



# MALMERK KLAASIUM

## Balcony Railings

PRODUCT CATALOGUE

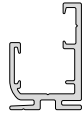






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**Malmerk Klaasium offers wide variety of balcony railings. We design and produce the solution-oriented railings according to customer needs. Our up-to date processes, experts and long experience quarantees a well-functioning custom, secure and long-lasting solutions.**

## **Our mission**

Transforming outdoor areas into practical, safe, useful and valuable extra spaces.

## **Our vision**

To be the preferred partner offering glass aluminium balcony and terrace products in the Nordic-Baltic countries.

## **Our values**

Reliable  
Forward-thriving  
Solution-oriented  
Honest & caring



# General information

**Malmerk Klaasium has designed a railing system in a way that it is possible to mix and match different profiles to create various looks. Our balcony glazing system has been taken into consideration when designing the railing system and therefore the railing system fits perfectly for our balcony glazing system.**

## Customizable design

Railings are tailor made and customized based on customer needs - measures, colours, materials and configurations.

## Quality materials and controlled processes

Aluminum profiles and specific components are designed in-house and supplied by quality suppliers.

## In-house engineering and production.

Railing modules are premade and delivered ready assembled, ready for installation on site.

## Common design line

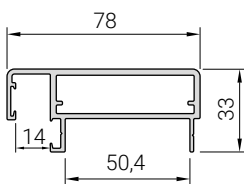
Safety glass or other fillings (e.g. high pressure laminate or fibre cement sheets) can be used as a filler. All plastic components and gaskets are black (RAL9005).

# Profile information

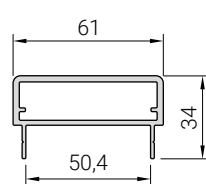
## Handrails

All our handrail profiles can be combined depending on the desired railing solutions. Profile names are in red, profile codes are in blue.

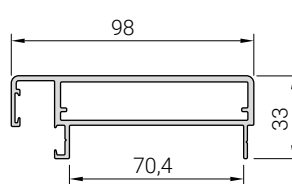
**PR20-02** **KP2-50**



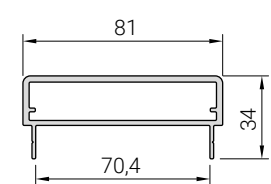
**PR20-01** **KP1-50**



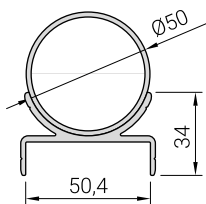
**PR20-04** **KP2-70**



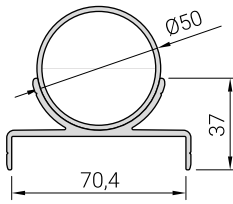
**PR20-03** **KP1-70**



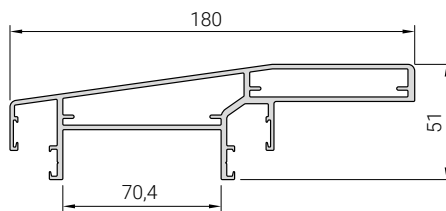
**PR20-24** **KP5-50**



**PR20-22** **KP5-70**



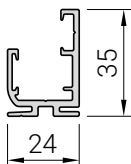
**PR20-05** **KP3-70**



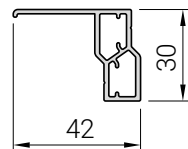
Handrail **KP3-70** can be used for enhanced wind resistant properties and for inward mounted balcony glazing system.

## Filling profiles

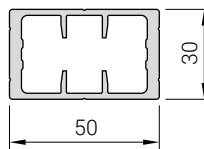
**PR20-10**



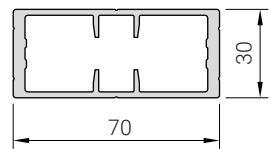
**PR20-11**



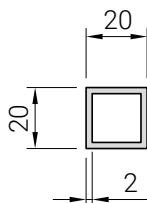
**PR20-06**



**PR20-07**



**PR20-14**



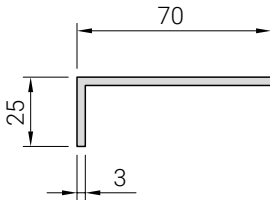
## Pillars

**SURFACE TREATMENT**  
Powder coated

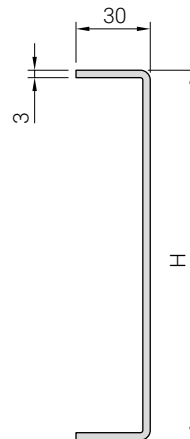
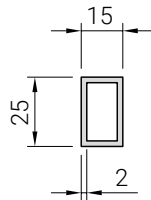
**COLOUR CHART**  
**RAL**

## Extras

PR20-16



PR40-69

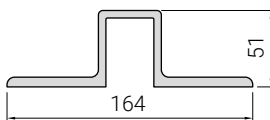


C-profile covering the face of the balcony slab.

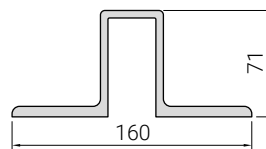
# Fixing options

## Front fixing aluminium brackets

For 50 mm pillar  
SK20-0029

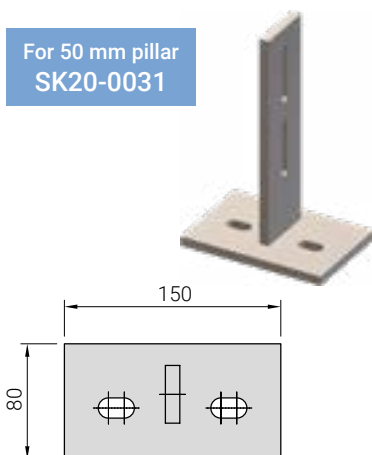


For 70 mm pillar  
SK20-0030

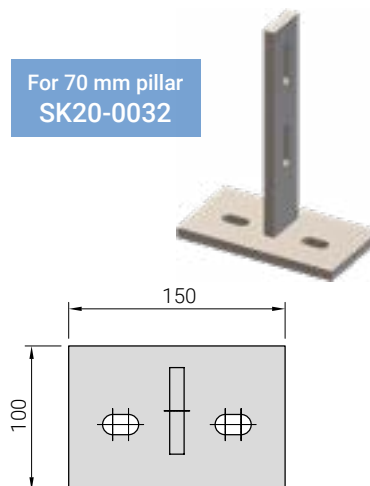


## Top fixing steel brackets

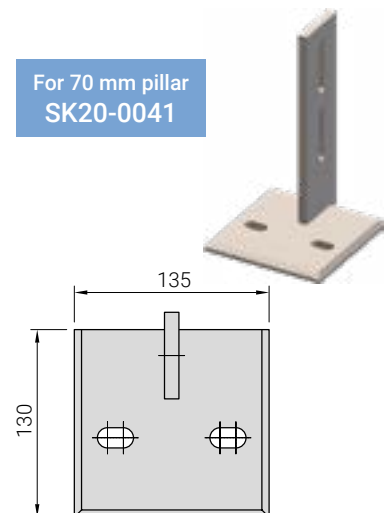
For 50 mm pillar  
SK20-0031



For 70 mm pillar  
SK20-0032



For 70 mm pillar  
SK20-0041



A top fixing bracket **STF** allows to install glass in front of the balcony slab.

# MK Standard FF



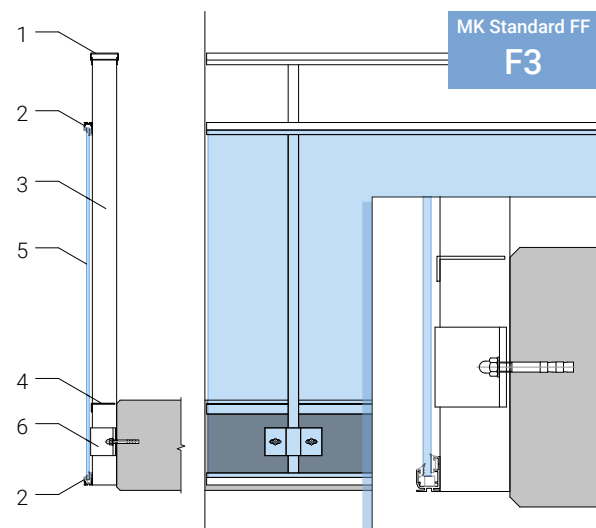
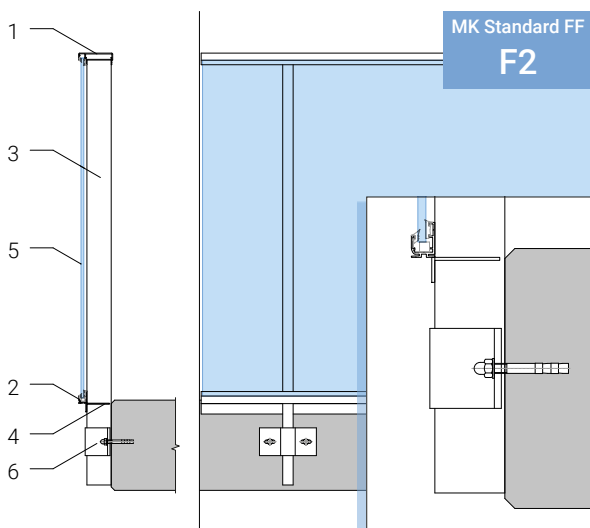
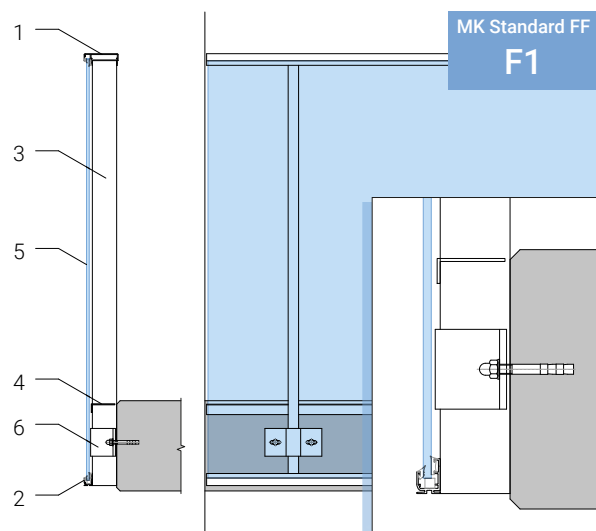
## Glass-aluminium railing: front fixed

**System MK Standard FF gives a wide variety of design options to find a perfect modern solution.**

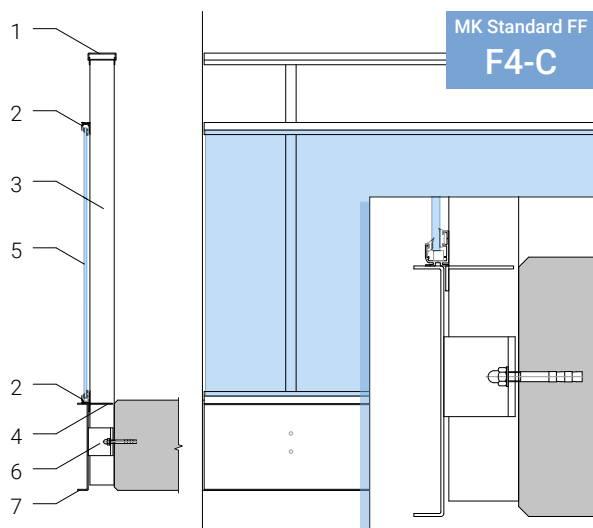
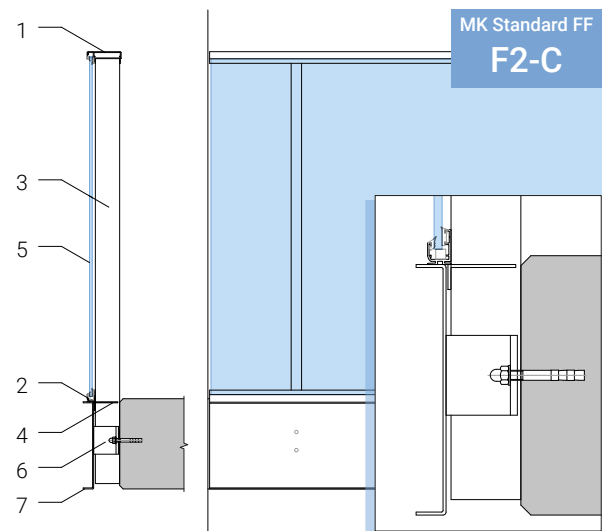
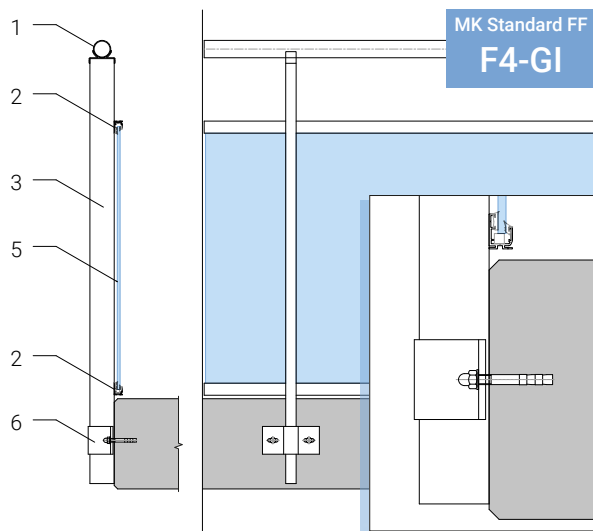
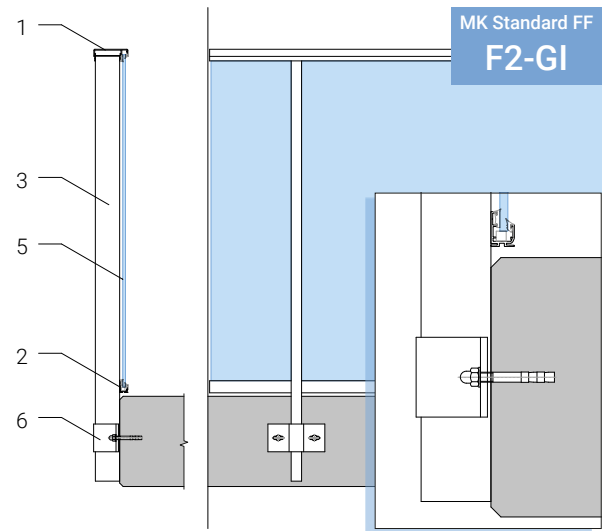
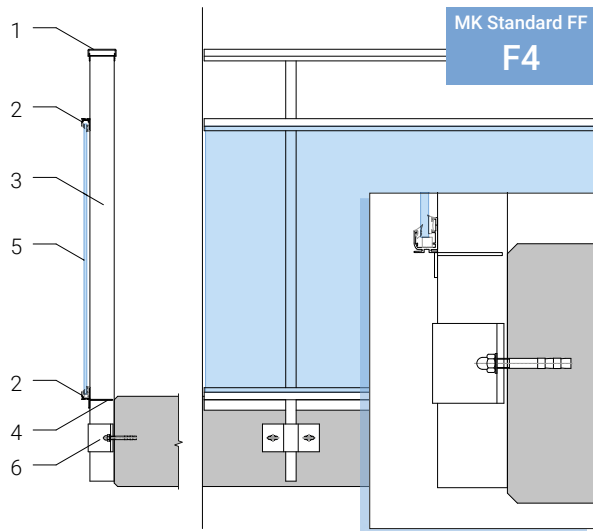
**Glass or other fillings are installed inside or outside of the pillars without vertical profiles.**

- |   |                      |
|---|----------------------|
| 1 | Handrail profile     |
| 2 | Glass profile        |
| 3 | Pillar               |
| 4 | Gap profile          |
| 5 | Filling*             |
| 6 | Front fixing bracket |
| 7 | C-profile            |

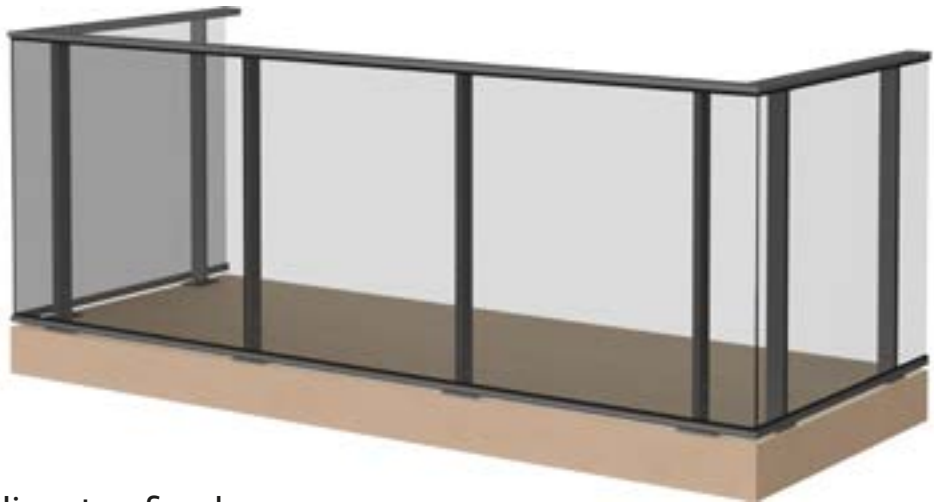
\* most popular choice of filling is glass; various composite boards e.g. Cembrit, Vivix can be used as an alternative







# MK Standard TF



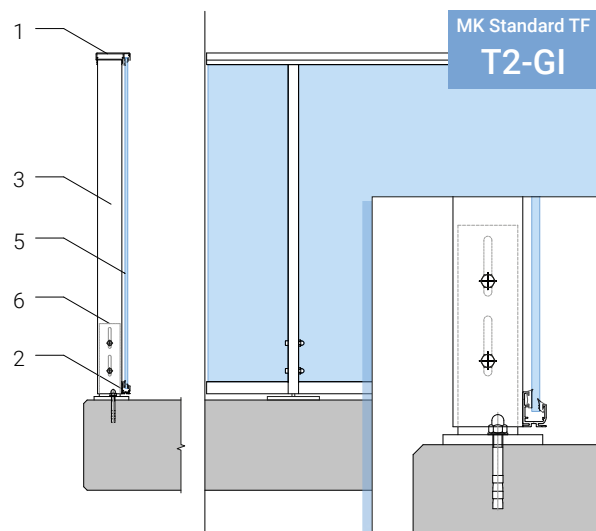
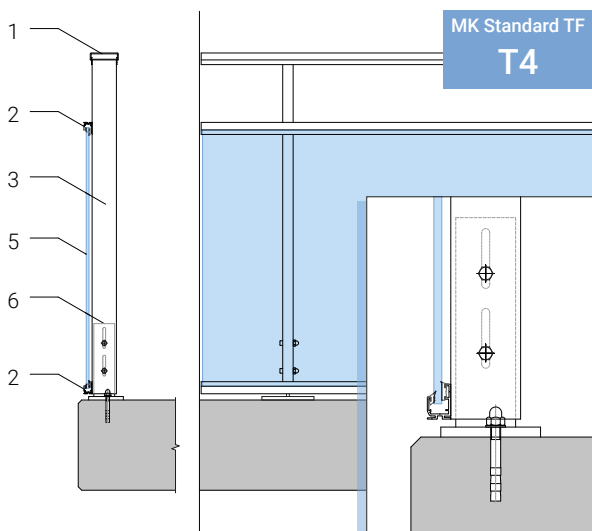
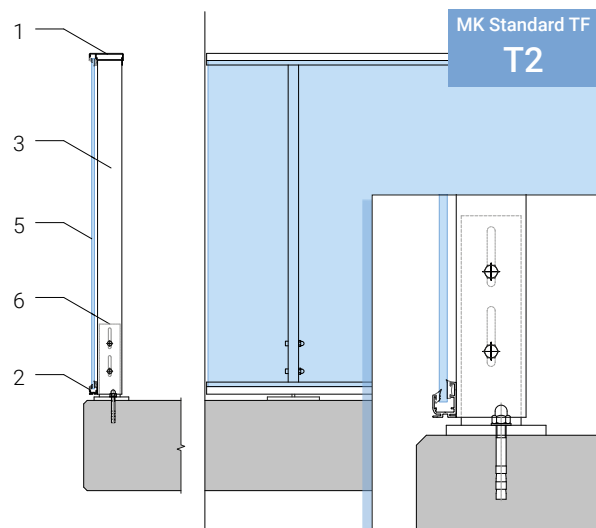
## Glass-aluminium railing: top fixed

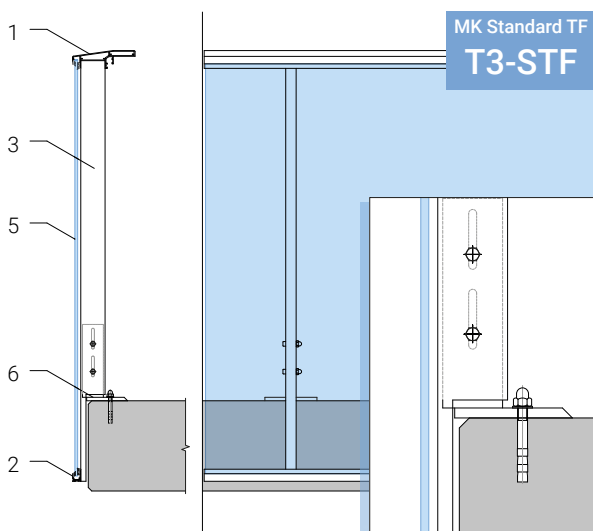
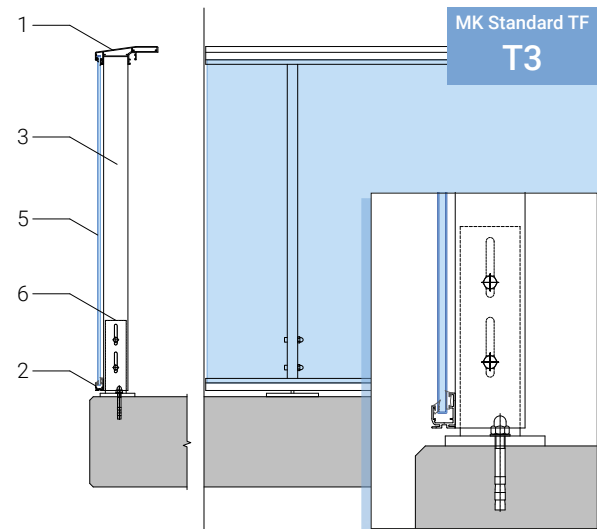
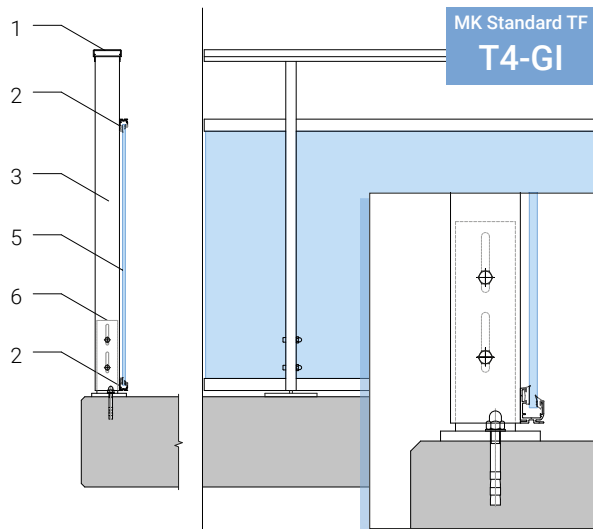
**System MK Standard TF gives several design options to find a perfect modern solution.**

**Glass or other fillings are installed inside or outside of the pillars without extra vertical profiles.**

- |   |                          |
|---|--------------------------|
| 1 | Handrail profile         |
| 2 | Glass profile            |
| 3 | Pillar                   |
| 5 | Filling*                 |
| 6 | Top fixing steel bracket |

\* most popular choice of filling is glass; various composite boards e.g. Cembrit, Vivix can be used as an alternative





# MK Classic FF

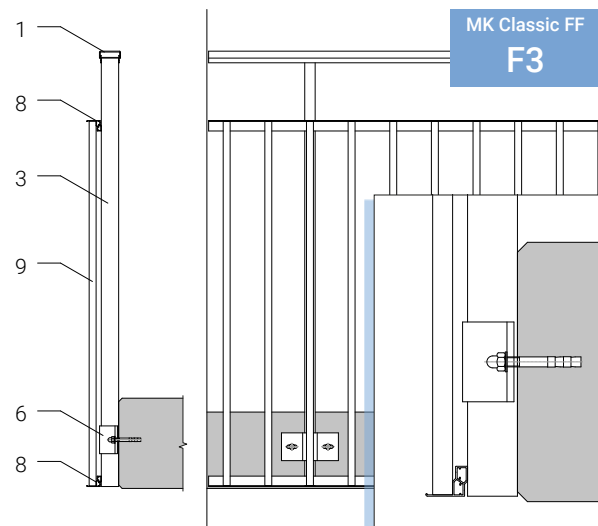
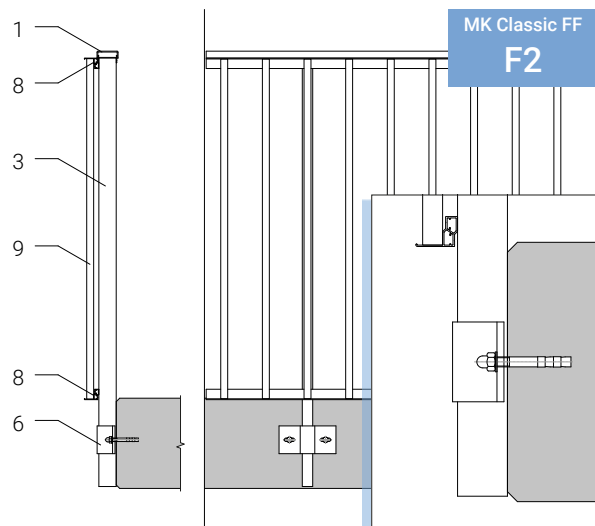
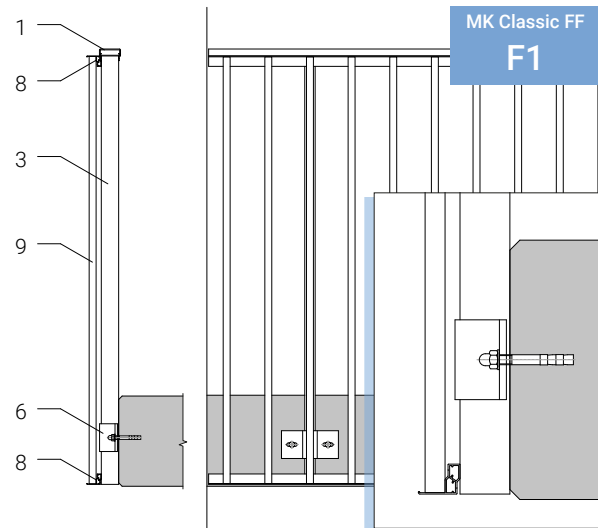


## Aluminium rod railing: front fixed

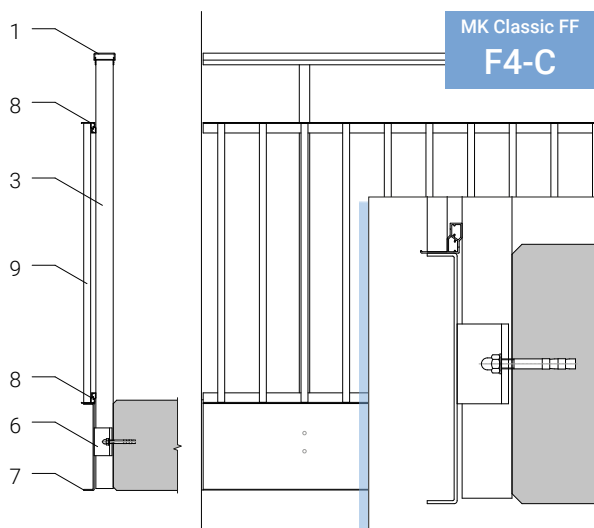
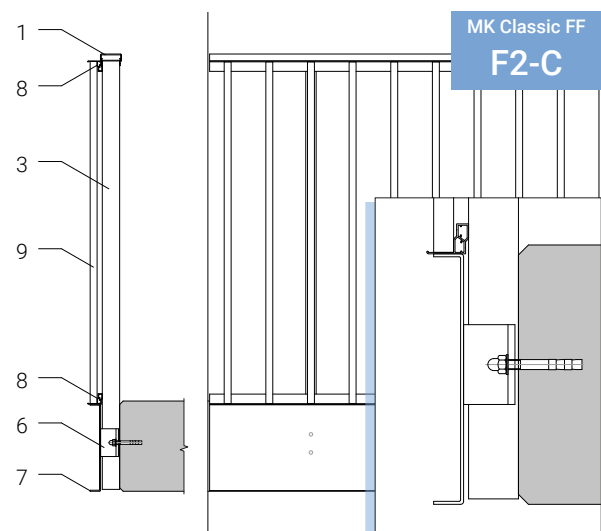
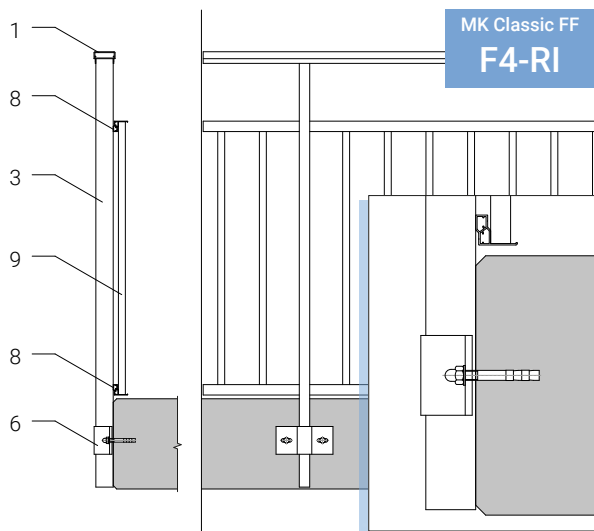
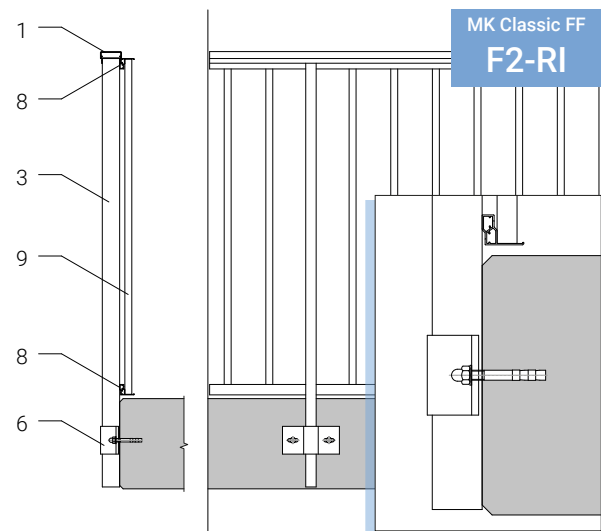
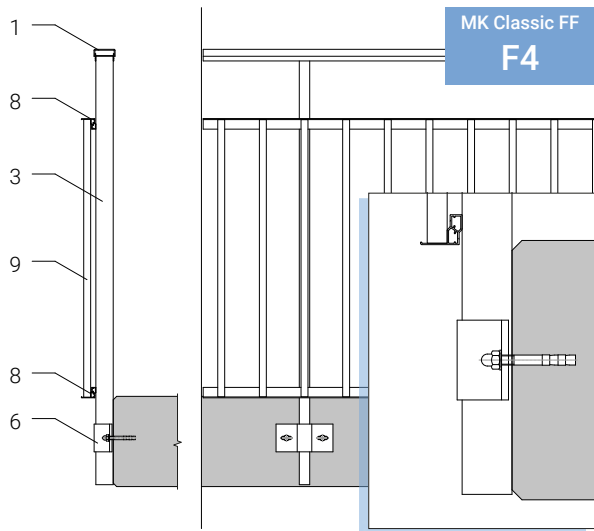
**System MK Classic FF is a light weight solution making it easy to work with.**

**Rods are installed inside or outside of the pillars.**

<b>1</b>	Handrail profile
<b>3</b>	Pillar
<b>6</b>	Front fixing bracket
<b>7</b>	C-profile
<b>8</b>	P-profile
<b>9</b>	Rods







# MK Classic TF

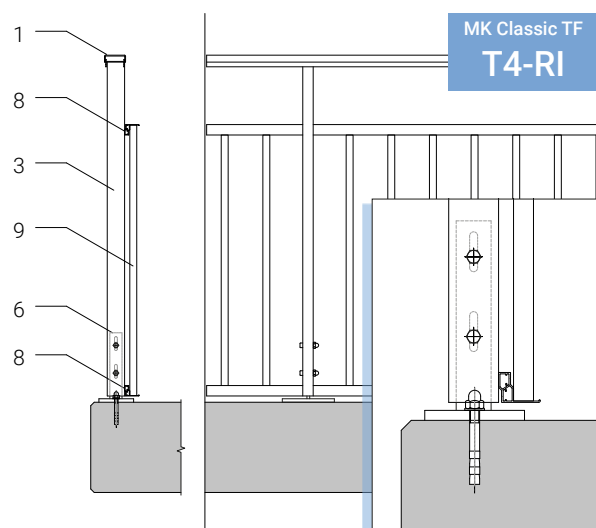
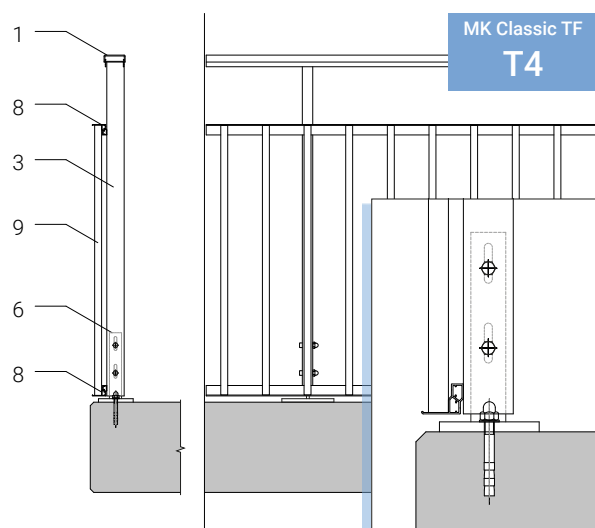
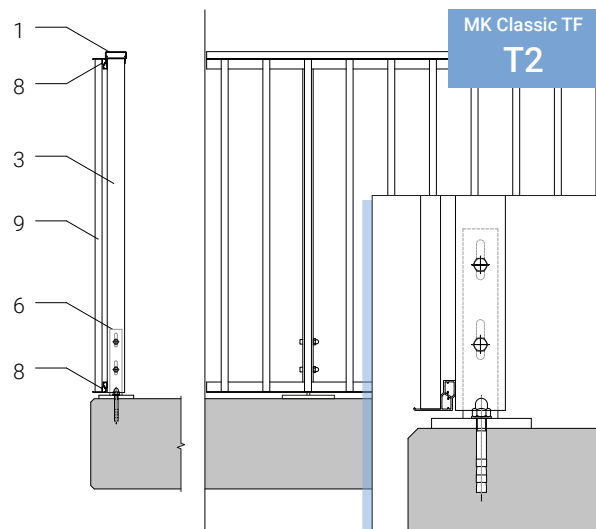


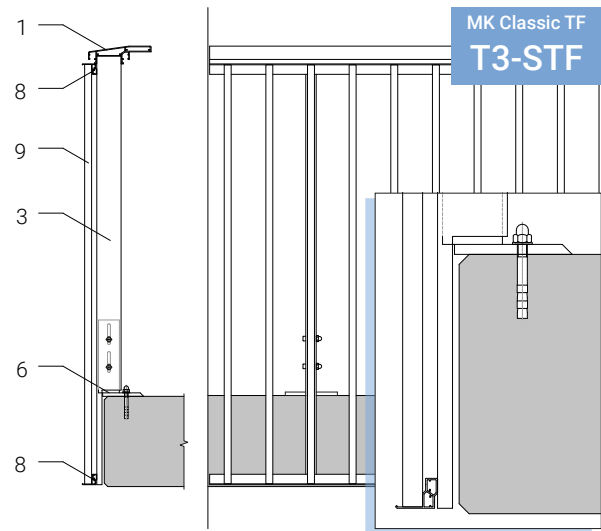
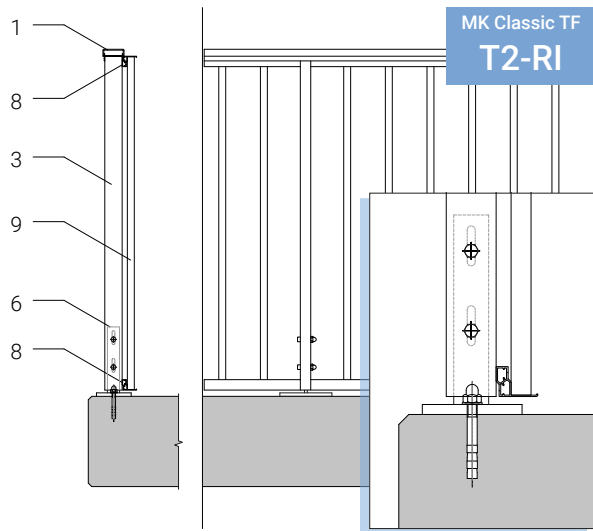
## Aluminium rod railing: top fixed

**System MK Classic TF is a light weight solution making it easy to work with.**

**Rods are installed inside or outside of the pillars.**

<b>1</b>	Handrail profile
<b>3</b>	Pillar
<b>6</b>	Fixing profile
<b>8</b>	P-profile
<b>9</b>	Rods





## SPECIAL SOLUTIONS

# MK Standard DEC



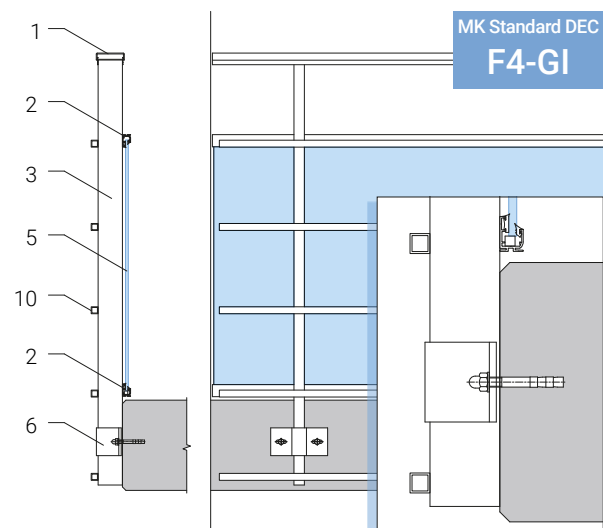
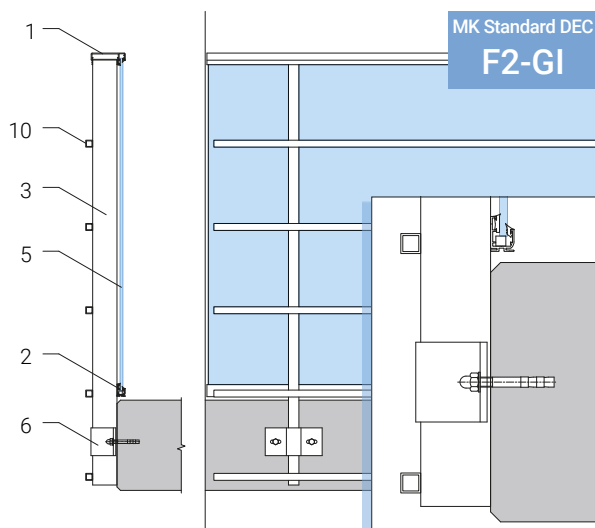
Glass-aluminium railing with horizontal decorative profiles

**System MK Standard DEC is further development of system MK.**

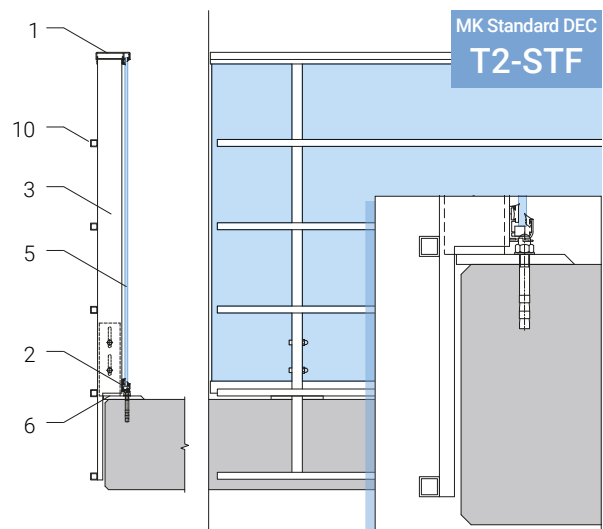
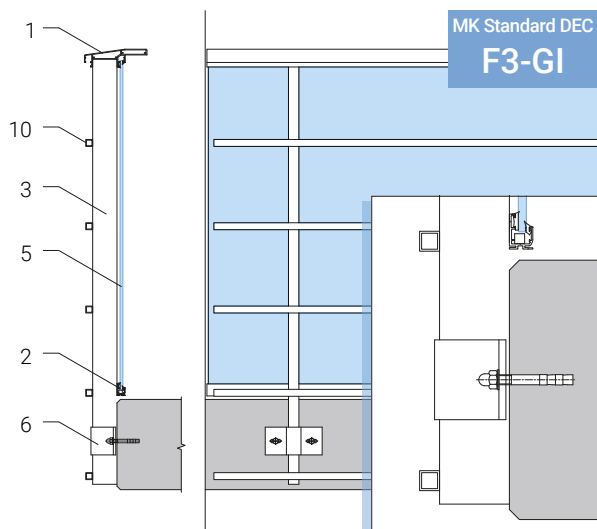
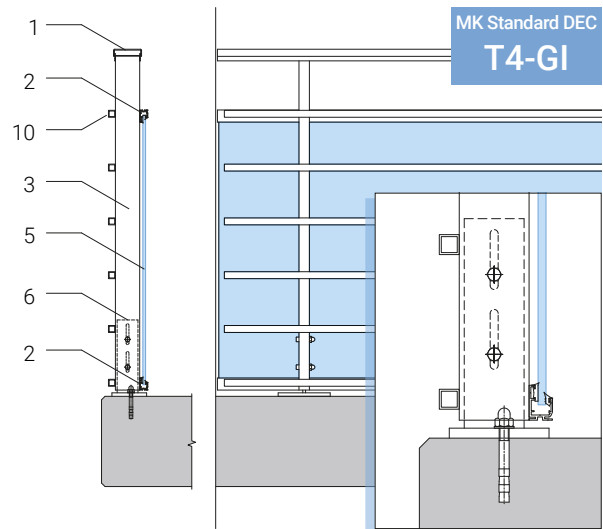
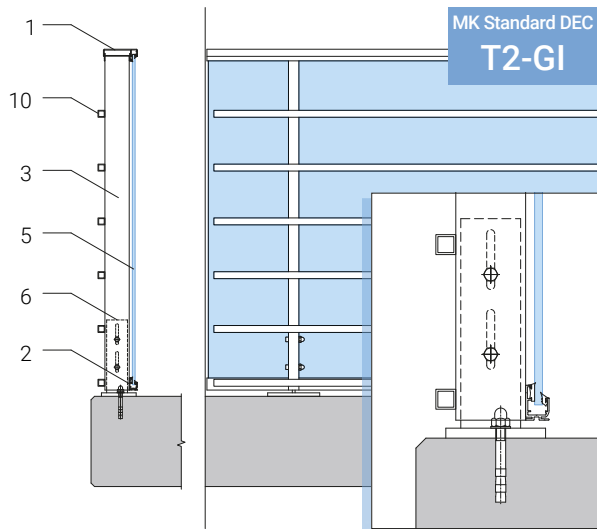
- |    |                          |
|----|--------------------------|
| 1  | Handrail profile         |
| 2  | Glass profile            |
| 3  | Pillar                   |
| 5  | Filling*                 |
| 6  | Front or top fix bracket |
| 10 | Decorative profile       |

\* most popular choice of filling is glass; various composite boards e.g. Cembrit, Vivix can be used as an alternative

**Glass or other fillings are installed inside of the pillars without vertical profiles and horizontal decorative profiles installed outside of the pillars.**







## SPECIAL SOLUTIONS

# MK Nordic



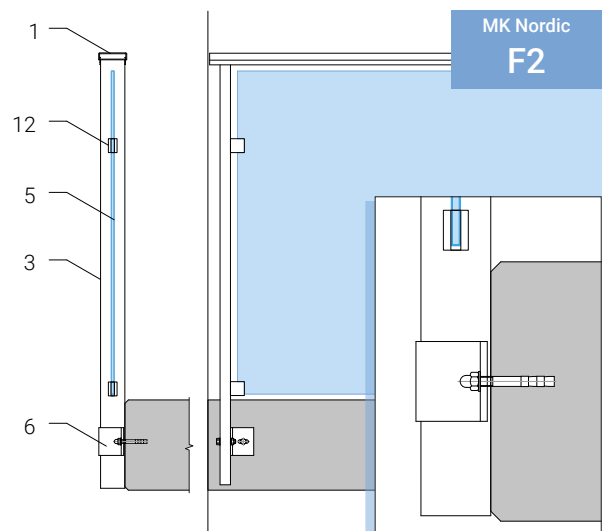
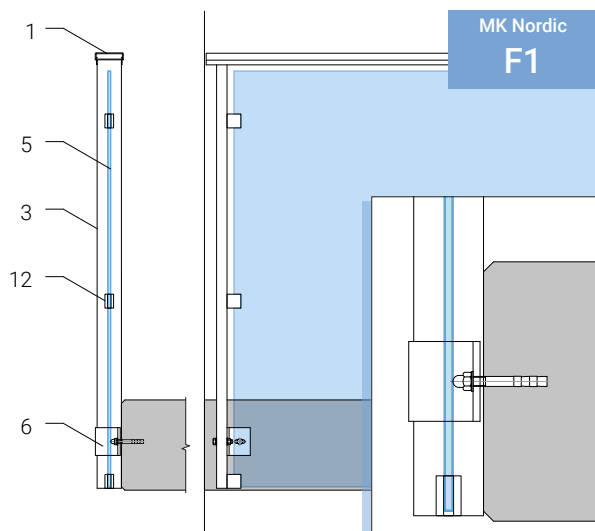
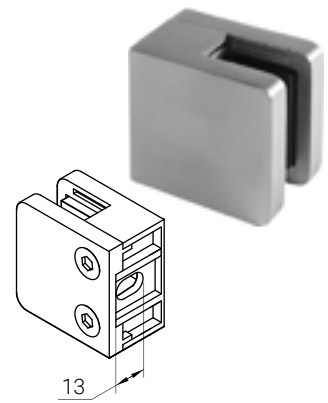
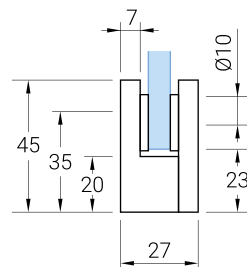
### Glass-aluminium railing with clamps

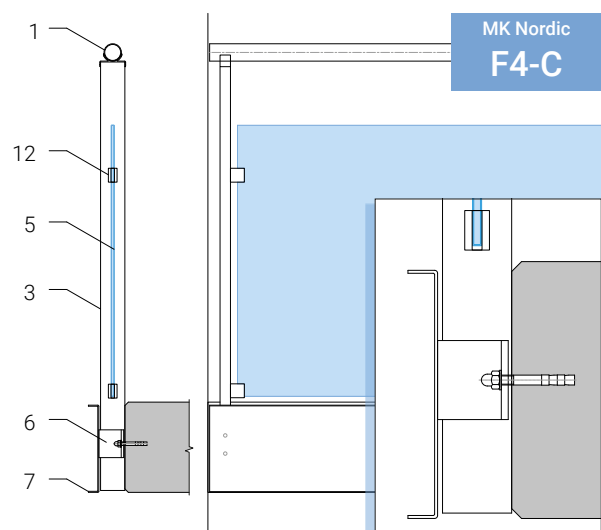
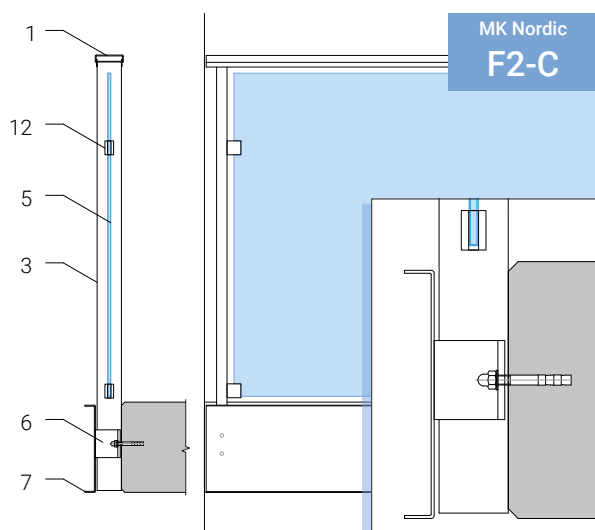
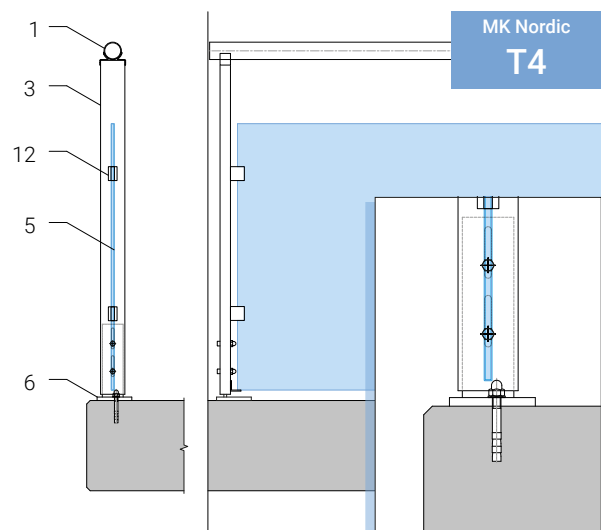
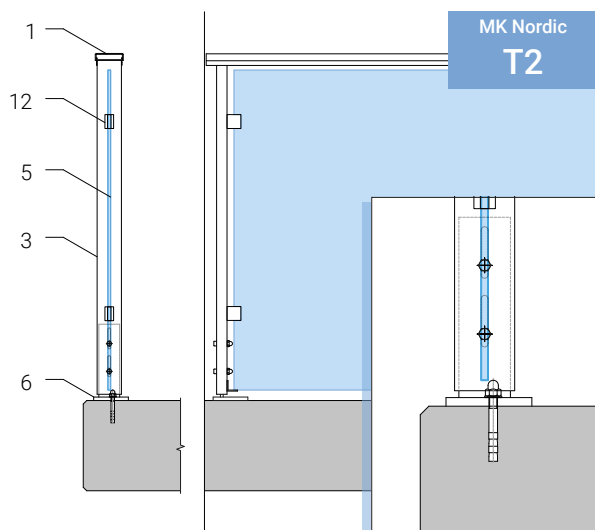
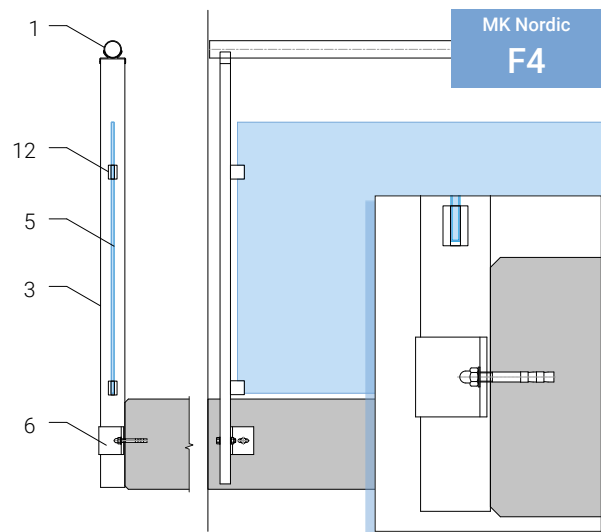
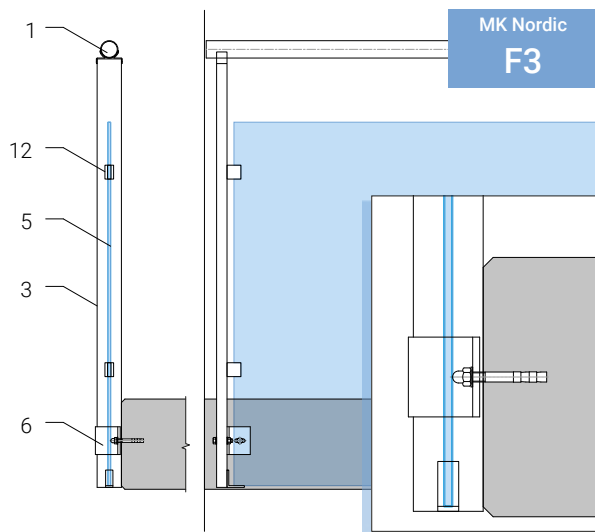
**System MK Nordic is a simple solution that has a lot of different possibilities.**

**Glass is installed between the pillars with stainless steel glass clamps.**

1	Handrail profile
3	Pillar
5	Filling
6	Front or top fixing bracket
7	C-profile
12	Glass clamp

45x45 mm stainless steel  
SK20-0037





## SPECIAL SOLUTIONS

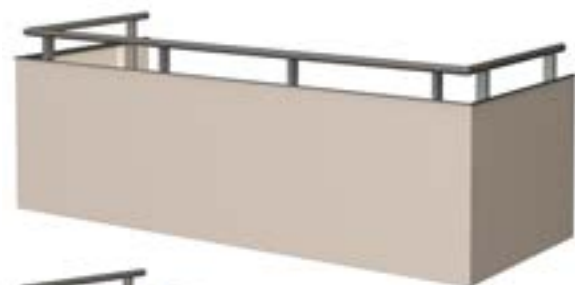
# MK Scandic



Aluminium railing with various sheet metals and composite boards

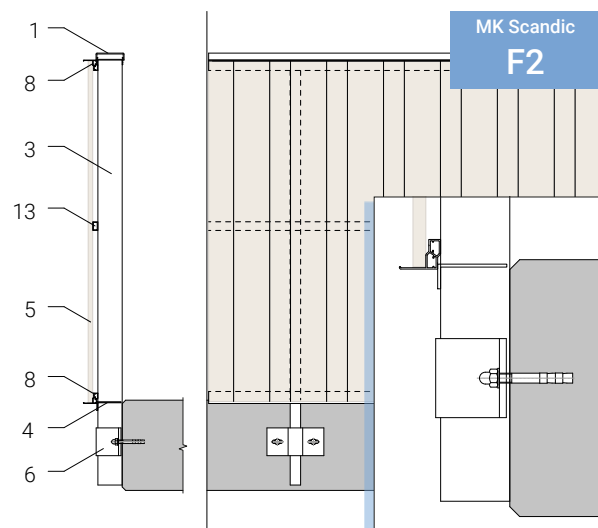
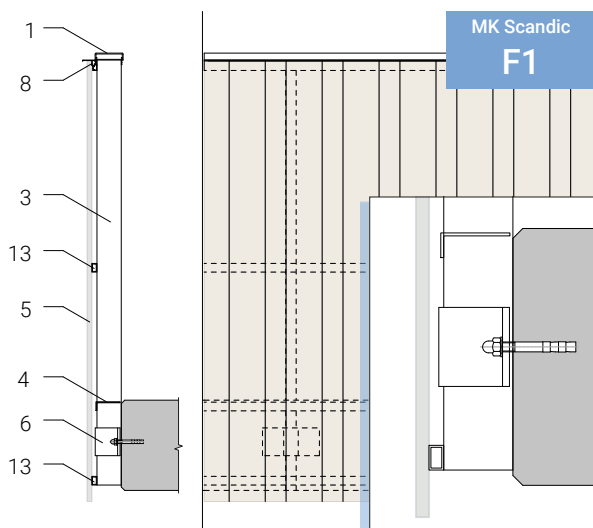
**System MK Scandic gives a lot of privacy to the balcony.**

**Corrugated metal sheets and composite board can be installed inside or outside of the pillars.**

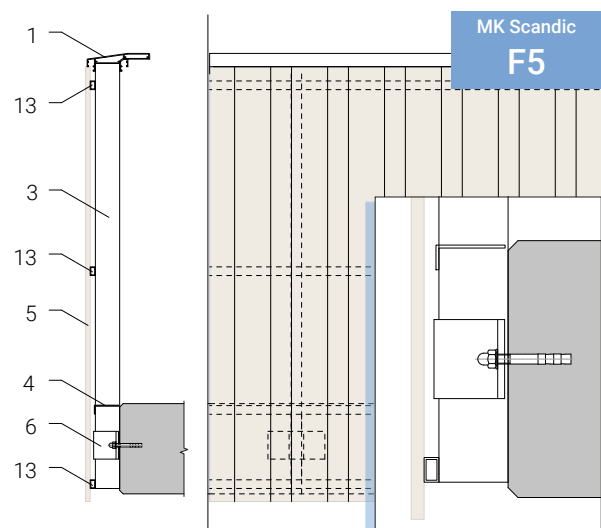
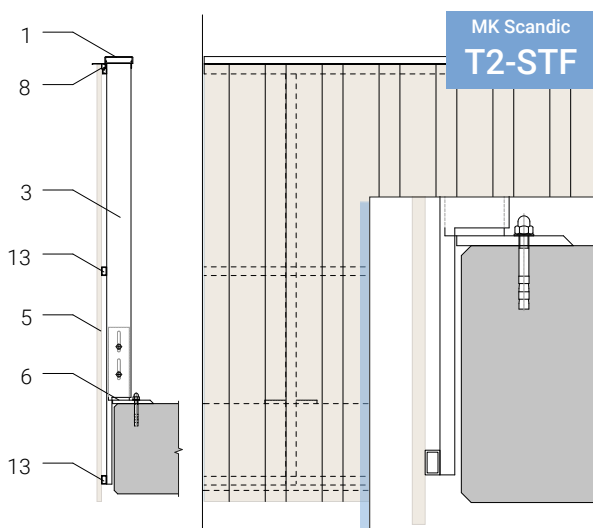
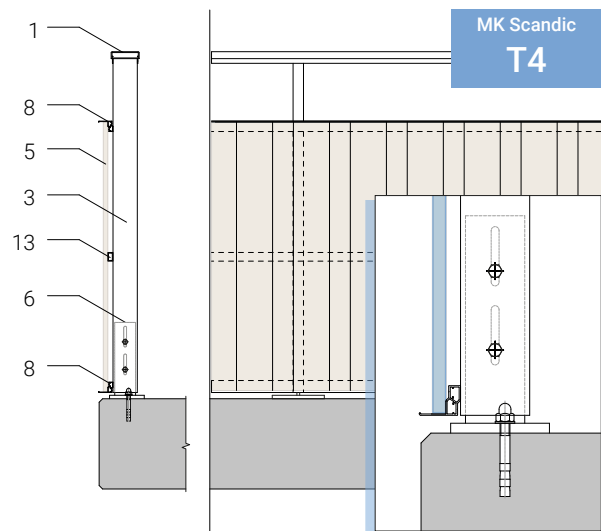
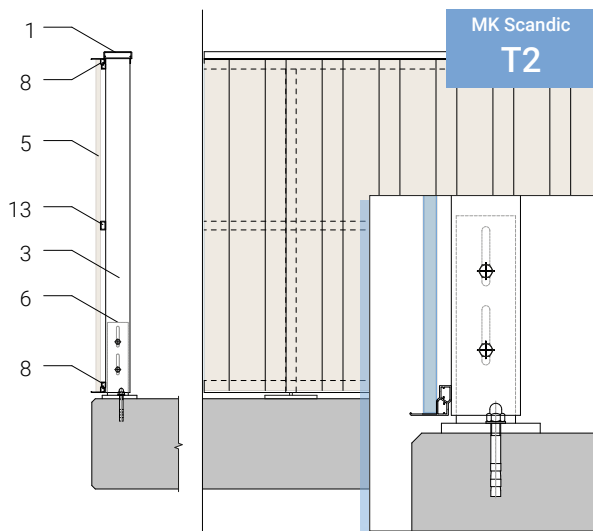
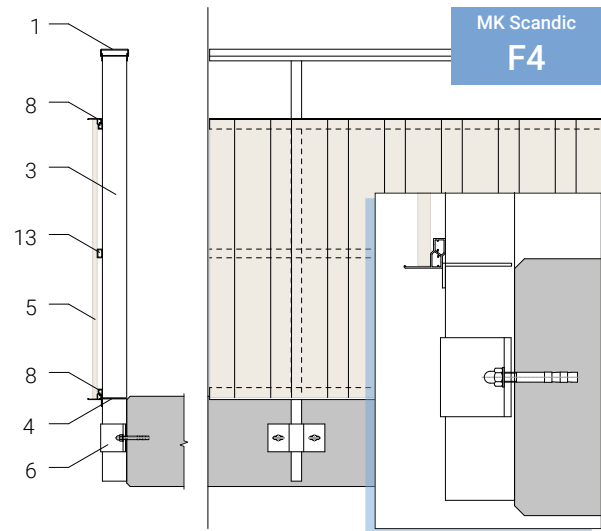
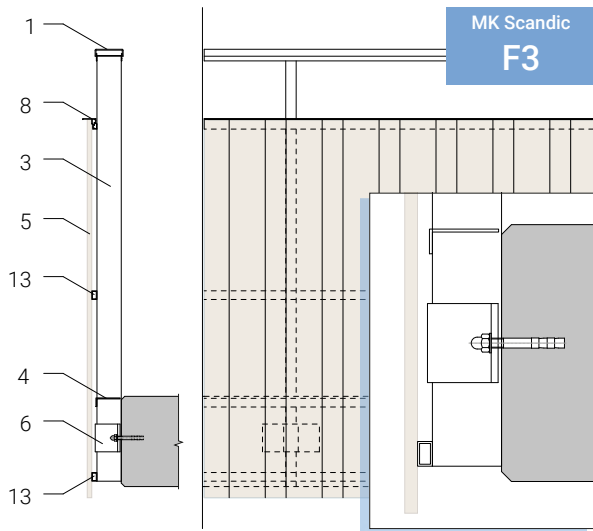


1	Handrail profile
3	Pillar
4	Gap profile
5	Filling*
6	Front fixing bracket
8	P-profile
13	Support profile

\* Various metal sheets and composite boards e.g. trapezoidal sheets, perforated sheets, Cembrit, Vivix etc.

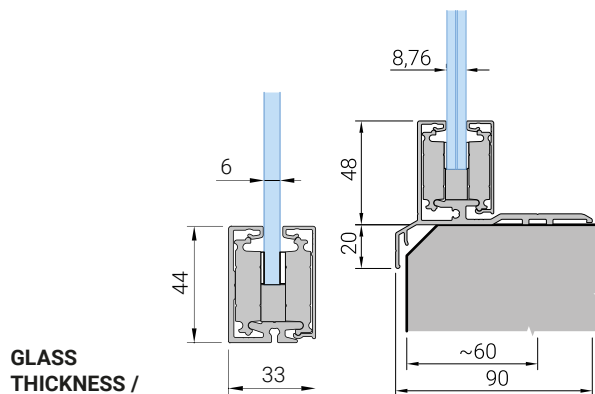






# MK Vision profiles and fixings

## Fixing profile

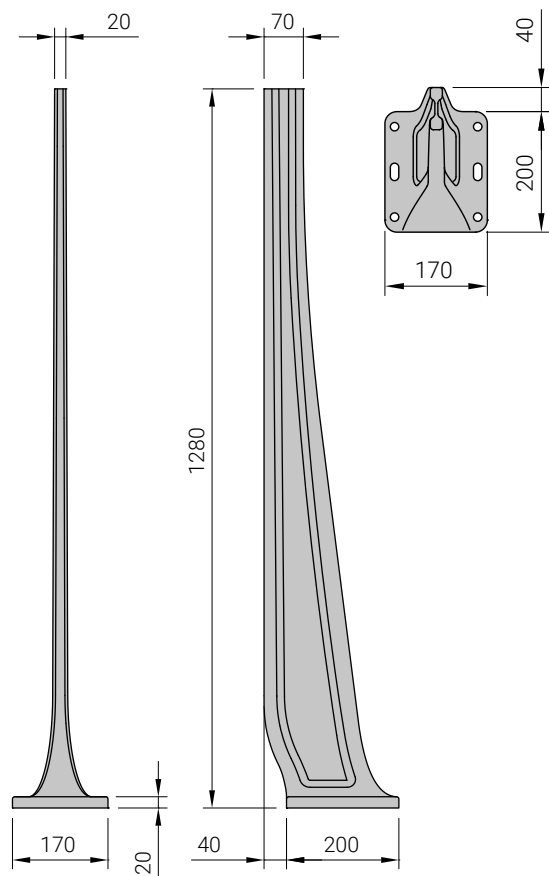


**GLASS  
THICKNESS /  
SHAPE**

<b>6</b>	PR40-128	PR40-141
<b>8</b>	PR40-129	PR40-142
<b>10</b>	PR40-131	PR40-144
<b>12</b>	PR40-133	PR40-146
<b>33.1</b>	PR40-128	PR40-141
<b>44.1</b>	PR40-129	PR40-142
<b>44.2</b>	PR40-130	PR40-143
<b>55.1</b>	PR40-131	PR40-144
<b>55.2</b>	PR40-132	PR40-145
<b>66.1</b>	PR40-133	PR40-146
<b>66.2</b>	PR40-134	PR40-147

## Pillar

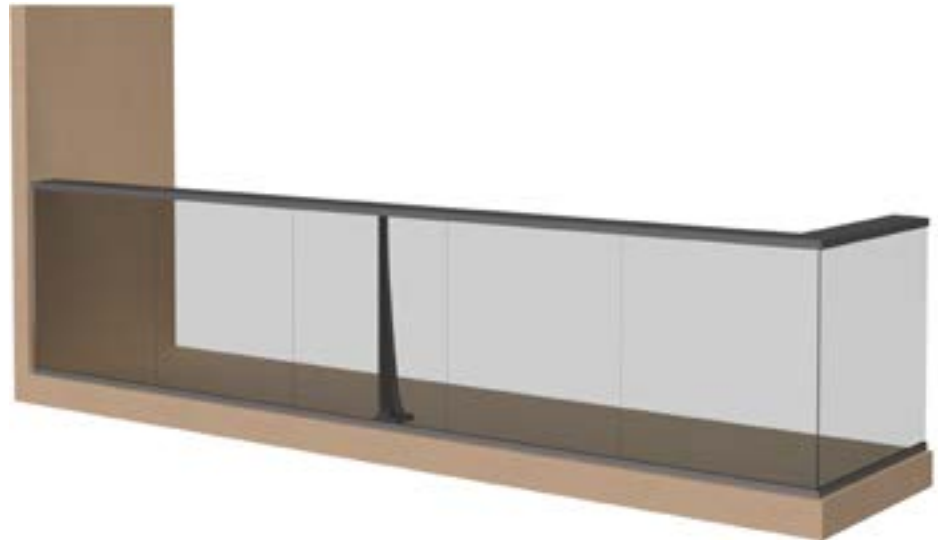
SK20-0047



**SURFACE TREATMENT**  
Powder coated

**COLOUR CHART**  
RAL

# MK Vision

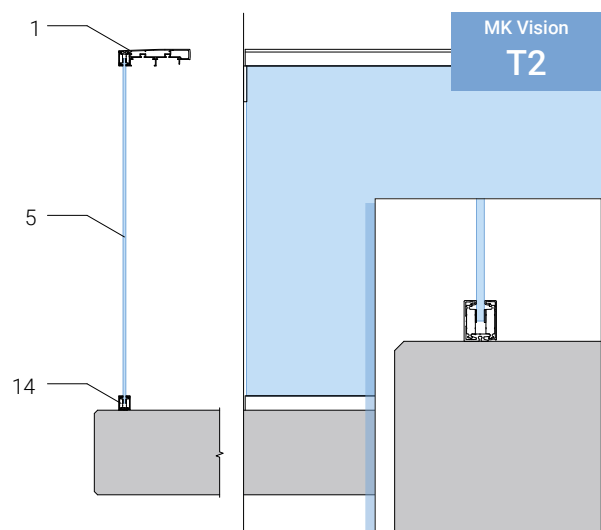
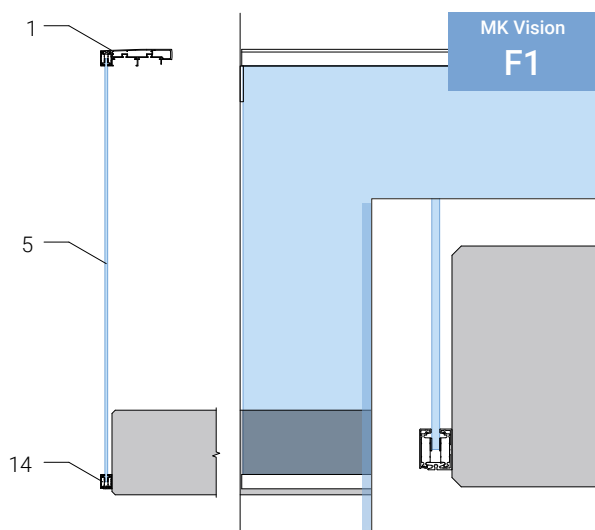


## Glass-aluminium railing

**System MK Vision makes it possible to install balcony glazing on top of a full glass railing with handrail.**

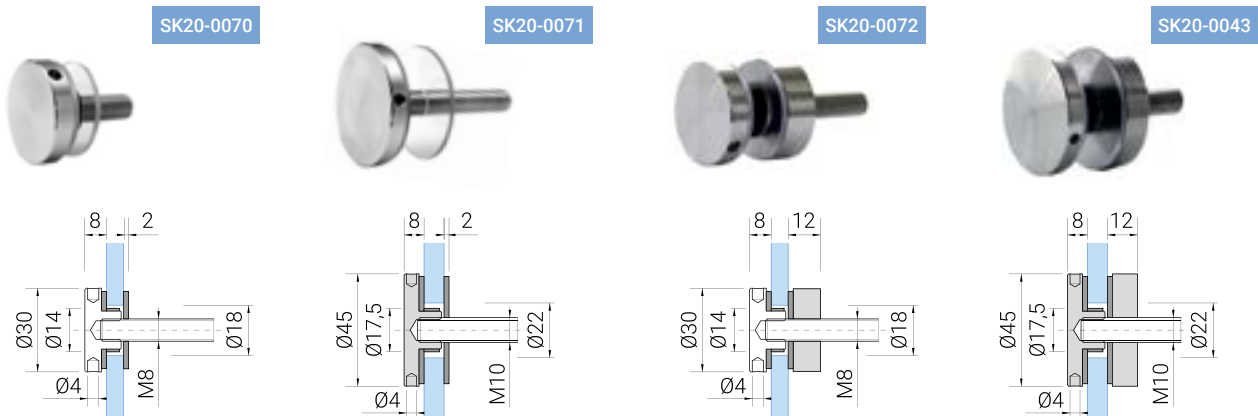
**Strenght calculations must be performed by qualified engineer.**

<b>1</b>	Handrail profile
<b>5</b>	Glass filling
<b>14</b>	Clamp profile



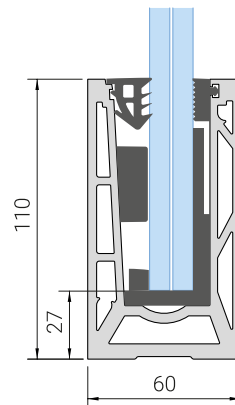
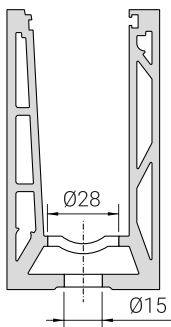
# System Edge & Aero fixings and profiles

## Point fixings

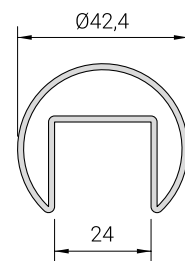


## Adjustable glass railing profiles

### GPR 1,5 K/N top fixed

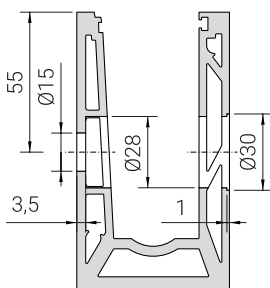


## Slot tube



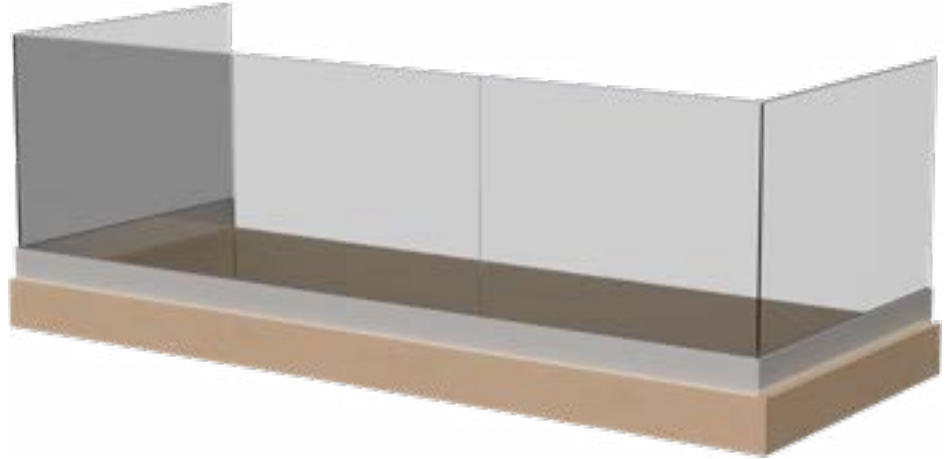
**SURFACE TREATMENT**  
Satin, brushed

### GPR 1,5 K/N front fixed





# System Edge



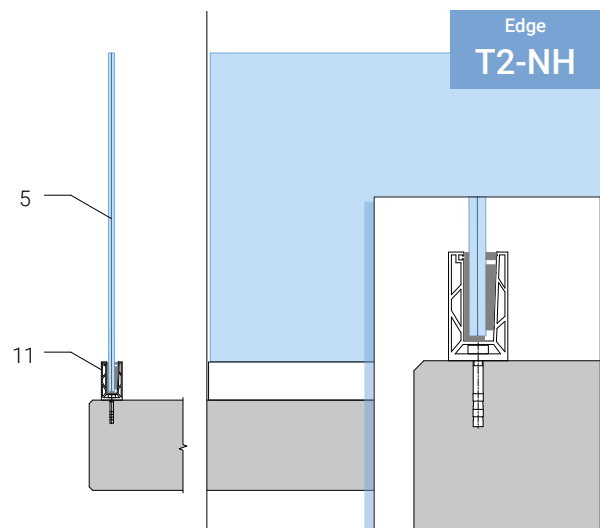
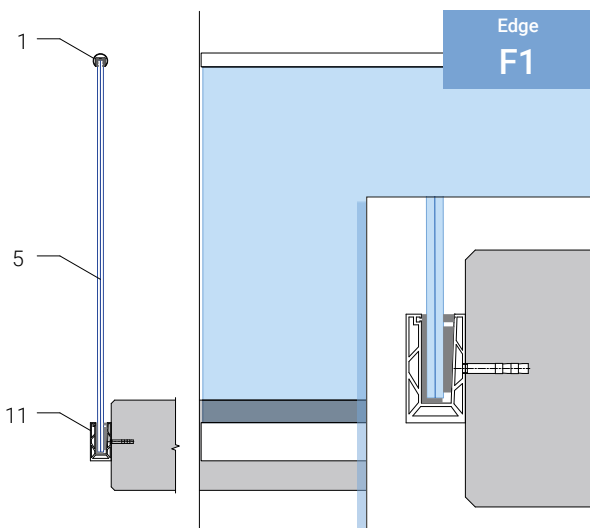
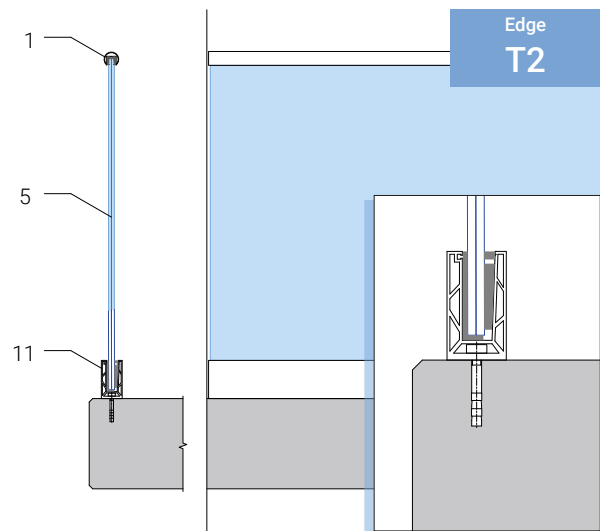
## Full glass railing with bottom profile

**System Edge has no pillars disturbing the view.**

**Glass is installed with bottom profile on top or to the side of the balcony plate.**

This system must be installed with a PR20-21 handrail when the railing is more than 600 mm high and more than 8 m wide.

<b>1</b>	Handrail profile
<b>5</b>	Glass filling
<b>11</b>	Fixing profile



# System Aero

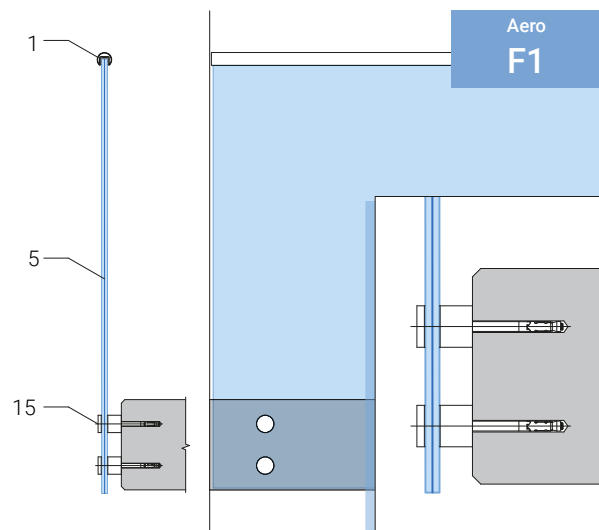


Full glass railing with point fixings

**System Aero has no pillars disturbing the view.**

**Glass is installed with stainless steel point fixings to the side of the balcony plate. Can be with or without handrail.**

<b>1</b>	Handrail profile
<b>5</b>	Safety glass
<b>15</b>	Point fixing

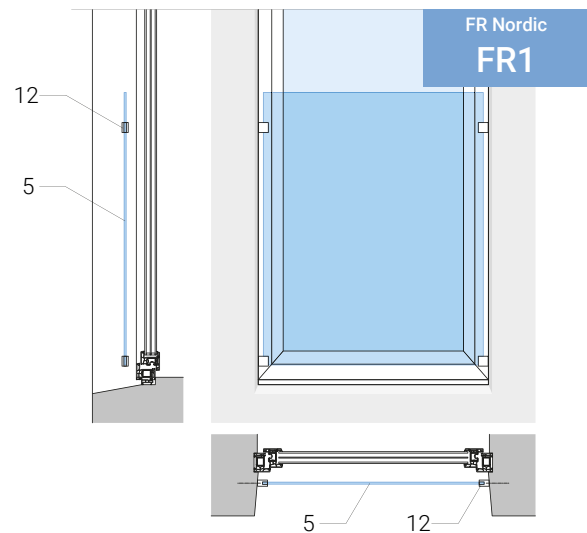


# French balconies

<b>1</b>	Handrail profile
<b>2</b>	Glass profile
<b>3</b>	Pillar
<b>5</b>	Glass filling
<b>8</b>	P-profile
<b>12</b>	Glass clamp
<b>14</b>	Clamp profile
<b>15</b>	Point-fixing

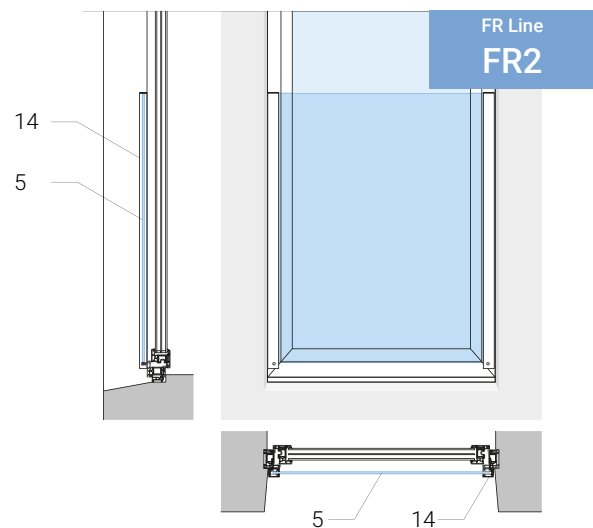
## FR Nordic

Glass is fixed with 4 stainless steel glass clamps.



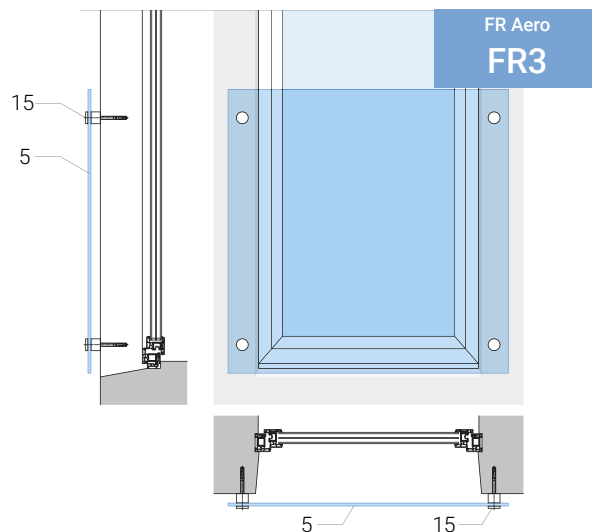
## FR Line

Glass is fixed with vertical clamp profile from both sides.



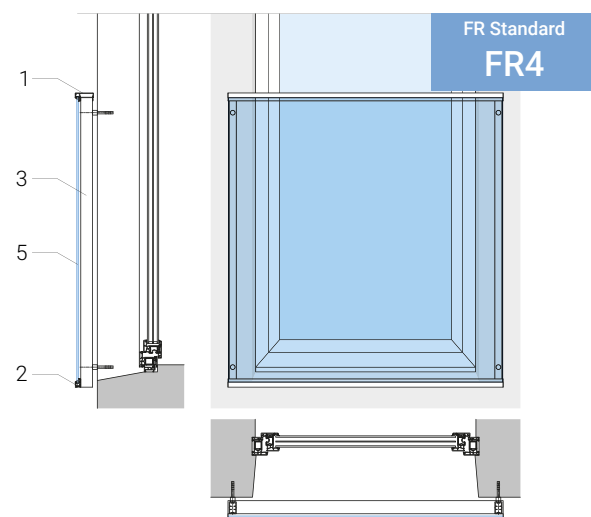
## FR Aero

Glass is fixed with 4 stainless steel point fixings.



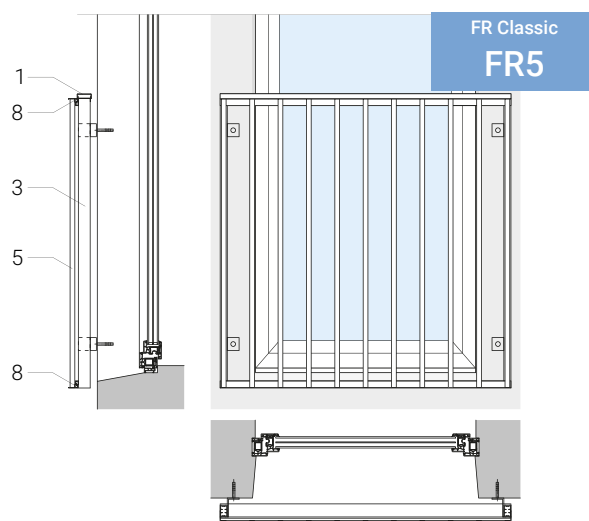
## FR Standard

Glass is fixed from top and bottom with glass profile. This type comes with a handrail. The railing is attached to the wall through pillars behind the glass.



## FR Classic

Rods are fixed to a profile from top and bottom. The railing is fixed to the wall with the L-profiles attached to the pillars on both sides.



# System components

## **TI20-0001**

Gasket (pre-glazing)



## **TI20-0002**

Gasket  
(after glazing  
6 mm glass)



## **TI20-0003**

Gasket  
(after glazing  
44.1 glass)



## **TI20-0004**

Gasket  
(after glazing  
44.2 glass)



## **SK20-0001**

KP1-50 plastic end  
gap



## **SK20-0002**

KP1-70 plastic end  
gap



## **SK20-0003**

KP2-50 plastic end  
gap



## **SK20-0004**

KP2-70 plastic end  
gap



## **SK20-0005**

Glass profile  
plastic end gap



## **SK20-0006**

Pillar KLM 50  
plastic end gap



## **SK20-0007**

Pillar KLM 70  
plastic end gap



## **SK20-0008**

P-profile plastic end  
gap right side



## **SK20-0009**

P-profile plastic end  
gap left side



## **SK40-0024**

End gap for rods



## **SK20-0034**

Glass supporter



This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.







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