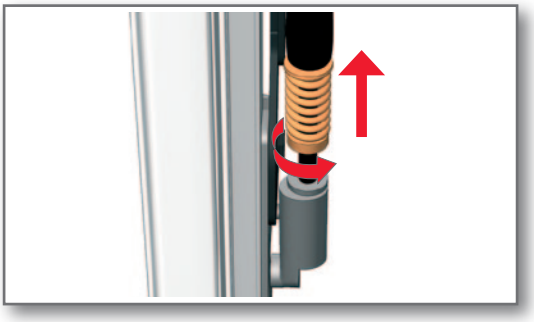
Se il battente si chiude di scatto?
Registrare simmetricamente le molle su entrambi i lati!

Prozorsko krilo se samo spušta?
Ravnomjerno zategnuti opruge s obje strane!

Fereastra se închide de la sine?
Înşurubaţi în aceeaşi măsură arcurile laterale!

Το πτερύγιο ανοίγει πάντοτε ξαφνικά?
Σφίξτε το ελατήριο και στις δύο πλευρές ομοιόμορφα!





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