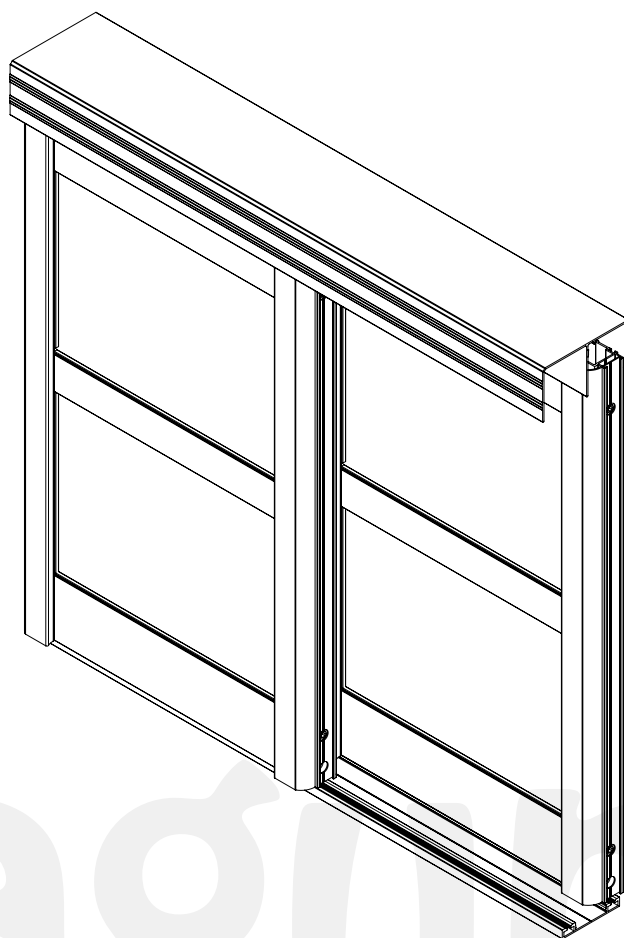
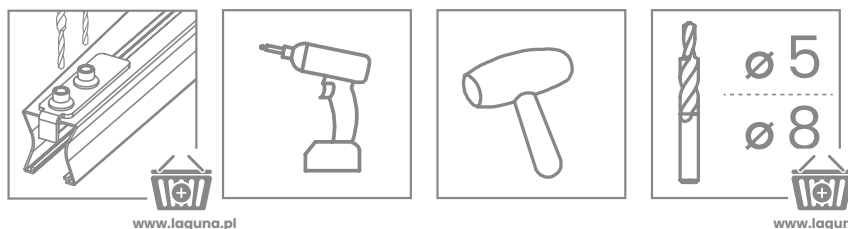
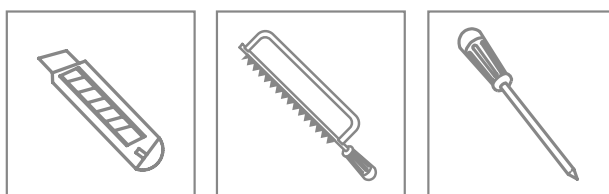




DO POPRAWNEGO MONTAŻU POTRZEBUJESZ NARZĘDZI:
FOR CORRECT ASSEMBLY YOU NEED TOOLS:



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Zestaw wiertel:

Drills set:



Ø2

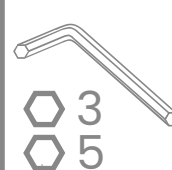
Zestaw bitów:

Bits set:



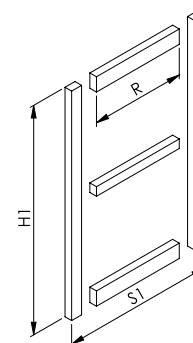
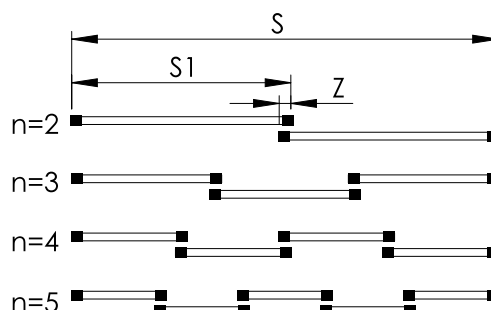
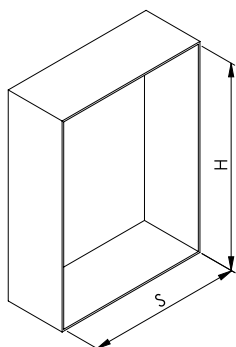
Komplet imbusów:

Allen keys set:



3
5

Płyta 10 mm / Board 10 mm



Z - zakładka między skrzydłami;
Z - overlap between door leaves

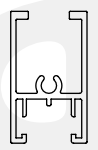
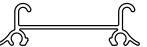
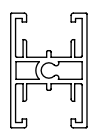
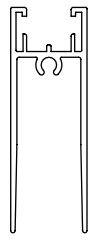
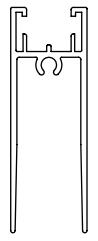
H1 - wysokość całkowita gotowego skrzydła;
H1 - total height of finished door leaf

n - liczba skrzydeł przyjęta do obliczeń;
n - number of door leaves that are calculated

S1 - szerokość całkowita gotowego skrzydła;
S1 - total width of finished door leaf

R - długość profili poziomych;
R - length of horizontal profiles

* wszystkie wymiary podane są w mm
* all dimensions are in mm

Rodzaj rączki Handle type		Szerokość skrzydła - S1 Width of door leaf - S1	Wysokość skrzydła - H1 (długość profili pionowych) Height of door - H1 (length of vertical profiles)		Długość profili poziomych - R Length of horizontal profiles - R	
Zakładka Overlap	z	Liczba skrzydeł - n Quantity of door leaves - n	Tor RAMA Rama track	Tor GAMA Gama track		
TWIN GAMA 88460000 	20	n=2 $S1=(S+Z)/2$			R=S1-36	 RAMIAK GÓRNY TWIN TWIN upper profile 88440000
TWIN FLAT 88420000 	20	n=3 $S1=(S+2xZ)/3$	H1=H-40 	H1=H-47 	R=S1-36	 PROFIL ŁĄCZĄCY TWIN TWIN connecting profile 88430000
TWIN MULTI 88410000 	34	n=4 $S1=(S+3xZ)/4$			R=S1-38,2	 RAMIAK DOLNY TWIN TWIN bottom profile 88450000
TWIN EPSILON 88480000 	30	n=5 $S1=(S+4xZ)/5$			R=S1-36	

Obliczanie szerokości wypełnień / Width calculation - fillings type

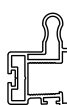
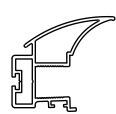


- skontaktuj się z działem handlowym w celu uzyskania dodatkowych informacji
- contact our sales department for additional information

BL- szerokość szkła
BL - glass width

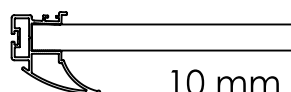
Bp- szerokość płyty
Bp - board width

Elementy mocujące wypełnienie w rączkach / Elements mounting filling in the handles

Rodzaj rączki Handle type	Płyta 10 mm Board 10 mm	Szkło 4/6 mm na uszczelkach Glass 4/6 mm with seals	Szkło 4 mm bez uszczelki Glass 4 mm without seals	Wariant mocowania Mounting option
TWIN FLAT 88420000 	Bp=S1-15,6	BL=S1-18,6 	X X	A B C
TWIN GAMA 88460000 	Bp=S1-13,2	BL=S1-16,2 	X X	A B C
TWIN MULTI 88410000 	Bp=S1-15,4	BL=S1-18,4 	X X	A B C
TWIN EPSILON 88480000 	Bp=S1-13,2	BL=S1-16,2 	X X	A B C

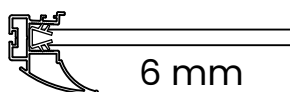
Przykłady mocowania wypełnień w rączkach / Examples of fixing filling in the handles

A



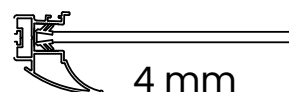
10 mm

B



6 mm

C



4 mm

Obliczanie wysokości wypełnienia / Filling height calculations



Płyta/Board



Szkło/Glass

Hp – wysokość płyty
Hp – board height

H1 – wysokość całkowita gotowego skrzydła
H1 – total height of finished door leaf

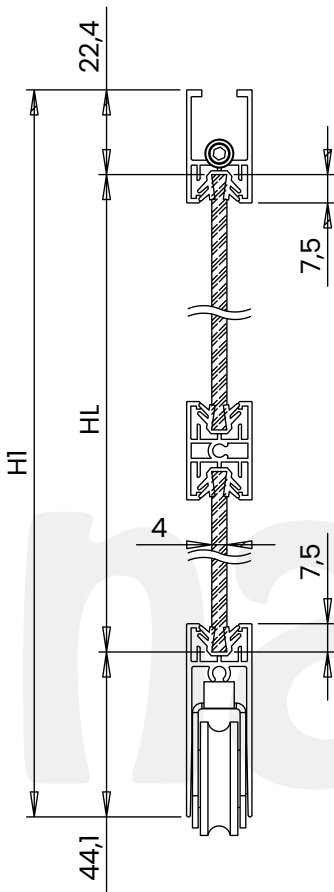
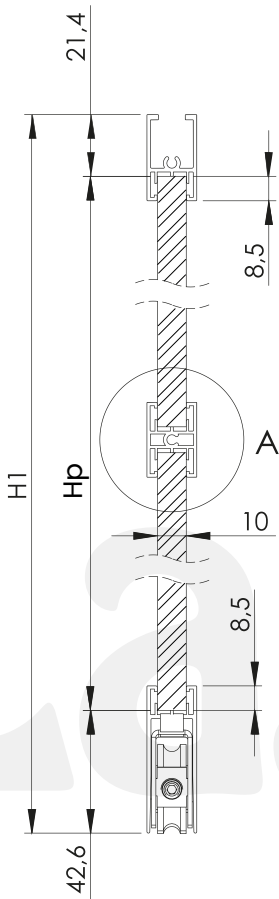
HL – wysokość szkła
HL – glass height

PŁYTA 10 MM
Board 10 mm

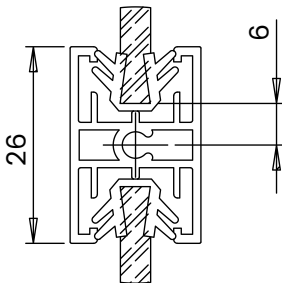
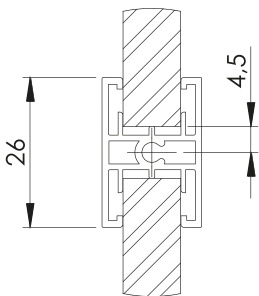
SZKŁO 4 MM, 6 MM NA USZCZELKACH
Glass 4 mm, 6 mm with seals

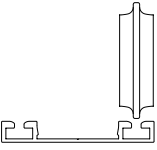
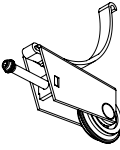
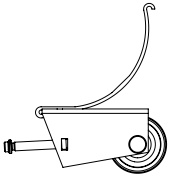
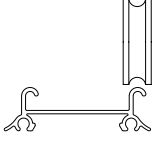
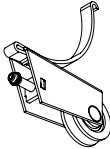
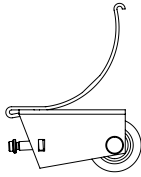
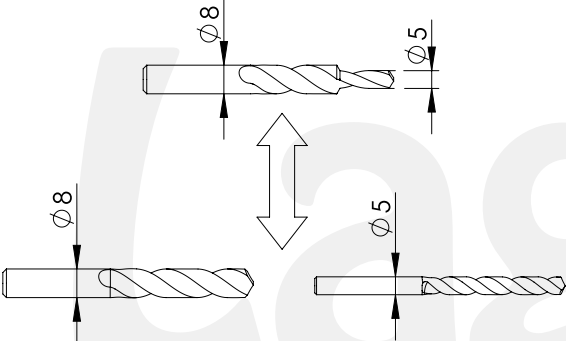
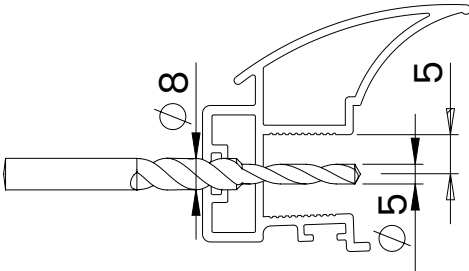
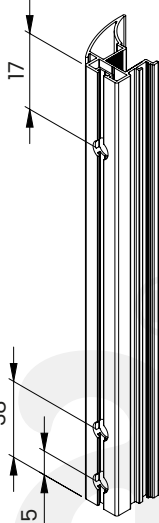
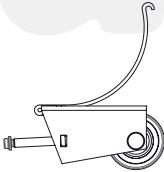
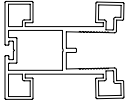
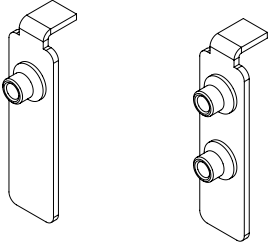
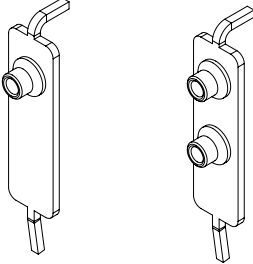
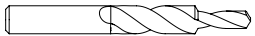
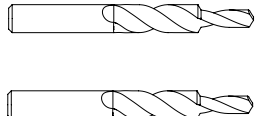
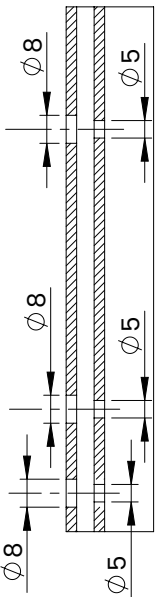
$H_p = H_1 - 64$

$H_L = H_1 - 67$



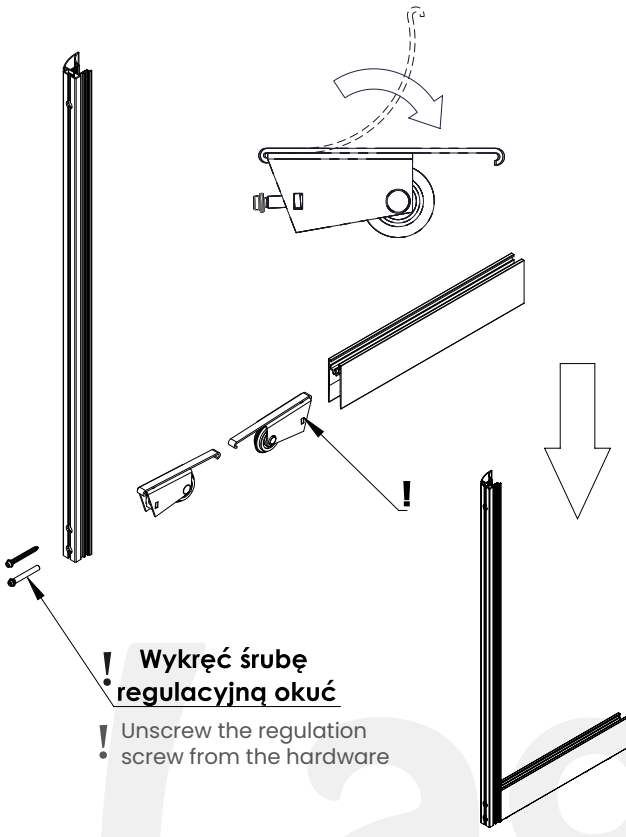
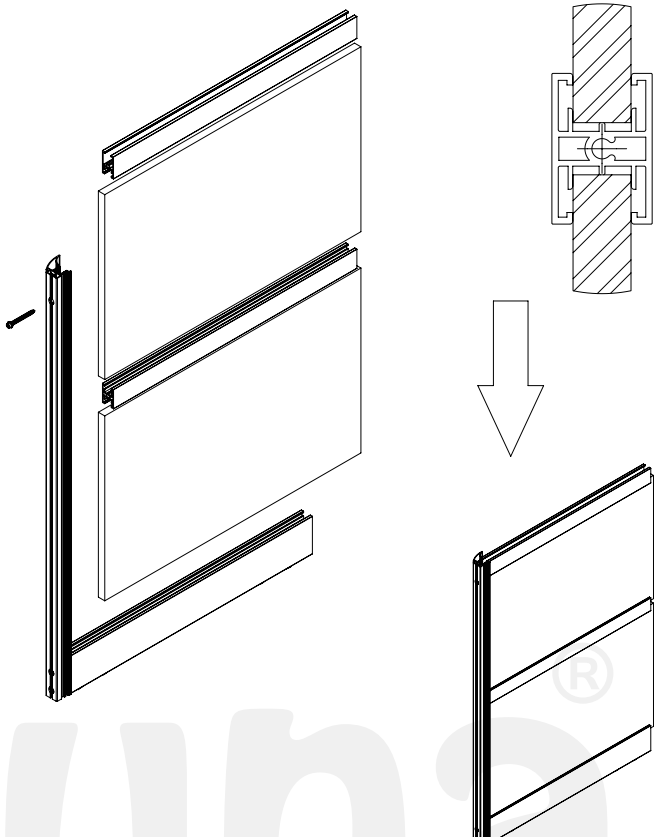
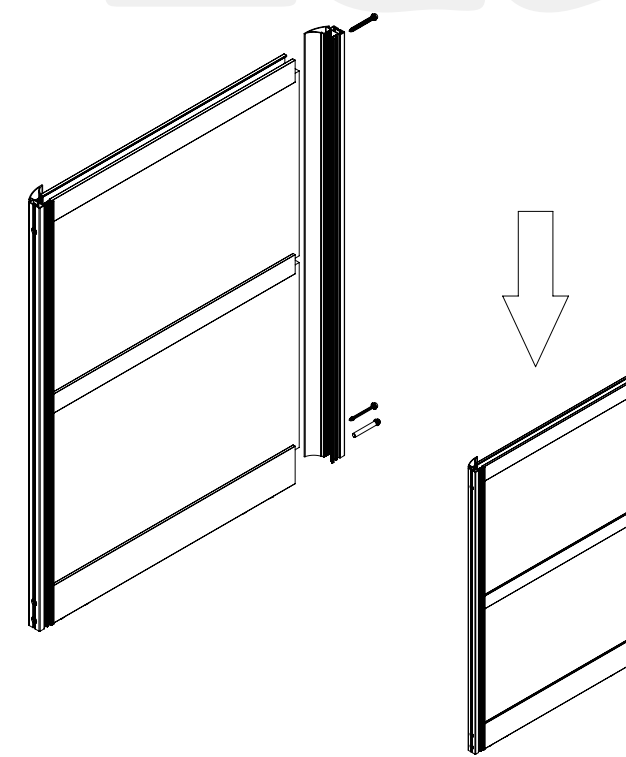
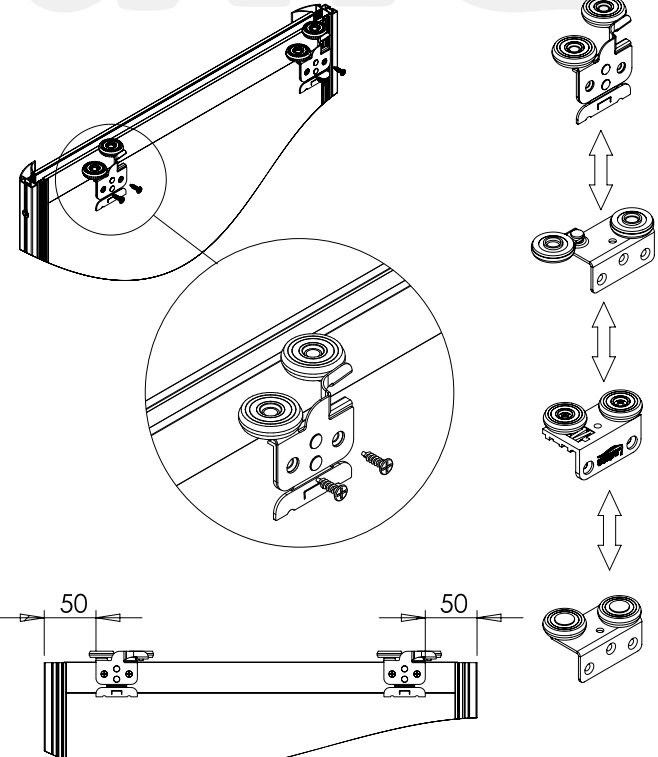
Informacje dodatkowe przy podziale skrzydła przy użyciu profilu łączącego
Additional information on separating the door leaf with a connecting profile



Rodzaj toru Type od track	Wybór typu okucia dolnego / Lower hardware type selection
	 OKUCIE GAMA RAM GAMA RAM hardware 88301000 
	 OKUCIE GAMA GAMA hardware 88201000 
Nawiercanie rączki/ Drinning the handles	
 WIERTŁO DWUSTOPNIOWE two-stage drill 102900000   	
ALUMAT Sprawdź naszą bogatą gamę szablonów do nawiercania Check out our wide range of drilling jigs	 
ALUMAT 10 MM 106500000  ALUMAT 10 MM BRUSH 106700000 	  

Składanie skrzydła / Door leaf assembly

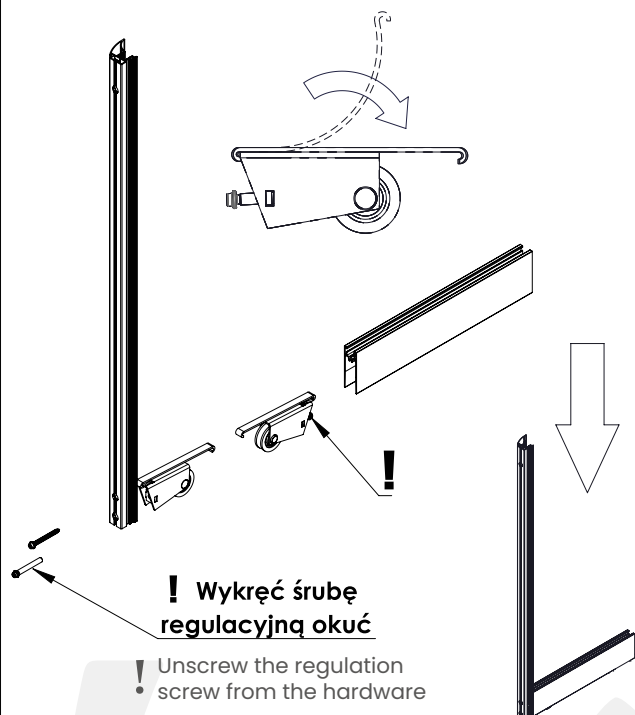
Płyta 10 mm / Board 10 mm

Krok 1 / Step 1	Krok 2 / Step 2
 ! Wykręć śrubę regulacyjną okuć ! Unscrew the regulation screw from the hardware	
Krok 3 / Step 3	Krok 4 / Step 4
	

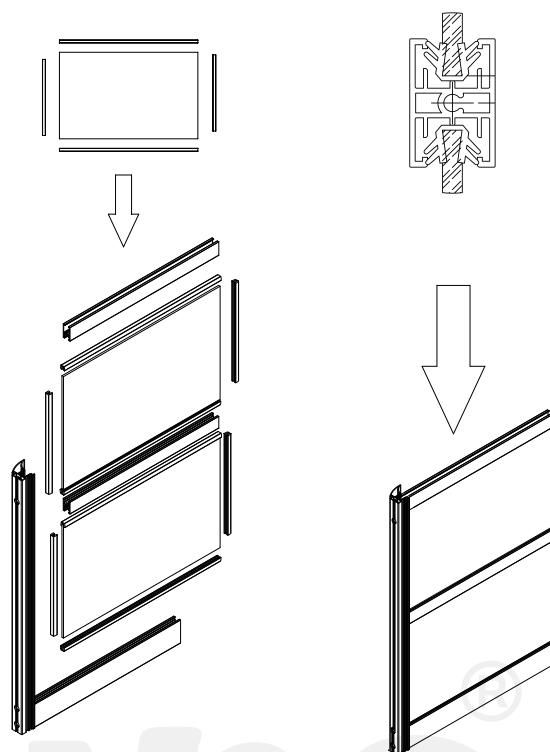
Składanie skrzydła / Door leaf assembly

Szkło 4 mm / 6mm na uszczelkach / Glass 4 mm / 6 mm with seals

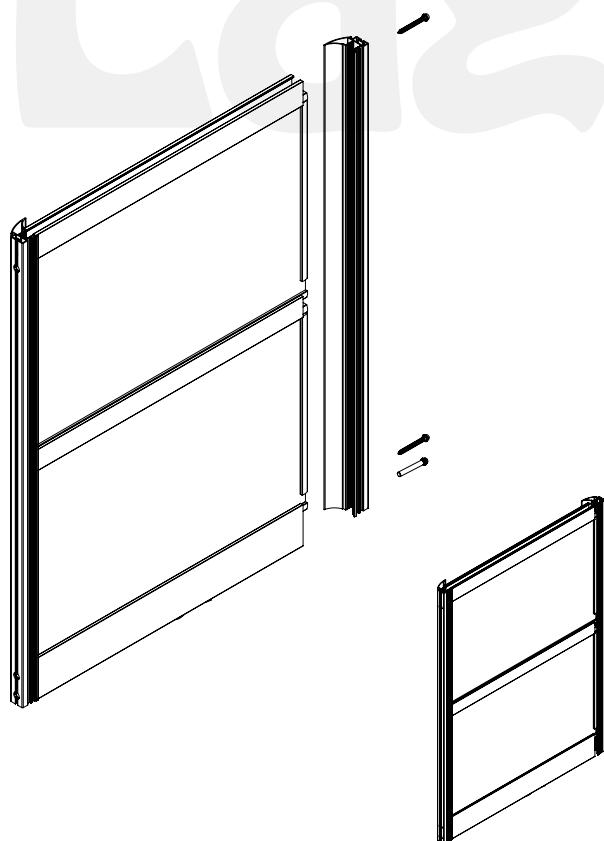
Krok 1 / Step 1



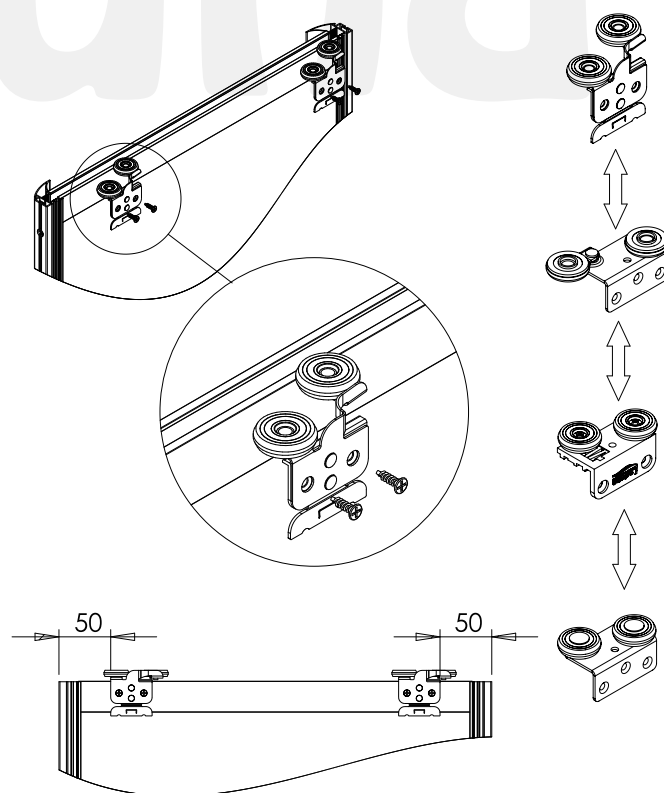
Krok 2 / Step 2



Krok 3 / Step 3

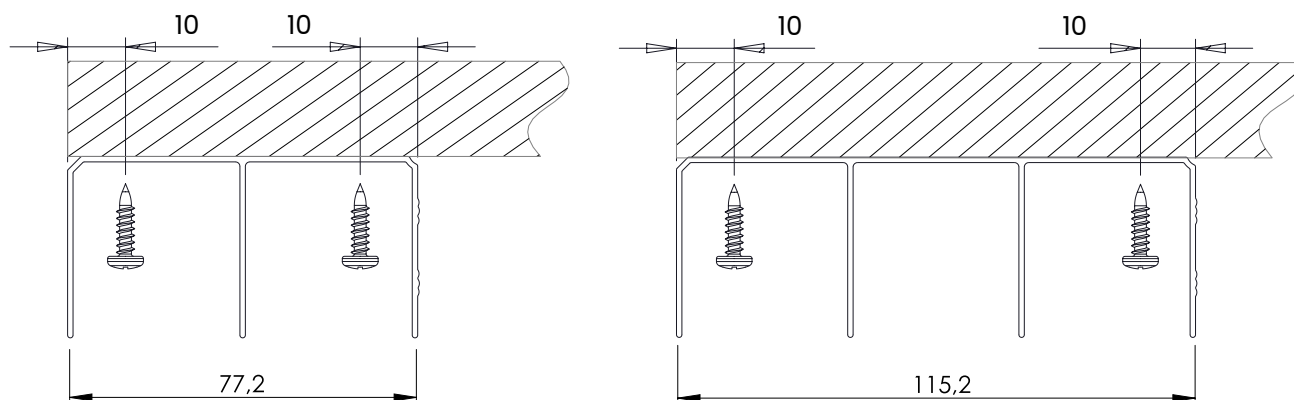


Krok 4 / Step 4



Montaż torów górnych / Mounting of upper tracks

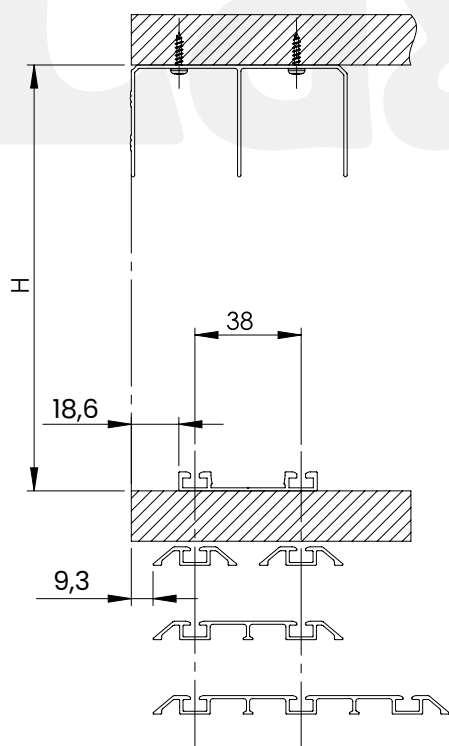
(przekrój poprzeczny) / (cross section)



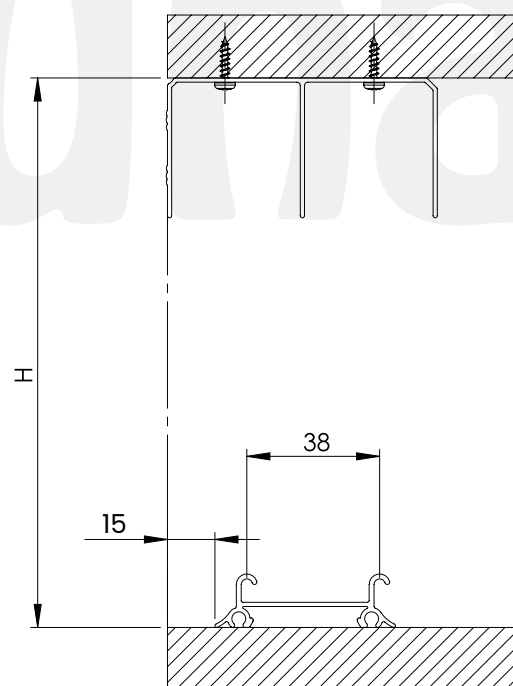
Orientacja względem toru górnego

Position relative to the upper track

TORY RAMA / Rama tracks

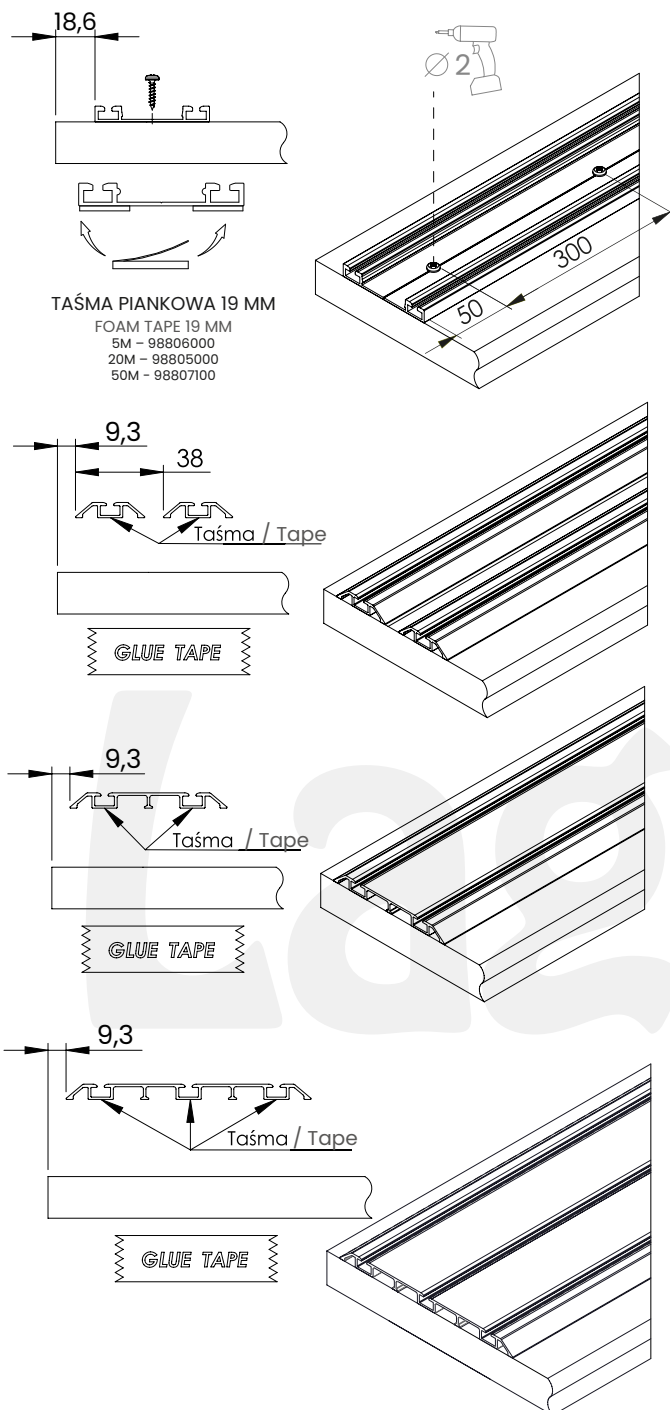


TOR GAMA / Gama track

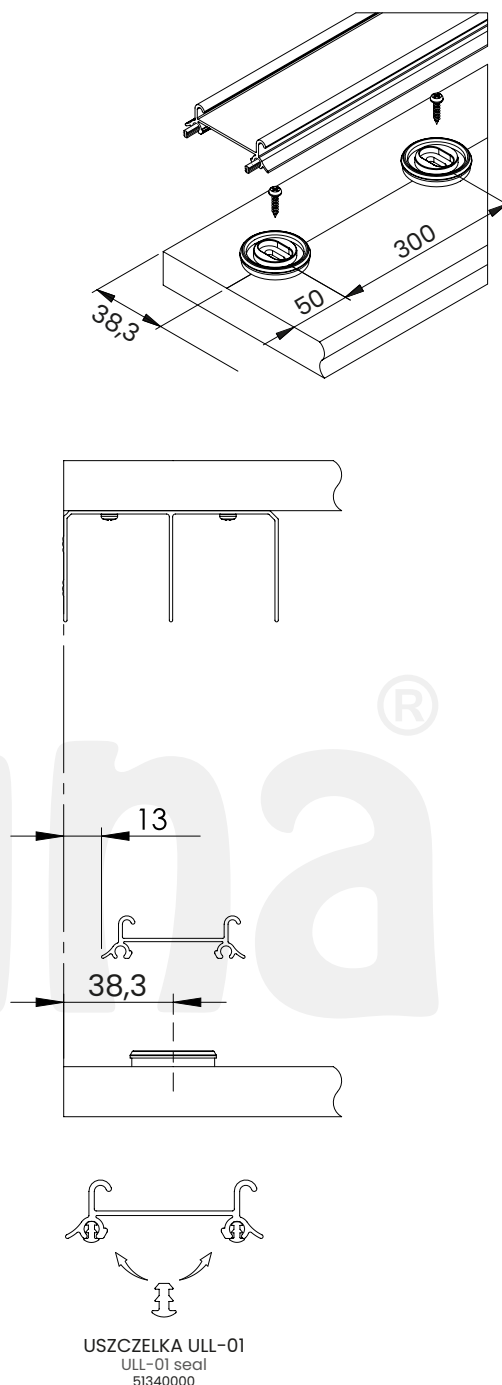


Montaż torów dolnych / Mounting of lower tracks

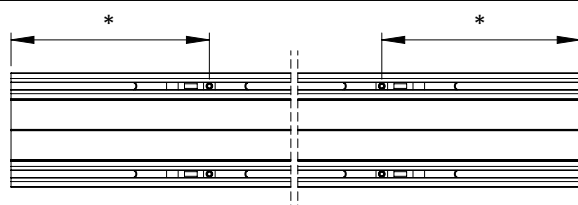
TORY RAMA / Rama tracks



TOR GAMA / Gama track

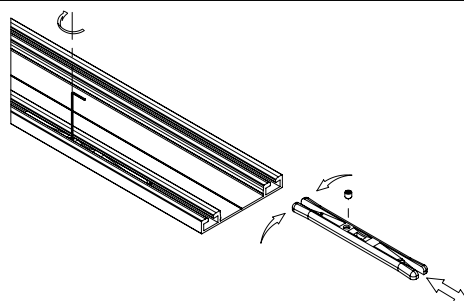


Montaż stopera dolnego w torach rama / Mounting of lower stopper in rama tracks



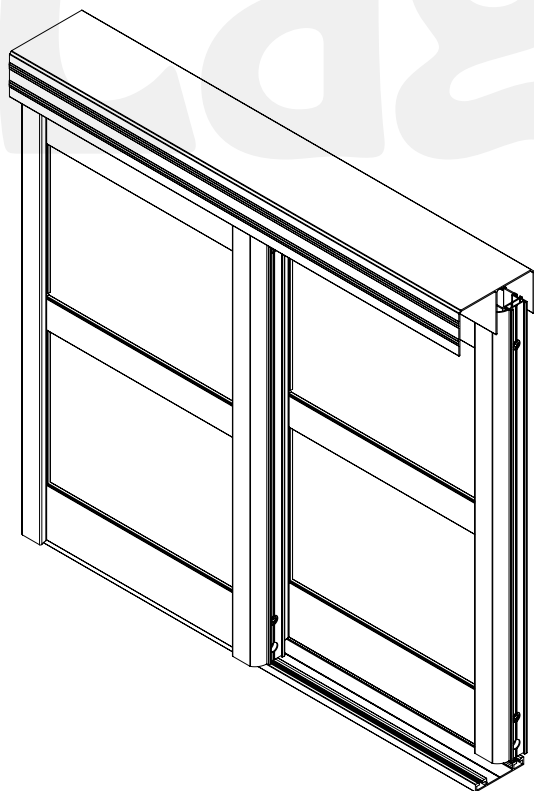
* Odległość stopera ustawić tak, by skrzydło domykało się do brzegu korpusu po umieszczeniu oponki okucia w cylindrycznej części stopera.

* Set the stopper distance so that the door leaf is closing to the edge, after placing the bearing of the hardware in the cylindrical part of the softcloser.

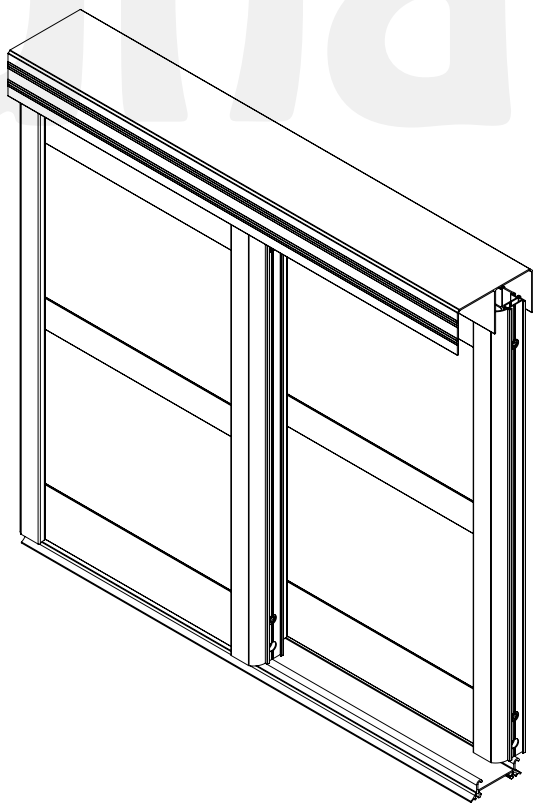
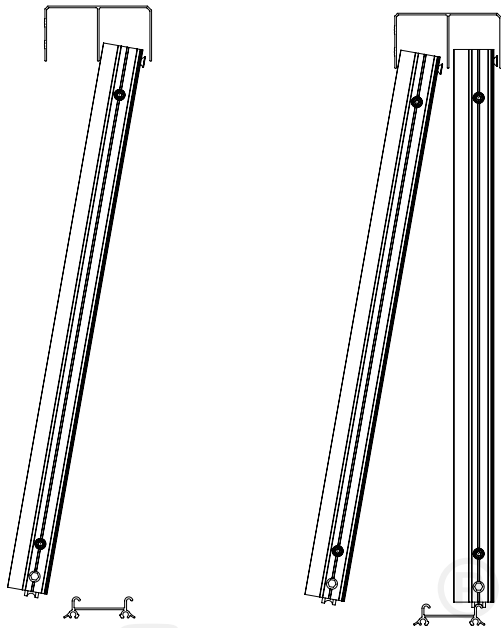


Montaż skrzydła w torach / Mounting of door leaf in tracks

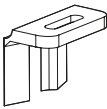
TORY RAMA / Rama tracks



TOR GAMA / Gama track

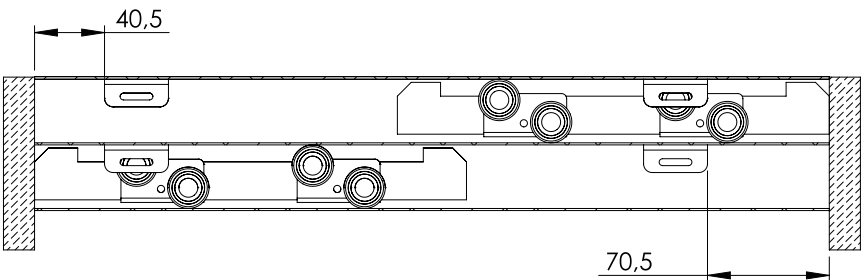
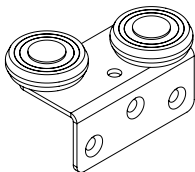
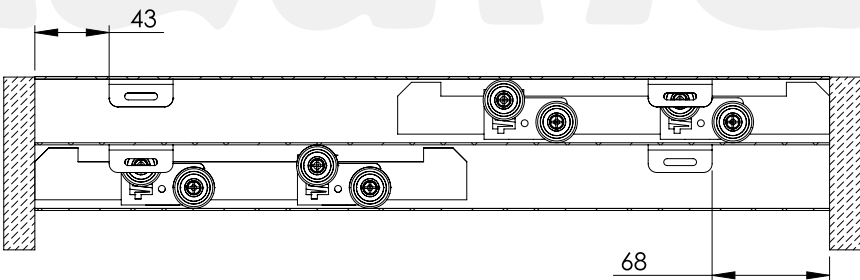
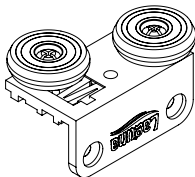
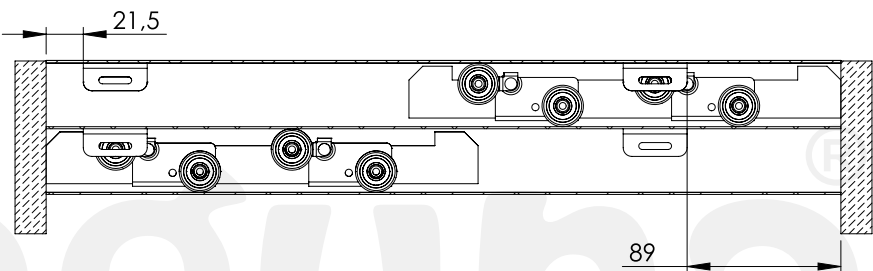
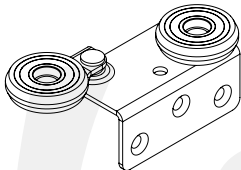
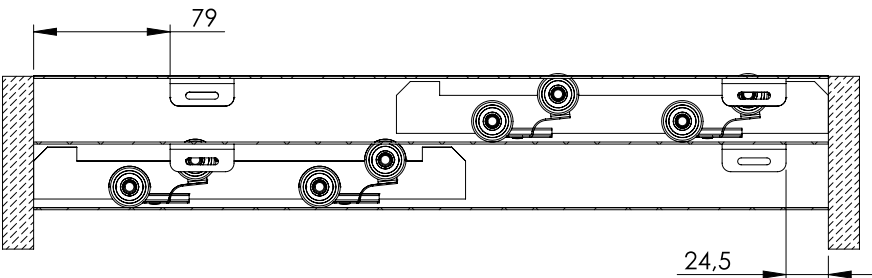
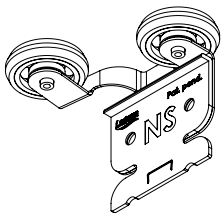


Montaż pozycjonerów **SOLID** / Mounting of **SOLID** guides w zależności od wybranego rodzaju prowadnika / depending on chosen type



Rodzaj prowadnika / Guide type

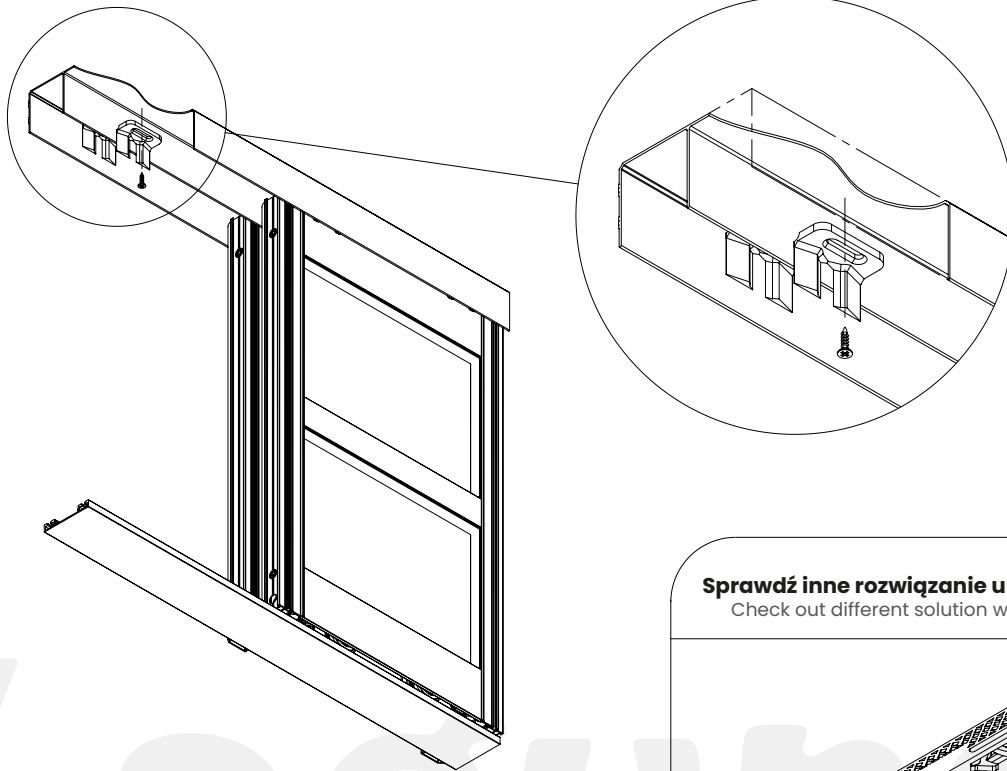
Wymiary montażowe / Mounting dimensions



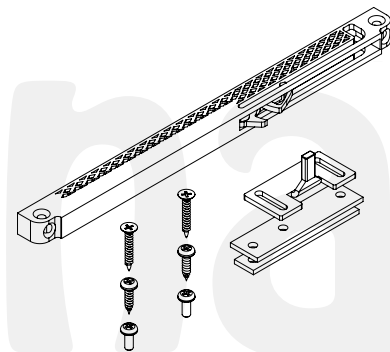
Montaż pozycjonerów w torach / Mounting of stoppers in the tracks

Widok z wnętrza szafy / View from inside the wardrobe

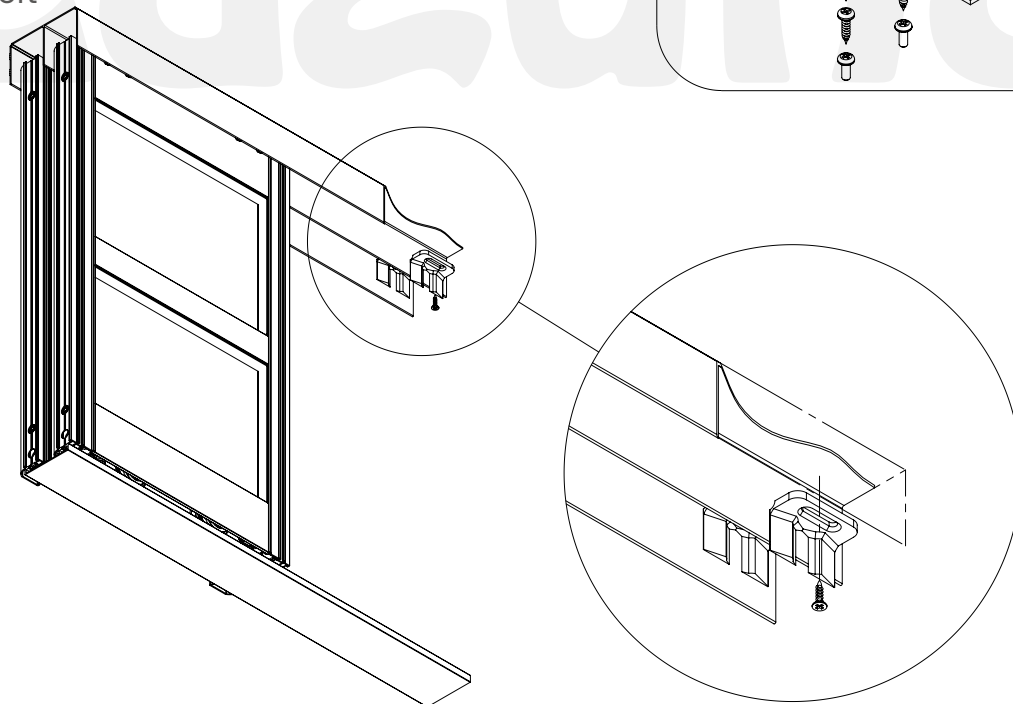
Prawa / Right



Sprawdź inne rozwiązanie u naszego doradcy
Check out different solution with our consultant



Lewa / Left



Zaleca się postępowanie zgodnie z niniejszą instrukcją przy użyciu odpowiednich narzędzi, zgodnych ze wskazaniami. W przypadku elementów, których powierzchnia może być ostra należy stosować środki ochrony indywidualnej oraz zabezpieczenie obszaru pracy. Firma Laguna Fabryka Okuć uchyla się od odpowiedzialności za działania wynikające z postępowania niezgodnego z niniejszą instrukcją.

It is recommended that you follow these instructions using the appropriate tools as indicated. In the case of elements whose surface can be sharp, use personal protective equipment and work area protection. The company Laguna Hardware Factory refrains from liability for actions resulting from conduct incompatible with this instruction.