



**MALMERK
KLAASIUM**

Balcony Railings

PRODUCT CATALOGUE



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 guarantees a well-functioning custom, secure and long-lasting solutions.

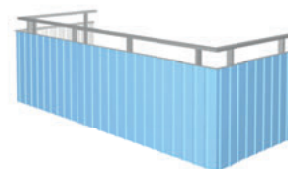
**System
MK Standard FF**

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**System
MK Scandic**

16



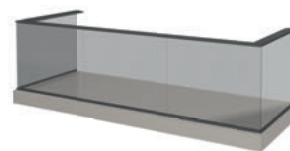
**System
MK Standard TF**

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**System
MK Vision**

18



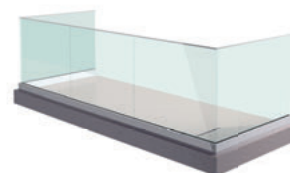
**System
MK Standard DEC**

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**System
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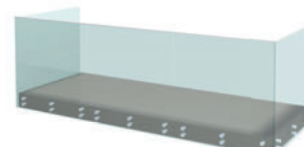
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General information

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, colors, 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.

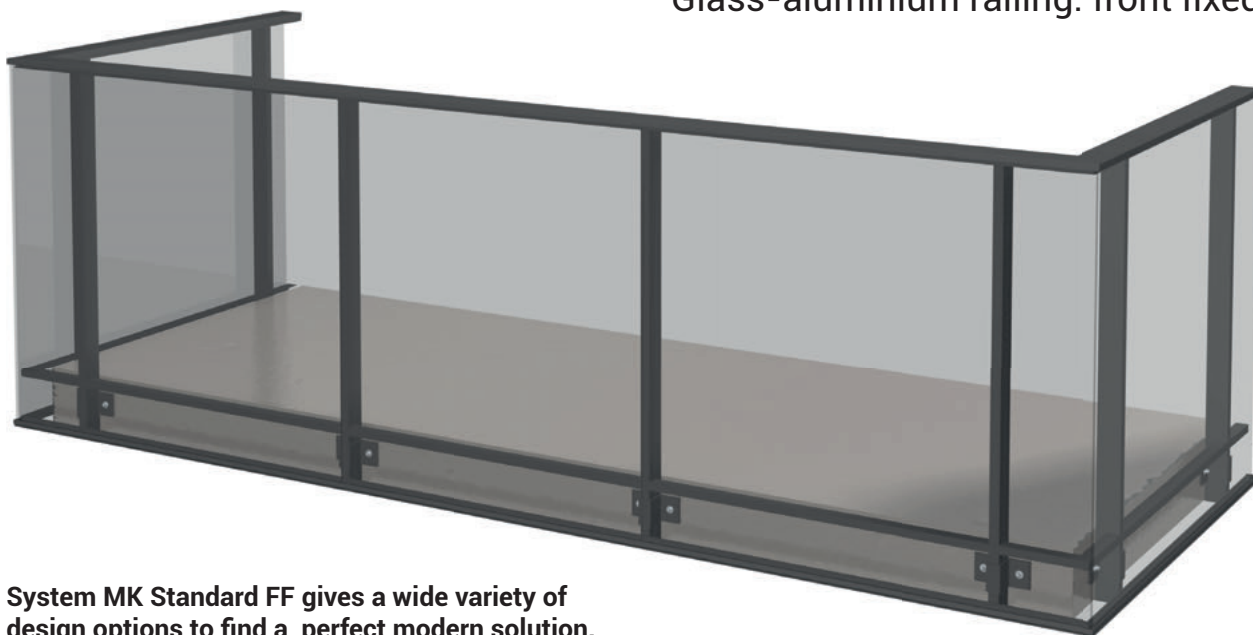
Railing modules are premade and delivered ready assembled, ready for installation on site.

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).

System 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.

SURFACE TREATMENT

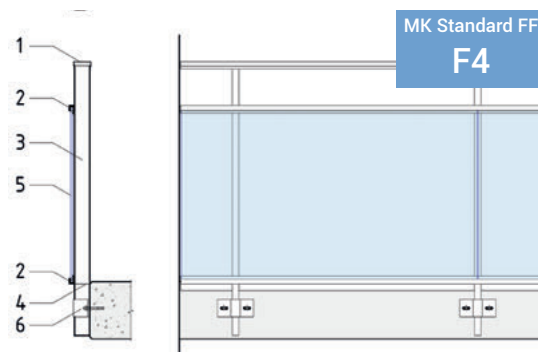
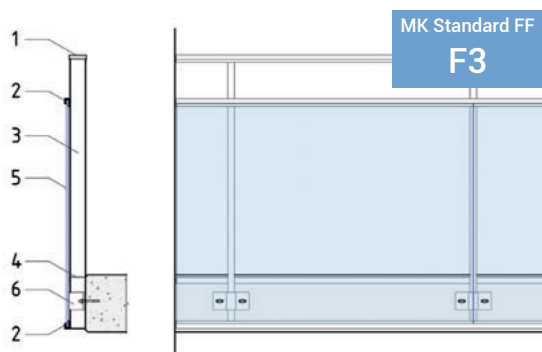
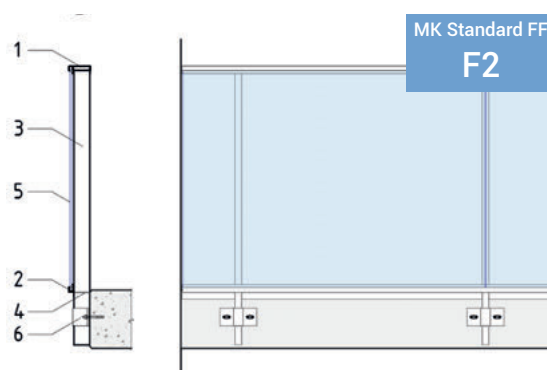
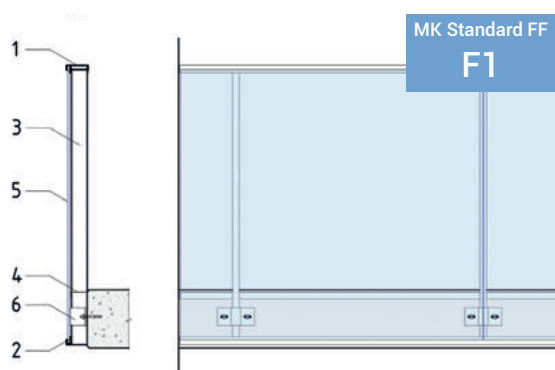
Powder coated

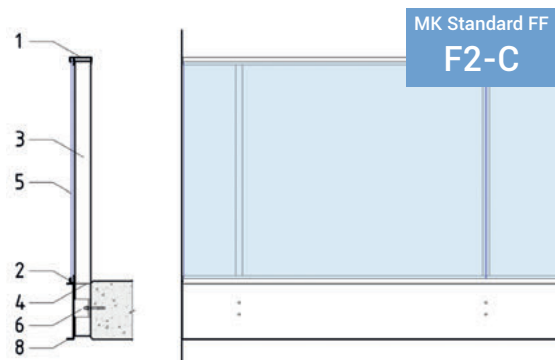
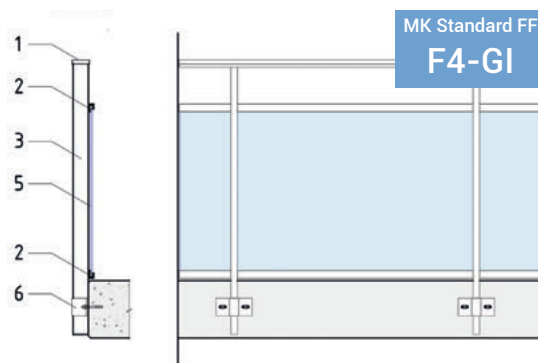
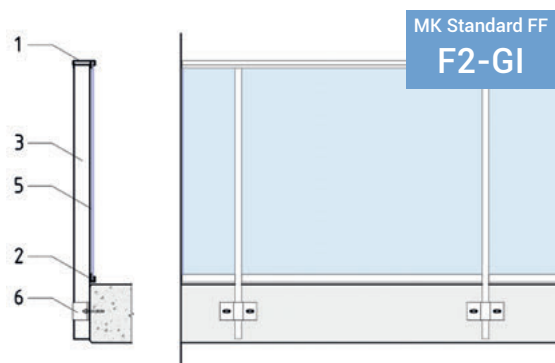
COLOUR CHART

RAL

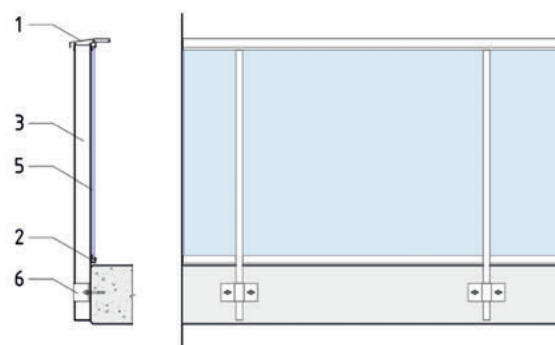
| | | |
|---|------------------|------------------------|
| 1 | Handrail profile | KP1-70; KP2-70; KP3-70 |
| 2 | Glass profile* | 24x35 |
| 3 | Pillar | 70x30 mm |
| 4 | Gap profile | 70x25x3 |
| 5 | Filler | Safety glass |
| 6 | Fixing profile | Front fixing bracket |
| 7 | C-profile | Custom size |

* including rubber gasket (black) and glass support bricks





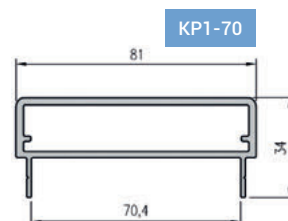
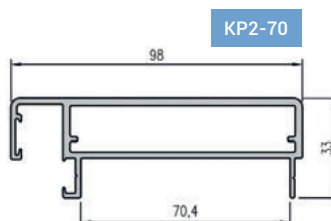
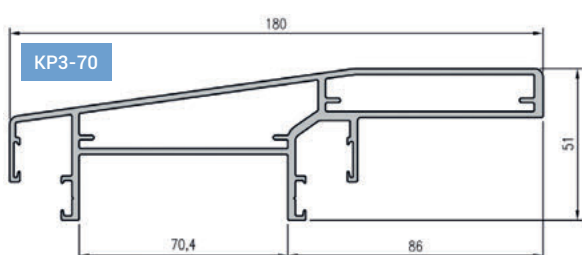
Unique handrail KP3-70



Handrail **KP3-70** can be used for extra strength and for inward mounted balcony glazing system. Can be used for all of the design options.

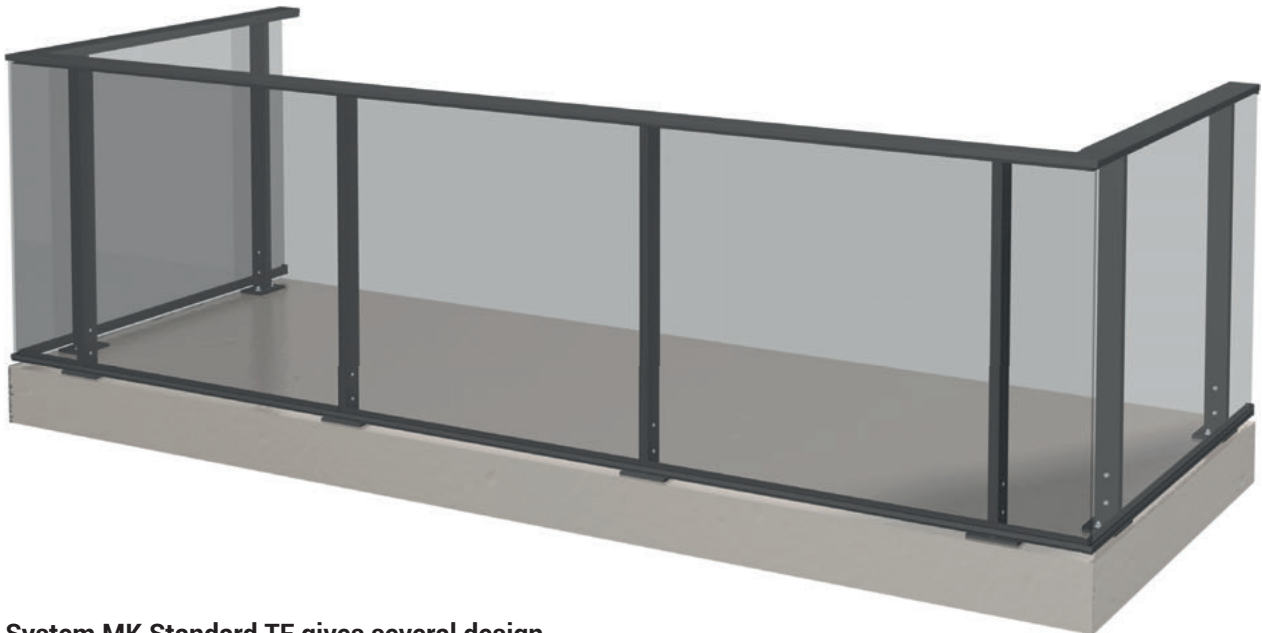
Handrail add-on features available. See handrail add-on design options on page 21.

Glass is the most popular filling for this system. Though, the construction allows also to use other fillings instead of glass such as high pressure laminate e.g. Formica or fibre cement sheets e.g. Cembrit.



System 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 vertical profiles.

SURFACE TREATMENT

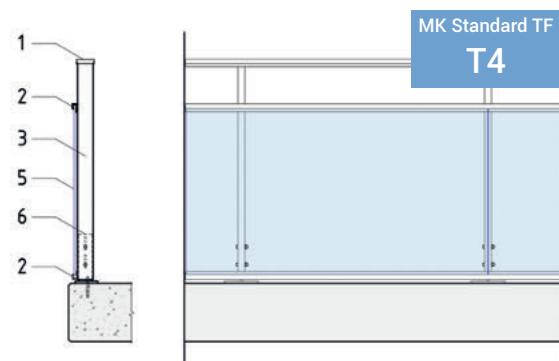
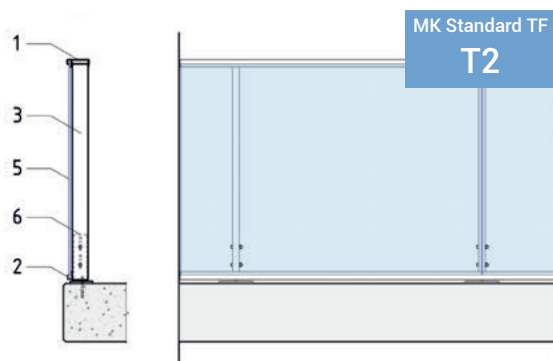
Powder coated

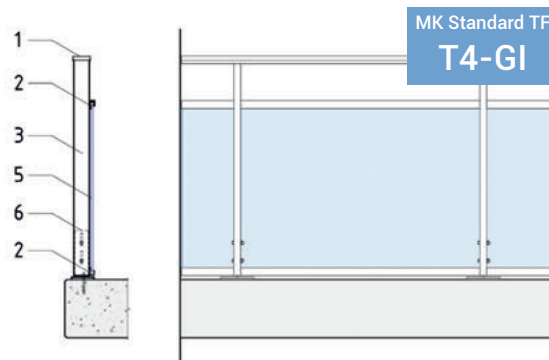
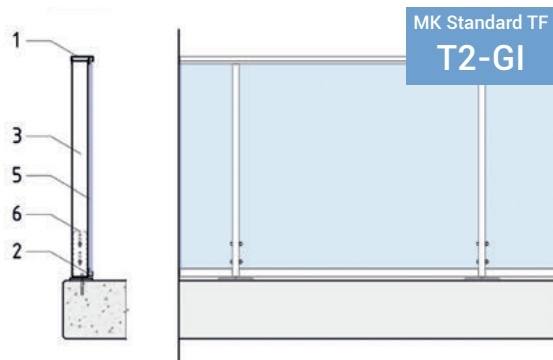
COLOUR CHART

RAL

| | | |
|---|------------------|--------------------------|
| 1 | Handrail profile | KP1-70; KP2-70; KP3-70 |
| 2 | Glass profile* | 24 x 35 |
| 3 | Pillar | 70 x 30 mm |
| 5 | Filler | Safety glass |
| 6 | Fixing profile | Steel top fixing bracket |

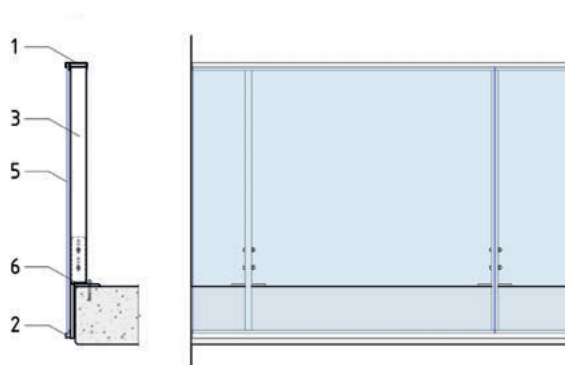
* including rubber gasket (black) and glass support bricks





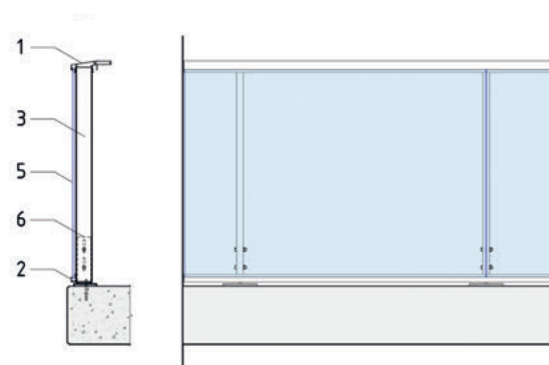
SPECIAL DESIGNS

Top fixing bracket STF



A top fixing bracket **STF** allows to install glass in-front of the balcony slab. This bracket can be used for design types T2 and T4.

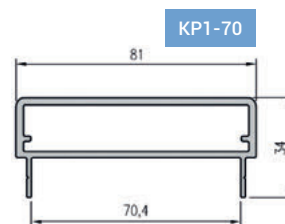
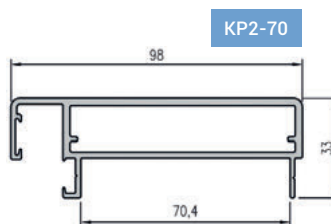
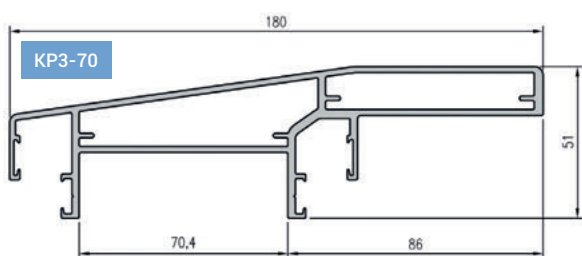
Unique handrail KP3-70



Handrail KP3-70 can be used for extra strength and for inward mounted balcony glazing system. Can be used for all of the design options.

Handrail add-on features available. See handrail add-on design options on page 21.

Glass is the most popular filling for this system. Though, the construction allows also to use other fillings instead of glass such as high pressure laminate e.g. Formica or fibre cement sheets e.g. Cembrit.



System MK Standard DEC

Glass-aluminium railing with horizontal decorative profiles



System MK Standard DEC is further development of system KLM Standard FF and TF.

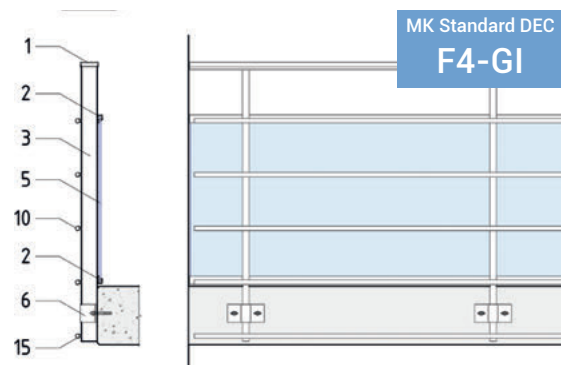
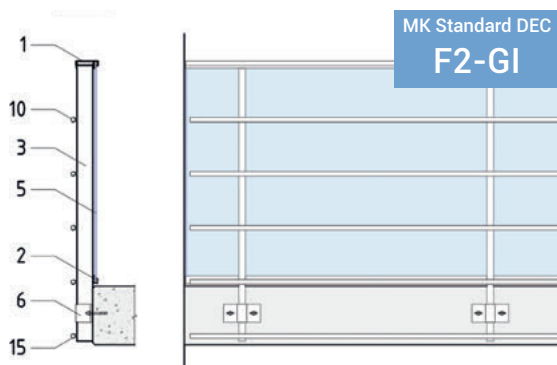
Glass or other fillings are installed inside of the pillars without vertical profiles and horizontal decorative profiles installed outside of the pillars.

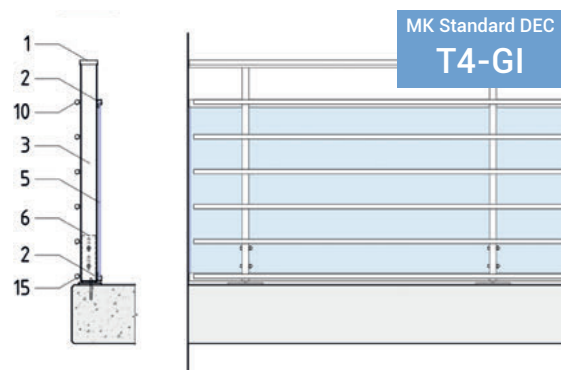
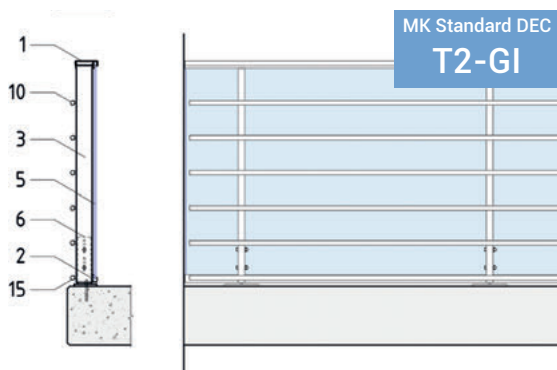
SURFACE TREATMENT
Powder coated

COLOUR CHART
RAL

| | | |
|----|---------------------------|--------------------------|
| 1 | Handrail profile | KP1-70; KP2-70; KP3-70 |
| 2 | Glass profile * | 24x35 |
| 3 | Pillar | 70x30 mm |
| 5 | Filler | Safety glass |
| 6 | Fixing profile | Front or top fix bracket |
| 10 | Decorative profile | Ø20 |
| 15 | Decorative profile holder | Ø20 tube holder |

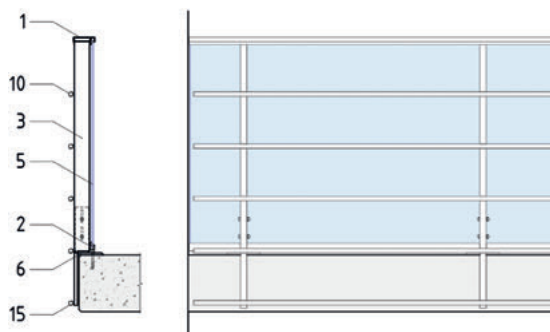
* including rubber gasket (black) and glass support bricks





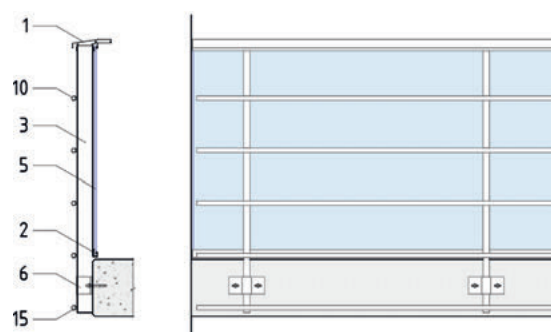
SPECIAL DESIGNS

Top fixing bracket STF



A top fixing bracket **STF** allows to install glass in-front of the balcony slab. This bracket can be used for design types T2-GI and T4-GI.

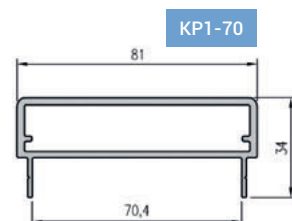
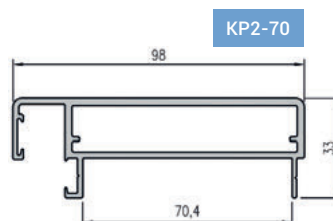
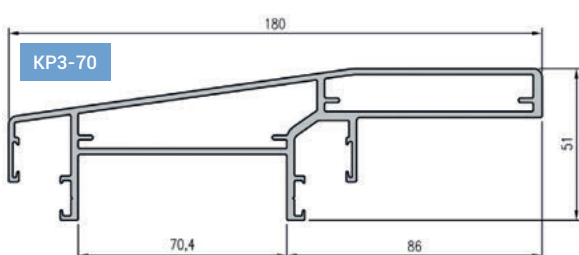
Unique handrail KP3-70



Handrail KP3-70 can be used for extra strength and for inward mounted balcony glazing system. Can be used for all of the design options.

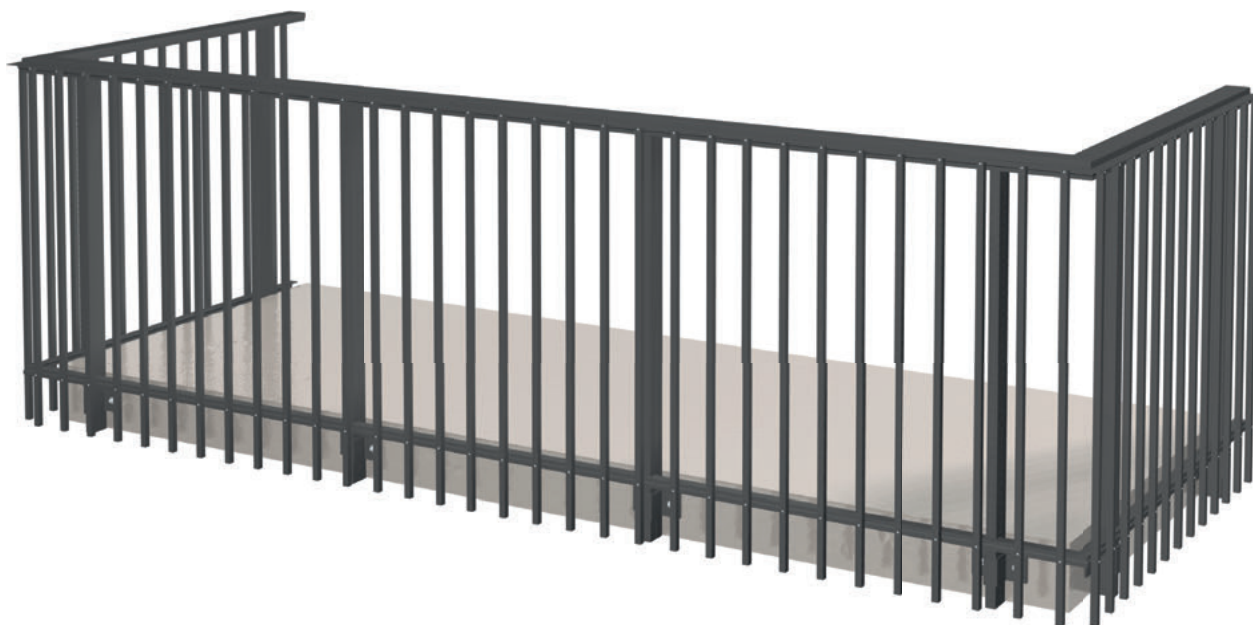
Handrail add-on features available. See handrail add-on design options on page 21.

Glass is the most popular filling for this system. Though, the construction allows also to use other fillings instead of glass such as high pressure laminate e.g. Formica or fibre cement sheets e.g. Cembrit.



System MK Classic FF

Aluminium rod railing: front fixed



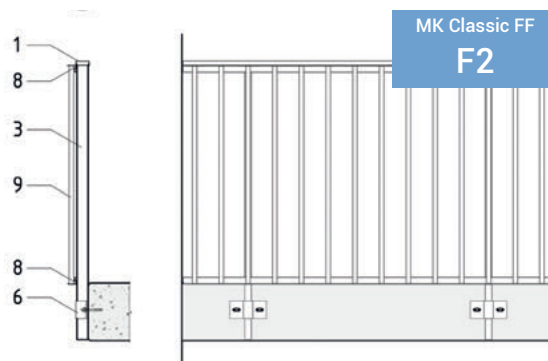
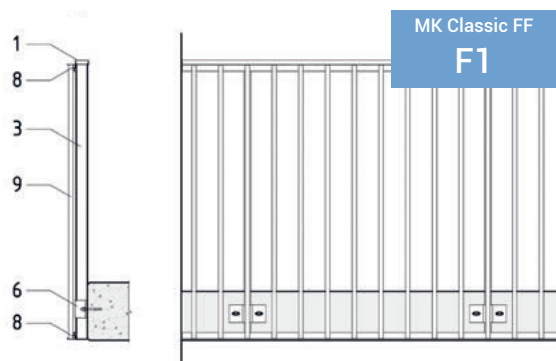
System MK Classic FF is a light weight solution making it easy to work with.

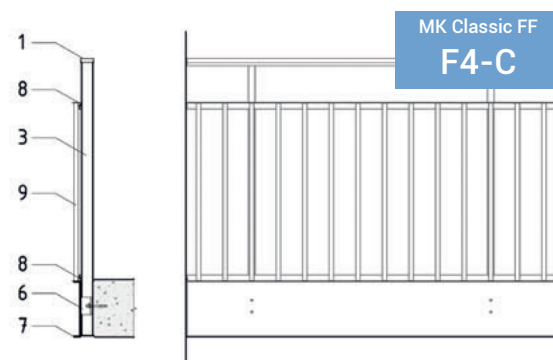
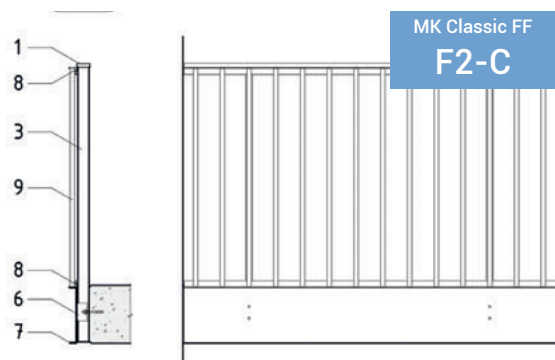
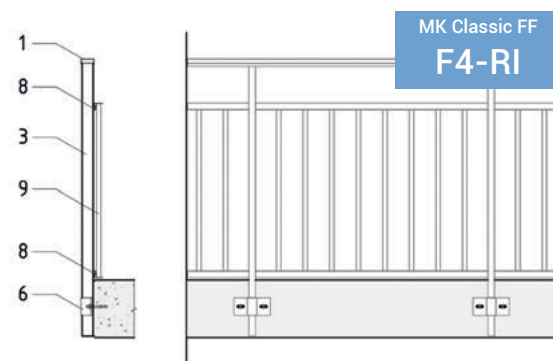
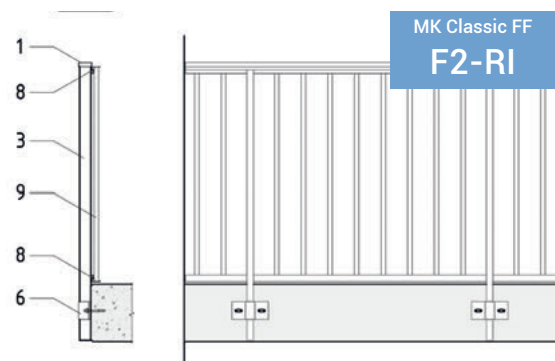
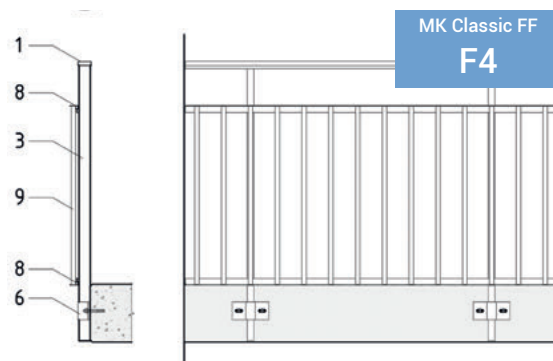
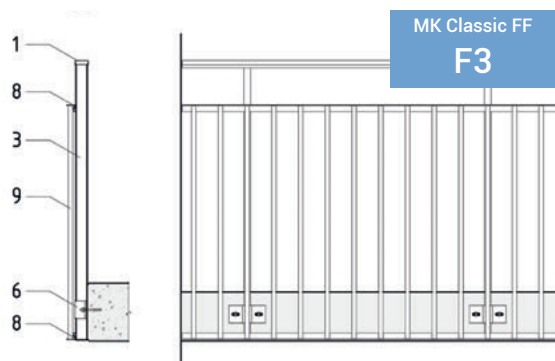
Rods are installed inside or outside of the pillars.

SURFACE TREATMENT
Powder coated

COLOUR CHART
RAL

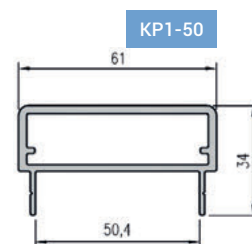
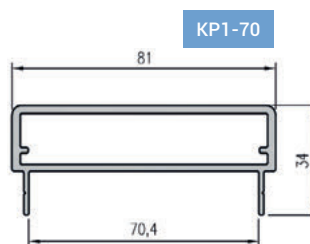
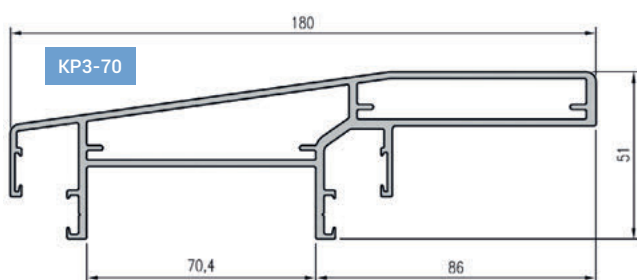
| | | |
|---|------------------|----------------------|
| 1 | Handrail profile | KP1-70; KP1-50 |
| 3 | Pillar | 50x30 mm or 70x30 mm |
| 6 | Fixing profile | Front fixing bracket |
| 7 | C-profile | Custom size |
| 8 | P-profile | 42x30 |
| 9 | Rods | 20x20 |





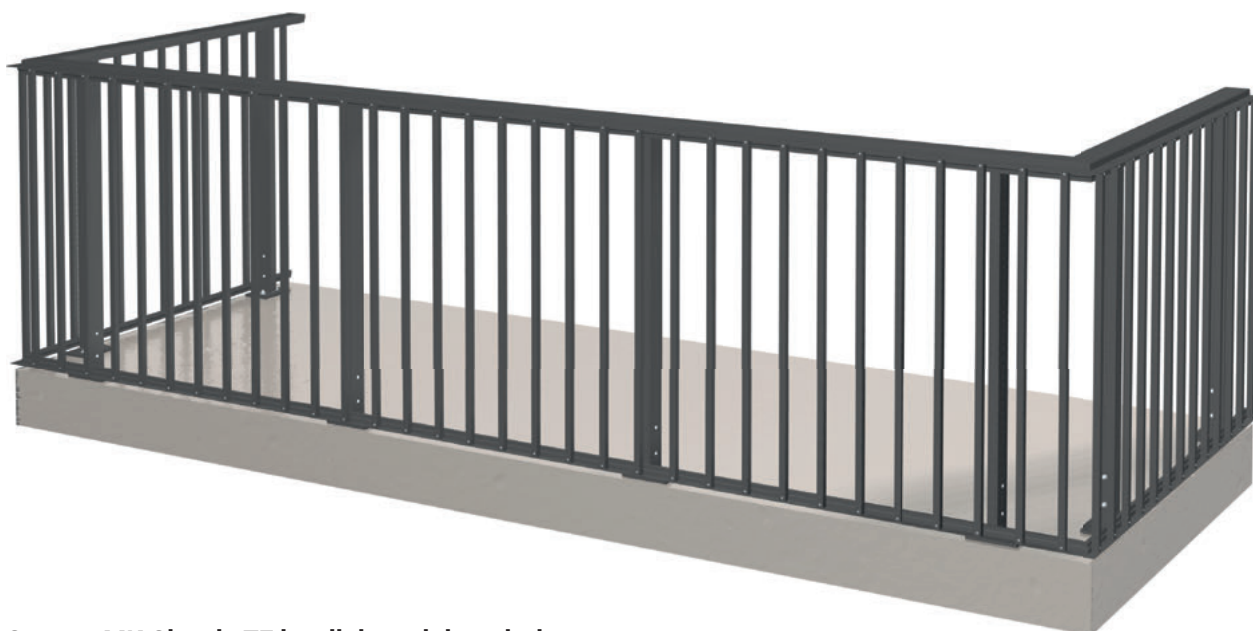
Handrail **KP3-70** can be used for extra strength and for inward mounted balcony glazing system. Can be used for all of the design options with 70x30 pillar size.

Handrail add-on features available. See handrail add-on design options on page 21.



System MK Classic TF

Aluminium rod railing: top fixed



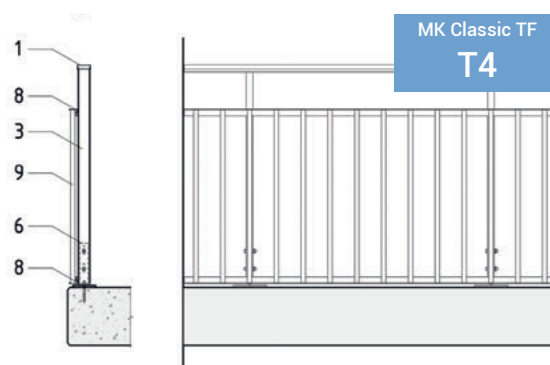
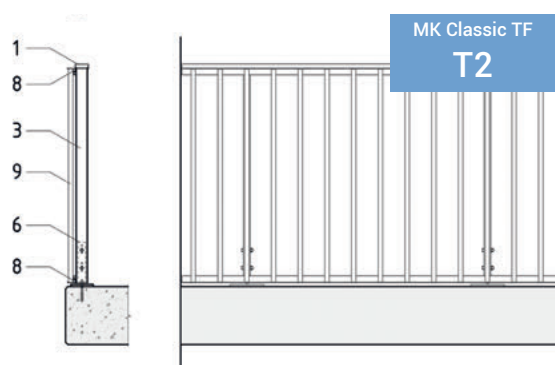
System MK Classic TF is a light weight solution making it easy to work with.

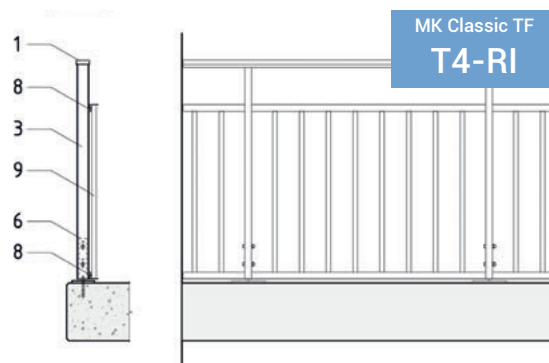
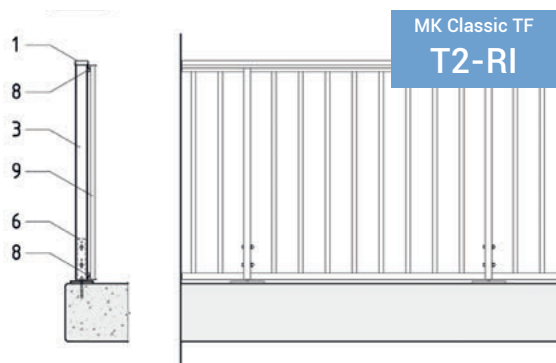
Rods are installed inside or outside of the pillars.

SURFACE TREATMENT
Powder coated

COLOUR CHART
RAL

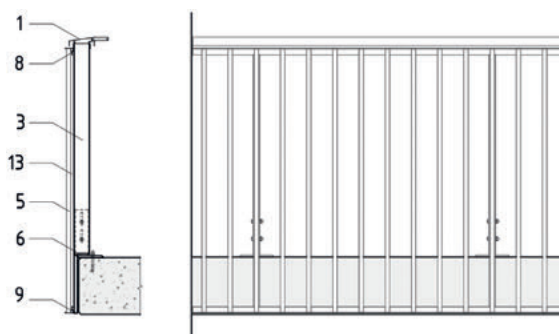
| | | |
|---|------------------|------------------------|
| 1 | Handrail profile | KP1-70; KP1-50; KP3-70 |
| 3 | Pillar | 50x30 mm or 70x30 mm |
| 6 | Fixing profile | Top fixing bracket |
| 8 | P-profile | 42x30 |
| 9 | Rods | 20x20 |





SPECIAL DESIGNS

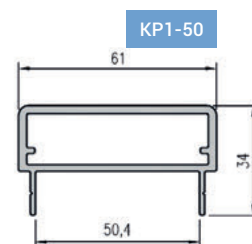
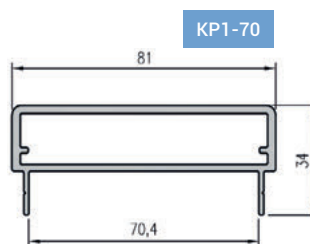
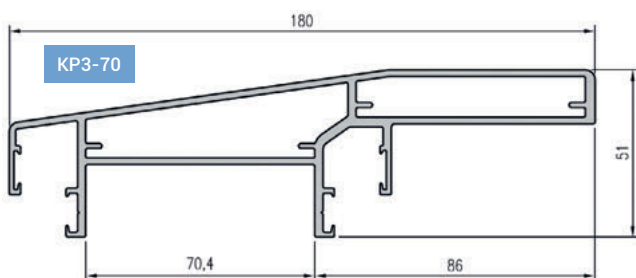
Top fixing bracket **STF** and handrail **KP3-70**:



A top fixing bracket **STF** allows to install rods in front of the balcony slab. This bracket can be used for design types T2 and T4.

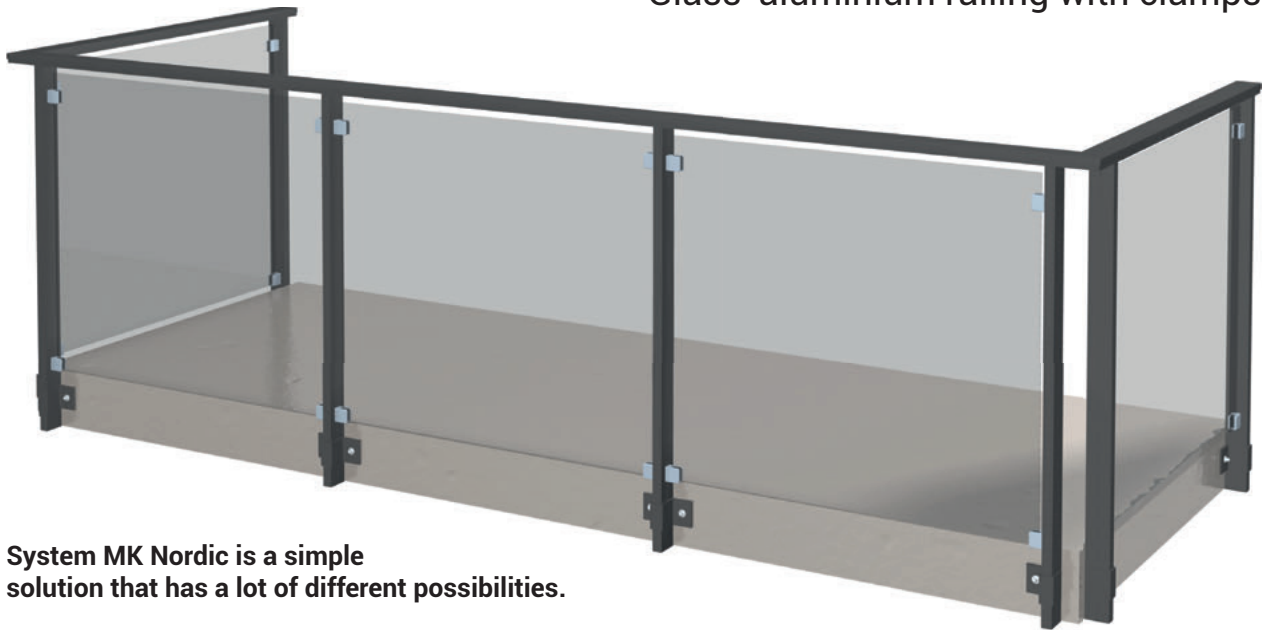
Handrail **KP3-70** can be used for extra strength and for inward mounted balcony glazing system. Can be used for all of the design options with 70x30 pillar size.

Handrail add-on features available. See handrail add-on design options on page 21.



System 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.

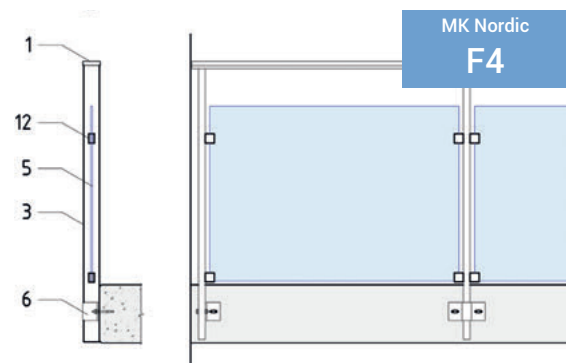
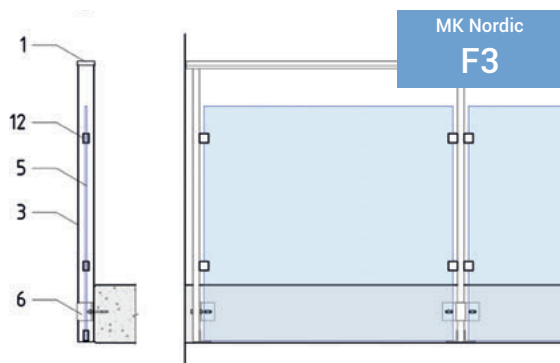
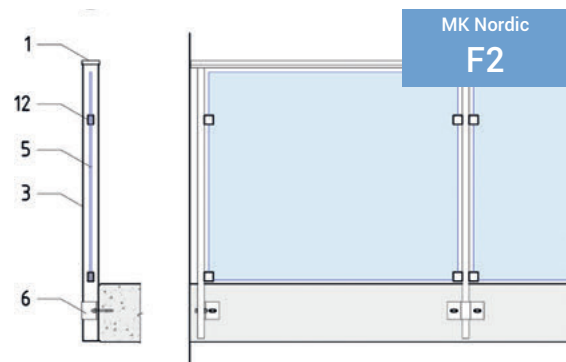
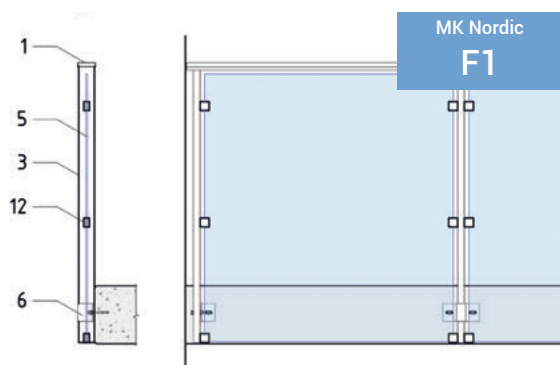
SURFACE TREATMENT

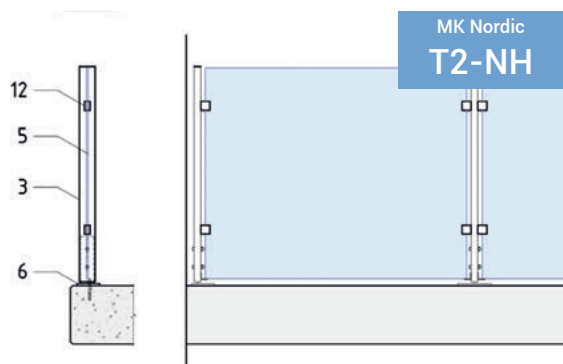
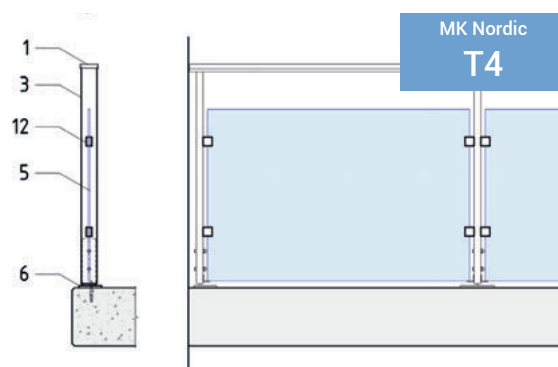
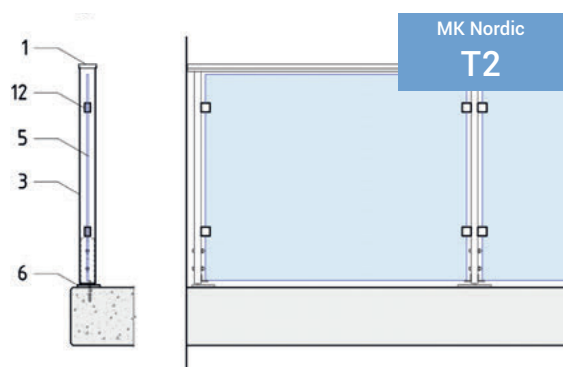
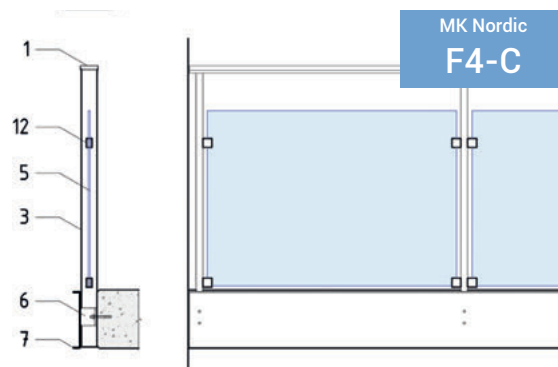
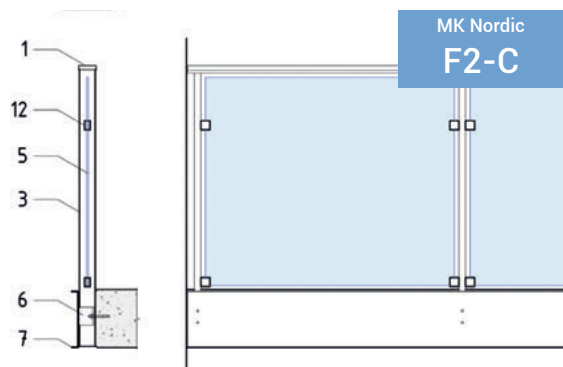
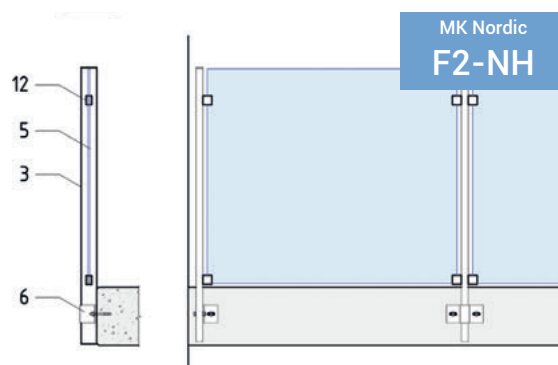
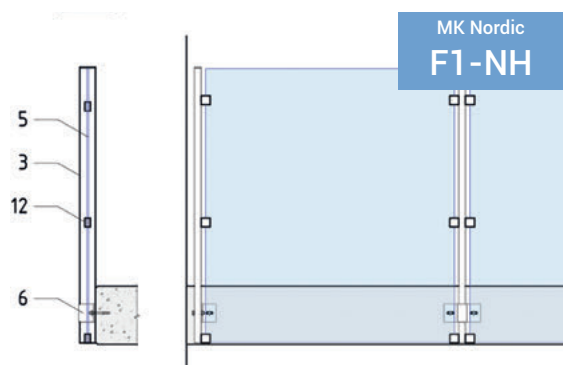
Powder coated

COLOUR CHART

RAL

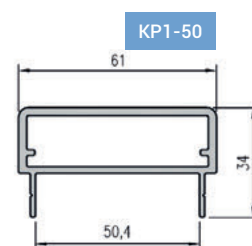
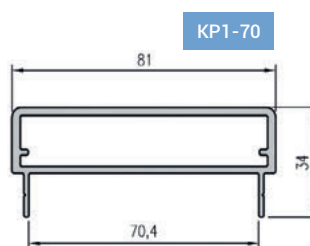
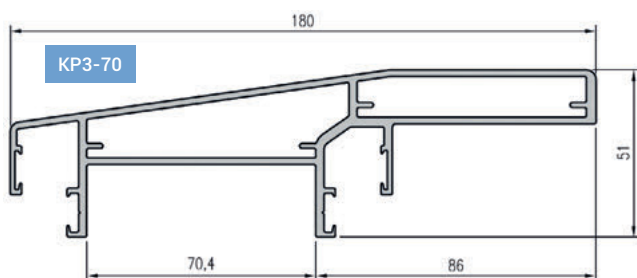
| | | |
|----|------------------|-----------------------------|
| 1 | Handrail profile | KP1-70; KP1-50; KP3-70 |
| 3 | Pillar | 50x30 mm or 70x30 mm |
| 5 | Filler | Safety glass |
| 6 | Fixing profile | Front or top fixing bracket |
| 7 | C-profile | Custom size |
| 12 | Glass clamp | 45x45 stainless steel |





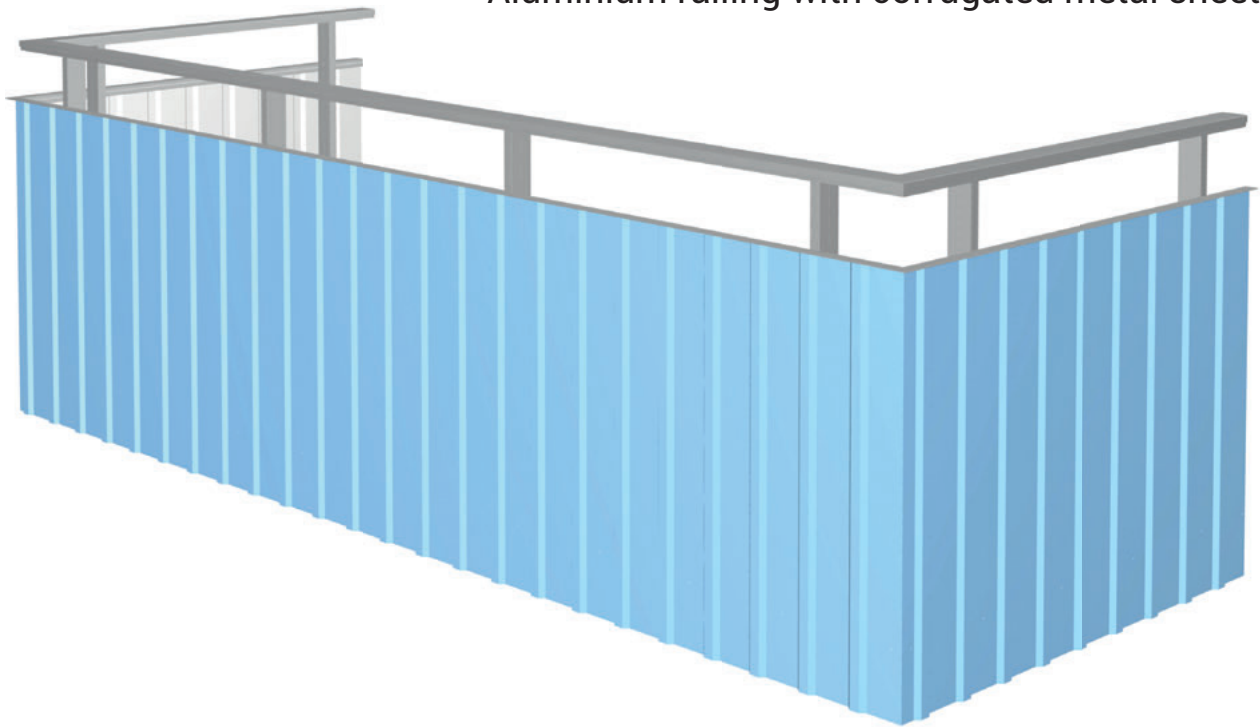
Handrail add-on features available. See handrail add-on design options on page 21.

Handrail **KP3-70** can be used for extra strength and for inward mounted balcony glazing system. Can be used for all of the design options with 70x30 pillar size.



System MK Scandic

Aluminium railing with corrugated metal sheet



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

Corrugated metal sheet is installed inside or outside of the pillars.

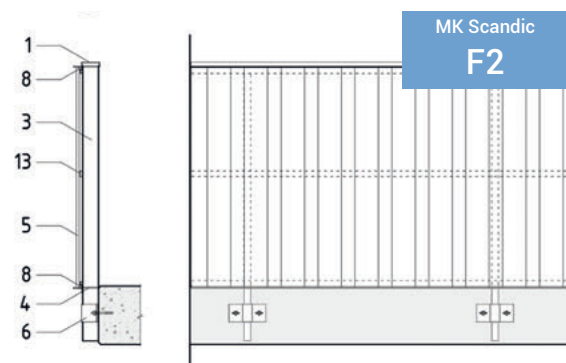
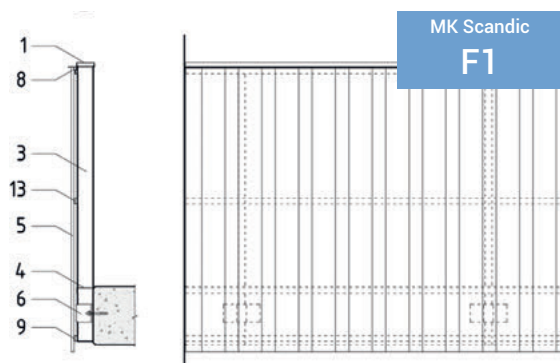
SURFACE TREATMENT

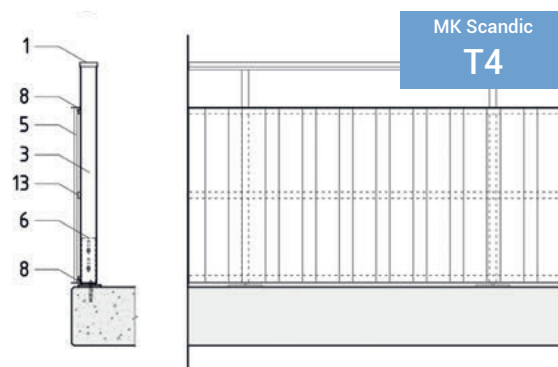
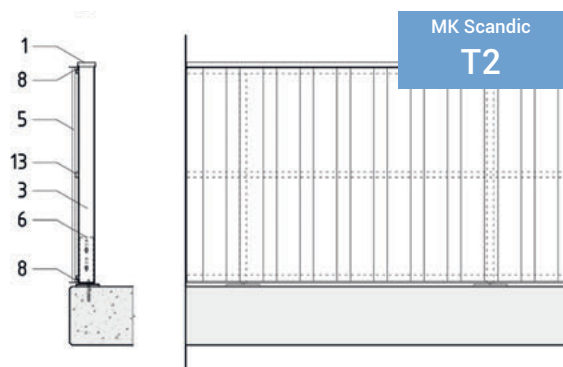
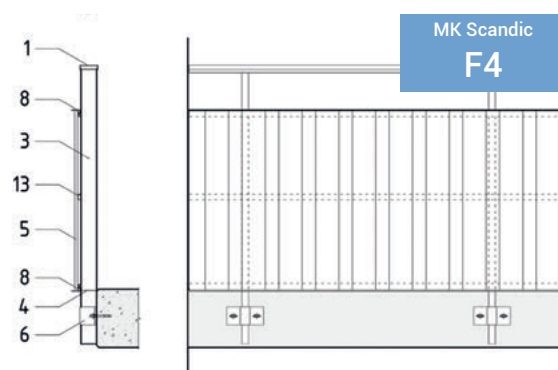
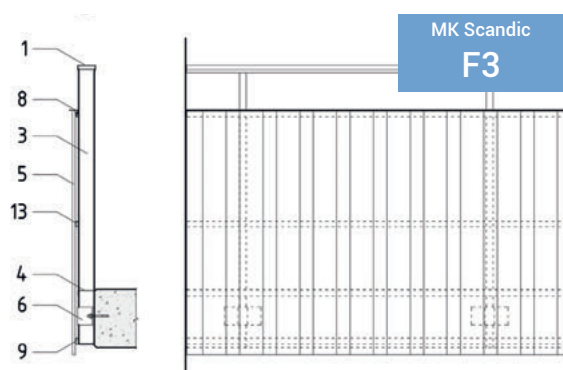
Powder coated

COLOUR CHART

RAL

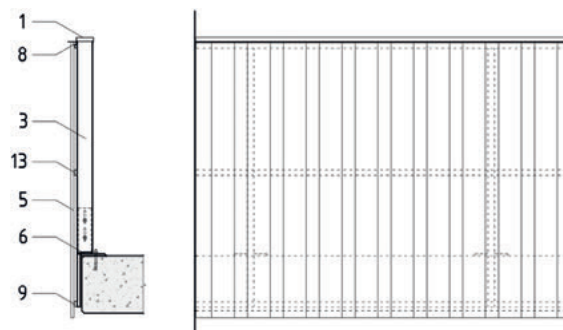
| | | |
|----|------------------|----------------------|
| 1 | Handrail profile | KP1-70; KP3-70 |
| 3 | Pillar | 70x30 mm |
| 4 | Gap profile | 70x25x3 |
| 5 | Filler | Metal sheet |
| 6 | Fixing profile | Front fixing bracket |
| 8 | P-profile | 42x30 |
| 9 | Support | 20x20 |
| 13 | Support | 25x15 |





SPECIAL DESIGNS

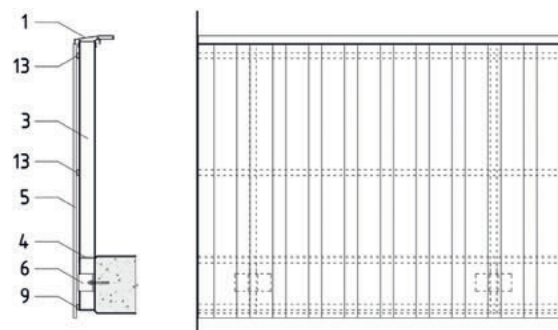
Top fixing bracket STF



A top fixing bracket **STF** allows to install the corrugated metal sheet in front of the balcony slab. This bracket can be used for design types T2 and T4.

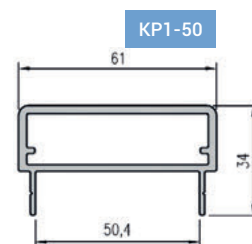
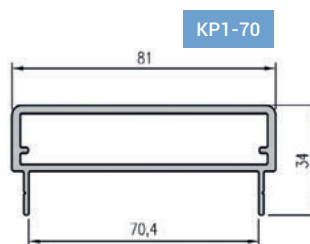
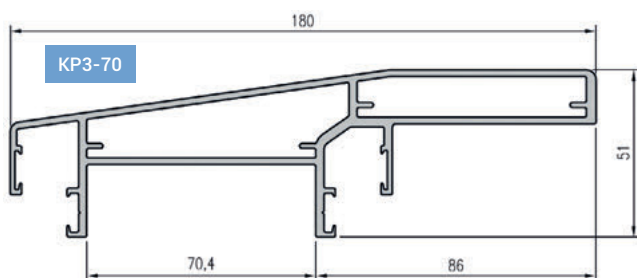
Different types of load bearing sheets can be used e.g. trapezoidal sheets, perforated sheets etc.

Unique handrail KP3-70



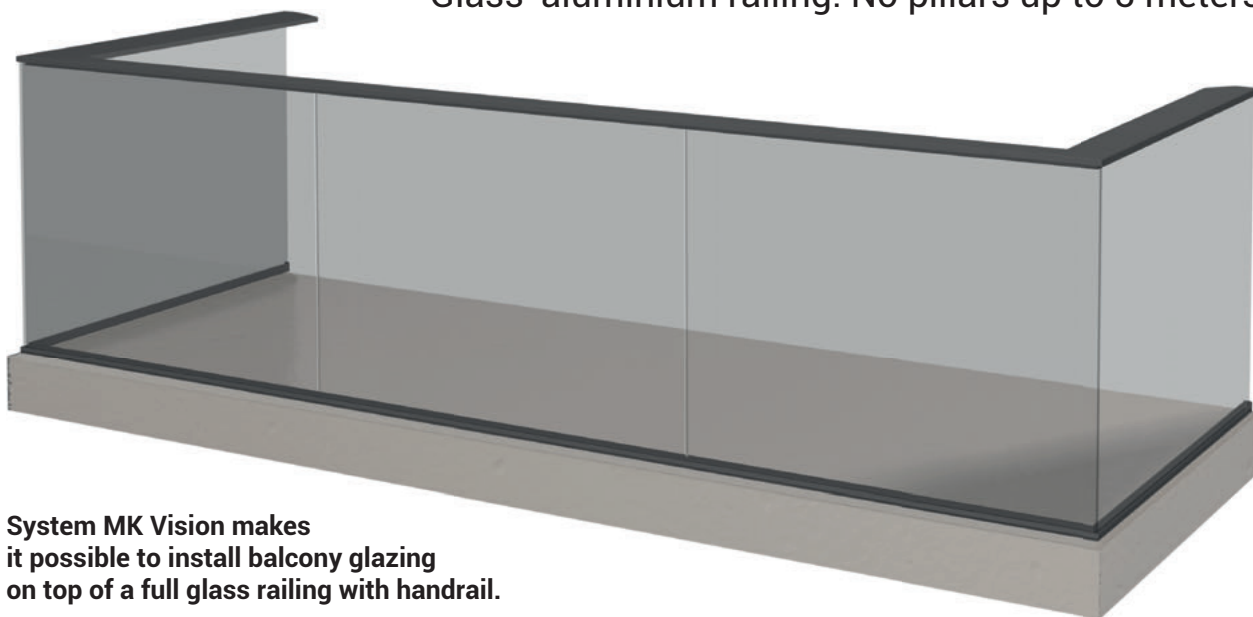
Handrail **KP3-70** can be used for extra strength and for inward mounted balcony glazing system. Can be used for all of the design options.

Handrail add-on features available. See handrail add-on design options on page 21.



System MK Vision

Glass-aluminium railing: No pillars up to 3 meters



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

Glass is installed in a clamp profile from top and bottom. Pillar is used for extra strength for every 3 meters.

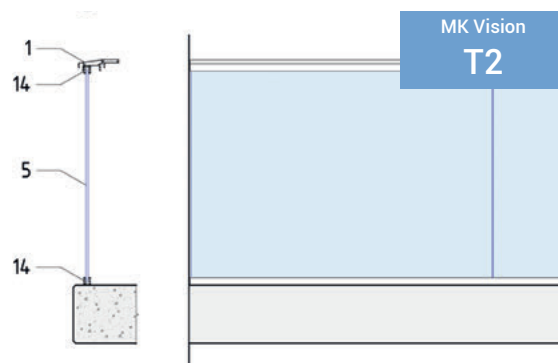
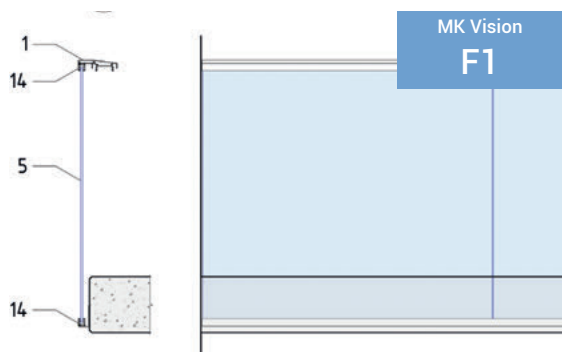
SURFACE TREATMENT

Powder coated

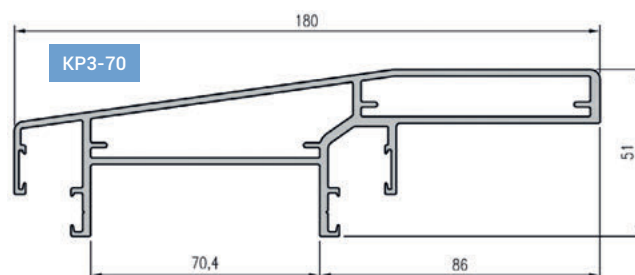
COLOUR CHART

RAL

| | | |
|----|------------------|--------------|
| 1 | Handrail profile | KP3-70 |
| 5 | Filler | Safety glass |
| 14 | Clamp profile | 30x35 |

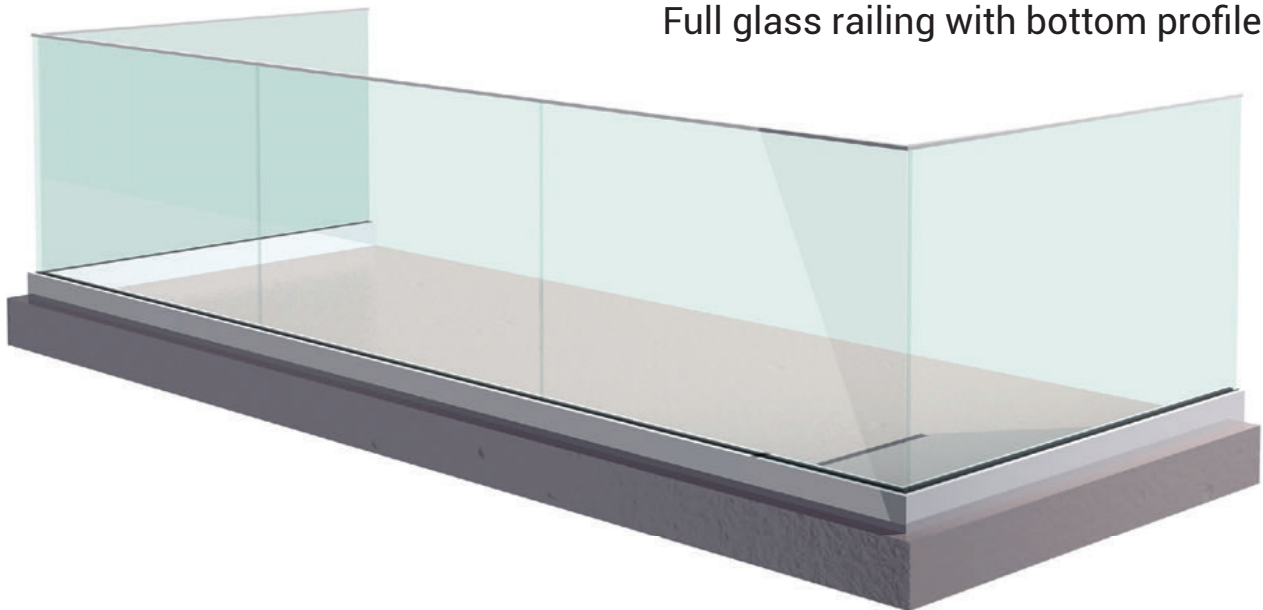


Handrail add-on features available. See handrail add-on design options on page 21.



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.

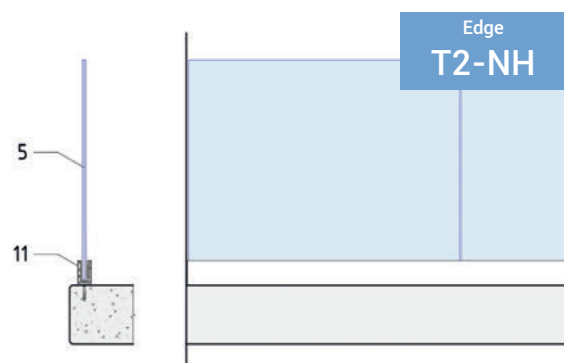
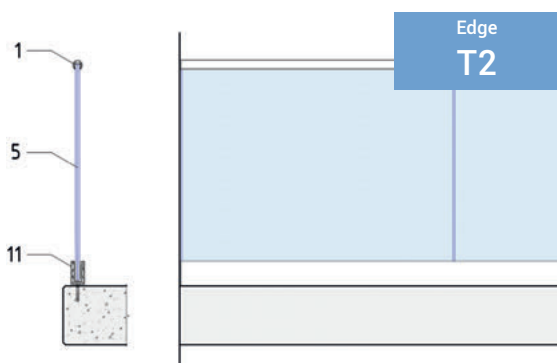
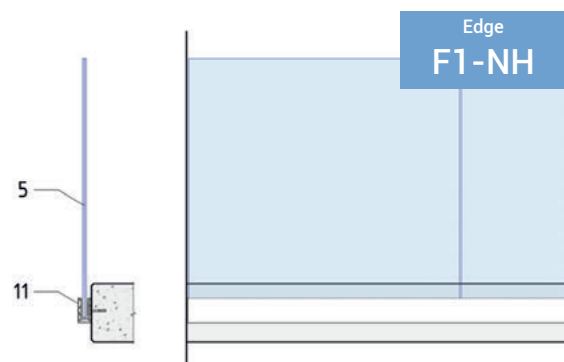
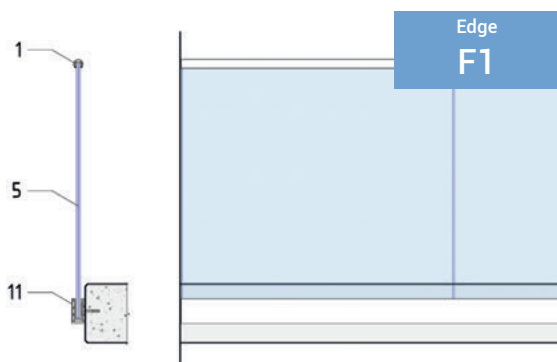
SURFACE TREATMENT
Powder coated
or anodized

COLOUR CHART
RAL



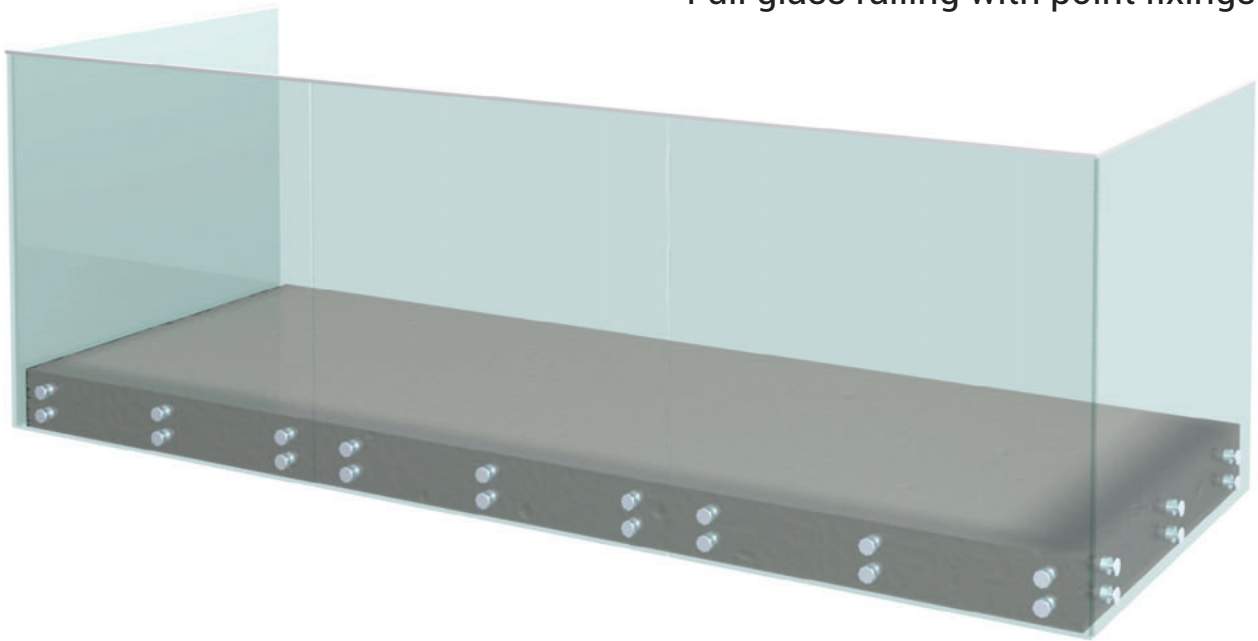
This system must be installed with a Ø42.4x1,5 stainless steel handrail when the railing is more than 600 mm high and more than 8 m wide.

| | | |
|----|------------------|---------------------|
| 1 | Handrail profile | Slot tube Ø42.4x1,5 |
| 5 | Filler | Safety glass |
| 11 | Fixing profile | 60x110 |



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.

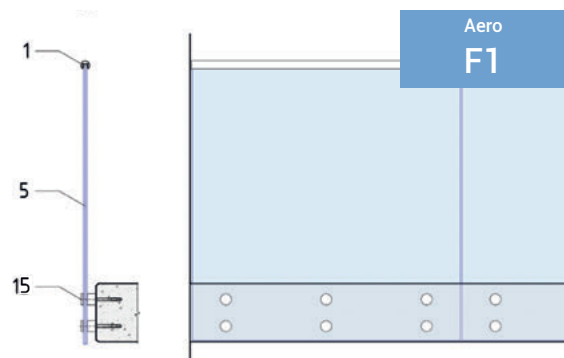
SURFACE TREATMENT

Satin, brushed

COLOUR CHART

—

| | | |
|----|------------------|---------------------|
| 1 | Handrail profile | Slot tube Ø42.4x1,5 |
| 5 | Filler | Safety glass |
| 15 | Fixings | Point fixing |



Handrail design options

Malmerk Klaasium main handrail types can be combined with different add ons for design purposes. The main types are Type 1; Type 2; Type 3 and Type 4.

Type 1 and Type 2 come with a standard height of 120 mm including the round handrail profile.

Type 3 and Type 4 have a standard height of 150 mm including the round handrail profile.

The height can be changed according to specific project. Maximum height for all the types is 200 mm.

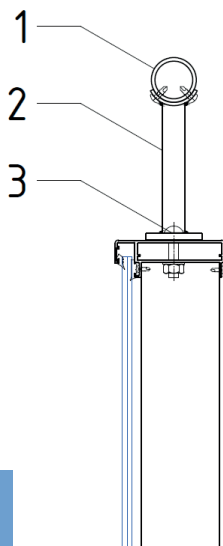
SURFACE TREATMENT

Powder coated

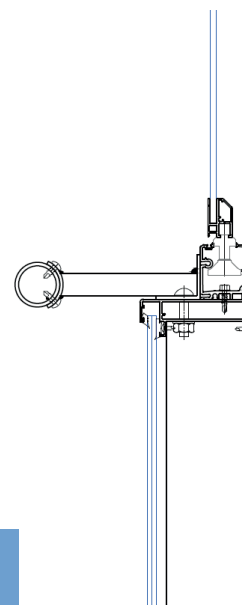
COLOUR CHART

RAL

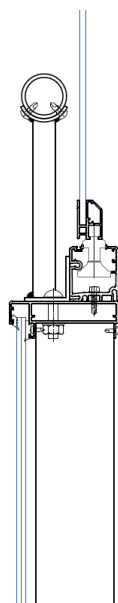
| | | |
|---|------------------|--------------------|
| 1 | Handrail profile | Ø40 round al. tube |
| 2 | Fixing detail | Aluminium bracket |
| 3 | Fixings | RST bolt M6 |



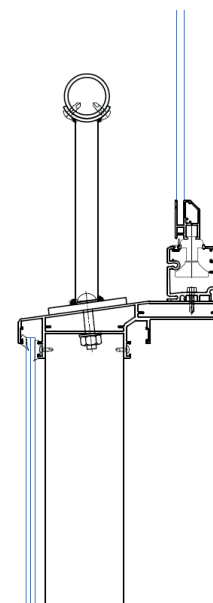
Handrail
Type 1



Handrail
Type 2



Handrail
Type 3



Handrail
Type 4

French balconies

SURFACE TREATMENT

Powder coated

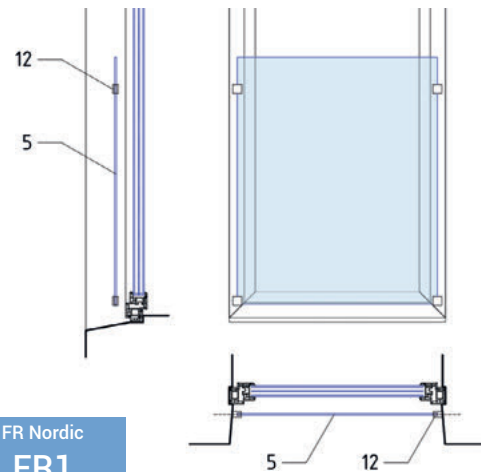
COLOUR CHART

RAL

| | | |
|----|------------------|--------------------------------|
| 1 | Handrail profile | KP1-70; KP2-70; KP1-50; KP2-50 |
| 2 | Glass profile* | 24x35 |
| 3 | Pillar | 50x30 mm or 70x30 mm |
| 5 | Filler | Safety glass |
| 8 | P-profile | 42x30 |
| 5 | Filler | Safety glass |
| 12 | Fixing detail | Clamp profile 45x45 |
| 14 | Clamp profile | 30x35 |
| 15 | Fixing detail | Point fixing |

FR Nordic

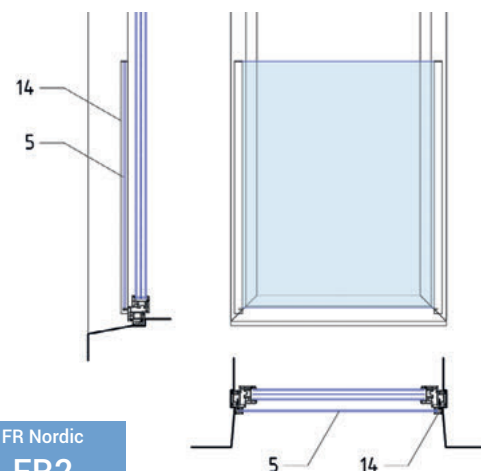
Glass is fixed with 4 stainless steel glass clamps.



FR Nordic
FR1

FR Line

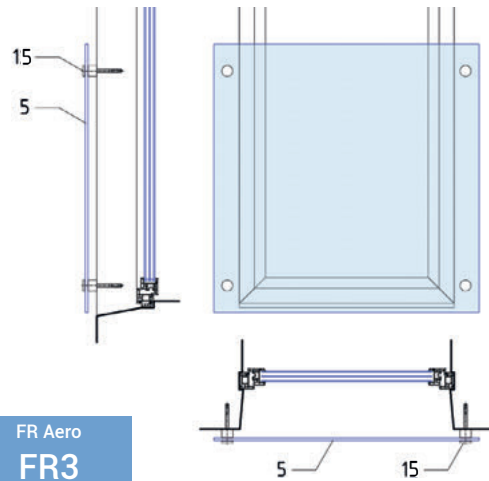
Glass is fixed with vertical clamp profile from both sides.



FR Nordic
FR2

FR Aero

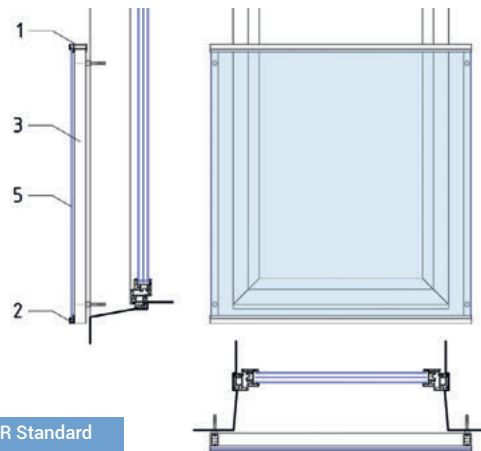
Glass is fixed with 4 stainless steel point fixings.



FR Aero
FR3

FR Standard

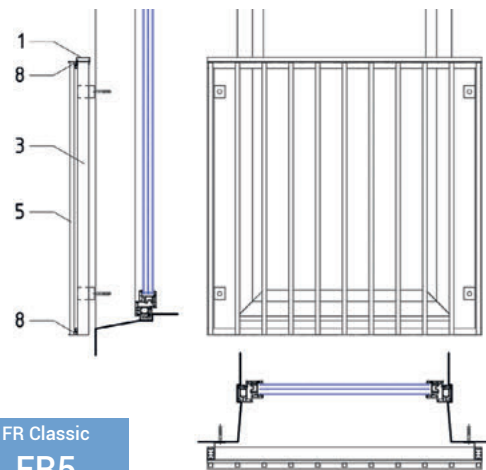
Glass is fixed from top and bottom with glass profile. This type comes with a handrail. The railing is attached to the wall through pillars behind the glass.



FR Standard
FR4

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.



FR Classic
FR5

Handrail add-on features available. See handrail add-on design options on page 21.

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.



**MALMERK
KLAASIUM**

Malmerk Klaasium OÜ

klaasium@malmerk.ee

+372 6599 240

malmerkklaasium.ee

facebook.com/malmerkklaasium

linkedin.com/company/malmerk-klaasium

Valdeku 132, 11216 Tallinn, Estonia



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