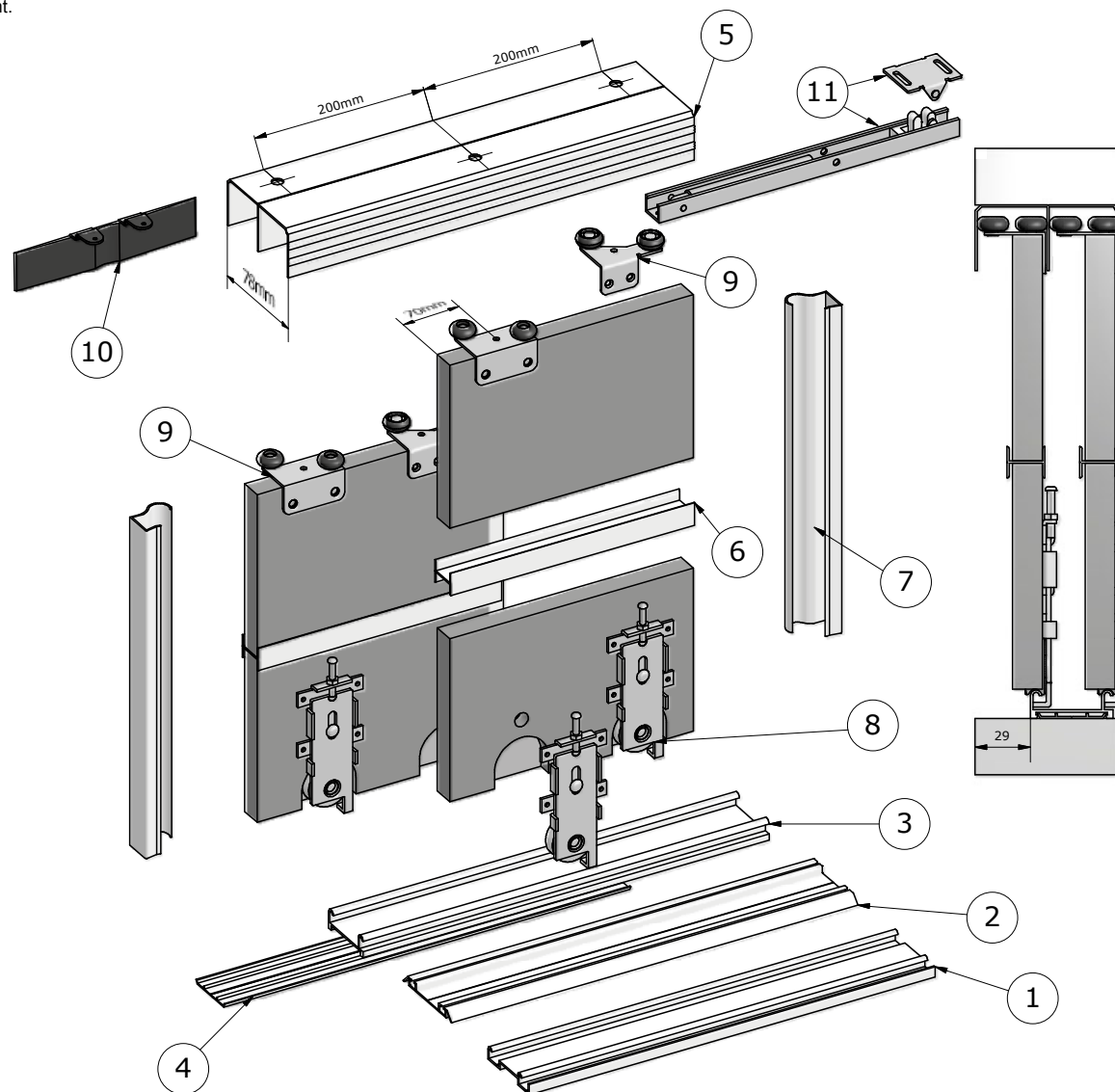


Instalation guide



Bimak UK Limited Registered Office: 84 St. Johns Road, Edinburgh, Midlothian, EH12 8AT
Company no. SC459619 Tel:01312772671 Email :info@bimak.co.uk Web:www.bimak.co.uk

Bimak UK Limited do not take responsibility for profile deformations caused by the use of poor quality panels. To mount the glass, use a double sided tape. Use level when installing bottom track Bis and Solar. Mount handle to the panel using fixing screws. Maximum leaf weight is 50kg. Apply a silicone sealant to the adaptive track. After removing the protecting tape, wipe profile using Nitro solvent.



To calculate the height of panel depending of the used bottom track:

TD.....	- 45mm =
Opening height		Panel height
TDB.....	- 40mm =
Opening height		Panel height
TDS.....	- 35mm =
Opening height		Panel height

The handle need to be cut 3mm longer than the height of the panel.

To calculate the width of the panel for two wings:

$$(\text{.....} + 30\text{mm}) / 2 = \text{.....}$$

Opening width Panel width

To calculate the width of the panel for three wings:

$$(\text{.....} + 60\text{mm}) / 3 = \text{.....}$$

Opening width Panel width

To calculate the width of the panel for four wings:

$$(\text{.....} + 90\text{mm}) / 4 = \text{.....}$$

Opening width Panel width

To calculate the height of glass/mirror:

$$\text{.....} - 4\text{mm} = \text{.....}$$

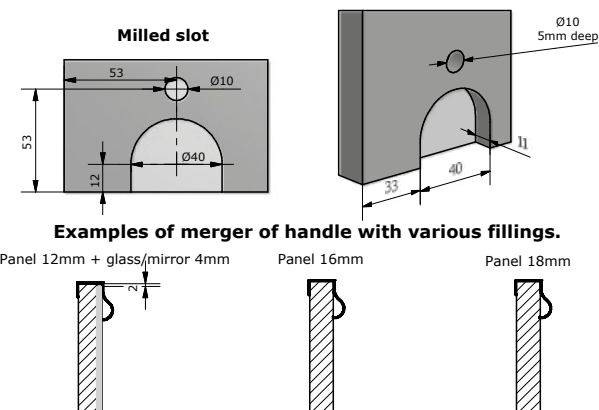
Panel height Glass/mirror height

To calculate the width of glass/mirror:

$$\text{.....} - 4\text{mm} = \text{.....}$$

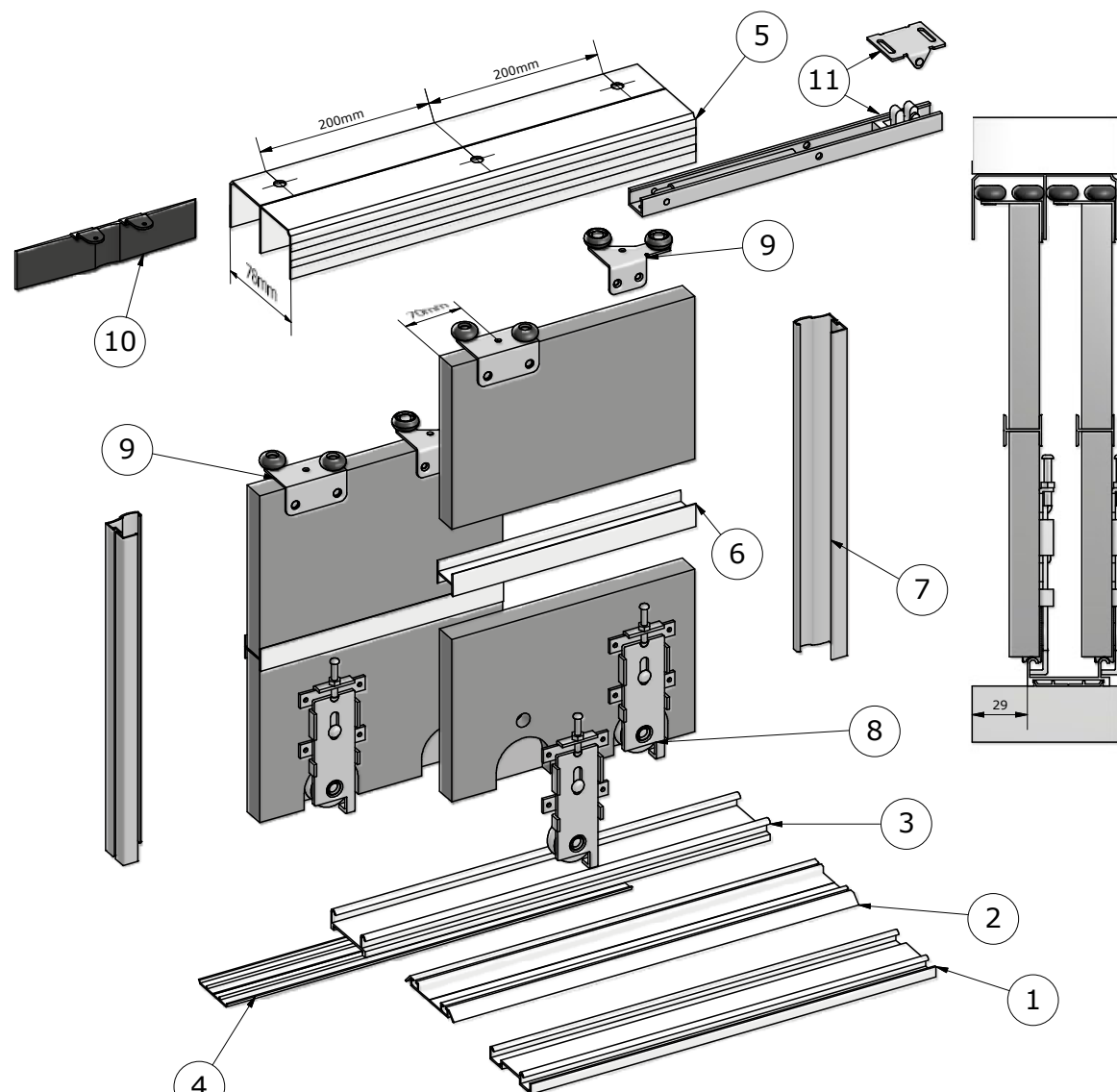
Panel width Glass/mirror width

Soft close mechanism should be installed 120mm from the wing edge, while the trigger should be installed 300mm from the edge of the track.



1	2	3	4	5	6	7	8	9	10	11
TDB	TDS	TD	TA	TG	PH	RE16/RE18	B600/B600N	B800/B800A/B800M	S800	SD800

Bimak UK Limited do not take responsibility for profile deformations caused by the use of poor quality panels. To mount the glass, use a double sided tape. Use level when installing bottom track Bis and Solar. Mount handle to the panel using fixing screws. Maximum leaf weight is 50kg. Apply a silicone sealant to the adaptive track. After removing the protecting tape, wipe profile using Nitro solvent.



To calculate the height of panel depending of the used bottom track:

$$\begin{aligned} \text{TD} & \dots - 45\text{mm} = \dots \\ & \text{Opening height} \quad \text{Panel height} \\ \text{TDB} & \dots - 40\text{mm} = \dots \\ & \text{Opening height} \quad \text{Panel height} \\ \text{TDS} & \dots - 35\text{mm} = \dots \\ & \text{Opening height} \quad \text{Panel height} \end{aligned}$$

The handle need to be cut 3mm longer than the height of the panel.

To calculate the width of the panel for two wings:

$$(\dots + 30\text{mm}) / 2 = \dots$$

Opening width Panel width

To calculate the width of the panel for three wings:

$$(\dots + 60\text{mm}) / 3 = \dots$$

Opening width Panel width

To calculate the width of the panel for four wings:

$$(\dots + 90\text{mm}) / 4 = \dots$$

Opening width Panel width

To calculate the height of glass/mirror:

$$\dots - 4\text{mm} = \dots$$

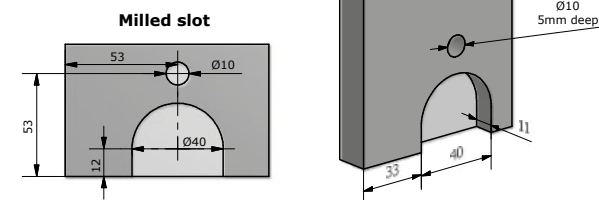
Panel height Glass/mirror height

To calculate the width of glass/mirror:

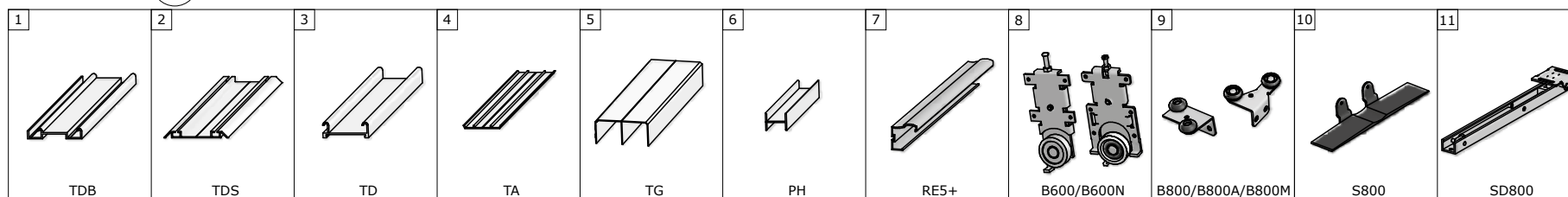
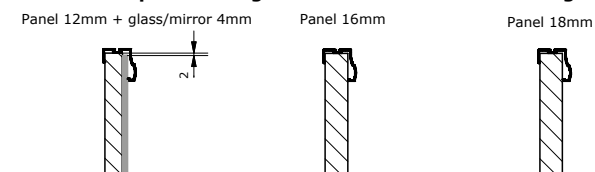
$$\dots - 4\text{mm} = \dots$$

Panel width Glass/mirror width

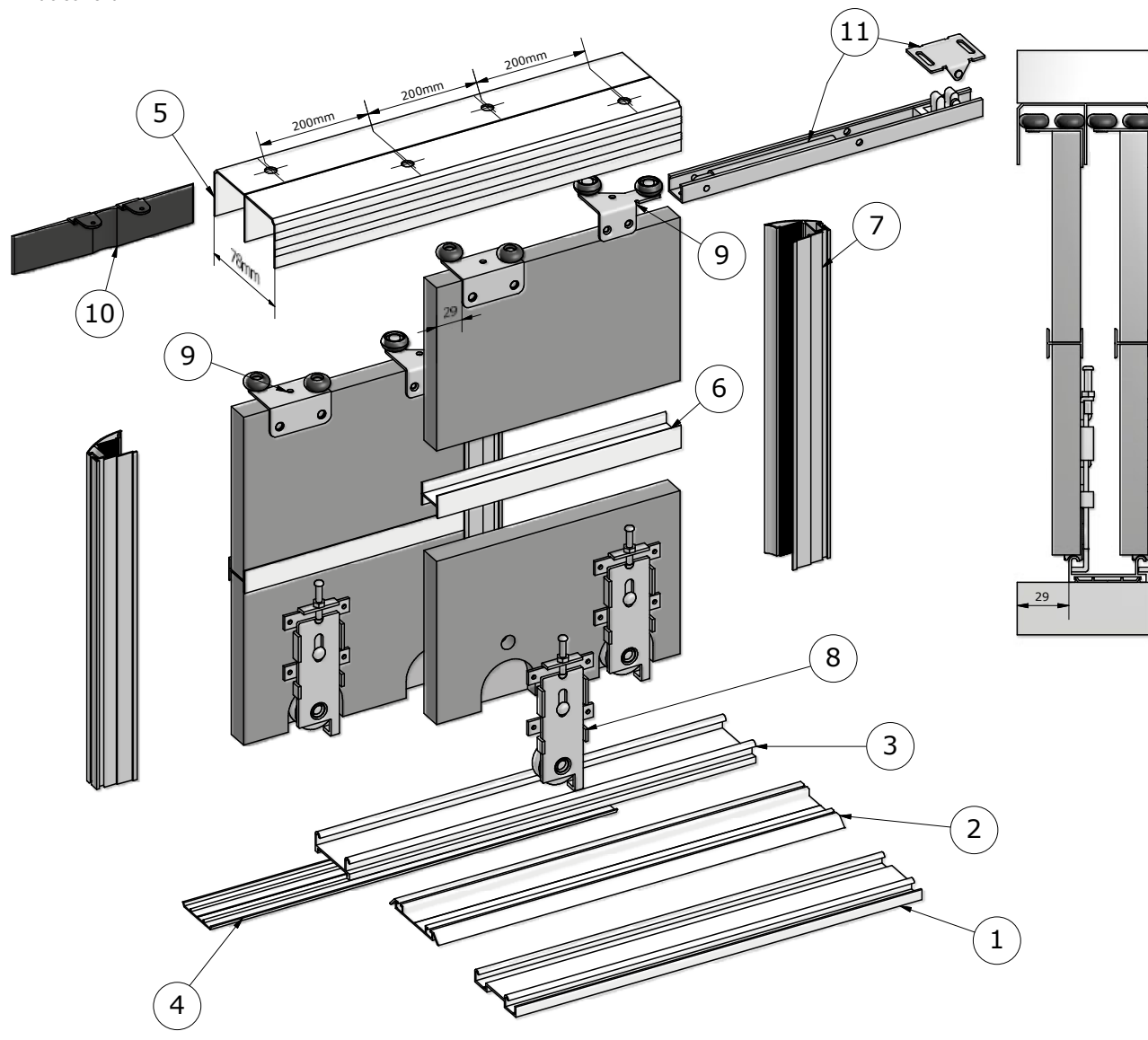
Soft close mechanism should be installed 120mm from the wing edge, while the trigger should be installed 300mm from the edge of the track.



Examples of merger of handle with various fillings.



Bimak UK Limited do not take responsibility for profile deformations caused by the use of poor quality panels. To mount the glass, use a double sided tape. Use level when installing bottom track Bis and Solar. Mount handle to the panel using fixing screws. Maximum leaf weight is 50kg. Apply a silicone sealant to the adaptive track. After removing the protecting tape, wipe profile using Nitro solvent.



To calculate the height of panel depending of the used bottom track:

TD.....	- 45mm =	
Opening height		Panel height
TDB.....	- 40mm =	
Opening height		Panel height
TDS.....	- 35mm =	
Opening height		Panel height

The handle need to be cut 3mm longer than the height of the panel.

To calculate the width of the panel for two wings:

$$(\text{.....} - 20\text{mm}) / 2 = \text{.....}$$

Opening width Panel width

To calculate the width of the panel for three wings:

$$(\text{.....} - 10\text{mm}) / 3 = \text{.....}$$

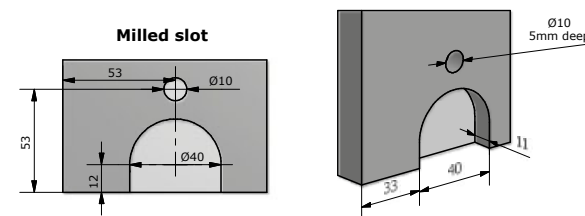
Opening width Panel width

To calculate the width of the panel for four wings:

$$(\text{.....}) / 4 = \text{.....}$$

Opening width Panel width

Soft close mechanism should be installed 120mm from the wing edge, while the trigger should be installed 300mm from the edge of the track.



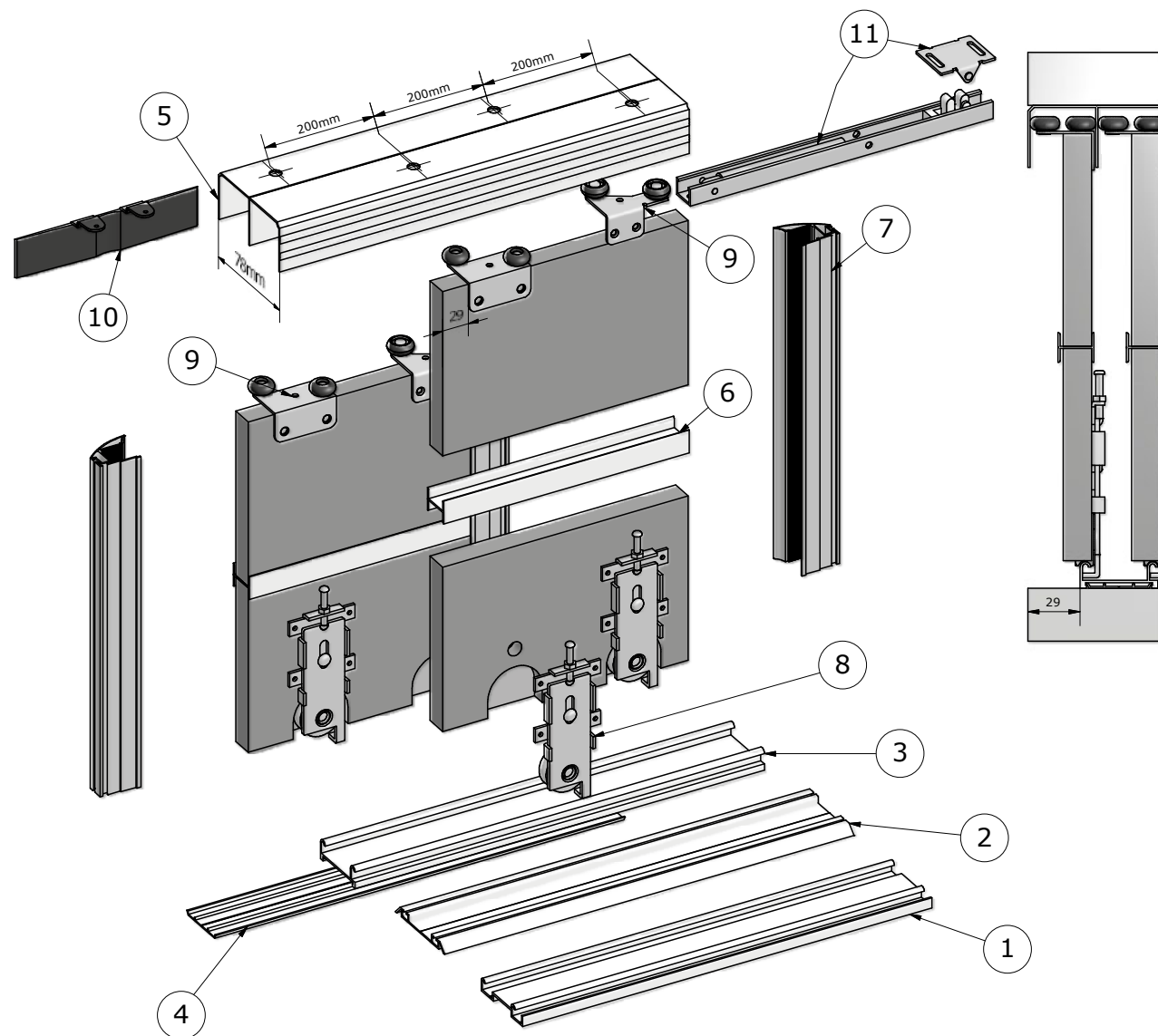
Examples of merger of handle with various fillings.

Panel 18mm



1	2	3	4	5	6	7	8	9	10	11
TDB	TDS	TD	TA	TG	PH	RMS	B600/B600N	B800/B800A/B800M	S800	SD800

Bimak UK Limited do not take responsibility for profile deformations caused by the use of poor quality panels. To mount the glass, use a double sided tape. Use level when installing bottom track Bis and Solar. Mount handle to the panel using fixing screws. Maximum leaf weight is 50kg. Apply a silicone sealant to the adaptive track. After removing the protecting tape, wipe profile using Nitro solvent.



To calculate the height of panel depending of the used bottom track:

TD.....	- 45mm =
Opening height		Panel height
TDB.....	- 40mm =
Opening height		Panel height
TDS.....	- 35mm =
Opening height		Panel height

The handle need to be cut 3mm longer than the height of the panel.

To calculate the width of the panel for two wings:

$$(\text{.....})/2 = \text{.....}$$

Opening width Panel width

To calculate the width of the panel for three wings:

$$(\text{.....} + 20\text{mm})/3 = \text{.....}$$

Opening width Panel width

To calculate the width of the panel for four wings:

$$(\text{.....} + 40\text{mm})/4 = \text{.....}$$

Opening width Panel width

To calculate the height of glass/mirror:

$$\text{.....} - 4\text{mm} = \text{.....}$$

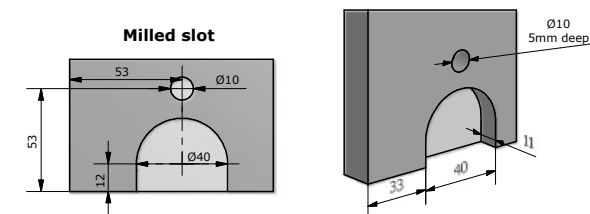
Panel height Glass/mirror height

To calculate the width of glass/mirror:

$$\text{.....} - 4\text{mm} = \text{.....}$$

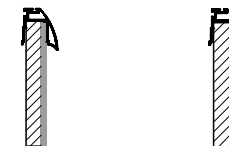
Panel width Glass/mirror width

Soft close mechanism should be installed 120mm from the wing edge, while the trigger should be installed 300mm from the edge of the track.



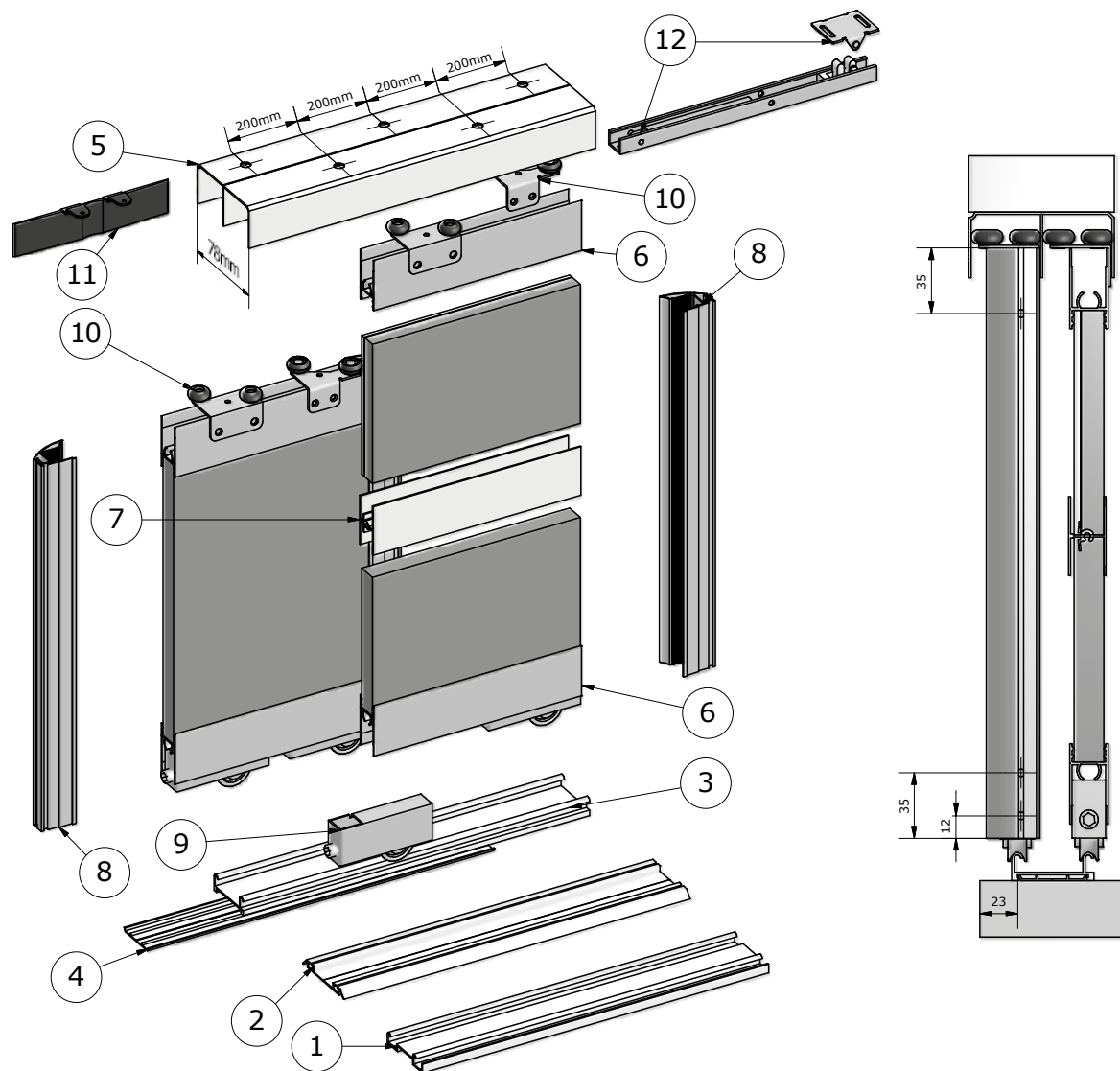
Examples of merger of handle with various fillings.

Panel 12mm + glass/mirror 4mm Panel 16mm



1	2	3	4	5	6	7	8	9	10	11
TDB	TDS	TD	TA	TG	PH	RMS	B600/B600N	B800/B800A/B800M	S800	SD800

Bimak UK Limited do not take responsibility for profile deformations caused by the use of poor quality panels. To mount the glass, use a double sided tape. Use level when installing bottom track Bis and Solar. Maximum leaf weight is 50kg. Apply a silicone sealant to the adaptive track and edges of the glass/mirror. After removing the protecting tape, wipe profile using Nitro solvent.



To calculate the height of panel depending of the used bottom track:

TD..... - 133mm =

Opening height Panel height

TDB..... - 127mm =

Opening height Panel height

TDS..... - 123mm =

Opening height Panel height

The handle need to be cut 93mm longer than the height of the panel.

To calculate the width of the panel for two wings:

(.....-20mm)/2=

Opening width Panel width

To calculate the width of the panel for three wings:

(.....-10mm)/3=

Opening width Panel width

To calculate the width of the panel for four wings:

(.....) /4=

Opening width Panel width

To calculate the length for horizontal profiles:

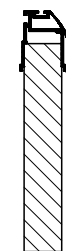
..... -20mm=

Panel width Horizontal profiles length

When using the connecting H-profile, total panel height is reduced by 16mm and for glass/mirror, by 3mm. Soft close mechanism should be installed 120mm from the wing edge, while the trigger should be installed 300mm from the edge of the track.

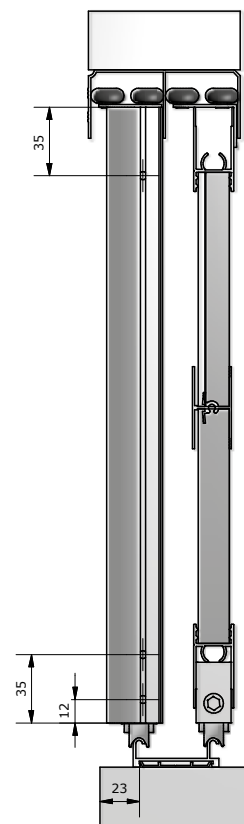
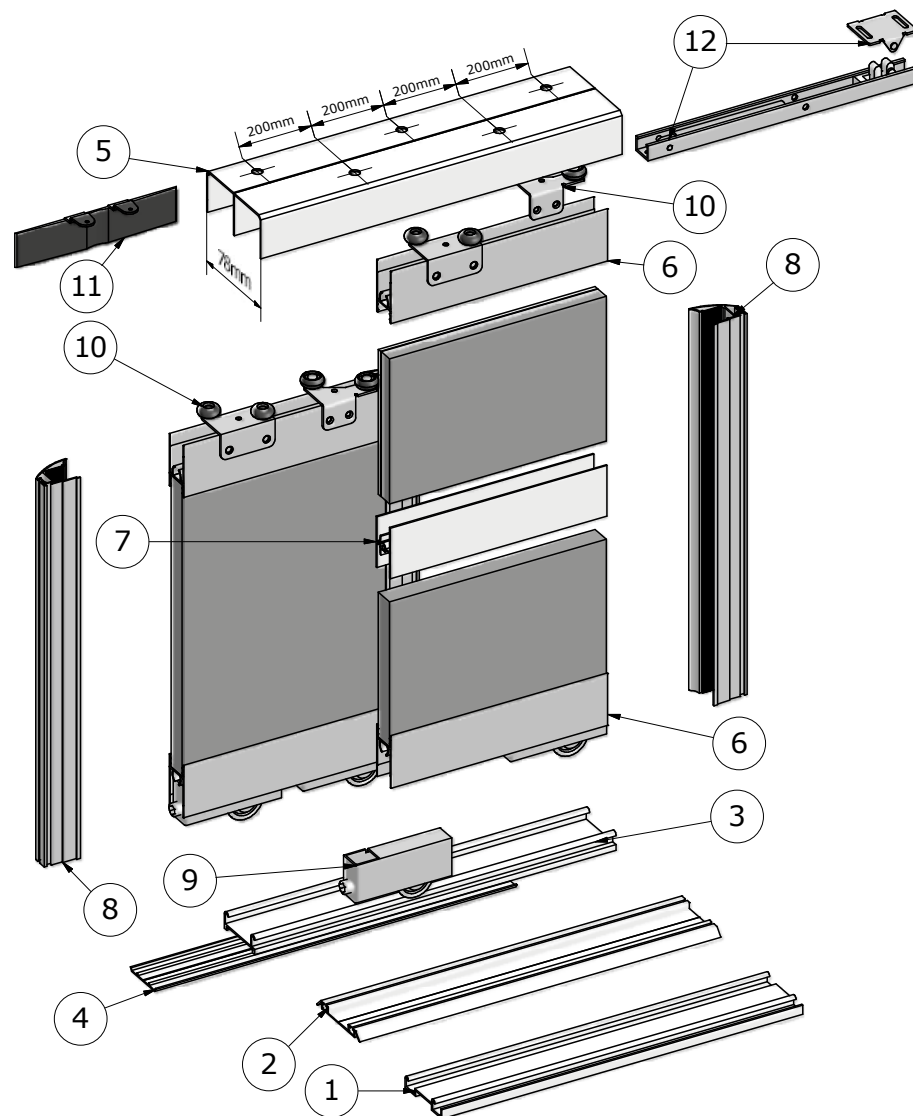
Examples of merger of handle with various fillings.

Panel 18mm



1	2	3	4	5	6	7	8	9	10	11	12
TDB	TDS	TD	TA	TG	RPN	PLN	RMS	ND-510N	B800/B800A/B800M	S800	SD800

Bimak UK Limited do not take responsibility for profile deformations caused by the use of poor quality panels. To mount the glass, use a double sided tape. Use level when installing bottom track Bis and Solar. Maximum leafweight is 50kg. Apply a silicone sealant to the adaptive track and edges of the glass/mirror. After removing the protecting tape, wipe profile using Nitro solvent.



To calculate the height of panel depending of the used bottom track:

$$\begin{aligned} \text{TD} & \dots\dots\dots - 133\text{mm} = \dots\dots\dots \\ & \text{Opening height} \quad \text{Panel height} \\ \text{TDB} & \dots\dots\dots - 127\text{mm} = \dots\dots\dots \\ & \text{Opening height} \quad \text{Panel height} \\ \text{TDS} & \dots\dots\dots - 123\text{mm} = \dots\dots\dots \\ & \text{Opening height} \quad \text{Panel height} \end{aligned}$$

The handle need to be cut 93mm longer than the height of the panel.

To calculate the width of the panel for two wings:

$$\begin{aligned} (\dots\dots\dots)/2 &= \dots\dots\dots \\ \text{Opening width} \quad \text{Panel width} \end{aligned}$$

To calculate the width of the panel for three wings:

$$\begin{aligned} (\dots\dots\dots + 20\text{mm})/3 &= \dots\dots\dots \\ \text{Opening width} \quad \text{Panel width} \end{aligned}$$

To calculate the width of the panel for four wings:

$$\begin{aligned} (\dots\dots\dots + 40\text{mm})/4 &= \dots\dots\dots \\ \text{Opening width} \quad \text{Panel width} \end{aligned}$$

To calculate the length for horizontal profiles:

$$\begin{aligned} \dots\dots\dots - 33\text{mm} &= \dots\dots\dots \\ \text{Panel width} \quad \text{Horizontal profiles length} \end{aligned}$$

To calculate the height of glass/mirror:

$$\begin{aligned} \dots\dots\dots + 12\text{mm} &= \dots\dots\dots \\ \text{Panel height} \quad \text{Gglass/mirror height} \end{aligned}$$

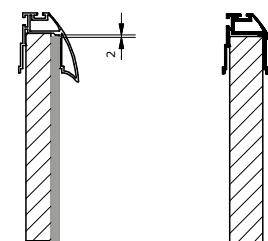
To calculate the width of glass/mirror:

$$\begin{aligned} \dots\dots\dots - 4\text{mm} &= \dots\dots\dots \\ \text{Panel width} \quad \text{Glass/mirror width} \end{aligned}$$

When using the connecting H-profile, total panel height is reduced by 16mm and for glass/mirror, by 3mm. Soft close mechanism should be installed 120mm from the wing edge, while the trigger should be installed 300mm from the edge of the track.
When using glass/mirror without a backing panel, use mounting wedges, one every 20cm. The mirror needs to be secured with a protective tape.

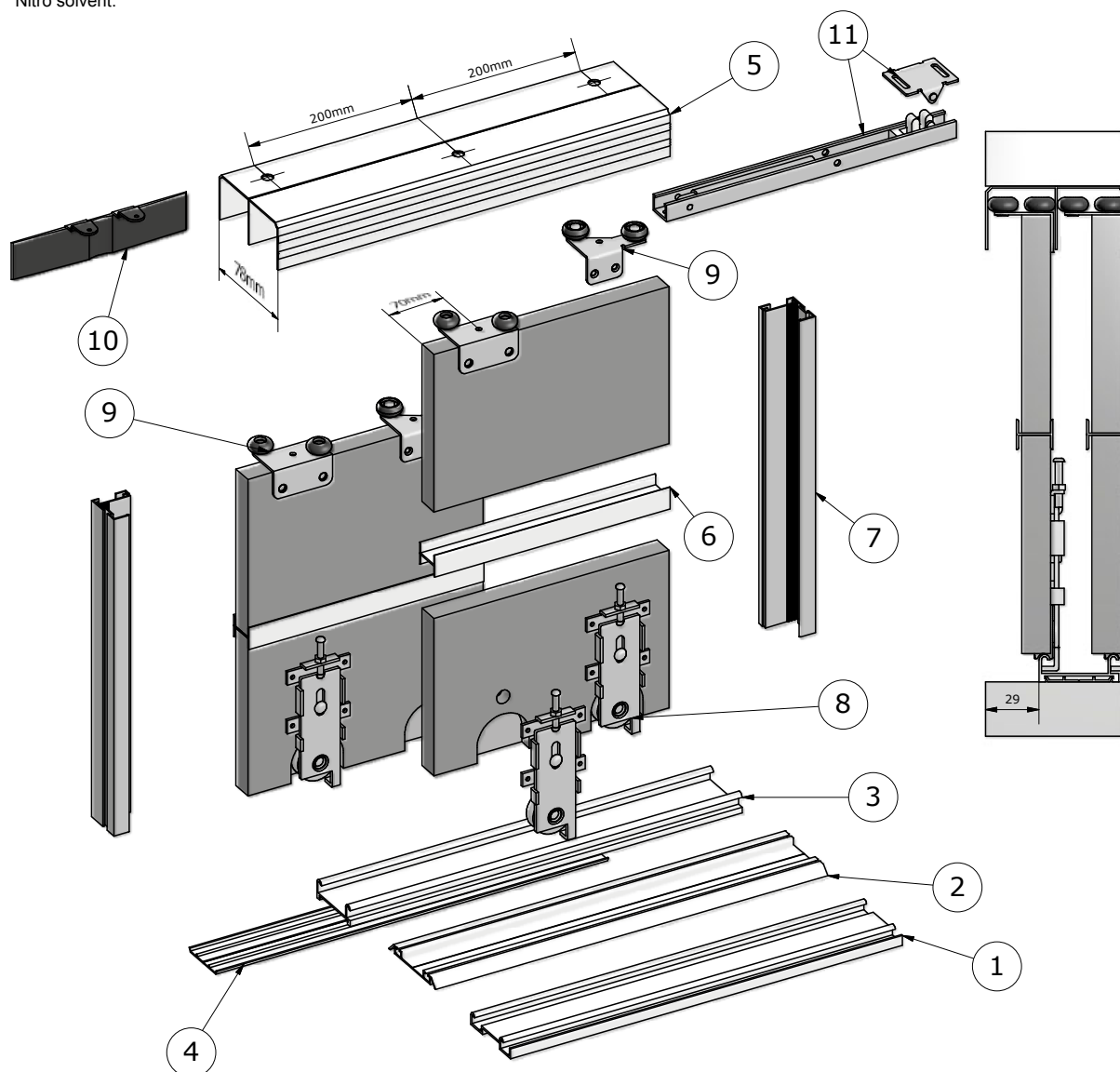
Examples of merger of handle with various fillings.

Panel 12mm + glass/mirror 4mm Panel 16mm



1	2	3	4	5	6	7	8	9	10	11	12
TDB	TDS	TD	TA	TG	RPN	PLN	RMS	ND-510N	B800/B800A/B800M	S800	SD800

Bimak UK Limited do not take responsibility for profile deformations caused by the use of poor quality panels. To mount the glass, use a double sided tape. Use level when installing bottom track Bis and Solar. Mount handle to the panel using fixing screws. Maximum leaf weight is 50kg. Apply a silicone sealant to the adaptive track. After removing the protecting tape, wipe profile using Nitro solvent.



To calculate the height of panel depending of the used bottom track:

TD..... - 45mm =
 Opening height Panel height
 TDB..... - 40mm =
 Opening height Panel height
 TDS..... - 35mm =
 Opening height Panel height

The handle need to be cut 3mm longer than the height of the panel.

To calculate the width of the panel for two wings:
 (..... + 30mm) / 2 =
 Opening width Panel width

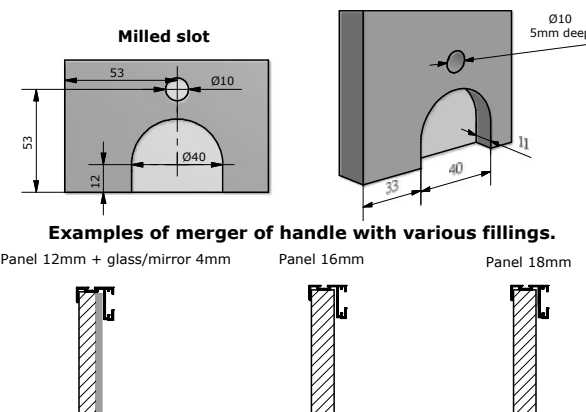
To calculate the width of the panel for three wings:
 (..... + 60mm) / 3 =
 Opening width Panel width

To calculate the width of the panel for four wings:
 (..... + 90mm) / 4 =
 Opening width Panel width

To calculate the height of glass/mirror:
 - 4mm =
 Panel height Glass/mirror height

To calculate the width of glass/mirror:
 - 4mm =
 Panel width Glass/mirror width

To enhance the decorative effect you can use a 22x2mm PVC strip inserted to the handle. Soft close mechanism should be installed 120mm from the wing edge, while the trigger should be installed 300mm from the edge of the track.



Examples of merger of handle with various fillings.

Panel 12mm + glass/mirror 4mm

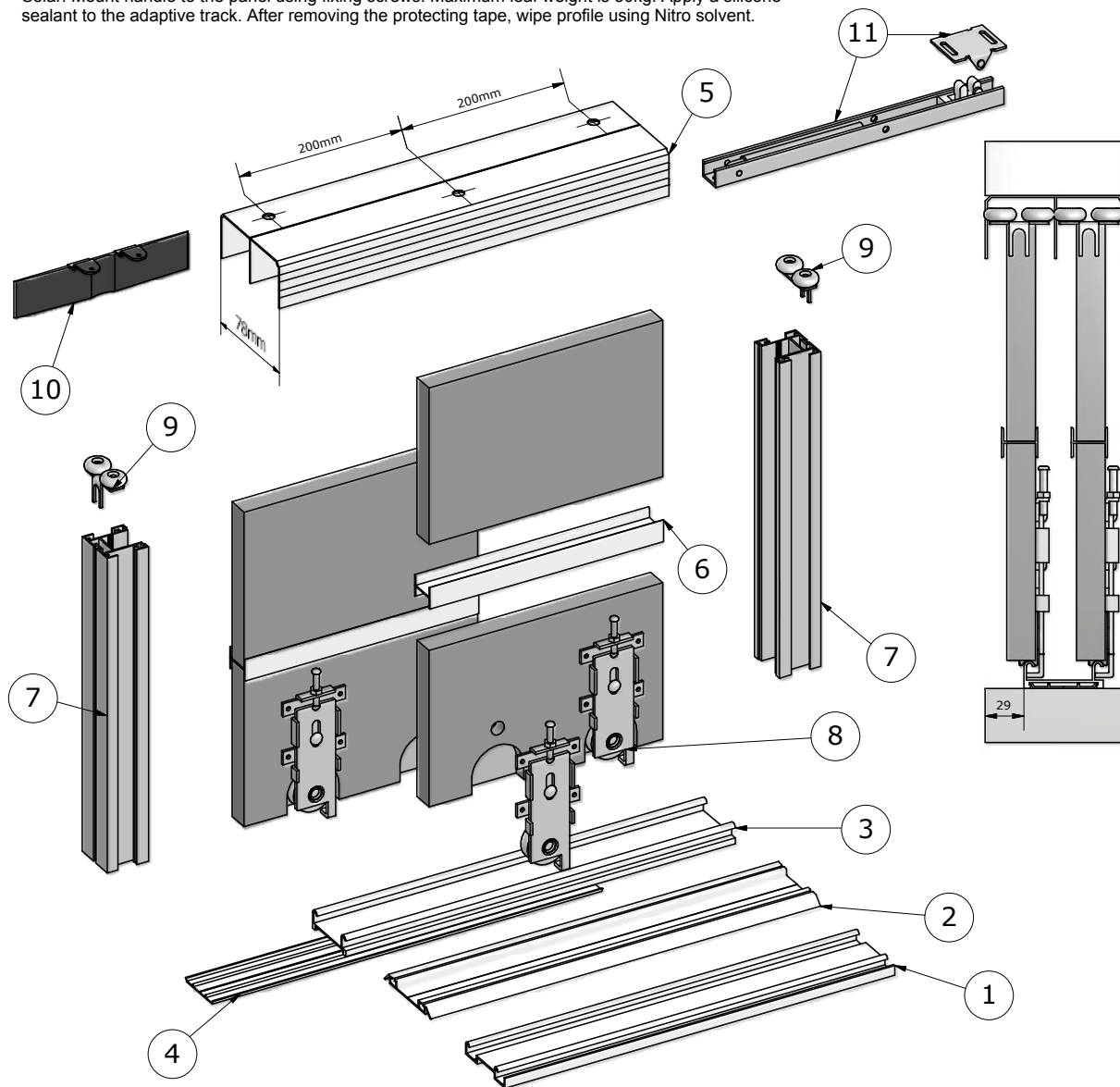
Panel 16mm

Panel 18mm



1	2	3	4	5	6	7	8	9	10	11
TDB	TDS	TD	TA	TG	PH	RL/RL16	B600/B600N	B800/B800A/B800M	S800	SD800

Bimak UK Limited do not take responsibility for profile deformations caused by the use of poor quality panels. To mount the glass, use a double sided tape. Use level when installing bottom track Bis and Solar. Mount handle to the panel using fixing screws. Maximum leaf weight is 50kg. Apply a silicone sealant to the adaptive track. After removing the protecting tape, wipe profile using Nitro solvent.



To calculate the height of panel depending of the used bottom track:

TD.....	- 45mm =	Panel height
TDB.....	- 40mm =	Panel height
TDS.....	- 35mm =	Panel height

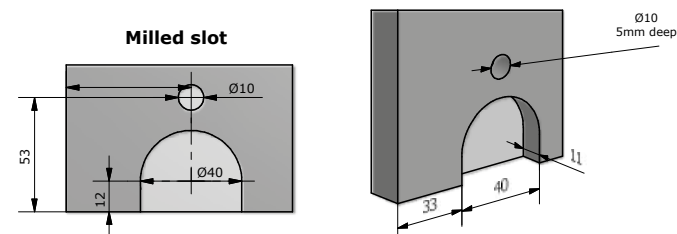
The handle need to be cut 3mm longer than the height of the panel.

To calculate the width of the panel for two wings:
 $(\text{Opening width}) / 2 = \text{Panel width}$

To calculate the width of the panel for three wings:
 $(\text{Opening width} + 20\text{mm}) / 3 = \text{Panel width}$

To calculate the width of the panel for four wings:
 $(\text{Opening width} + 40\text{mm}) / 4 = \text{Panel width}$

To enhance the decorative effect you can use a 22x2mm PVC strip inserted to the handle. Soft close mechanism should be installed 120mm from the wing edge, while the trigger should be installed 300mm from the edge of the track.



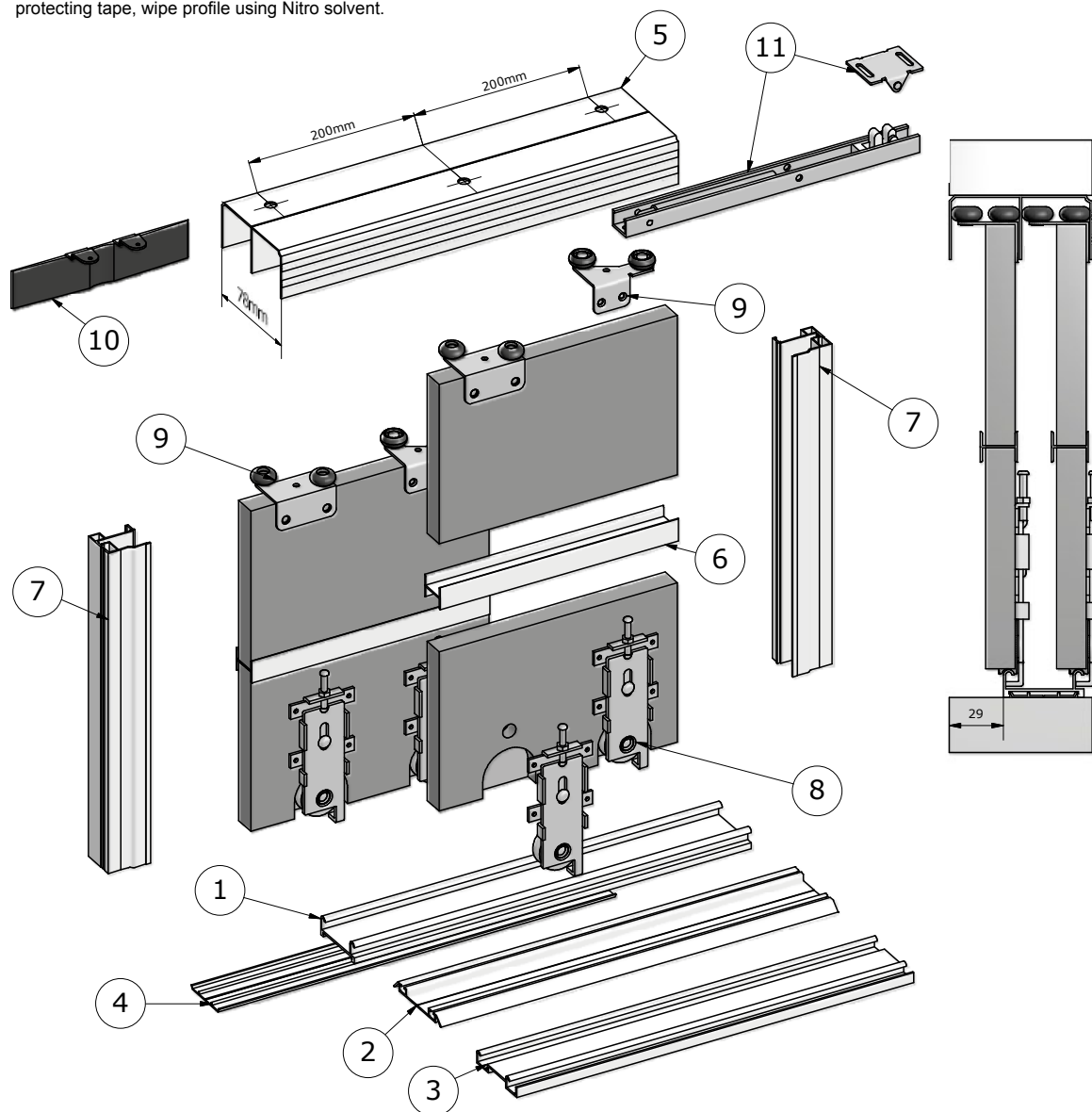
Examples of merger of handle with various fillings.

Panel 18mm



1	2	3	4	5	6	7	8	9	10	11
TDB	TDS	TD	TA	TG	PH	RP	B600/B600N	B10MMG	S800	SD800

Bimak UK Limited do not take responsibility for profile deformations caused by the use of poor quality panels. To mount the glass, use a double sided tape. Use level when installing bottom track Bis and Solar. Mount handle to the panel using fixing screws. Maximum leaf weight is 50kg. Apply a silicone sealant to the adaptive track and edges of the glass/mirror. After removing the protecting tape, wipe profile using Nitro solvent.



To calculate the height of panel depending of the used bottom track:

TD..... - 45mm =

Opening height Panel height

TDB..... - 40mm =

Opening height Panel height

TDS..... - 35mm =

Opening height Panel height

The handle need to be cut 3mm longer than the height of the panel.

To calculate the width of the panel for two wings:

(..... - 20mm)/2=

Opening width Panel width

To calculate the width of the panel for three wings:

(..... - 10mm)/3=

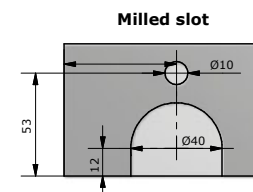
Opening width Panel width

To calculate the width of the panel for four wings:

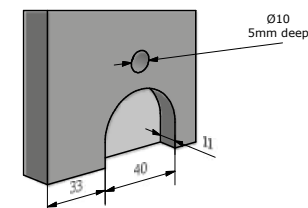
(.....) /4=

Opening width Panel width

When using the connecting H-profile, total panel height is reduced by 16mm and for glass/mirror, by 3mm. Soft close mechanism should be installed 120mm from the wing edge, while the trigger should be installed 300mm from the edge of the track.



Milled slot



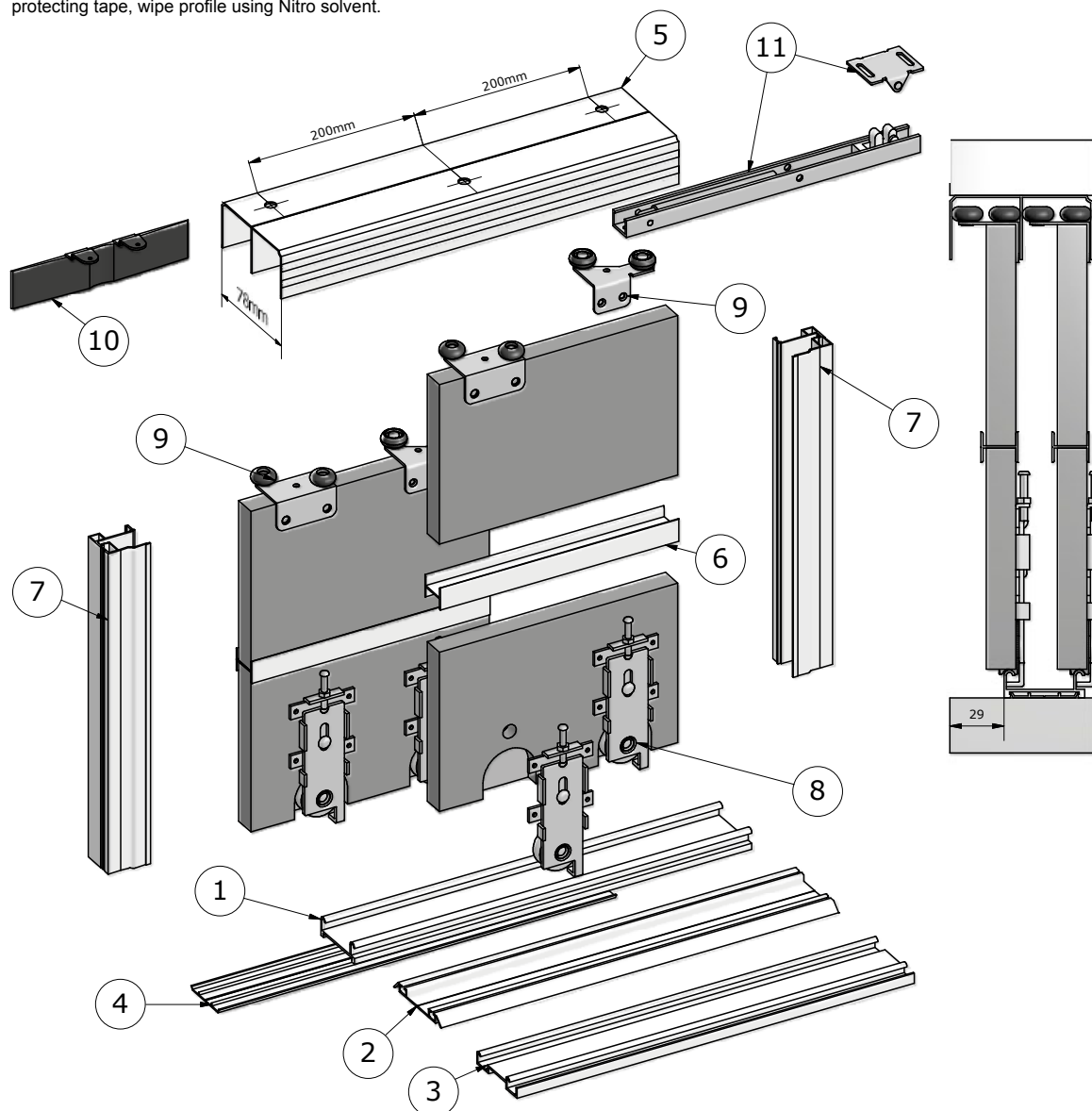
Examples of merger of handle with various fillings.

Panel 18mm



1	2	3	4	5	6	7	8	9	10	11
TDB	TDS	TD	TA	TG	PH	RN	B600/B600N	B800/B800A/B800M	S800	SD800

Bimak UK Limited do not take responsibility for profile deformations caused by the use of poor quality panels. To mount the glass, use a double sided tape. Use level when installing bottom track Bis and Solar. Mount handle to the panel using fixing screws. Maximum leaf weight is 50kg. Apply a silicone sealant to the adaptive track and edges of the glass/mirror. After removing the protecting tape, wipe profile using Nitro solvent.



To calculate the height of panel depending of the used bottom track:

$$\begin{aligned} \text{TD} & \dots\dots\dots - 45\text{mm} = \dots\dots\dots \\ & \text{Opening height} \qquad \text{Panel height} \\ \text{TDB} & \dots\dots\dots - 40\text{mm} = \dots\dots\dots \\ & \text{Opening height} \qquad \text{Panel height} \\ \text{TDS} & \dots\dots\dots - 35\text{mm} = \dots\dots\dots \\ & \text{Opening height} \qquad \text{Panel height} \end{aligned}$$

The handle need to be cut 3mm longer than the height of the panel.

To calculate the width of the panel for two wings:

$$\begin{aligned} & (\dots\dots\dots)/2 = \dots\dots\dots \\ & \text{Opening width} \qquad \text{Panel width} \end{aligned}$$

To calculate the width of the panel for three wings:

$$\begin{aligned} & (\dots\dots\dots + 20\text{mm})/3 = \dots\dots\dots \\ & \text{Opening width} \qquad \text{Panel width} \end{aligned}$$

To calculate the width of the panel for four wings:

$$\begin{aligned} & (\dots\dots\dots + 40\text{mm})/4 = \dots\dots\dots \\ & \text{Opening width} \qquad \text{Panel width} \end{aligned}$$

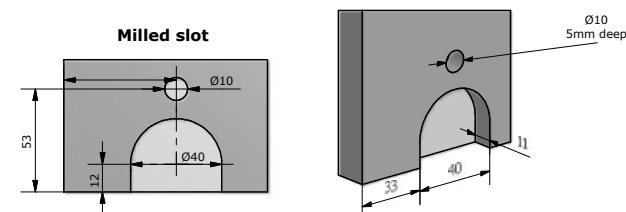
To calculate the height of glass/mirror:

$$\begin{aligned} & \dots\dots\dots + 12\text{mm} = \dots\dots\dots \\ & \text{Panel height} \qquad \text{Glass/mirror height} \end{aligned}$$

To calculate the width of glass/mirror:

$$\begin{aligned} & \dots\dots\dots + 12\text{mm} = \dots\dots\dots \\ & \text{Panel width} \qquad \text{Glass/mirror width} \end{aligned}$$

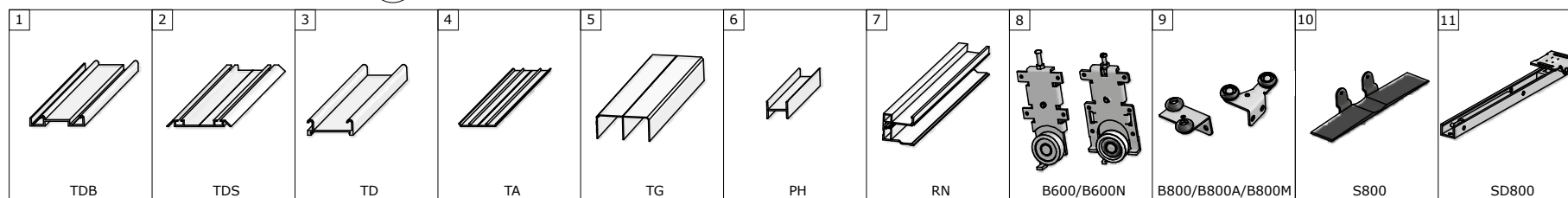
When using the connecting H-profile, total panel height is reduced by 16mm and for glass/mirror, by 3mm. Soft close mechanism should be installed 120mm from the wing edge, while the trigger should be installed 300mm from the edge of the track.

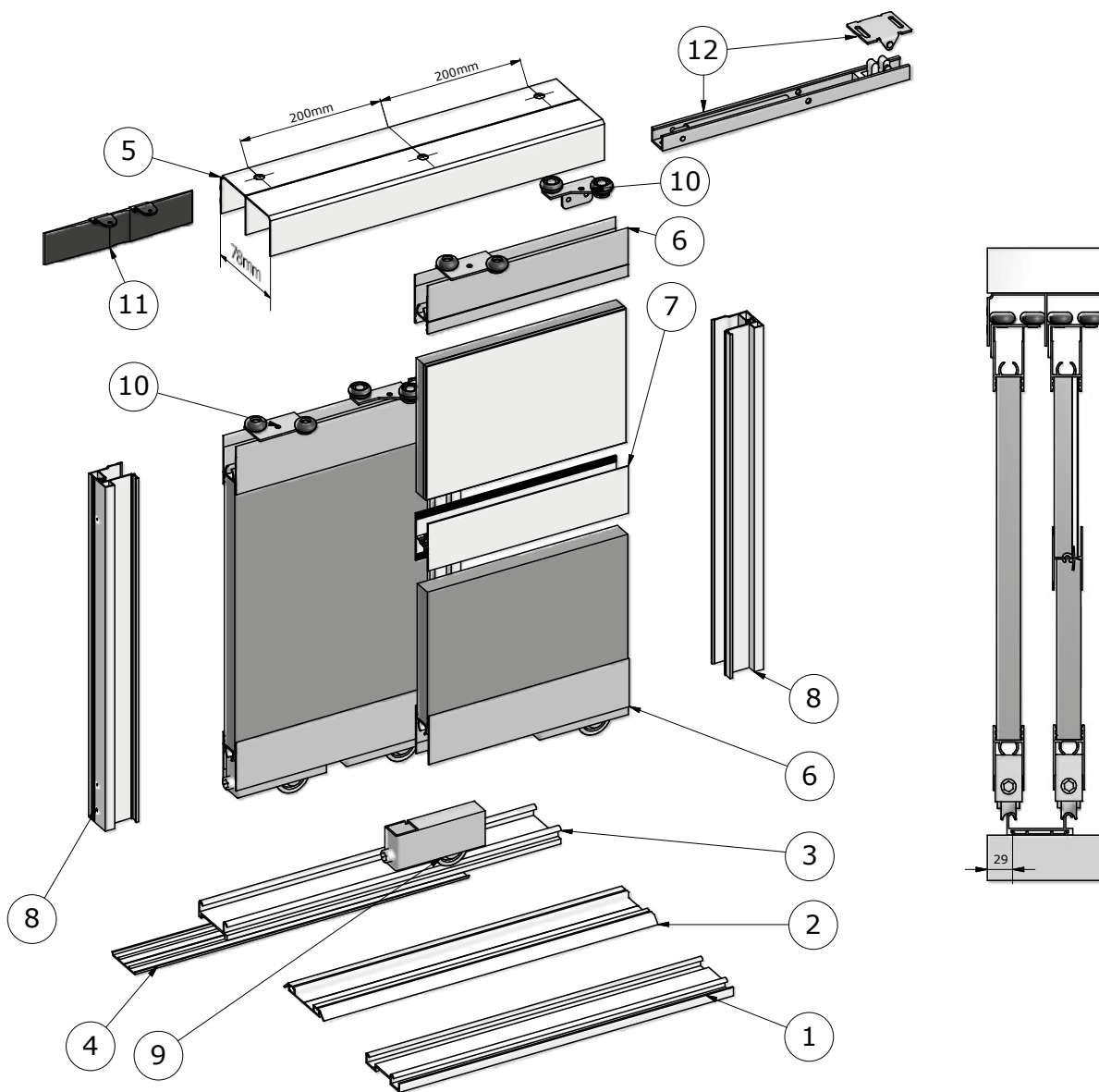


Examples of merger of handle with various fillings.

Panel 12mm + glass/mirror

Panel 16mm





To calculate the height of panel depending of the used bottom track:

$$\begin{aligned} \text{TD} & \dots\dots\dots - 133\text{mm} = \dots\dots\dots \text{Panel height} \\ & \text{Opening height} \quad \text{Panel height} \\ \text{TDB} & \dots\dots\dots - 127\text{mm} = \dots\dots\dots \text{Panel height} \\ & \text{Opening height} \quad \text{Panel height} \\ \text{TDS} & \dots\dots\dots - 123\text{mm} = \dots\dots\dots \text{Panel height} \\ & \text{Opening height} \quad \text{Panel height} \end{aligned}$$

The handle need to be cut 93mm longer than the height of the panel.

To calculate the width of the panel for two wings:

$$(\dots\dots\dots - 20\text{mm})/2 = \dots\dots\dots \text{Panel width}$$

Opening width Panel width

To calculate the width of the panel for three wings:

$$(\dots\dots\dots - 10\text{mm})/3 = \dots\dots\dots \text{Panel width}$$

Opening width Panel width

To calculate the width of the panel for four wings:

$$(\dots\dots\dots) / 4 = \dots\dots\dots \text{Panel width}$$

Opening width Panel width

To calculate the length for horizontal profiles:

$$\dots\dots\dots - 20\text{mm} = \dots\dots\dots \text{Horizontal profiles length}$$

Panel width Horizontal profiles length

To calculate the height of glass/mirror:

$$\dots\dots\dots + 12\text{mm} = \dots\dots\dots \text{Gglass/mirror height}$$

Panel height Gglass/mirror height

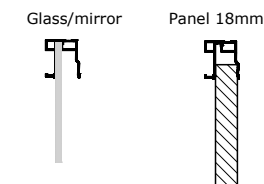
To calculate the width of glass/mirror:

$$\dots\dots\dots + 30\text{mm} = \dots\dots\dots \text{Glass/mirror width}$$

Panel width Glass/mirror width

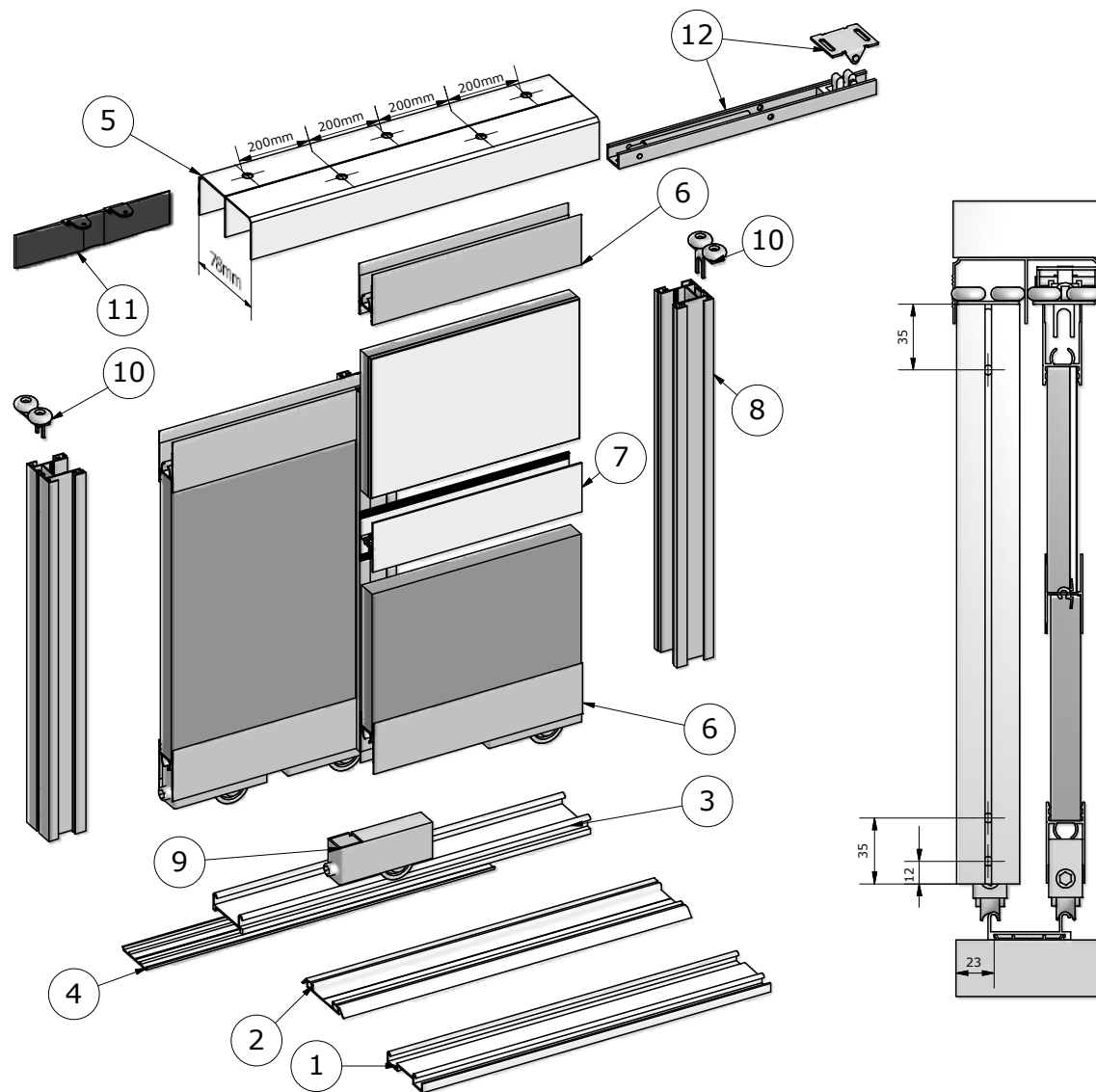
When using 16mm panel, width of panel will be increased by 20mm. When using the connecting H-profile, total panel height is reduced by 16mm and for glass/mirror, by 3mm. Soft close mechanism should be installed 120mm from the wing edge, while the trigger should be installed 300mm from the edge of the track.

Examples of merger of handle with various fillings.



1	2	3	4	5	6	7	8	9	10	11	12
TDB	TDS	TD	TA	TG	RPN	PLN	RN	ND-510N	B800/B800A/B800M	S800	SD800

Bimak UK Limited do not take responsibility for profile deformations caused by the use of poor quality panels. To mount the glass, use a double sided tape. Use level when installing bottom track Bis and Solar. Maximum leaf weight is 50kg. Apply a silicone sealant to the adaptive track and edges of the glass/mirror. After removing the protecting tape, wipe profile using Nitro solvent.



To calculate the height of panel depending of the used bottom track:

$$\begin{aligned} \text{TD} & \dots\dots\dots - 133\text{mm} = \dots\dots\dots \\ & \text{Opening height} \qquad \text{Panel height} \\ \text{TDB} & \dots\dots\dots - 127\text{mm} = \dots\dots\dots \\ & \text{Opening height} \qquad \text{Panel height} \\ \text{TDS} & \dots\dots\dots - 123\text{mm} = \dots\dots\dots \\ & \text{Opening height} \qquad \text{Panel height} \end{aligned}$$

The handle need to be cut 93mm longer than the height of the panel.

To calculate the width of the panel for two wings:

$$\begin{aligned} & (\dots\dots\dots - 20\text{mm}) / 2 = \dots\dots\dots \\ & \text{Opening width} \qquad \text{Panel width} \end{aligned}$$

To calculate the width of the panel for three wings:

$$\begin{aligned} & (\dots\dots\dots - 10\text{mm}) / 3 = \dots\dots\dots \\ & \text{Opening width} \qquad \text{Panel width} \end{aligned}$$

To calculate the width of the panel for four wings:

$$\begin{aligned} & (\dots\dots\dots) / 4 = \dots\dots\dots \\ & \text{Opening width} \qquad \text{Panel width} \end{aligned}$$

To calculate the length for horizontal profiles:

$$\begin{aligned} & \dots\dots\dots - 20\text{mm} = \dots\dots\dots \\ & \text{Panel width} \qquad \text{Horizontal profiles length} \end{aligned}$$

To calculate the height of glass/mirror:

$$\begin{aligned} & \dots\dots\dots - 12\text{mm} = \dots\dots\dots \\ & \text{Panel height} \qquad \text{Gglass/mirror height} \end{aligned}$$

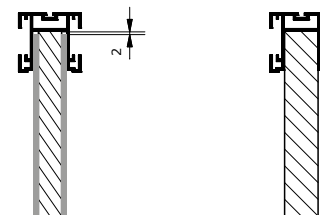
To calculate the width of glass/mirror:

$$\begin{aligned} & \dots\dots\dots - 4\text{mm} = \dots\dots\dots \\ & \text{Panel width} \qquad \text{Glass/mirror width} \end{aligned}$$

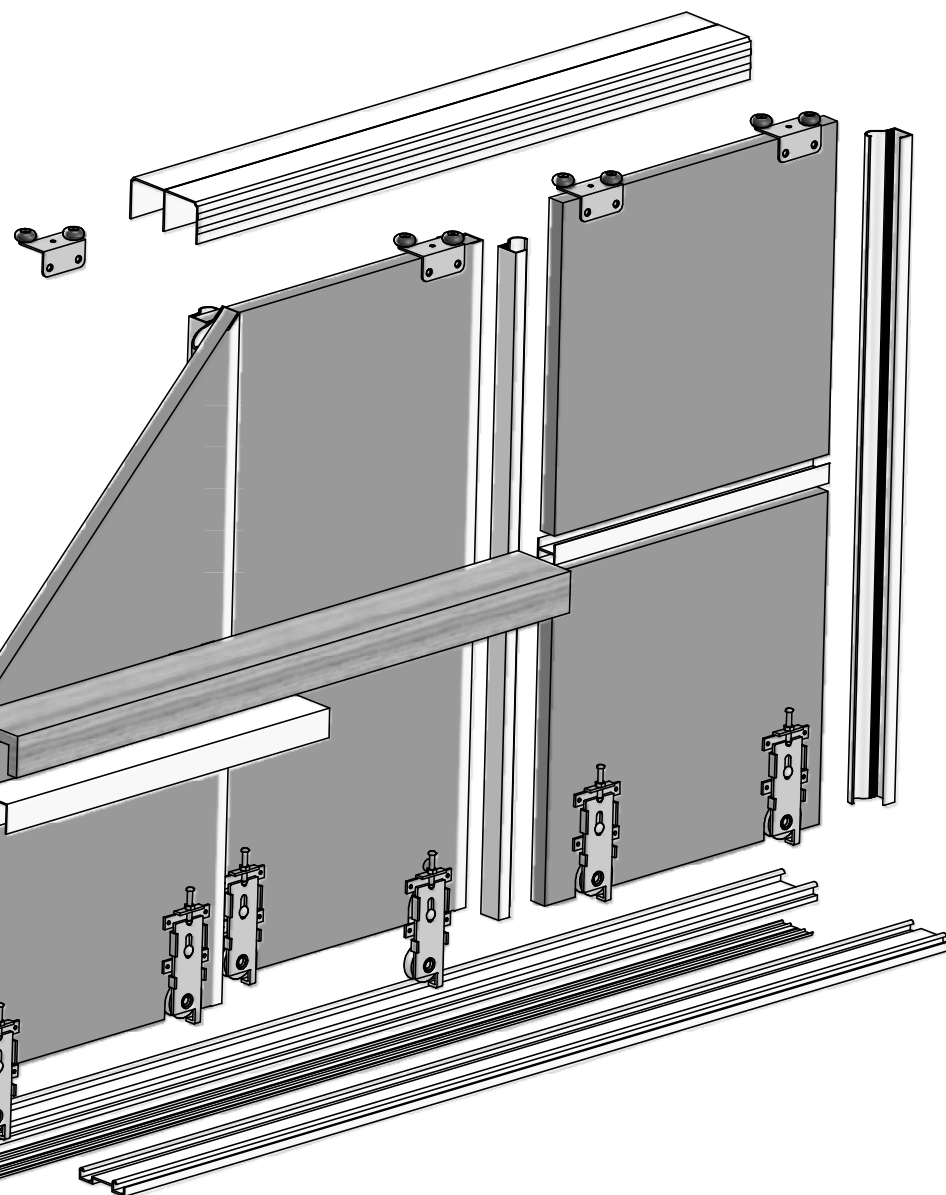
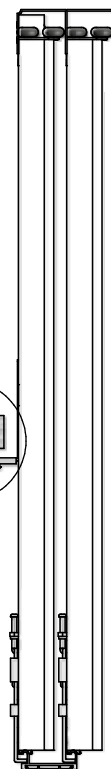
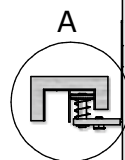
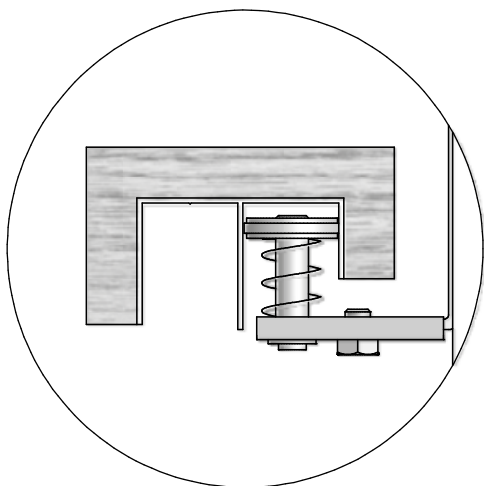
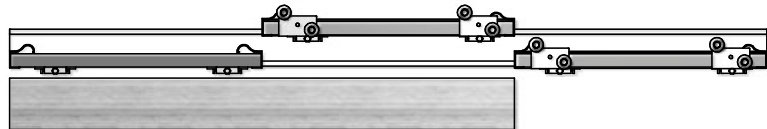
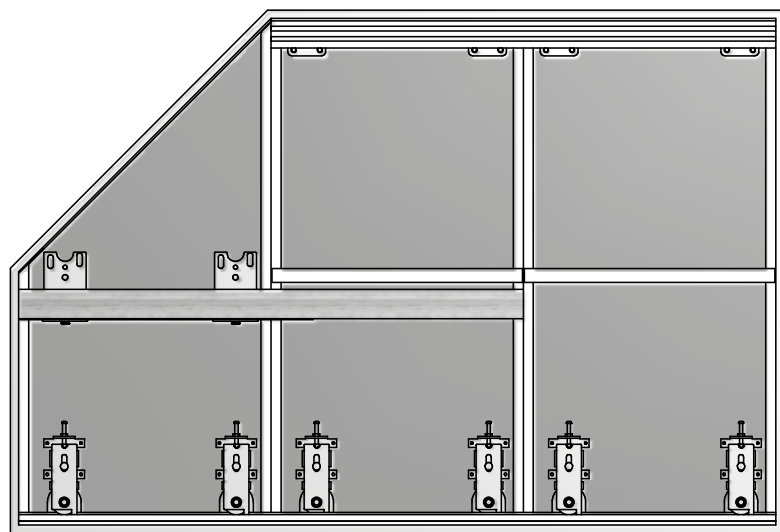
To enhance the decorative effect you can use a 22x2mm PVC strip inserted to the handle. When using the connecting H-profile, total panel height is reduced by 16mm and for glass/mirror, by 3mm. Soft close mechanism should be installed 120mm from the wing edge, while the trigger should be installed 300mm from the edge of the track.

Examples of merger of handle with various fillings.

Panel 10mm + 2x glass/mirror 4mm Panel 18mm



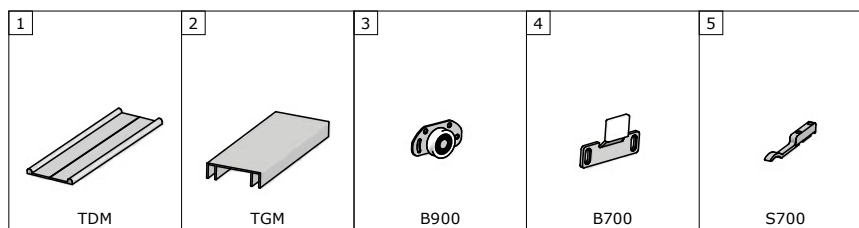
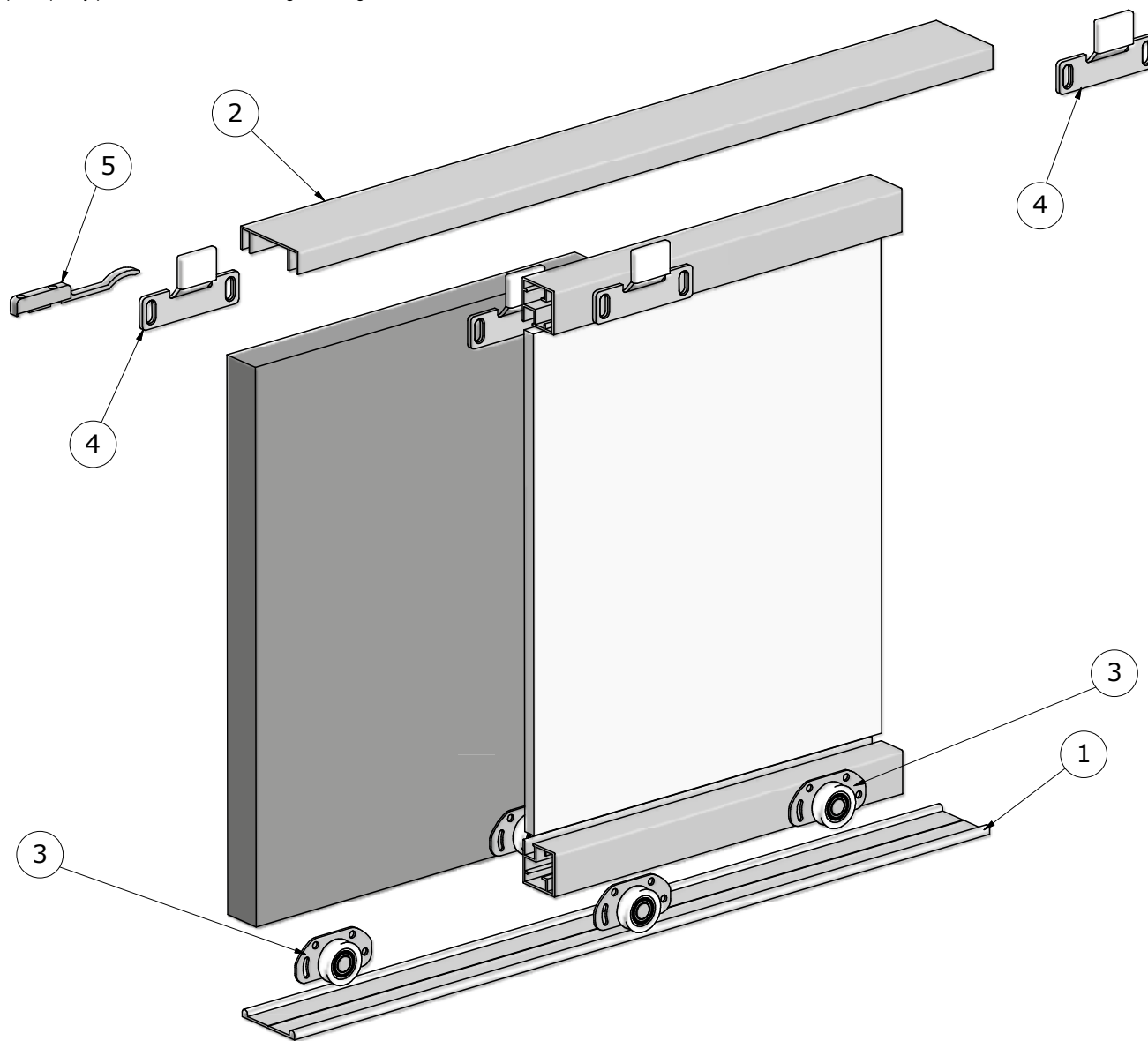
1	2	3	4	5	6	7	8	9	10	11	12
TDB	TDS	TD	TA	TG	RPN	PLN	RP	ND-510N	B10MMG	S800	SD800



Bimak UK Limited do not take responsibility for profile deformations caused by the use of poor quality panels. Maximum leaf weight is 50kg.

Dimensions should be calculated in accordance with the instructions of the system which you want to install, e.g. when installing angled doors based on a system MEGA, all calculation can be found in the MEGA installation guide.

Bimak UK Limited do not take responsibility for profile deformations caused by the use of poor quality panels. Maximum leaf weight is 25kg.



To calculate the height of panel:

$$\text{Opening height} - 10\text{mm} = \text{Panel height}$$

To calculate the width of the panel for two wings:

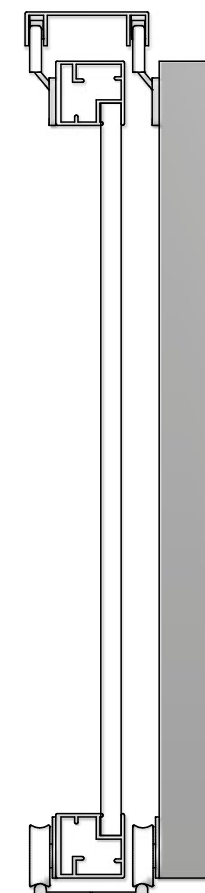
$$(\text{Opening width} + 30\text{mm}) / 2 = \text{Panel width}$$

To calculate the width of the panel for three wings:

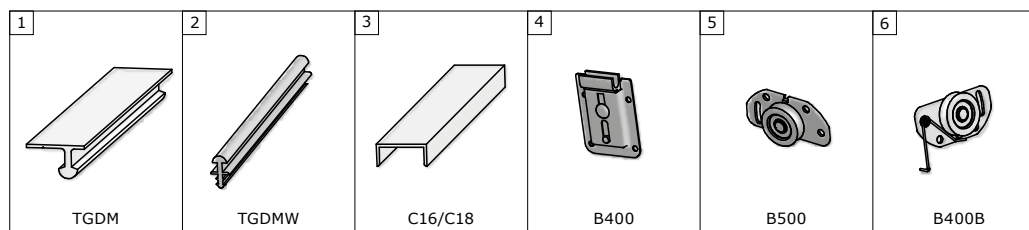
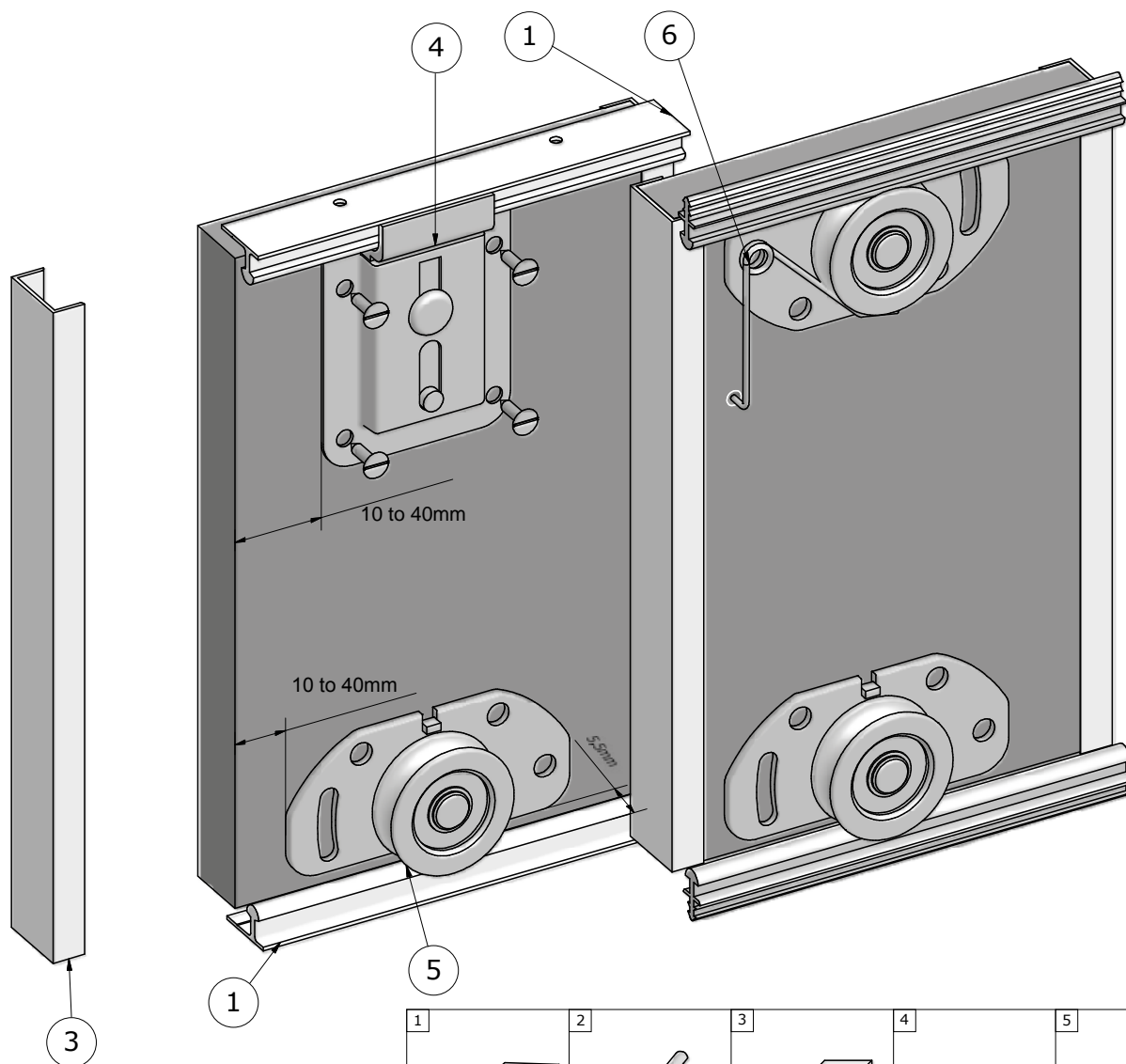
$$(\text{Opening width} + 60\text{mm}) / 3 = \text{Panel width}$$

To calculate the width of the panel for four wings:

$$(\text{Opening width} + 90\text{mm}) / 4 = \text{Panel width}$$



Bimak UK Limited do not take responsibility for profile deformations caused by the use of poor quality panels. Maximum leaf weight is 50kg.



To calculate the height of panel:

$$\text{Opening height} - 12\text{mm} = \text{Panel height}$$

To calculate the width of the panel for two wings:

$$(\text{Opening width} + 30\text{mm}) / 2 = \text{Panel width}$$

To calculate the width of the panel for three wings:

$$(\text{Opening width} + 60\text{mm}) / 3 = \text{Panel width}$$

To calculate the width of the panel for four wings:

$$(\text{Opening width} + 90\text{mm}) / 4 = \text{Panel width}$$

