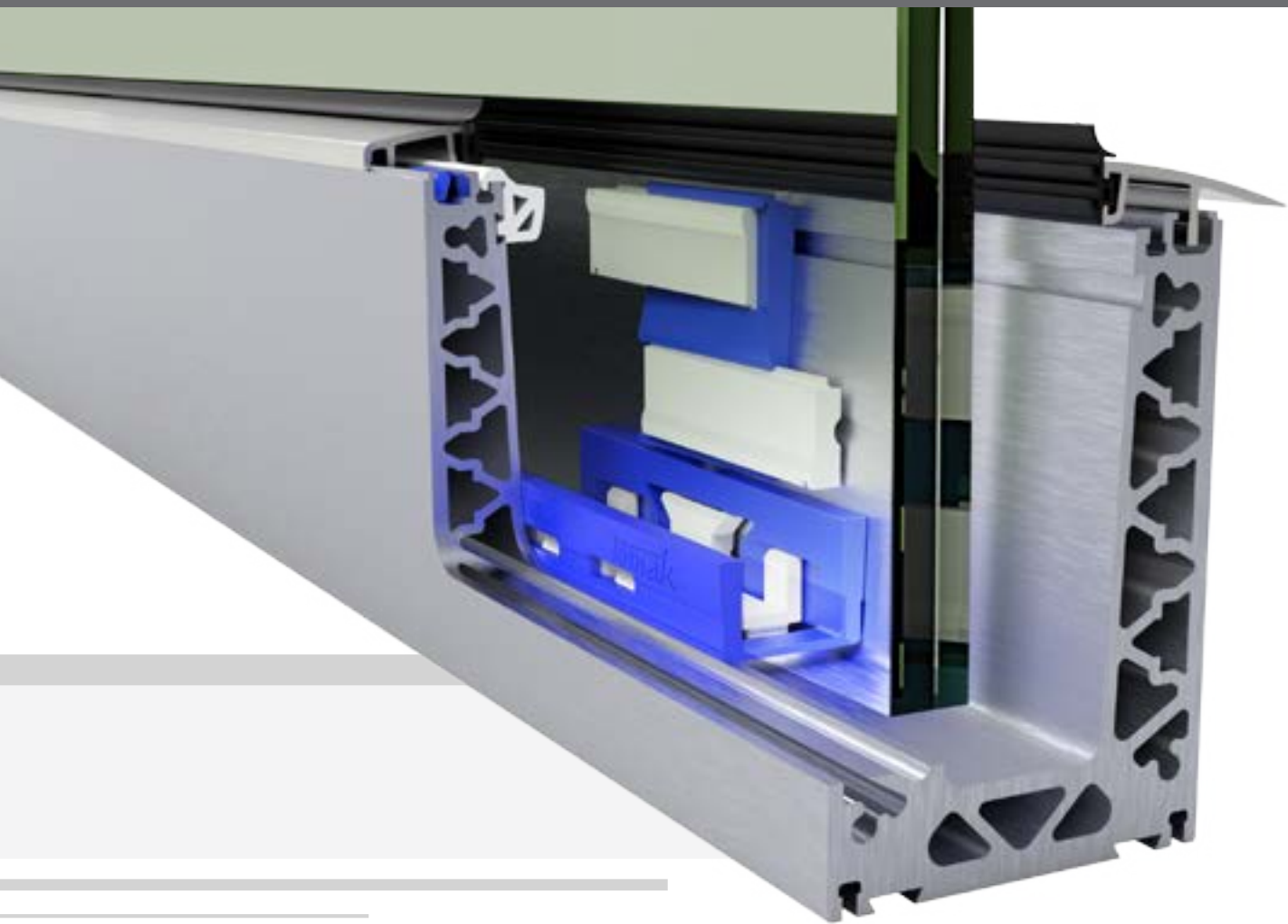




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US  
patent



US 16/331, 194

EU  
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EP17848291.5







### TOMAK RAILINGS – SIMPLICITY WITHIN COMPLEXITY

**Tomak** was founded in 1993 by the late Haim George and his son-in-law Simon Bieler.

Simon is the CEO – second generation die & tool maker who named the company after his two children Tom & Karin hence Tomak.

**Tomak** is a market leader of metal & glass works in.

**Tomak** specializes in metal & glass applications from simple hand railings, up to complex steel & glass structures, including custom made due to client specifications.

Tomak is a family business with professional dedicated team following the the company over 20 years.

**Tomak** handles all its design development & engineering in house & even models, samples & testing are executed by the team.

**Tomak** has high-end computerized machinery experienced workforce, a spotless reputation at the market with the most prestigious clients all over the country.

For 3 decades Tomak's long experience in metal & glass industry reflects our products and service to deliver **smart & easy** balustrade solutions using our own system.



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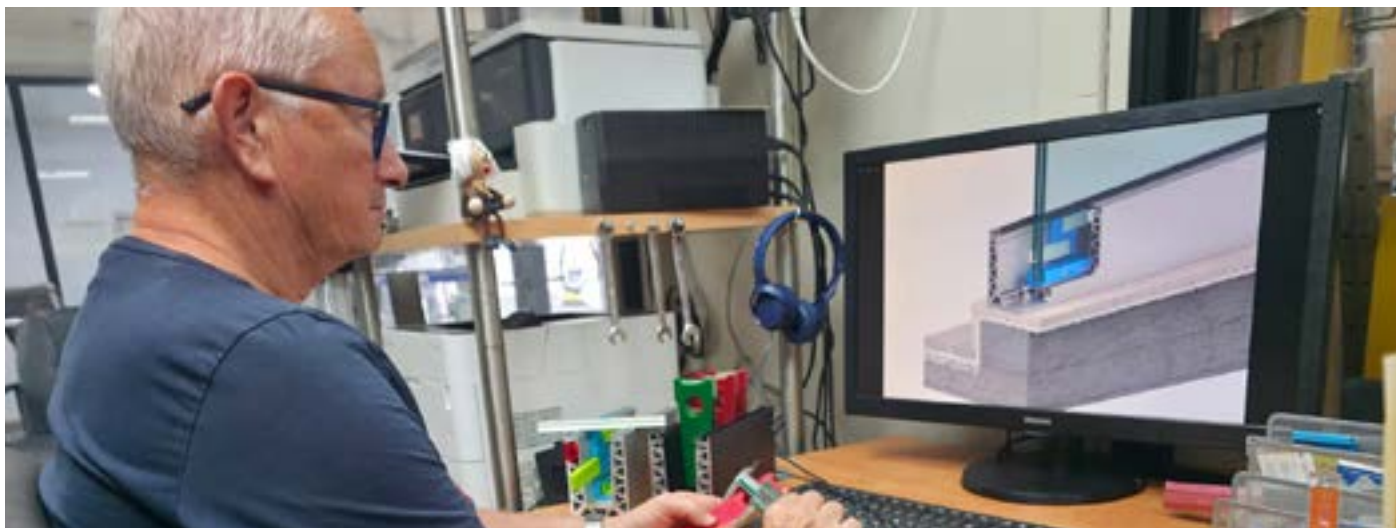
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### **Simon Bieler –**

Born in the UK in 1963, Simon Bieler is the owner, manager and founder of Tomak.

He followed in the footsteps of his late father, Alfred Bieler, a skilled die and toolmaker from Germany, who was among the first workers at ISCAR International.

At the age of six, Simon discovered his passion for the industry while visiting his father's toolmaking department. From that moment, his fascination with research, design, and the development of metal products began—and only grew stronger over the years.

For more than three decades, Simon has been leading Tomak, continuously bringing together top professionals and experts. He remains personally involved in the company's unique and innovative production, design, and product development processes.

Tomak designs, manufactures, and installs balustrades in various materials and combinations, including glass, stainless steel, and aluminum.



Simon Bieler Already in the industry  
from age of 5. ISCAR Factory – 1968



Tomak Dry Glazing Railing Glass System





## INVESTORS & COLABERATIONS

### TOMAK SIMPLICITY WITHIN COMPLEXITY

Thanks to our extensive technical knowledge and many years of research experience, we have developed inhouse system for unique, dry glazed glass railings that have been tested and proven to be very effective. The system offers solutions for special installations in unusual forms in various prestigious projects across the country.

Our fully equipped design and development workshop as well as our extensive machining and tooling expertise made us an ideal partner for architects, designers and entrepreneurial Projects. We worked with them to convert their concept designs to reality. Anything they imagined it, we found the best way to manufacture.

we have built our reputation on creativity, innovation, excellent service and uncompromising quality both for our products or our fully customized project services.

Due to installation fo thousands of meters of glass balustrades we developed our own Universal Dry Glazing System. TOMAK's current product systems include: a registered patent for dry glaziing railing system a professional-grade DIY aluminum home fencing system a glass+aluminum banister system.

As part of "Startup Nation" we have made a technological breakthrough in our field, We are seeking involvement of large companies, who present strong advantage and assist in commercialization, manufacturing and in opening the door to global markets. If you are such company, you may benefit from collaborating with us, by sharing the risk of r&d investment and relying on our knowledge, facilities and expertise for innovative product development and market penetration.

In order to encourage the creation of partnerships in, the Innovation Authority operates a dedicated Global Enterprise R&D Collaboration Program.

If you are seeking for new product innovation to market and wish to get more info contact us and we will meet you for more details.

**Our team shares the visionary of all in one tailor-made on-site solutions with the most resourceful out of the box thinking – come join us for an outstanding future opportunity.**





## EUROPEAN CERTIFICATION



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Date 08.05.2025

Reference P-80361-EP  
Applicant/Proprietor Tomak Ltd.  
Application No./Patent No. 17848291.5 - 1005 / 3510231

### Transmission of the certificate for a European patent pursuant to Rule 74 EPC

The certificate for a European patent is herewith transmitted.

The European patent specification can be downloaded from the EPO publication server <https://data.epo.org/publication-server/> (see OJ EPO 2005, 126).

Note:  
A corrected title page of the European patent specification will be published, if the bibliographic data have been changed after completion of the technical preparations.

For the Examining Division



## EUROPÄISCHES PATENT | EUROPEAN PATENT BREVET EUROPÉEN

Hiermit wird bescheinigt, dass für die in der Patentschrift beschriebene Erfindung ein europäisches Patent für die in der Patentschrift bezeichneten Vertragsstaaten erteilt worden ist.  
It is hereby certified that a European patent has been granted in respect of the invention described in the patent specification for the Contracting States designated in the specification.

Il est certifié par la présente qu'un brevet européen a été délivré pour l'invention décrite dans le fascicule de brevet, pour les États contractants désignés dans le fascicule.

Europäisches Patent Nr. 3510231  
European patent no. 3510231  
Brevet européen n° 3510231

EP3510231

23.04.2025

### SYSTEM AND METHOD FOR PLATE ALIGNMENT

Patentinhaber / Proprietor(s) of the patent / Titulaire(s) du brevet

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Erfinder des Europäischen Patents / Inventor of the European Patent / Propriétaire de l'Office européen des brevets  
München, den 11. Mai 2025 / Munich, le 11.05.2025

## USA CERTIFICATION



United States Patent  
Baker et al.  
Patent No. US 11,220,833 B2  
Date of Patent: Jun. 11, 2022

(44) SYSTEM AND METHOD FOR PLATE ALIGNMENT  
(71) Applicant: TOMAK LTD., Moskov Pongla (IL)  
(72) Inventor: Simon Lutz Baker, Nabatya (IL); Me Brudner, Nabatya (IL)  
(73) Assignee: TOMAK LTD., Moskov Pongla (IL)

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(43) Field of Classification Search: CPC: B27 01/00 (2013.01); B27 01/00 (2013.01)  
See application file for complete search history.

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4,826,049 A2 01/1989 Shapiro et al.  
4,826,050 A2 01/1989 Shapiro et al.  
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4,826,052 A2 01/1989 Shapiro et al.  
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4,826,059 A2 01/1989 Shapiro et al.  
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4,826,067 A2 01/1989 Shapiro et al.  
4,826,068 A2 01/1989 Shapiro et al.  
4,826,069 A2 01/1989 Shapiro et al.  
4,826,070 A2 01/1989 Shapiro et al.  
4,826,071 A2 01/1989 Shapiro et al.  
4,826,072 A2 01/1989 Shapiro et al.  
4,826,073 A2 01/1989 Shapiro et al.  
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4,826,076 A2 01/1989 Shapiro et al.  
4,826,077 A2 01/1989 Shapiro et al.  
4,826,078 A2 01/1989 Shapiro et al.  
4,826,079 A2 01/1989 Shapiro et al.  
4,826,080 A2 01/1989 Shapiro et al.  
4,826,081 A2 01/1989 Shapiro et al.  
4,826,082 A2 01/1989 Shapiro et al.  
4,826,083 A2 01/1989 Shapiro et al.  
4,826,084 A2 01/1989 Shapiro et al.  
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4,826,087 A2 01/1989 Shapiro et al.  
4,826,088 A2 01/1989 Shapiro et al.  
4,826,089 A2 01/1989 Shapiro et al.  
4,826,090 A2 01/1989 Shapiro et al.  
4,826,091 A2 01/1989 Shapiro et al.  
4,826,092 A2 01/1989 Shapiro et al.  
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4,826,097 A2 01/1989 Shapiro et al.  
4,826,098 A2 01/1989 Shapiro et al.  
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4,826,105 A2 01/1989 Shapiro et al.  
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4,826,107 A2 01/1989 Shapiro et al.  
4,826,108 A2 01/1989 Shapiro et al.  
4,826,109 A2 01/1989 Shapiro et al.  
4,826,110 A2 01/1989 Shapiro et al.  
4



## SMART SYSTEM

### INNOVATIVE FEATURES & PATENTED ELEMENTS

- \* A UNIVERSAL CHANNEL DESIGN – SIMPLE & SYMMETRIC – adaptable to all site conditions with intermediary brackets.
- \* LEVELING DEVICE integrated into the profile to ensure precise alignment
- \* LEVELING ALIGNMENT MECHANISM®  
Easy glass positioning adjustment with a simple lever motion.  
This unique PATENT- ALIGNMENT MECHANISM allow you know the glass angle by watching the lever direction.
- \* POSITION & LOCK the glass panel, at any angle using our PATENT- TRIPLE ACTION LOCKING SYSTEM®.
- \* Unique design grips top and bottom for maximum strength.
- \* Our CLIP-ON cover solution suits all building types facades and designed to interface with any wall finish: Drywall, tiles, glass, wood, masonry, etc.

### WHY CHOOSE OUR SYSTEM

- \* Universal profile • Minimal stock • Maximum efficiency.
- \* Multiple clip-on cover options – compatible with every facade and wall finish.
- \* Smart & Easy Balustrade Solutions – Backed by Decades of Experience
- \* Cantilever mount for a clean, floating look.
- \* Unique alignment mechanism **Patent** – ensuring perfect glass line-up.  
Triple action **Patent** Locking system.
- \* Our system's alignment and locking mechanism allow installation from **inside the balcony**, eliminating the need for lifting platforms and saving both **TIME & MONEY**.
- \* Our dedicated team simplified the design and ordering process, making it easier than ever.
- \* TÜV tested & certified.
- \* Our system comply with the **ABZ** German standard.

### SIMPLICITY WITHIN COMPLEXITY

- \* Not just developers, but installers – With thousands of balcony and commercial projects delivered, **we Know how to simplify installation.**
- \* Smart & Easy Balustrade Solutions, Backed by years of TOMAK'S Experience

US  
patent



US 16/331, 194

EU  
patent



EP17848291.5

## SMART SYSTEM POSITIONING, LEVEL & LOCK SMART SYSTEM



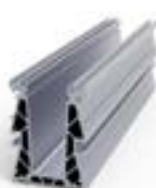
TK 8200 – 8208  
Commercial  
3.0 KN & more



TK 8400 – 8408  
Commercial  
3.0 KN & more

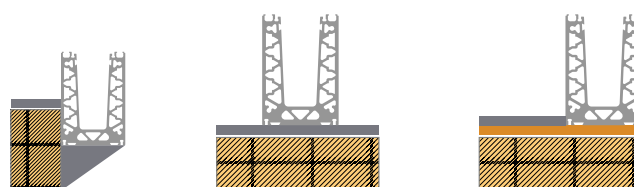
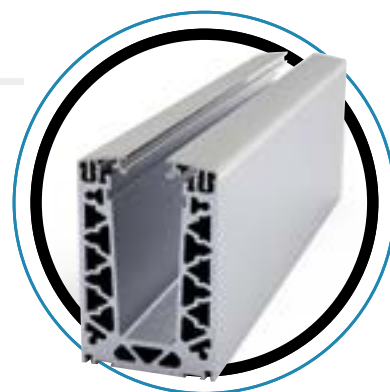


TK 6200 – 6208  
Residential  
1.5KN & more

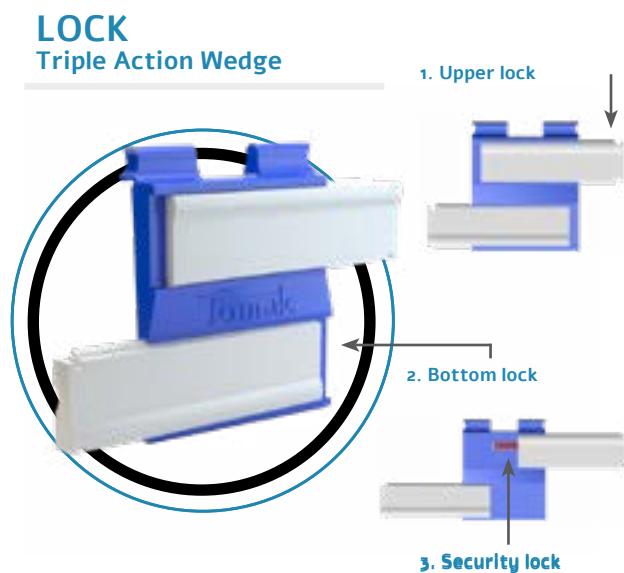
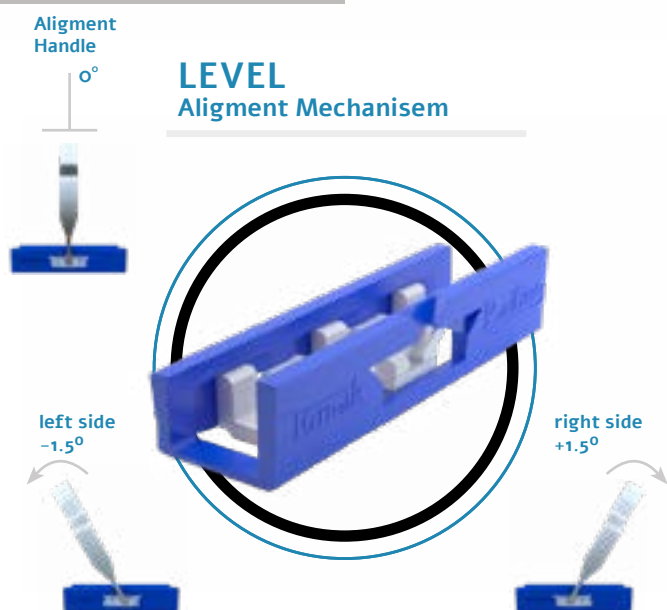
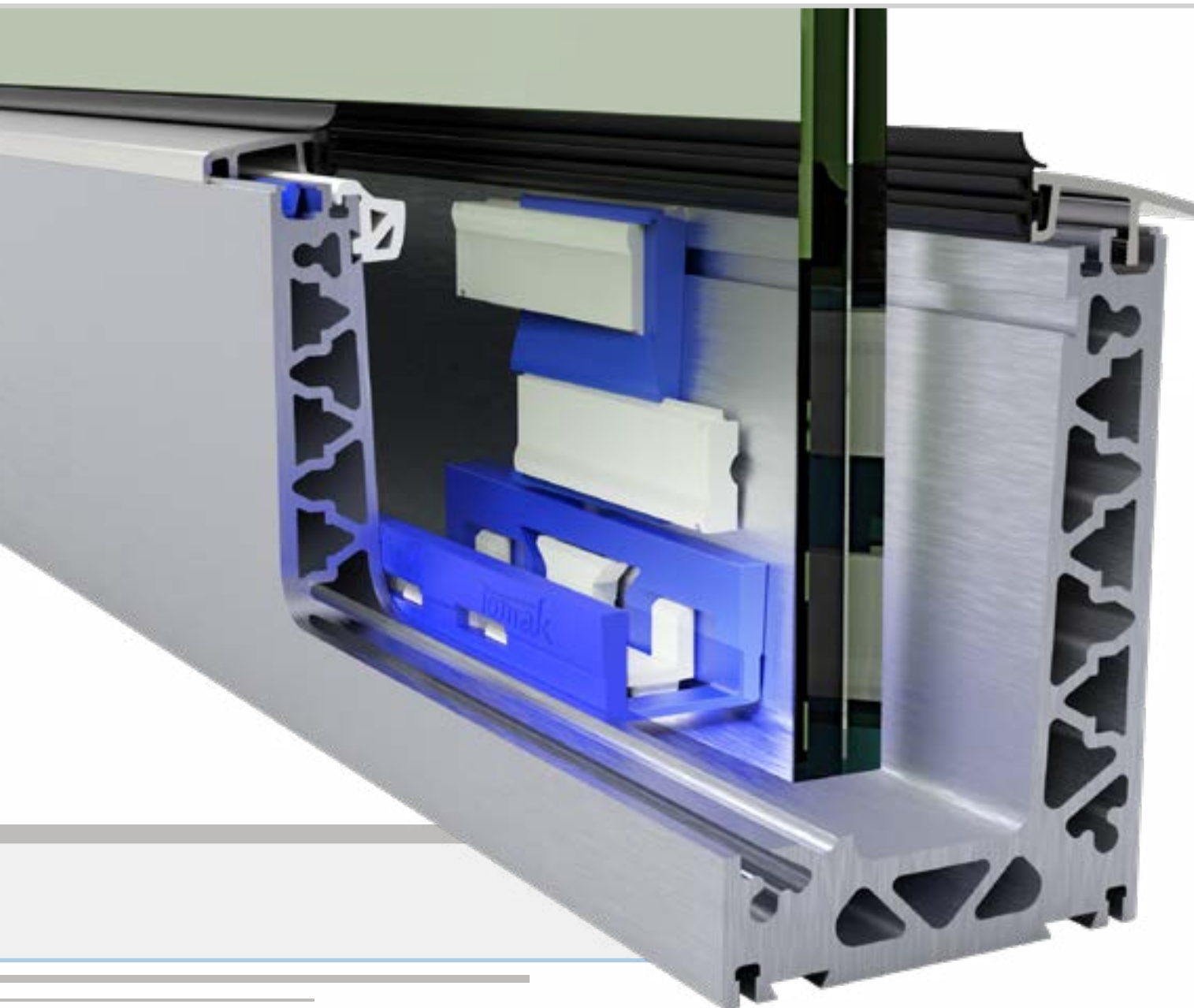


TK 8250  
Casting  
3.0 KN & more

### POSITION Universal Channel

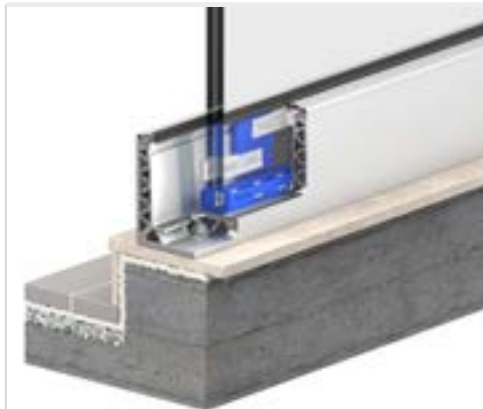








## TK-8400 – 3.0 KN profile for 12 + 1.52 SGP + 12 glass



**TK-8400**  
Heavy Profile  
3.0 KN Top Mount  
[p.12](#)

## TK-8200 – 3.0 KN profile for 10 + 1.52 SGP + 10 glass



**TK-8200**  
Heavy profile  
3.0 KN top mount  
[p.16](#)



**TK-8404**  
Heavy Profile  
3.0 KN Cantilever  
mount  
[p.13](#)



**TK-8204**  
Heavy Profile  
3.0 KN cantilever  
mount  
[p.17](#)



**TK-8408**  
Heavy Profile  
3.0 KN Installation  
on Steel Plate  
[p.14](#)



**TK-8208**  
Heavy Profile  
3.0 KN Installation  
on Steel Plate  
[p.18](#)

**CAD** IN EVERY  
FORMAT



bimmatch







## TK-6200 – 3.0 KN profile for 8 + 1.52 SGP + 8 /10 + 1.52 SGP + 10 glass



**TK-6200**  
Fine profile  
1.5 KN  
Top mount  
[p.24](#)

## Casting profile

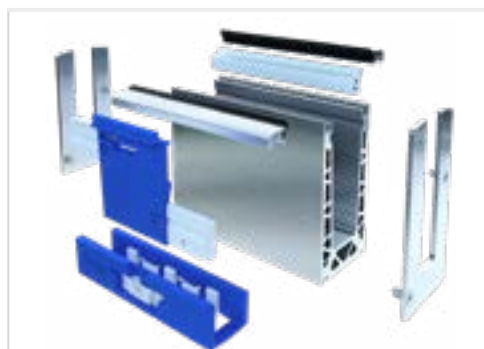


**TK-8250**  
Casting  
Profile  
3.0 KN  
[עמ' 21](#)



**Tk-6204**  
Fine profile  
1.5 KN cantilever  
mount  
[P.25](#)

## SEGMENTS



**TK-8290**  
**TK-6290**  
Segments  
[p.23](#)

## MORE

Tomak Tool Box [p.28](#)

Accessories [p.29](#)

Cover Ends  
Corners [p.30](#)

Tüv Test Results [p.31](#)



**TK-6208**  
Fine profile  
1.5 KN  
foot mount  
[p.26](#)



Installation instructions

\*Images are for illustration purposes only.





**US patent  
US 16/331, 194**



A photograph of a modern, multi-story building with a white facade and large glass balconies. A glass pergola structure is installed on a terrace level, featuring a grid of glass panels supported by white columns. The terrace is furnished with outdoor seating and potted plants. The building is set against a clear blue sky.

**TOMAK  
DRY GLAZING  
SYSTEM**

**TOMAK  
SUSPENDED  
GLASS PERGOLA**

**PALM BEACH RESORT**

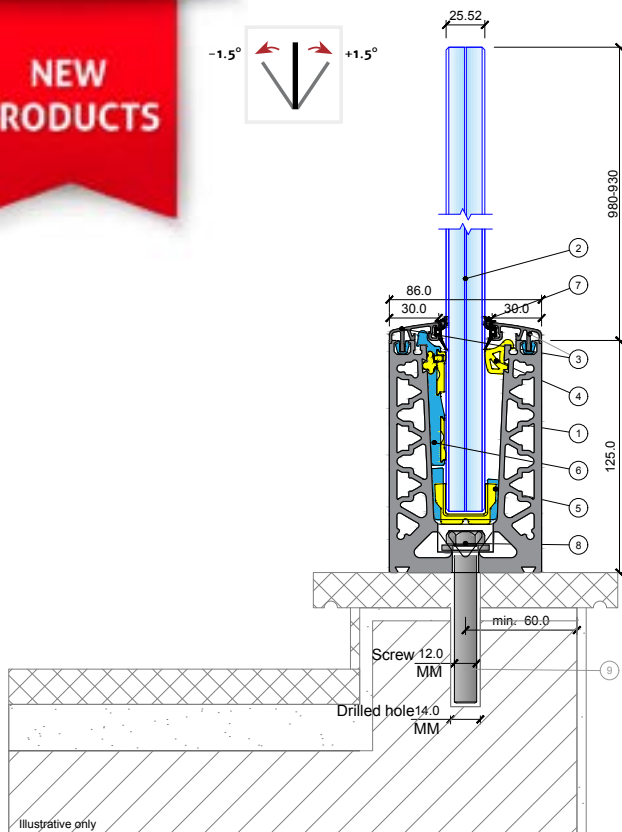
**3.0 KN PROFILES**



# TK-8400 part | TK-8400 profile

## Heavy Profile 3.0 KN Top Mount

**NEW  
PRODUCTS**



- 1 Profile TK-8400
- 2 Compatible with glass using SGP lamination:  
12+1.52+12
- 3 Aluminum top cover rail
- 4 Glass back support profile: P.P + GF 20%
- 5 leveling & alignment mechanism – PP + 20% GF
- 6 Triple locking mechanism (3-actions): P.P + GF 20%
- 7 Sealing gaskets: EPDM
- 8 Stainless steel threaded rod M12/170 + chemical anchor  
+ HILTI + nut + washer

### Glass Kit 3.0m

Leveling & Alignment  
Mechanism



Triple Action Locking  
Mechanism



Glass Back Support



Cover Clips



Epdm Sealing Gasket

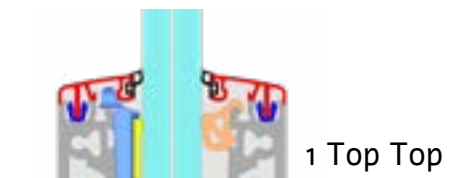


Epdm Glass Spacers



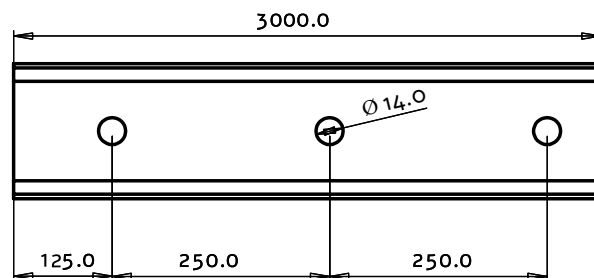
\* Must be cut by the installer

### Cover Sets Options



### Order Kit

Heavy Profile Top Mount – Brushed anodized	TK-8400
Glass Kit – 12 + 1.52 SGP + 12	GK-25.52
Top Top – Cover	TTC82-1
Top Floor – Cover	TFC82-2

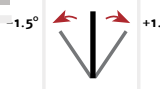


\*\* Different finishes are available upon request.

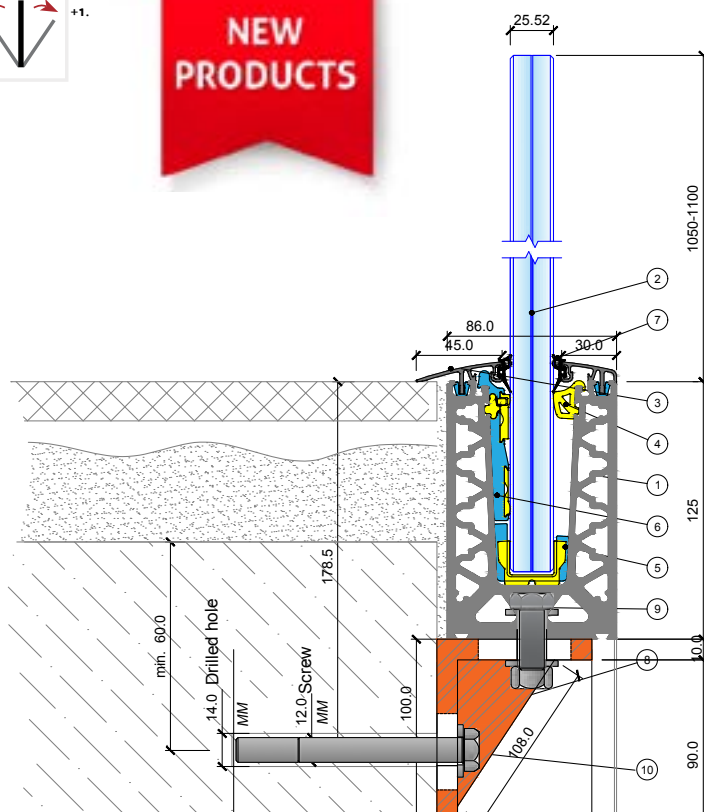
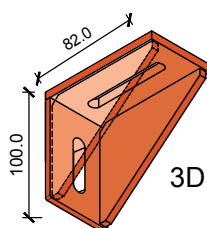
\*\*\* For End Caps, Handrails & Accessories – See page 28 – 30 of this manual.



- 1 Profile TK-8400
- 2 Compatible with glass usooing SGP lamination: 12+1.52+12
- 3 Aluminum top cover rail
- 4 Glass back support profile: P.P + GF 20%
- 5 leveling & alignment mechanism – PP + 20% GF
- 6 Triple locking mechanism (3-actions): P.P + GF 20%
- 7 Sealing gaskets: EPDM
- 8 Steel angle bracket, 10 mm thick, galvanized & powder coated, spaced @250 mm c/c
- 9 Hexagon head bolt M12/35 + nut + 2 washers
- 10 Stainless steel threaded rod M12/170 + chemical anchor + HILTI + nut + washer



**NEW PRODUCTS**



### Glass Kit 3.0m

#### Leveling & Alignment Mechanism



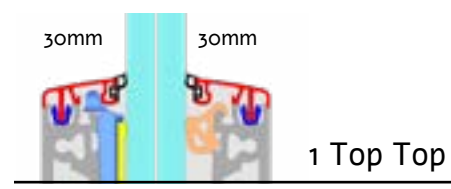
#### Triple Action Locking Mechanism



#### Glass Back Support



### Cover Sets Options



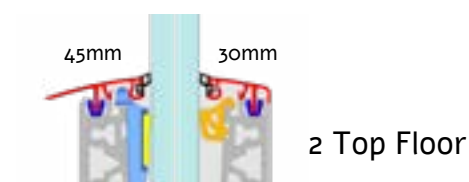
#### Cover Clips



#### Epdm Sealing Gasket



#### Epdm Glass Spacers



\* Must be cut by the installer

### Order Kit

Heavy Profile Side Mount –  
Brushed anodaized

TK-8402

Glass Kit – 12 + 1.52 SGP + 12

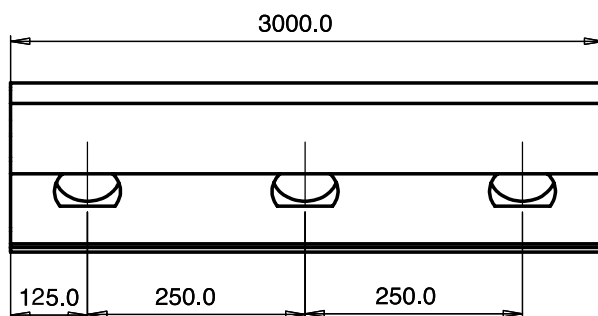
GK-25.52

Top Top – Cover

TTC82-1

Top Floor – Cover

TFC82-2



\*\* Different finishes are available upon request.

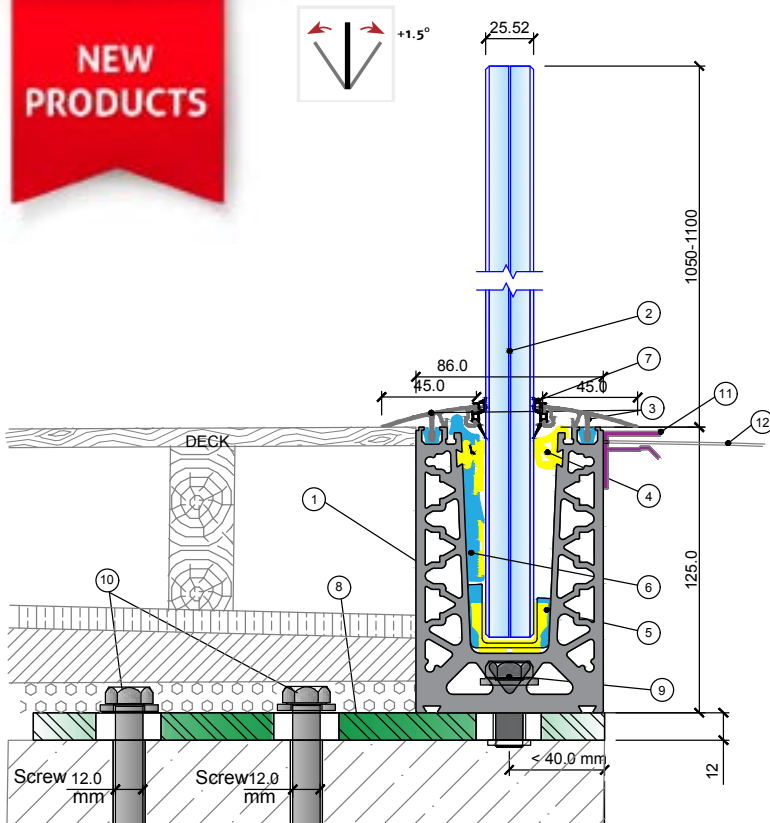
\*\*\* For End Caps, Handrails & Accessories – See page 28 – 30 of this manual.



# TK-8408 part | TK-8400 profile

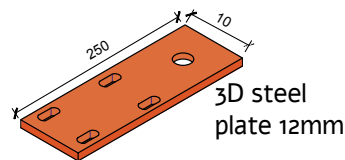
## Heavy Profile 3.0 KN (Installation on Steel Plate)

**NEW  
PRODUCTS**



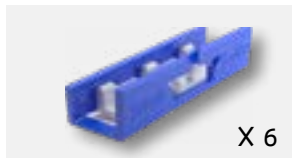
- 1 Profile: TK-8400
- 2 Compatible with glass usooing SGP lamination: 12+1.52+12
- 3 Aluminum top cover rail
- 4 Glass back support profile: P.P + GF 20%
- 5 leveling & alignment mechanism – PP + 20% GF
- 6 Triple locking mechanism (3-actions): P.P + GF 20%
- 7 Sealing gaskets: EPDM
- 8 Steel base plate, 12 mm thick, galvanized & powder coated, spaced @250 mm c/c
- 9 Hexagon head bolt M12/35 + nut + 2 washers
- 10 Stainless steel threaded rod M12/170 + chemical anchor + HILTI + nut + washer

Top view of steel plate

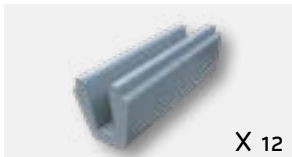


### Glass Kit 3.0m

Leveling & Alignment Mechanism



Cover Clips



Triple Action Locking Mechanism



Epdm Sealing Gasket



Glass Back Support

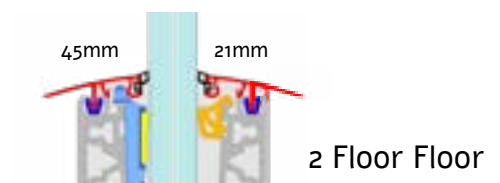
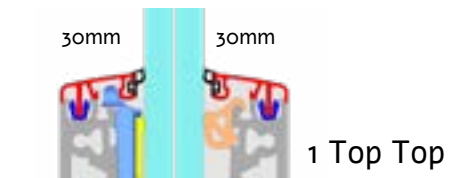


Epdm Glass Spacers



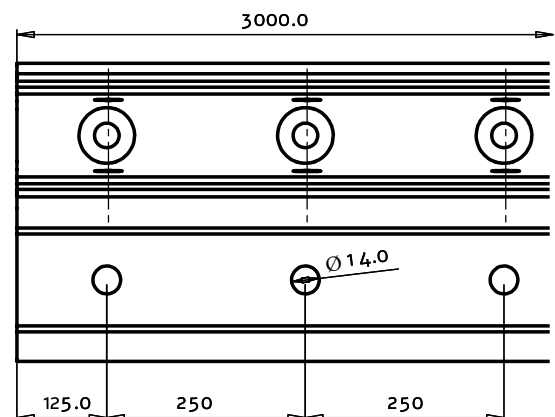
\* Must be cut by the installer

### Cover Sets Options



### Order Kit

Heavy Profile Top Mount – Brushed anodaized	TK-8400
Glass Kit – 12 + 1.52 SGP + 12	GK-25.52
Top Top – Cover	TTC82-1
Top Floor – Cover	TFC82-2



\*\* Different finishes are available upon request.

\*\*\* For End Caps, Handrails & Accessories – See page 28 – 30 of this manual.



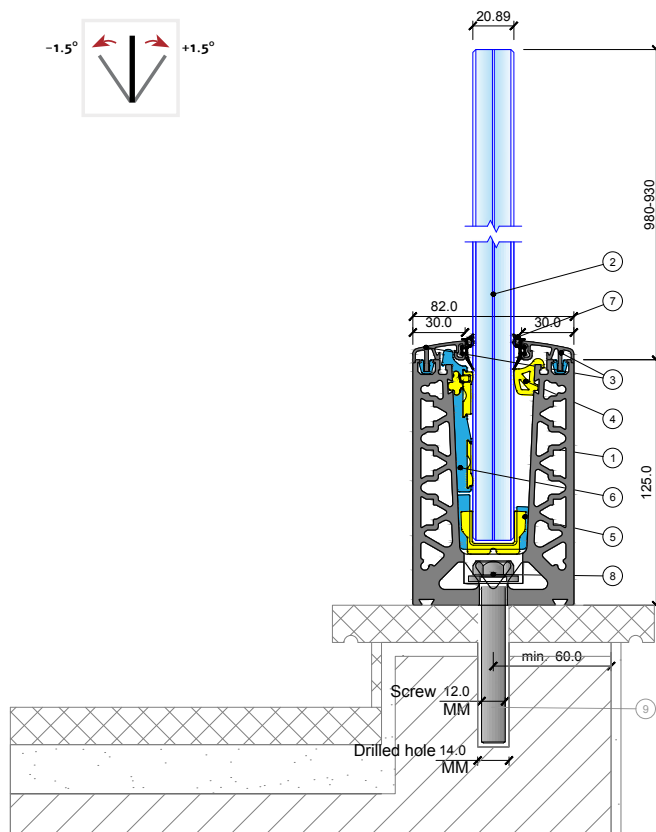


**3.0 KN PROFILES**



# TK-8200 part | TK-8200 profile

Heavy profile 3.0 KN top mount



- 1 Profile TK-8200
- 2 Compatible with glass using SGP lamination:  
 $8 + 0.89 + 8$   
 $8 + 1.52 + 8$   
 $10 + 0.89 + 10$   
 $10 + 1.52 + 10$
- 3 Aluminum top cover rail
- 4 Rear stabilization profile for glass: P.P + GF 20%
- 5 Glass tilting and leveling mechanism: P.P + GF 20%
- 6 Triple locking mechanism (3-action): P.P + GF 20%
- 7 Sealing gaskets: EPDM
- 8 Stainless steel threaded rod M12/170 + chemical anchor + HILTI + nut + washe

## Glass Kit 3.0m

Leveling & Alignment Mechanism



Triple Action Locking Mechanism



Glass Back Support



Cover Clips



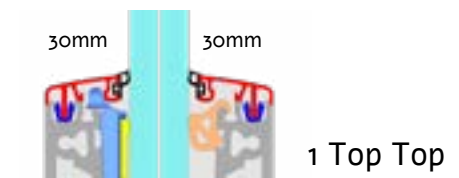
Epdm Sealing Gasket



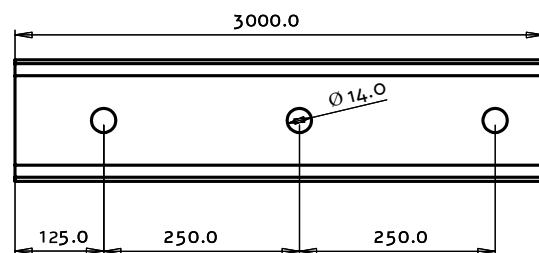
Epdm Glass Spacers



## Cover Sets Options



\* Must be cut by the installer



## Order Kit

Heavy Profile Cantilever Top Side Mount - Brushed anodized TK-8200

Glass Kit -  $8 + 0.89$  SGP + 8 GK-16.89

Glass Kit -  $8 + 1.52$  SGP + 8 GK-17.52

Glass Kit -  $10 + 0.89$  SGP + 10 GK-20.89

Glass Kit -  $10 + 1.52$  SGP + 10 GK-21.52

Top Top - Cover TTC82-1

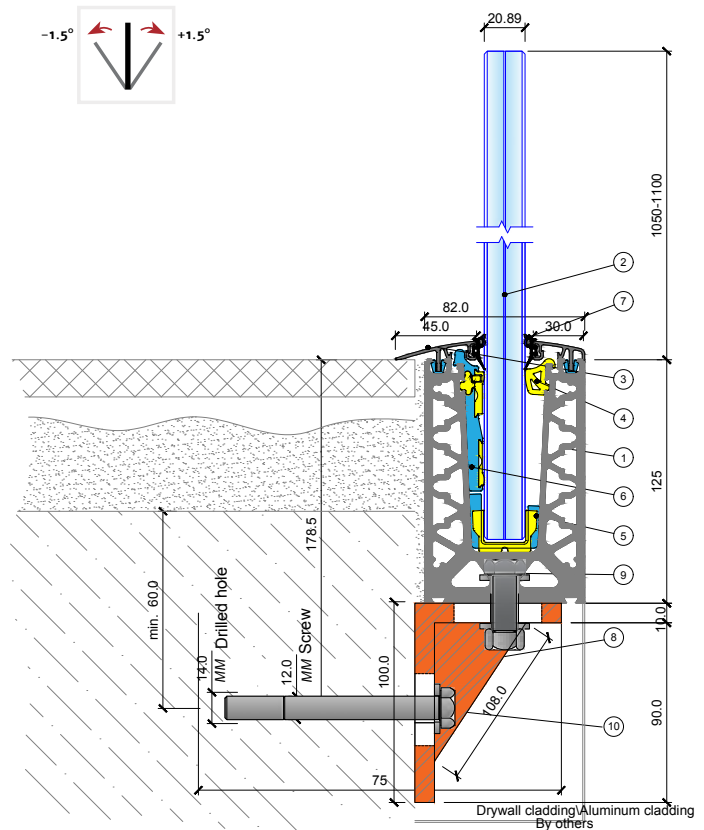
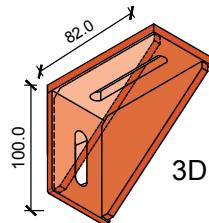
Top Floor - Cover TFC82-2

\*\* Different finishes are available upon request.

\*\*\* For End Caps, Handrails & Accessories - See page 28 - 30 of this manual.

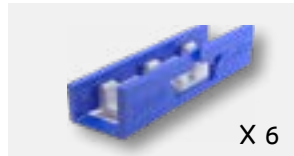


- 1 Profile TK-8200
- 2 Compatible with glass using SGP lamination:  
8 + 0.89 + 8  
8 + 1.52 + 8  
10 + 0.89 + 10  
10 + 1.52 + 10
- 3 Aluminum top cover rail
- 4 Rear stabilization profile for glass: P.P + GF 20%
- 5 Glass tilting and leveling mechanism: P.P + GF 20%
- 6 Triple locking mechanism (3-action): P.P + GF 20%
- 7 Sealing gaskets: EPDM
- 8 Steel angle bracket, 10 mm thick, galvanized & powder coated, spaced @250 mm c/c
- 9 Hexagon head bolt M12/35 + nut + 2 washer
- 10 Stainless steel threaded rod M12/170 + chemical anchor + HILTI + nut + washer



### Glass Kit 3.0m

#### Leveling & Alignment Mechanism



X 6

#### Triple Action Locking Mechanism



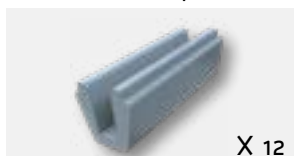
X 12

#### Glass Back Support



X 12

#### Cover Clips



X 12

#### Epdm Sealing Gasket



2 X 3.00 m

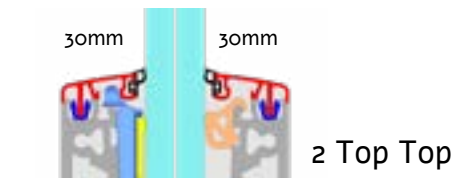
#### Epdm Glass Spacers



1 X 10 cm

\* Must be cut by the installer

### Cover Sets Options



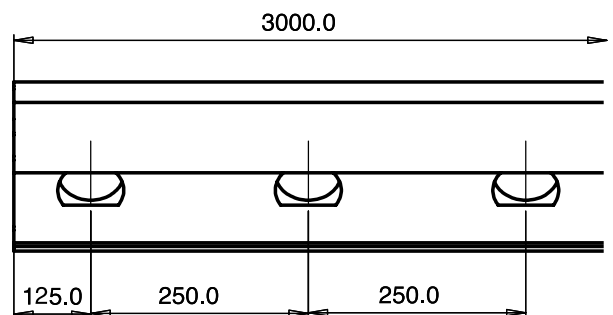
2 Top Top



2 Top Floor

### Order Kit

Heavy Profile Cantilever Top Side Mount - Brushed anodized	TK-8204
Glass Kit - 8 + 0.89 SGP + 8	GK-16.89
Glass Kit - 8 + 1.52 SGP + 8	GK-17.52
Glass Kit - 10 + 0.89 SGP + 10	GK-20.89
Glass Kit - 10 + 1.52 SGP + 10	GK-21.52
Top Top - Cover	TTC82-1
Top Floor - Cover	TFC82-2



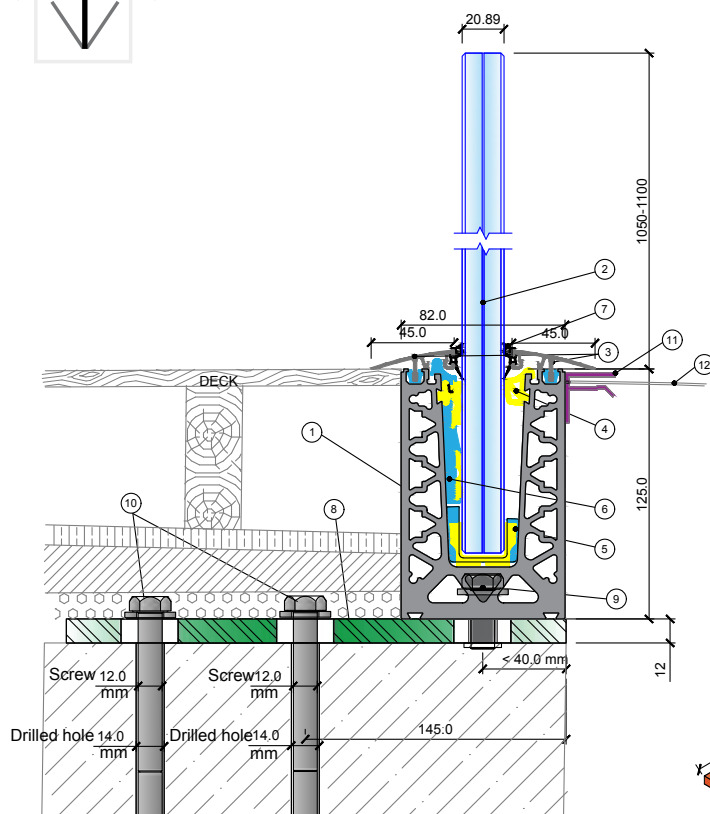
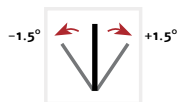
\*\* Different finishes are available upon request.

\*\*\* For End Caps, Handrails & Accessories - See page 28 - 30 of this manual.

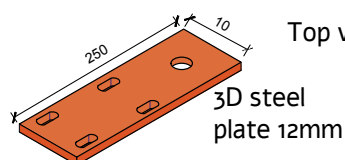


# TK-82o8 part | TK-82oo profile

## Heavy Profile 3.0 KN (Installation on Steel Plate)



- 1 Profile TK-82o8
- 2 Compatible with glass using SGP lamination:  
8 + 0.89 + 8  
8 + 1.52 + 8  
10 + 0.89 + 10  
10 + 1.52 + 10
- 3 Aluminum top cover rail
- 4 Rear stabilization profile for glass: P.P + GF 20%
- 5 Glass tilting and leveling mechanism: P.P + GF 20%
- 6 Triple locking mechanism (3-action): P.P + GF 20%
- 7 Sealing gaskets: EPDM
- 8 Steel base plate, 12 mm thick, galvanized & powder coated, spaced @250 mm c/c
- 9 Hexagon head bolt M12/35 + nut + 2 washers
- 10 Stainless steel threaded rod M12/170 + chemical anchor + HILTI + nut + washer



Top view of steel plate

3D steel plate 12mm

### Glass Kit 3.0m

#### Leveling & Alignment Mechanism



X 6

Cover Clips



X 12

#### Triple Action Locking Mechanism



X 12

EPDM Sealing Gasket



2 X 3.00 m

#### Glass Back Support



X 12

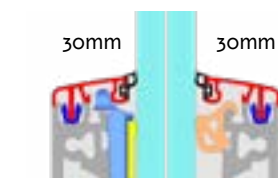
EPDM Glass Spacers



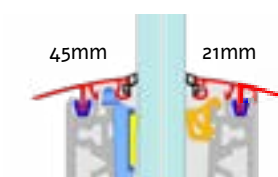
1 x 10 cm

\* Must be cut by the installer

### Cover Sets Options



1 Top Top



2 Floor Floor

### Order Kit

Heavy Profile Cantilever Top Side Mount - Brushed anodized TK-82o8

Glass Kit - 8 + 0.89 SGP + 8 GK-16.89

Glass Kit - 8 + 1.52 SGP + 8 GK-17.52

Glass Kit - 10 + 0.89 SGP + 10 GK-20.89

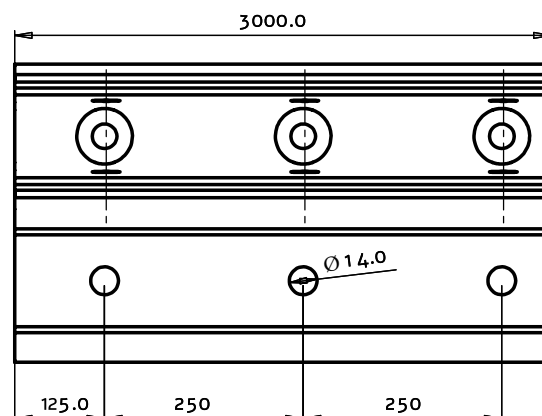
Glass Kit - 10 + 1.52 SGP + 10 GK-21.52

Top Top - Cover TTC82-1

Top Floor - Cover TFC82-2

\*\* Different finishes are available upon request.

\*\*\* For End Caps, Handrails & Accessories - See page 28 - 30 of this manual.





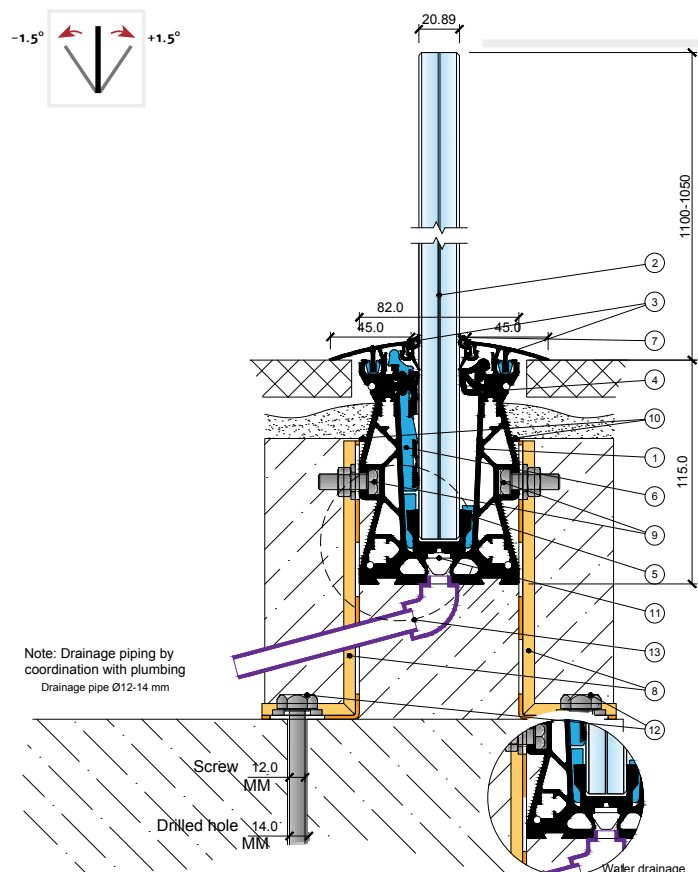






**CASTING PROFILE**





- 1 Profile TK-8250
- 2 Compatible with glass using SGP lamination:  
8 + 0.89 + 8  
8 + 1.52 + 8  
10 + 0.89 + 10  
10 + 1.52 + 10
- 3 Aluminum top cover rail
- 4 Rear stabilization profile for glass: P.P + GF 20%
- 5 Glass tilting and leveling mechanism: P.P + GF 20%
- 6 Triple locking mechanism (3-action): P.P + GF 20%
- 7 Sealing gaskets: EPDM
- 8 Leveling & elevation legs (for concrete floor) Galvanized and powder-coated steel
- 9 fastening kit: 8mm bolt, washers & nut ,per 3 meters
- 10 Casting height marker
- 11 Drainage holes (to be coordinated with client)
- 12 Concrete screw 6x80 mm + chemical anchor + HILTI + nut + washer
- 13 Drainage pipe Ø12-14 mm

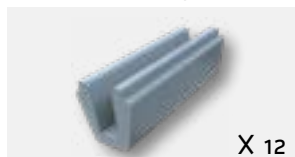
### Glass Kit 3.0m

#### Leveling & Alignment Mechanism



X 6

#### Cover Clips



X 12

#### Triple Action Locking Mechanism



X 12

#### Epdm Sealing Gasket



2 X 3.00 m

#### Glass Back Support



X 12

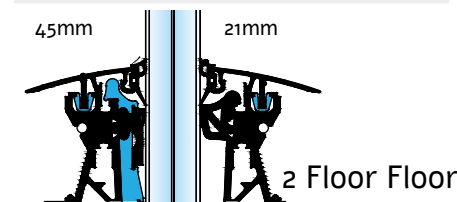
#### Epdm Glass Spacers



1 x 10 cm

\* Must be cut by the installer

### Cover Sets Options



Cast  
Profile  
Support

x6

### Order Kit

Casting Profile - Anodized	TK-8250
Glass Kit - 8 + 0.89 SGP + 8	GK-16.89
Glass Kit - 8 + 1.52 SGP + 8	GK-17.52
Glass Kit - 10 + 0.89 SGP + 10	GK-20.89
Glass Kit - 10 + 1.52 SGP + 10	GK-21.52
Floor Floor - Cover	TTC62-1

\*\* Different finishes are available upon request.

\*\*\* For End Caps, Handrails & Accessories - See page 28 - 30 of this manual.

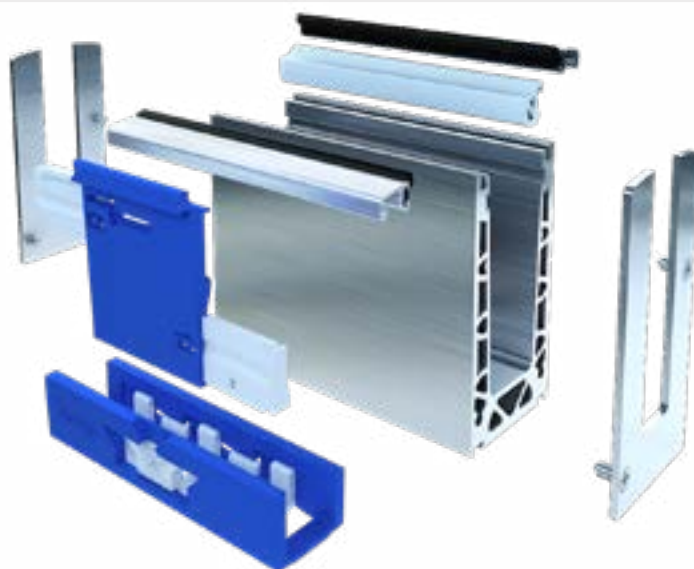






**3 KN PROFILES**





## SEGMENTED HEAVY / FINE PROFILE



### TK-8290

 Order Kit	
Segmented heavy profile - Brushed anodized	TK-8250
Glass Kit - 8 + 0.89 SGP + 8	GK-16.89
Glass Kit - 8 + 1.52 SGP + 8	GK-17.52
Glass Kit - 10 + 0.89 SGP + 10	GK-20.89
Glass Kit - 10 + 1.52 SGP + 10	GK-21.52
Top Top Cover	TTC62-1
Top Cover - Floor	TFC62-2

### TK-6290

 Order Kit	
Segmented fine profile - Brushed anodized	TK-6290
Glass Kit - 8 + 0.89 SGP + 8	GK-16.89
Glass Kit - 8 + 1.52 SGP + 8	GK-17.52
Glass Kit - 10 + 0.89 SGP + 10	GK-20.89
Glass Kit - 10 + 1.52 SGP + 10	GK-21.52
Top Top Cover	TTC62-1
Top Cover - Floor	TFC62-2

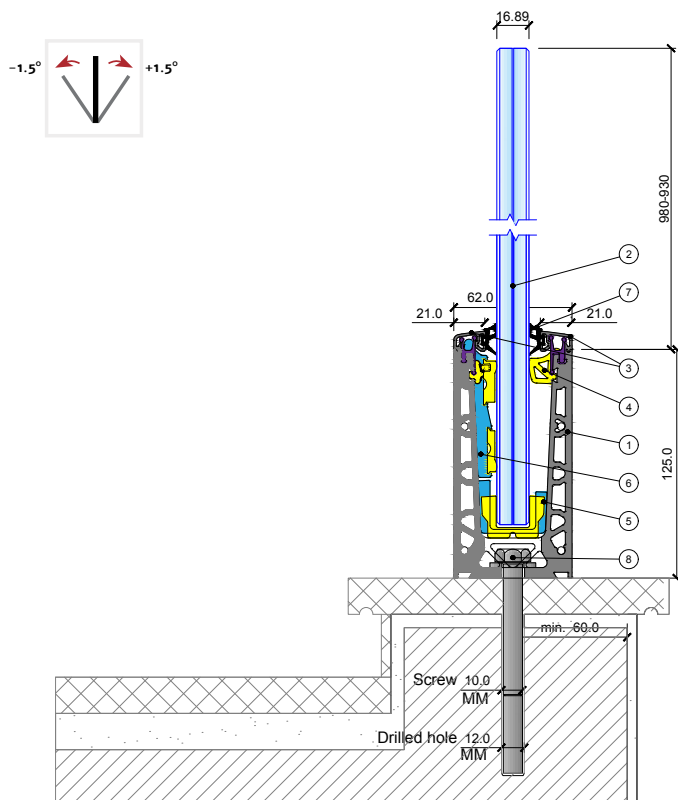
\*\* Different finishes are available upon request.

\*\*\* For End Caps, Handrails & Accessories - See page 28 - 30 of this manual.



# TK-6200 part | TK-6200 profile

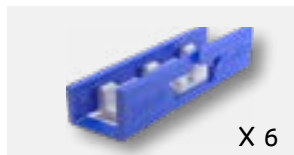
## FINE PROFILE 1.5 KN TOP MOUNT



- 1 Profile TK-6200
- 2 Compatible with glass using SGP lamination:  
 $8 + 0.89 + 8$   
 $8 + 1.52 + 8$   
 $10 + 0.89 + 10$   
 $10 + 1.52 + 10$
- 3 Aluminum top cover rail
- 4 Rear stabilization profile for glass: P.P + GF 20%
- 5 Glass tilting and leveling mechanism: P.P + GF 20%
- 6 Triple locking mechanism (3-action): P.P + GF 20%
- 7 Sealing gaskets: EPDM
- 8 Stainless steel threaded rod M10/170 + chemical anchor + HILTI + nut + washer

### Glass Kit 3.0m

Leveling & Alignment Mechanism



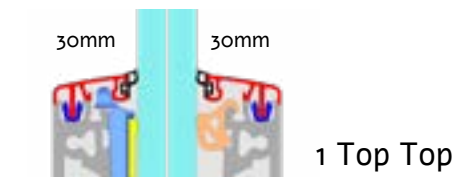
Triple Action Locking Mechanism



Glass Back Support



### Cover Sets Options



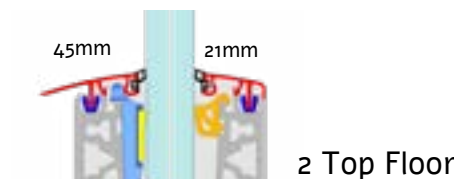
Cover Clips



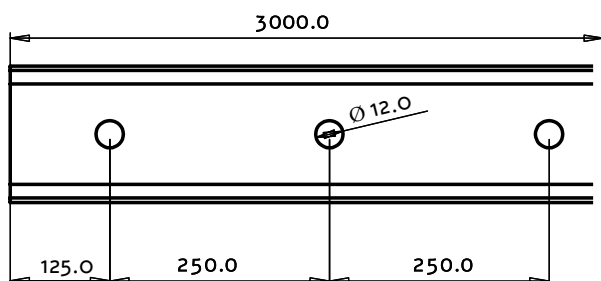
Epdm Sealing Gasket



Epdm Glass Spacers



\* Must be cut by the installer



### Order Kit

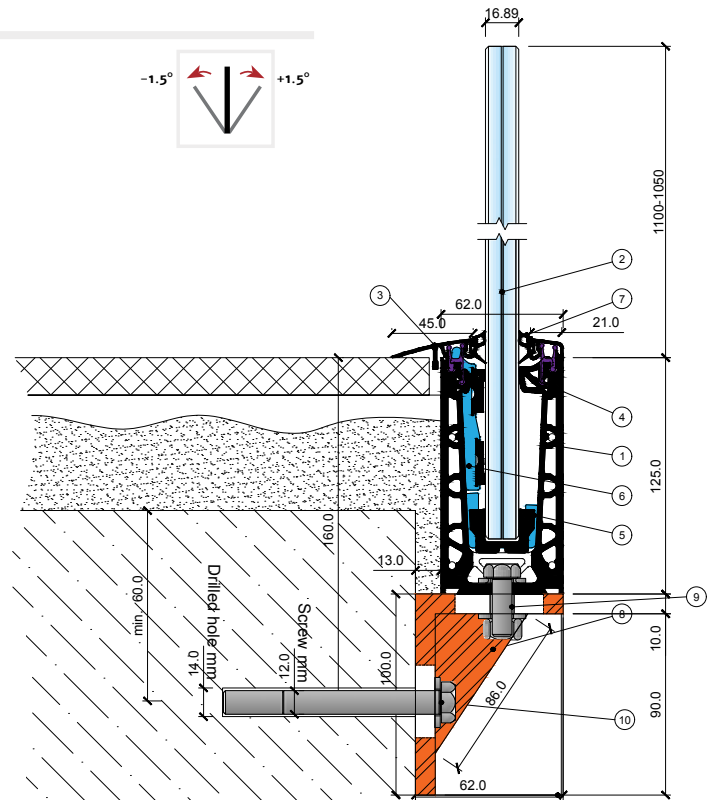
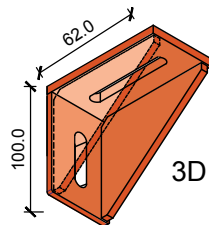
Fine Profile Cantilever Top Side Mount - Brushed anodized	TK-6200
Glass Kit - 8 + 0.89 SGP + 8	GK-16.89
Glass Kit - 8 + 1.52 SGP + 8	GK-17.52
Glass Kit - 10 + 0.89 SGP + 10	GK-20.89
Glass Kit - 10 + 1.52 SGP + 10	GK-21.52
Top Top - Cover	TTC62-1
Top Floor - Cover	TFC62-2

\*\* Different finishes are available upon request.

\*\*\* For End Caps, Handrails & Accessories - See page 28 - 30 of this manual.



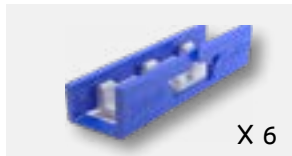
- 1 Profile TK-6200
- 2 Compatible with glass using SGP lamination:  
8 + 0.89 + 8  
8 + 1.52 + 8  
10 + 0.89 + 10  
10 + 1.52 + 10
- 3 Aluminum top cover rail
- 4 Rear stabilization profile for glass: P.P + GF 20%
- 5 Glass tilting and leveling mechanism: P.P + GF 20%
- 6 Triple locking mechanism (3-action): P.P + GF 20%
- 7 Sealing gaskets: EPDM
- 8 Steel base plate, 10 mm thick, galvanized & powder coated, spaced @250 mm c/c
- 9 Hexagon head bolt M10/35 + nut + 2 washers
- 10 Stainless steel threaded rod M12/170 + chemical anchor + HILTI + nut + washer



### Glass Kit 3.0m

### Cover Sets Options

#### Leveling & Alignment Mechanism



X 6

#### Triple Action Locking Mechanism

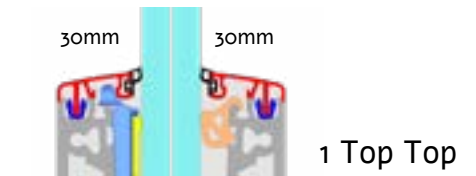


X 12

#### Glass Back Support



X 12



#### Cover Clips



X 12

#### Epdm Sealing Gasket



2 X 3.00 m

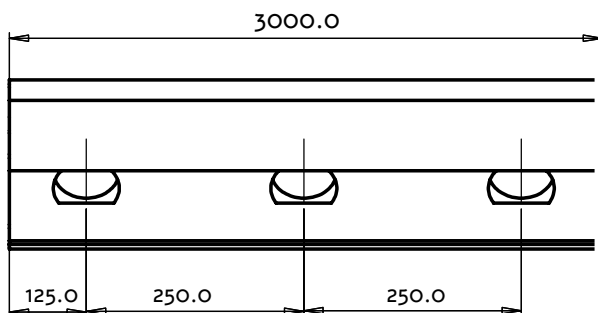
#### Epdm Glass Spacers



1 x 10 cm



\* Must be cut by the installer



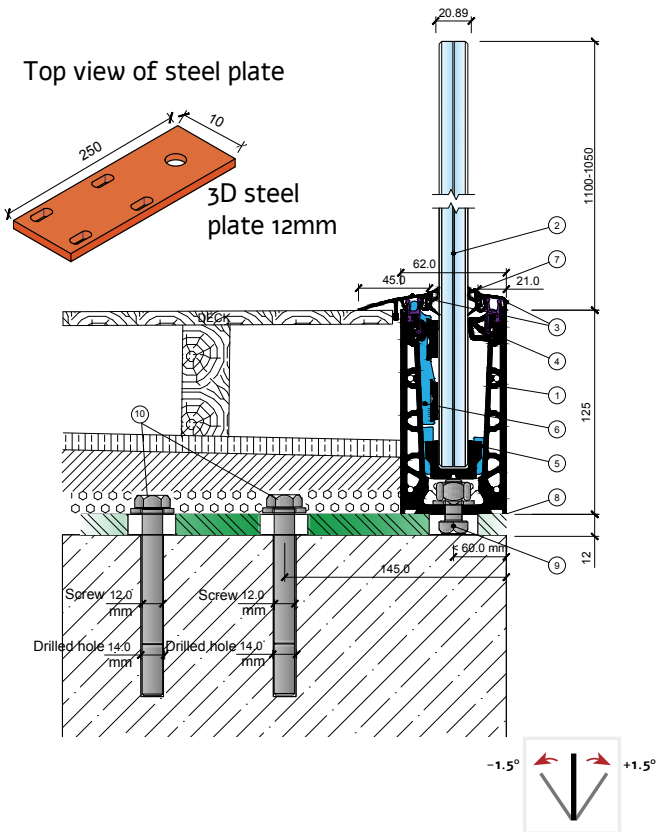
### Order Kit

Fine Profile Cantilever Top Side Mount - Brushed anodized	TK-6204
Glass Kit - 8 + 0.89 SGP + 8	GK-16.89
Glass Kit - 8 + 1.52 SGP + 8	GK-17.52
Glass Kit - 10 + 0.89 SGP + 10	GK-20.89
Glass Kit - 10 + 1.52 SGP + 10	GK-21.52
Top Top - Cover	TTC62-1
Top Floor - Cover	TFC62-2



## TK-6208 part | TK-6200 profile

# FINE PROFILE 1.5 KN FOOT MOUNT



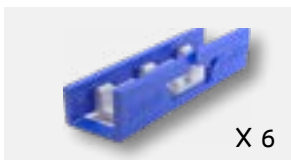
- 1 Profile TK-6200
- 2 Compatible with glass using SGP lamination:  
8 + 0.89 + 8  
8 + 1.52 + 8  
10 + 0.89 + 10  
10 + 1.52 + 10
- 3 Aluminum top cover rail
- 4 Rear stabilization profile for glass: P.P + GF 20%
- 5 Glass tilting and leveling mechanism:  
P.P + GF 20%
- 6 Triple locking mechanism (3-action):  
P.P + GF 20%
- 7 Sealing gaskets: EPDM
- 8 Steel angle bracket, 12 mm thick, galvanized & powder coated, spaced @250 mm c/c
- 9 Hexagon head bolt M10/35 + nut + 2 washers
- 10 Stainless steel threaded rod M12/170 + chemical anchor + HILTI + nut + washer

\*Drawing Notes: Steel plate thickNess: 12 mm

## Glass Kit 3.0m

## Cover Sets Options

## Leveling & Alignment Mechanism



X 6

### Triple Action Locking Mechanism



X 12

## Glass Back Support



X 12

## Cover Clips



X 12

## Epdm Sealing Gasket



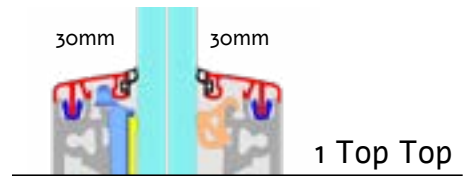
2 X 3.00 m

## Epdm Glass Spacers

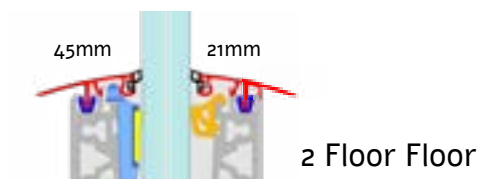


1 x 10 cm

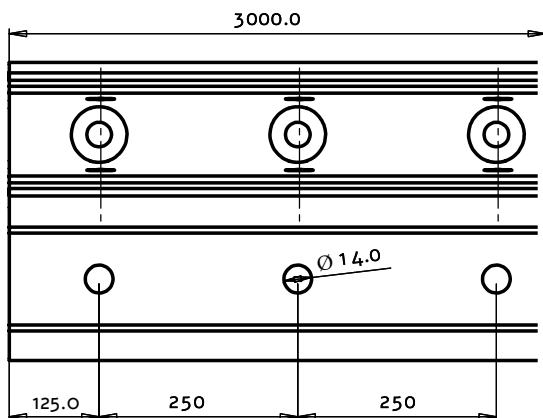
\* Must be cut by the installer



## 1 Top Top



## 2 Floor Floor

 **Order Kit**

Fine Profile Cantilever Top Side Mount -  
Brushed anodaized

TK-6208

Glass Kit - 8 + 0.89 SGP + 8

GK-16.89

Glass Kit - 8 + 1.52 SGP + 8

GK-17.52

Glass Kit - 10 + 0.89 SGP + 10

GK-20.89

Glass Kit - 10 + 1.52 SGP + 10

GK-21.52

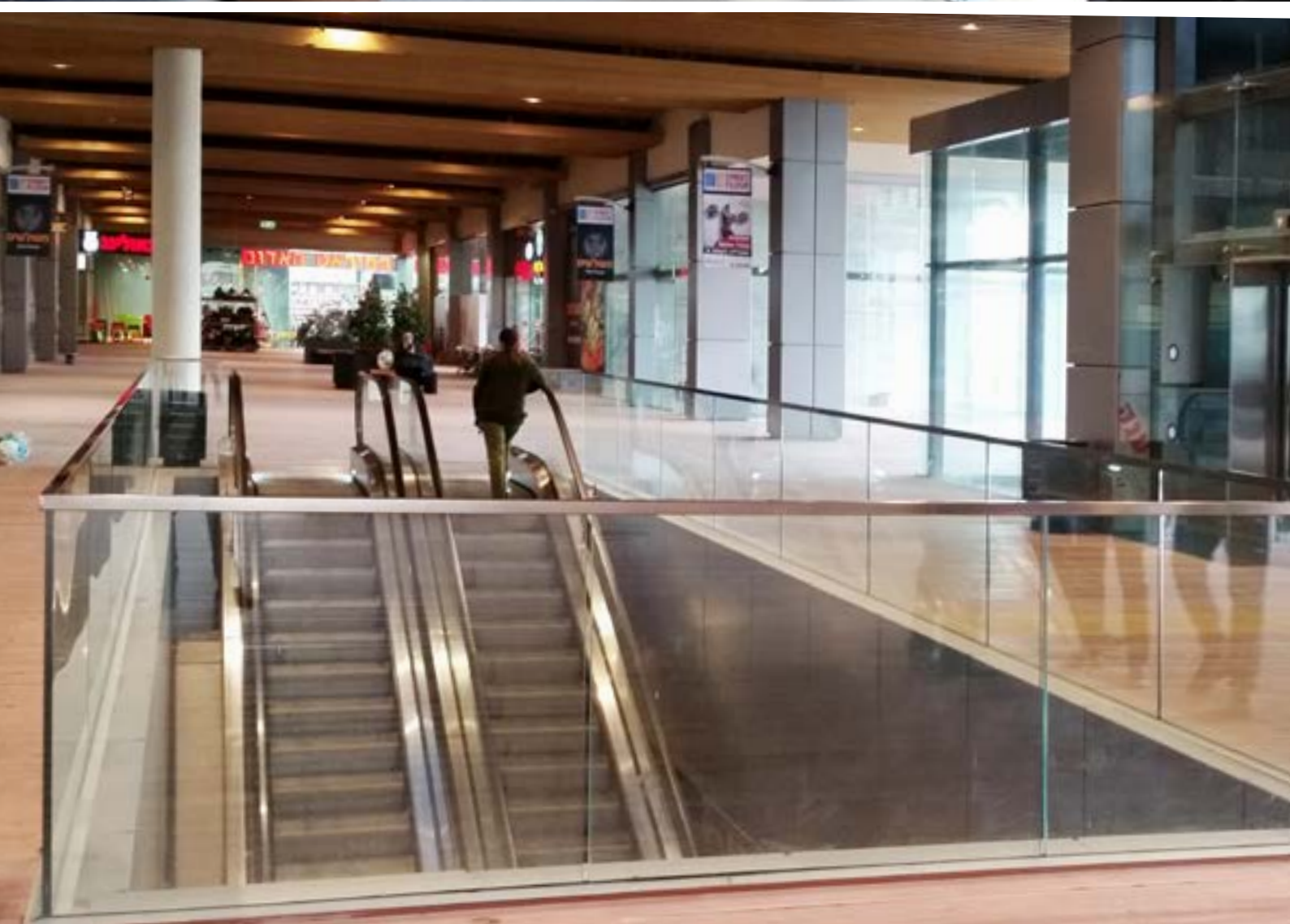
Top Top - Cover

TTC62-1

### Top Floor – Cover

TFC62-2

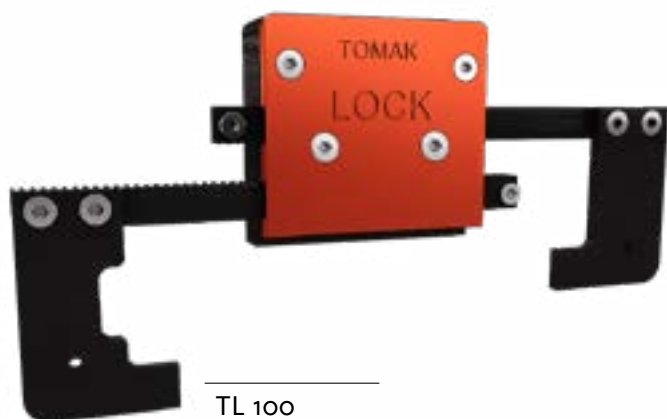




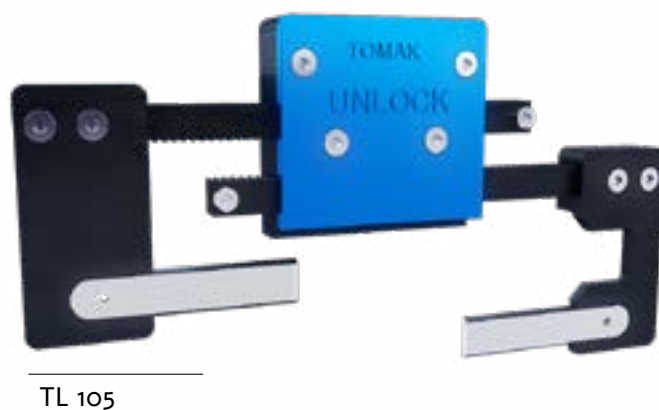


## TOMAK TOOL BOX (INCLUDED)

### Lock



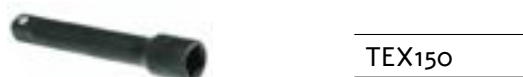
### UnLock



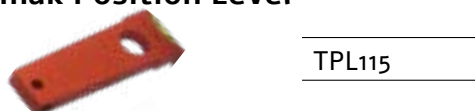
### Tomak Aligment Handle



### Tomak Extention Soket Bolt 1/2



### Tomak Position Level



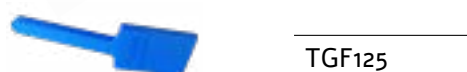
### Tomak Hammer



### Tomak Rachet 1/2 Lock



### Tomak Glass Fixing Handle



### Tomak Power Liver 1/2X500



### Tomak Glass Clamp



### Tomak Sockets Bolt







## Extention Square Profile Conector



250 Corner  
1 X 4 Set



255 Straight  
1 X 4 Set

## Shims



SH 82-1.5

SH 82-3.0

SH 82-6.0

SH 62-1.5

SH 62-3.0

SH 62-6.0

## Chemical Gun



## Plastic Cover Protective



8260

6260

unit 1.0 m long  
set of 3 units





## Top profile cover end



End cap TK8220



End cap TK6220



End cap TK8220



available upon request

## Industrialized corners

Fits 3.0KN Profile



TK 8200

Fits 1.5.0KN Profile

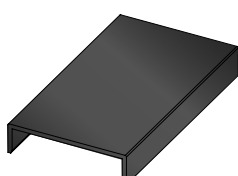
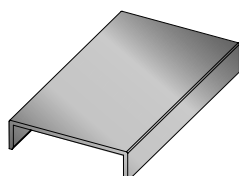


TK 6200

Fits Casting Profile



TK 8250



Top profile cover for glass 10+10 / 12+12



Reportnumber 89211059-02 | 12th January 2016  
16.A352 - EN1991-1-1



## Testresults

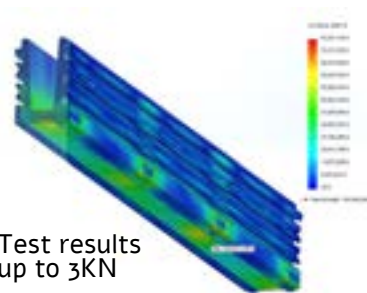
Test results after execution of the test(s) according to National Annex A, Static horizontal loads on parapets and wall partitions acting as barriers and National Annex B, Impact loads on parapets and wall partitions acting as barriers at a difference of heights of EN 1991-1-1 [1, 2]:

### National Annex A, Static horizontal loads

Requirement	Description of the requirement	Pass/ Fail/ n.a.																					
EN 1991-1-1+National Annex A	If a partition wall, acting as barrier is mandatory for a difference in height with the surrounding floor, the surrounding terrain, or the surrounding water, a separate line load ( $q_k$ ) and a concentrated load $F_k$ , must be applied.																						
	<table border="1"> <thead> <tr> <th>Rooms</th><th colspan="2"><math>q_{rep}</math></th></tr> <tr> <th></th><th>Recommended value</th><th>Test-value</th></tr> </thead> <tbody> <tr> <td>Table 6.12 Rooms category A</td><td>0,5 kN/m 1 min</td><td></td></tr> <tr> <td>Rooms category B, C1</td><td>0,5 kN/m 1 min</td><td></td></tr> <tr> <td>Rooms category C2 to C4 and D</td><td>1,0 kN/m 1 min</td><td>1,15kN</td></tr> <tr> <td>Rooms category C5</td><td>3,0 kN/m 5 min</td><td>3,45kN</td></tr> <tr> <td>An additional load was tested for future applications up to 4,35kN/m1, where the maximum value of the scale is 5,00kN. Higher loads are possible, but this could not be tested.</td><td>4,35 kN/m 5 min</td><td>5,00kN</td></tr> </tbody> </table>	Rooms	$q_{rep}$			Recommended value	Test-value	Table 6.12 Rooms category A	0,5 kN/m 1 min		Rooms category B, C1	0,5 kN/m 1 min		Rooms category C2 to C4 and D	1,0 kN/m 1 min	1,15kN	Rooms category C5	3,0 kN/m 5 min	3,45kN	An additional load was tested for future applications up to 4,35kN/m1, where the maximum value of the scale is 5,00kN. Higher loads are possible, but this could not be tested.	4,35 kN/m 5 min	5,00kN	
Rooms	$q_{rep}$																						
	Recommended value	Test-value																					
Table 6.12 Rooms category A	0,5 kN/m 1 min																						
Rooms category B, C1	0,5 kN/m 1 min																						
Rooms category C2 to C4 and D	1,0 kN/m 1 min	1,15kN																					
Rooms category C5	3,0 kN/m 5 min	3,45kN																					
An additional load was tested for future applications up to 4,35kN/m1, where the maximum value of the scale is 5,00kN. Higher loads are possible, but this could not be tested.	4,35 kN/m 5 min	5,00kN																					
		n.a.																					
		n.a.																					
		Pass																					
		Pass																					
		Pass																					



Strength Analysis



Test results up to 3kN

Reportnumber 89211059-03 | 12th January 2016  
16.A352 - EN1991-1-1



### National Annex B, Impact loads on parapets and partition walls acting as barrier.

Test	Horizontal place impact soft body	Drop height in meters	Height of impact from underside construction (floor level) in mm	Dim. W x H in mm
1	Middle of width and appr. 15cm below the upper edge of sample	1,00 m	Appr. 950 mm	1150x1100mm



Requirement nr.	Description of requirement	Pass/ Fail/ n.a.
NEN-EN 1991-1-1+National Annex B	If a partition wall, acting as barrier is mandatory for a difference in height with the surrounding floor, the surrounding terrain, or the surrounding water, the prescribed impact load must be determined.	
	<b>Gemeten/beoordeeld</b>	
NEN-EN 1991-1-1+National Annex B	The construction is capable of withstanding the impact load, if the soft body impactor is not penetrating the construction.	Pass
NEN-EN 1991-1-1+National Annex B	...and after execution of the test, the residual strength and consistency of the construction is still intact	Pass





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Sigstar | Branding & Graphic design

Metric (mm) edition

US  
patent



US 16/331, 194

EU  
patent



EP17848291.5



cat v. 4 12/2025



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