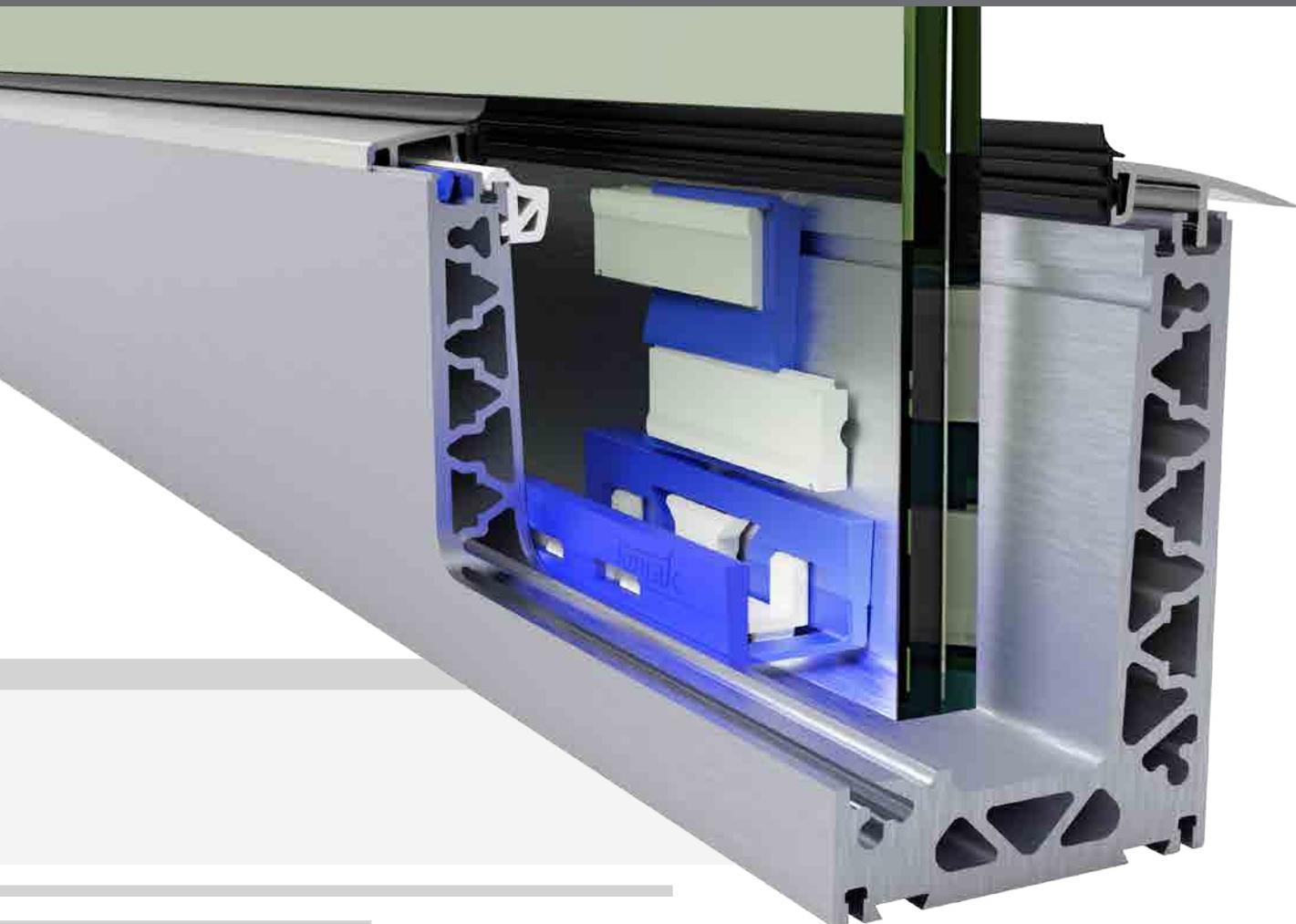


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& ON - SITE SOLUTIONS  
**2026**



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US 16/331, 194



EP17848291.5



## ABOUT US



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 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.



**Simon Bieler**  
President & CEO.

**mobile:** +972-52-3054141  
simon.tomak@gmail.com



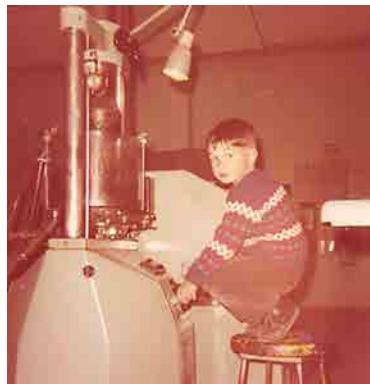
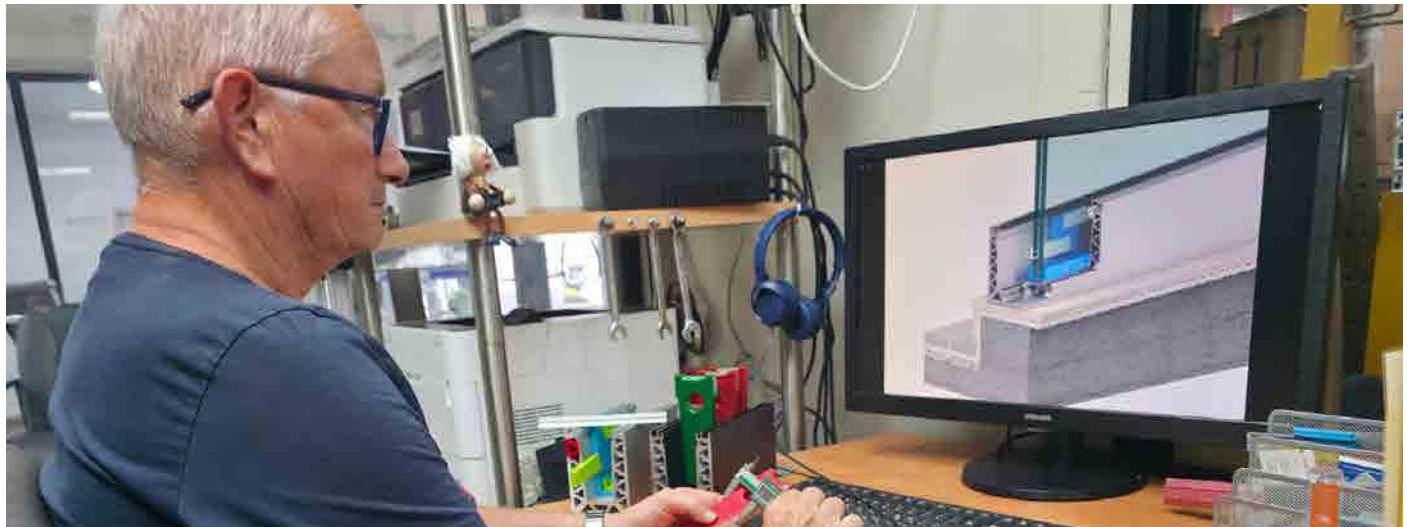
**Orly Bieler**  
VP & CFO.

**mobile:** +972-52-3053131  
orly.tomak@gmail.com



**Tom Bieler**  
VP Regional marketing

**mobile:** +972-54-6115313  
tomb.tomak@gmail.com



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

### 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.



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 glazing 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

		European Patent Office 80298 MUNICH GERMANY
Questions about this communication? Contact Customer Services at <a href="http://www.epo.org/contact">www.epo.org/contact</a>		
Pearl Cohen Zedek Latzer Baratz UK LLP The Gridiron Building One Pancras Square London WC1N 4AG ROYAUME UNI		
Date 08.05.2025		
Reference P-80361-EP Application No./Patent No. 17848291.5 - 1005 / 3510231 Applicant/Proprietor Tomak Ltd.		
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 <a href="https://data.epo.org/publication-server/">https://data.epo.org/publication-server/</a> (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		

<b>EUROPÄISCHES PATENT   EUROPEAN PATENT BREVET EUROPÉEN</b>	
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 Etats contractants désignés dans le fascicule.	
European Patent No. European patent No. brevet européen n°	Tag der Bekanntmachung des Patenten auf die Erteilung des europäischen Patents Date of publication of the notice of the grant of the European patent Date de la publication de la mention de la délivrance du brevet européen
<b>EP3510231</b>	
<b>23.04.2025</b>	
<b>SYSTEM AND METHOD FOR PLATE ALIGNMENT</b>	
Patentinhaber   Proprietor(s) of the patent   Titulaire(s) du brevet	
Tomak Ltd. Moshav Regba 2280400 Moshav Regba IL	
Antonio Campinos President des Europäischen Patentamts   President of the European Patent Office   Président de l'Office européen des brevets München, den 23.04.2025	

## USA CERTIFICATION

<b>United States Patent</b> Bieler et al.	
(10) Patent No.: US 11,220,823 B2 (45) Date of Patent: Jan. 11, 2022	
(54) SYSTEM AND METHOD FOR PLATE ALIGNMENT (56) References Cited	
U.S. PATENT DOCUMENTS	
4,763,453 A 8/1988 Hogan, Jr. 4,920,717 A 5/1990 Hooyer et al. 5,057,279 B1 10/1991 Balmer et al. 5,657,279 B2 * 5/2001 Balmer et al. 10,718,117 B2 * 7/2020 Noble	
(Continued)	
FOREIGN PATENT DOCUMENTS	
DE 20 2013 104 350 12/2013 2479352 12/2012	
(Continued)	
OTHER PUBLICATIONS	
International Search Report of Application No. PCT/IL2017/05104 051014 dated Dec. 4, 2017. (Continued)	
Primary Examiner — Patrick J Maciori (56) Attorney, Agent, or Firm — Pearl Cohen Zedek Latzer Baratz LLP PCT Pub. No.: WO2018/047179 PCT Pub. Date: Mar. 15, 2018	
(57) ABSTRACT	
A plate stabilizing device is configured to couple with an external U-shaped plate profile defining a slot and an external segment corresponding in shape to the external U-shaped plate profile and configured to fit therein. The external segment includes a socket adapted to at least partially accommodate an external alignment tool through a passage serving as a receiving port for the external alignment tool, and an internal segment that is configured to accommodate a bottom portion of the plate. The internal segment comprising an alignment tool wedge-like portion capable of accommodating a tip of the alignment tool.	
(58) Prior Publication Data US 2019/0218786 A1 Jul. 18, 2019	
(51) Int. CL E04F 11/1818 (2006.01)	
(52) U.S. CL E04F 11/1812 (2013.01); E04F 11/1833 (2013.01); E04F 20/17895 (2013.01)	
(58) Field of Classification Search CPC E04F 11/1812; E04F 11/1833; E04F 20/17895; D06B 3/04	
See application file for complete search history.	
14 Claims, 11 Drawing Sheets.	

<b>UNITED STATES PATENT AND TRADEMARK OFFICE</b>				
UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov				
APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY/DOCKET NO.	CONFIRMATION NO.
16/311,194	01/11/2022	11220823	P-80361-US	5862
44445	7590	11220823		
Pearl Cohen Zedek, Latzer Baratz LLP 7 Times Square, 19th Floor New York, NY 10036				
<b>ISSUE NOTIFICATION</b>				
The projected patent number and issue date are specified above. <b>Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)</b> (application filed on or after May 29, 2000) The Patent Term Adjustment is 307 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page. If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA. Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site ( <a href="http://pair.uspto.gov">http://pair.uspto.gov</a> ). Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200. <b>INVENTOR(S)</b> (Please see PAIR WEB site <a href="http://pair.uspto.gov">http://pair.uspto.gov</a> for additional inventors): Simon Luis BIELER, Nahariya, ISRAEL; Ido DRUKIER, Nahariya, ISRAEL; <b>APPLICANT(S)</b> (Please see PAIR WEB site <a href="http://pair.uspto.gov">http://pair.uspto.gov</a> for additional applicants): TOMAK LTD., Moshav Regba, ISRAEL.				
The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The USA offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to encourage and facilitate business investment. To learn more about why the USA is the best country in the world to develop technology, manufacture products, and grow your business, visit <a href="http://SelectUSA.gov">SelectUSA.gov</a> .				

## 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

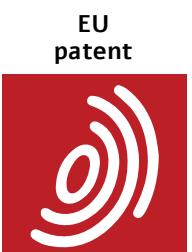
- \* Universal profile • Minimal stock • Maximum efficiency.
- \* Multiple clip-on cover options – compatible with every facade and wall finish.
- \* Smart & Easy Balustrade Solutions – Backed by Decades of Experience
- \* Cantilever mount for a clean, floating look.
- \* Unique alignment mechanism **Patent** – 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 16/331, 194



EP17848291.5

## SMART SYSTEM POSITIONING, LEVEL & LOCK SMART SYSTEM

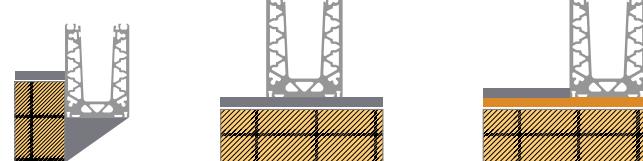

 TK 8200 – 8208  
Commercial  
3.0 KN & more

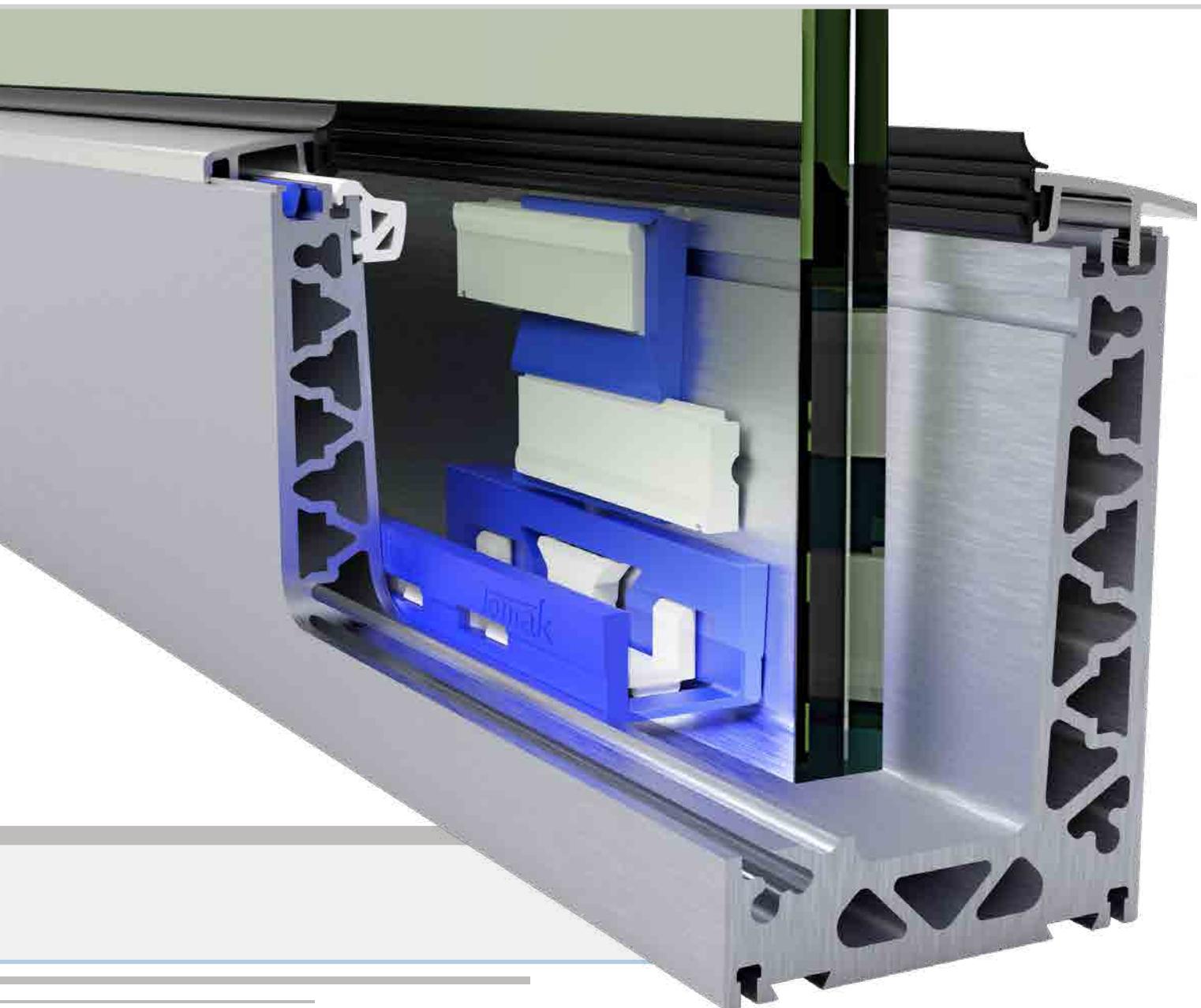
 TK 8400 – 8408  
Commercial  
3.0 KN & more

 TK 6200 – 6208  
Residential  
1.5KN & more

 TK 8250  
Casting  
3.0 KN & more

### POSITION Universal Channel

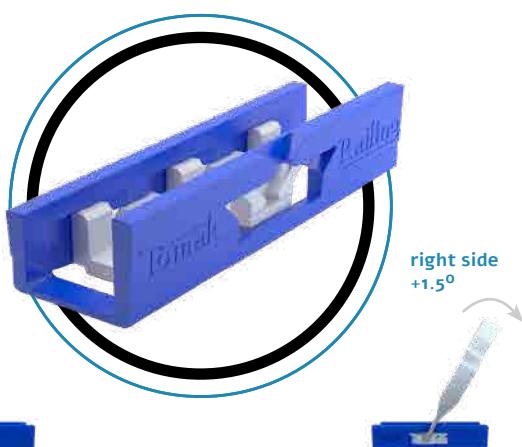




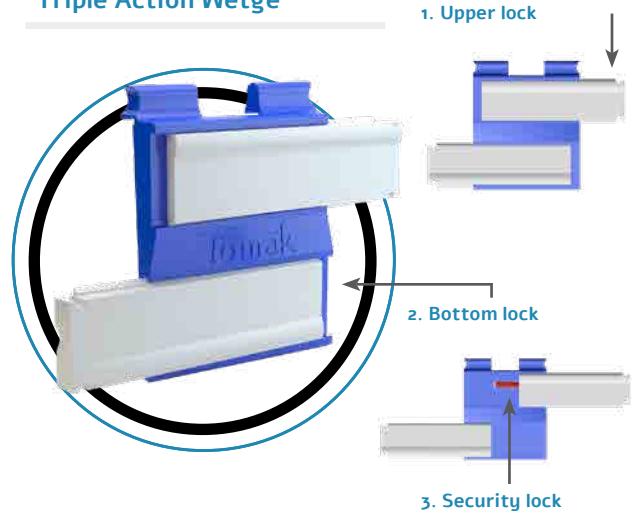
Alignment Handle



**LEVEL**  
Alignment Mechanism



**LOCK**  
Triple Action Wedge



## PRODUCTS INDEX

**TK-8400 – 3.0 KN profile  
for 15/32" + 1/16" SGP + 15/32" glass**

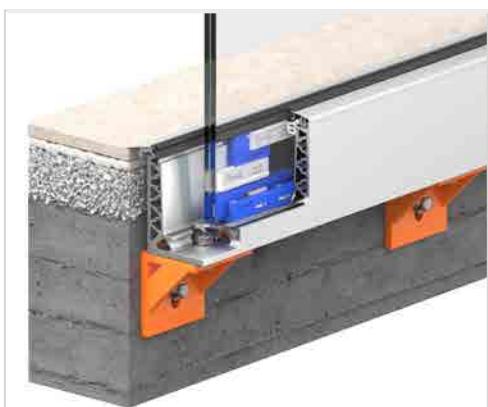


**TK-8400**  
Heavy Profile  
3.0 KN Top Mount  
[p.12](#)

**TK-8200 – 3.0 KN profile  
for 3/8" + 1/16" SGP + 3/8" 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 3/8" + 1/16" SGP + 3/8" glass**



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

**Casting profile**



**TK-8250**  
Casting  
Profile  
3.0 KN  
[p.21 'ny](#)

**SEGMENTS**



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



**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](#)



**Installation instructions**

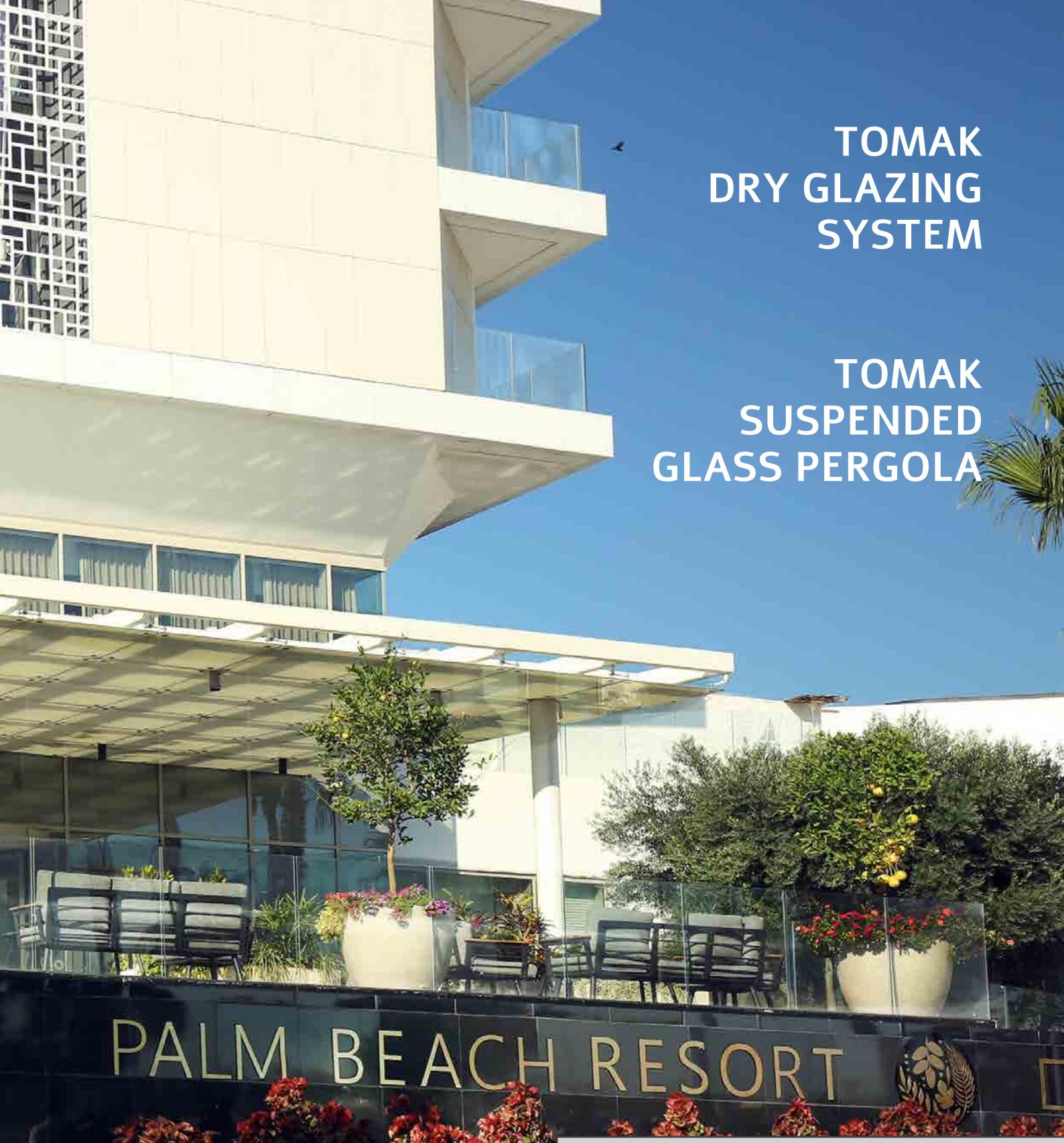


**TK-6208**  
Fine profile  
1.5 KN  
foot mount  
[p.26](#)

\*Images are for illustration purposes only.



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



**TOMAK  
DRY GLAZING  
SYSTEM**

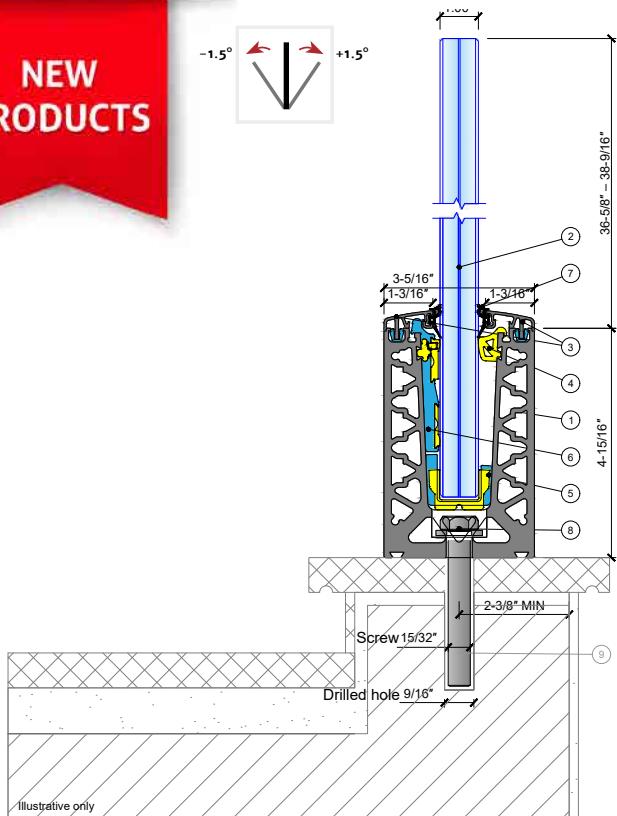
**TOMAK  
SUSPENDED  
GLASS PERGOLA**

**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: 15/32" + "1/16" + 15/32"
- 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 1/2"-13 unc x 6-11/16" + chemical anchor + Hilti + nut + washer

### Glass Kit 1/8" - 1/8"

Leveling & Alignment Mechanism



X 6

Triple Action Locking Mechanism



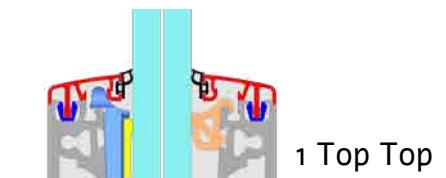
X 12

Glass Back Support



X 12

### Cover Sets Options



1 Top Top

Cover Clips



X 8

Epdm Sealing Gasket

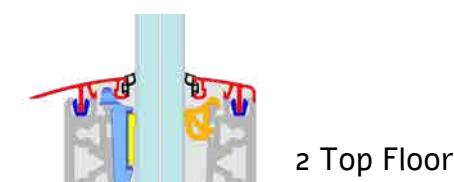


2 X 1/8-1/8"

Epdm Glass Spacers



1 X 3- 15/16"

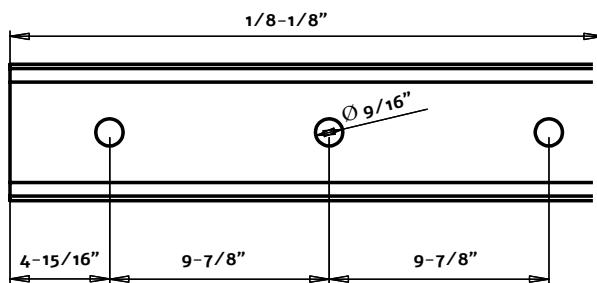


2 Top Floor

\* Must be cut by the installer

### Order Kit

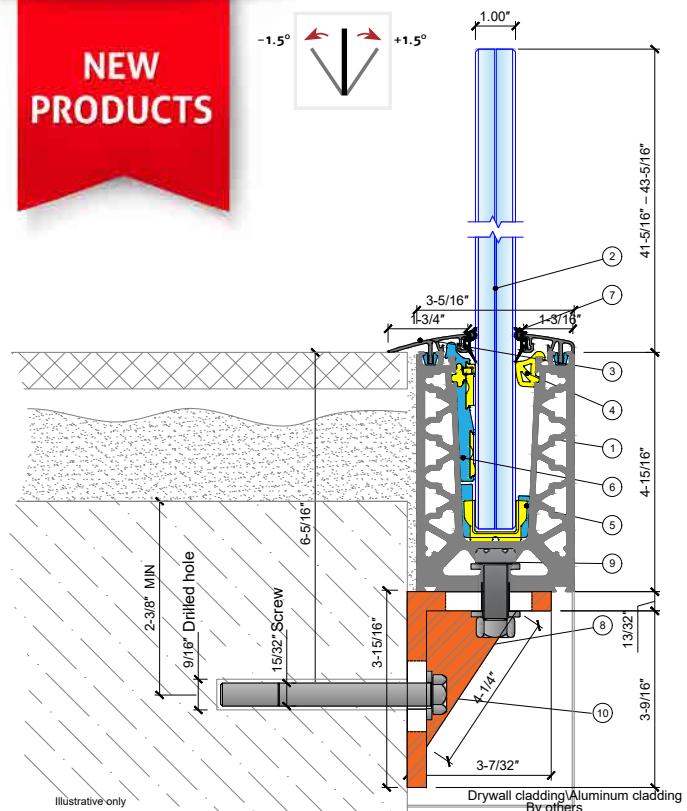
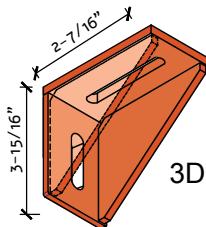
Heavy Profile Top Mount – Brushed anodaized	TK-8400
Glass Kit – 15/32" + 1/16" SGP + 15/32"	GK-1"
Top Top – Cover	TTC82-1
Top Floor – Cover	TFC82-2



\*\* 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 using SGP lamination:  $15/32" + 1/16" + 15/32"$
- 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,  $3/8"$  thick, galvanized & powder coated, spaced @  $9-7/8"$  c/c
- 9 Hexagon head bolt  $1/2"-13$  unc  $\times 1-3/8"$  + nut + 2 washers
- 10 Stainless steel threaded rod  $1/2"-13$  UNC  $\times 6-11/16"$  + chemical anchor + HILTI + nut + washer



### Glass Kit 1/8 – 1/8"

Leveling & Alignment Mechanism



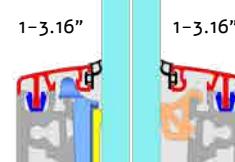
Triple Action Locking Mechanism



Glass Back Support



### Cover Sets Options



1 Top Floor

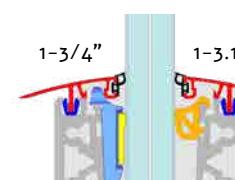
Cover Clips



Epdm Sealing Gasket



Epdm Glass Spacers



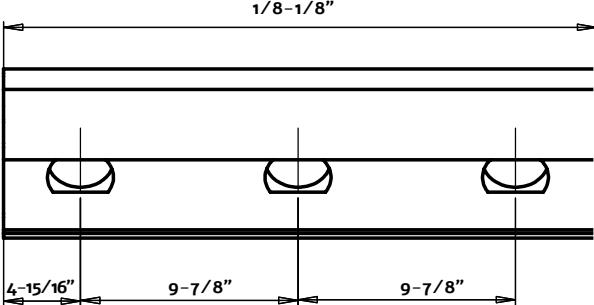
2 Top Floor

\* Must be cut by the installer

### Order Kit



Heavy Profile Side Mount – Brushed anodized	TK-8402
Glass Kit – $15/32" + 1/16" SGP + 15/32"$	GK-1"
Top Top – Cover	TTC82-1
Top Floor – Cover	TFC82-2



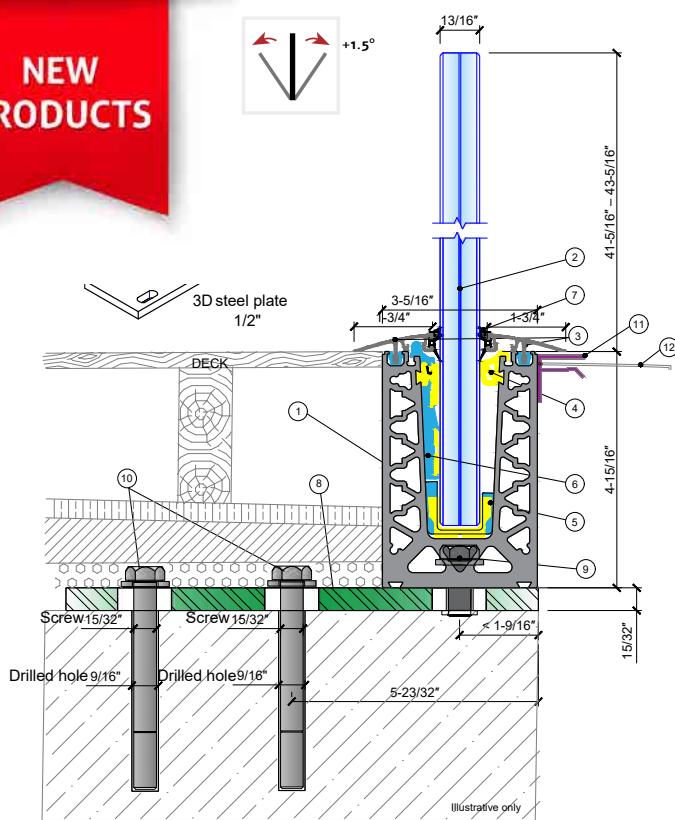
\*\* Different finishes are available upon request.

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

# TK-8408 part | TK-8400 profile

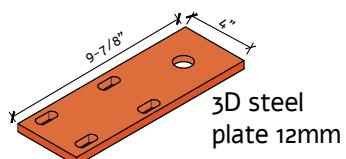
## Heavy Profile 3.0 KN (Installation on Steel Plate)

### NEW PRODUCTS



- 1 Profile: TK-8400
- 2 Compatible with glass using SGP lamination: 15/32" + 1/16" + 15/32"
- 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, 15/32" thick, galvanized & powder coated, spaced @ 9-7/8" c/c
- 9 Hexagon head bolt 3/8"-16 UNC x 1 3/8" + nut + 2 washer
- 10 Stainless steel threaded rod 1/2"-13 UNC x 6 3/4" + chemical anchor + HILTI + nut + washer

Top view of steel plate



### Glass Kit 1/8" - 1/8"

Leveling & Alignment Mechanism



X 6

Triple Action Locking Mechanism



X 12

Glass Back Support



Cover Clips



X 8

Epdm Sealing Gasket

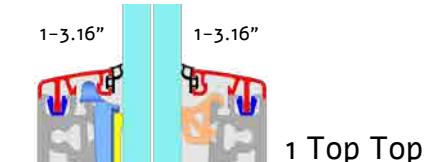


2 X 1/8-1/8"

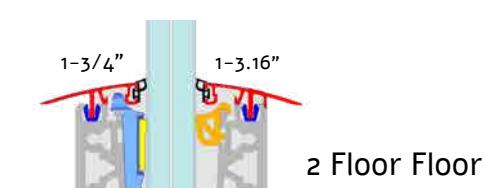
Epdm Glass Spacers



\* Must be cut by the installer



1 Top Top

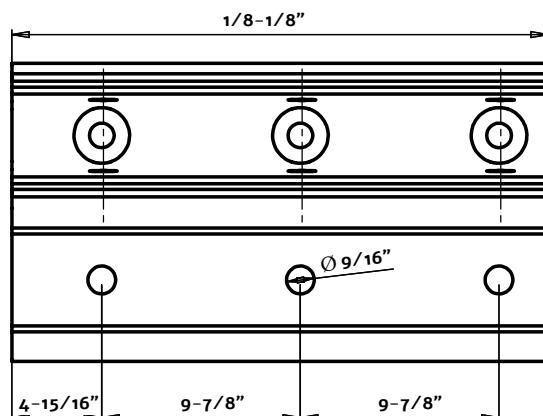


2 Floor Floor

### Order Kit



Heavy Profile Top Mount – Brushed anodized	TK-8400
Glass Kit – 15/32" + 1/16" SGP + 15/32"	GK-1"
Top Top – Cover	TTC82-1
Top Floor – Cover	TFC82-2



\*\* Different finishes are available upon request.

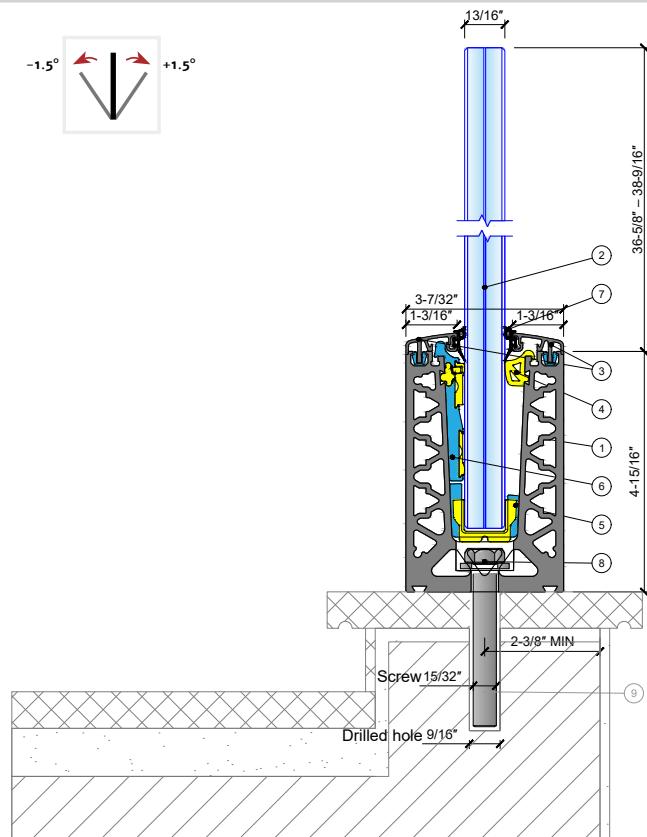
\*\*\* For End Caps, Handrails & Accessories – See page 28 – 30 of this manual.



**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:  
5/16" + 1/16" + 5/16"  
5/16" + 1/16" + 5/16"  
3/8" + 1/16" + 3/8"  
3/8" + 1/16" + 3/8"
- 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 1/2"-13 UNC x 6-11/16" + chemical anchor + HILTI + nut + washers

## Glass Kit 1/8" - 1/8"

Leveling & Alignment Mechanism



X 6

Triple Action Locking Mechanism



X 12

Glass Back Support



X 12

Cover Clips



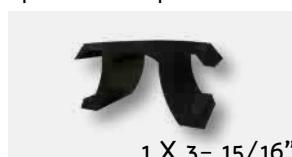
X 8

Epdm Sealing Gasket



2 X 1/8-1/8"

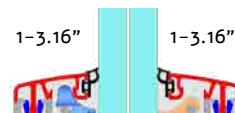
Epdm Glass Spacers



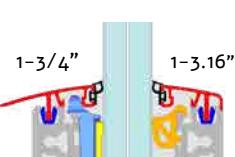
1 X 3- 15/16"

\* Must be cut by the installer

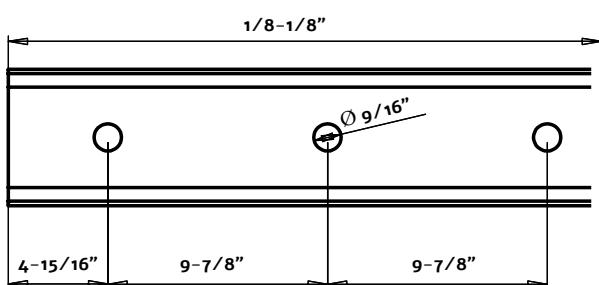
## Cover Sets Options



1 Top Top



2 Top Floor



## Order Kit

Heavy Profile Cantilever Top Side Mount -  
Brushed anodized

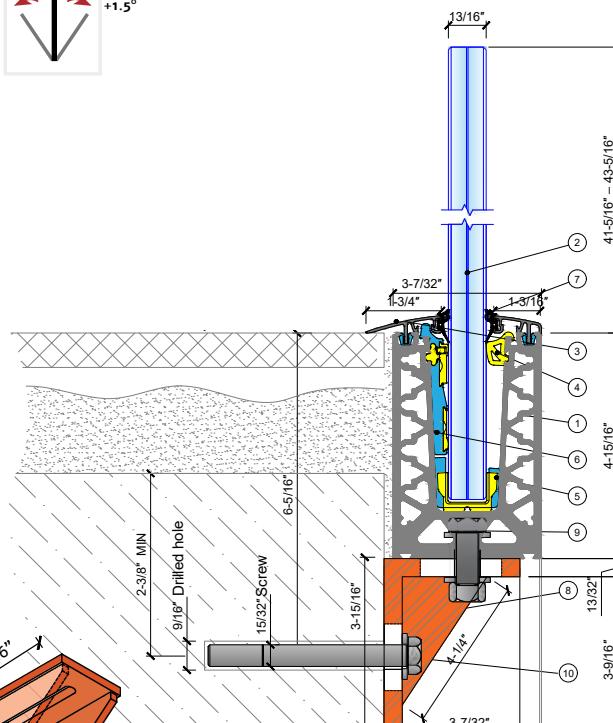
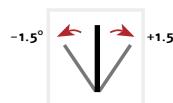
TK-8200

Glass Kit - 5/16" + 1/32" SGP + 5/16"	GK-21/32"
Glass Kit - 5/16" + 1/16" SGP + 5/16"	GK-11/16"
Glass Kit - 3/8" + 1/32" SGP + 3/8"	GK-13/16"
Glass Kit - 3/8" + 1/16" SGP + 3/8"	GK-27/32"
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:  
5/16" + 1/16" + 5/16"  
5/16" + 1/16" + 5/16"  
3/8" + 1/16" + 3/8"  
3/8" + 1/16" + 3/8"
- 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, 3/8" thick, galvanized & powder coated, spaced @ 9-7/8" c/c
- 9 Hexagon head bolt 1/2"-13 UNC x 1-3/8" + nut + 2 washers
- 10 Stainless steel threaded rod 1/2"-13 UNC x 6-11/16" + chemical anchor + HILTI + nut + washer



### Glass Kit 1/8 - 1/8"

3D

Leveling & Alignment Mechanism



Triple Action Locking Mechanism



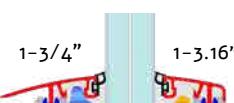
Glass Back Support



### Cover Sets Options



1 Top Top



2 Top Floor

\* Must be cut by the installer

### Order Kit

Heavy Profile Cantilever Top Side Mount -  
Brushed anodized



TK-8204

Glass Kit - 5/16" + 1/32" SGP + 5/16"

GK-21/32"

Glass Kit - 5/16" + 1/16" SGP + 5/16"

GK-11/16"

Glass Kit - 3/8" + 1/32" SGP + 3/8"

GK-13/16"

Glass Kit - 3/8" + 1/16" SGP + 3/8"

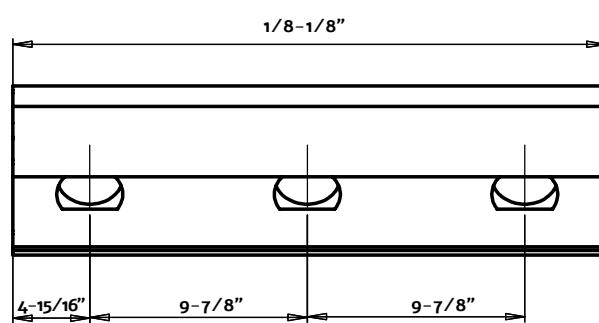
GK-27/32"

Top Top - Cover

TTC82-1

Top Floor - Cover

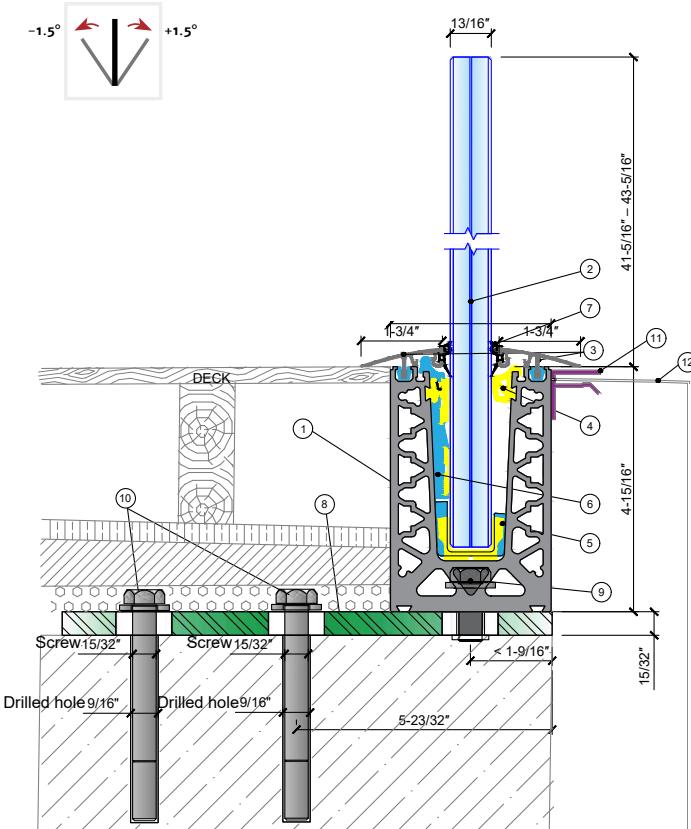
TFC82-2



\*\* Different finishes are available upon request.  
\*\*\* For End Caps, Handrails & Accessories - See page 28 - 30 of this manual.

# TK-8208 part | TK-8200 profile

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



- 1 Profile TK-8208
- 2 Compatible with glass using SGP lamination:  
5/16" + 1/32" + 5/16"  
5/16" + 1/32" + 5/16"  
3/8" + 1/32" + 3/8"  
3/8" + 1/32" + 3/8"
- 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, 15/32" thick, galvanized & powder coated, spaced @ 9-7/8" c/c
- 9 Hexagon head bolt 3/8"-16 UNC x 1 3/8" + nut + 2 washers
- 10 Stainless steel threaded rod 1/2"-13 UNC x 6 3/4" + chemical anchor + HILTI + nut + washer

Top view of steel plate

3D steel plate 12mm

### Glass Kit 1/8" - 1/8"

Leveling & Alignment Mechanism



Triple Action Locking Mechanism

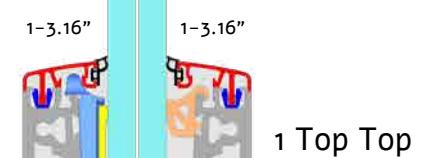


Glass Back Support



### Cover Sets Options

1 Top Top



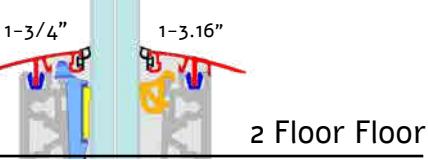
Cover Clips



Epdm Sealing Gasket



Epdm Glass Spacers



\* Must be cut by the installer

### Order Kit

Heavy Profile Cantilever Top Side Mount -  
Brushed anodized

TK-8208

Glass Kit - 5/16" + 1/32" SGP + 5/16"

GK-21/32"

Glass Kit - 5/16" + 1/16" SGP + 5/16"

GK-11/16"

Glass Kit - 3/8" + 1/32" SGP + 3/8"

GK-13/16"

Glass Kit - 3/8" + 1/16" SGP + 3/8"

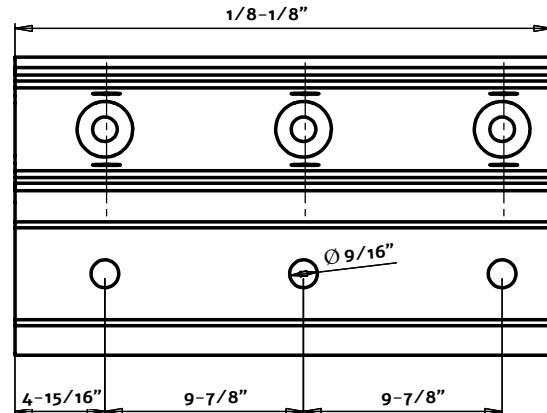
GK-27/32"

Top Top - Cover

TTC82-1

Top Floor - Cover

TFC82-2



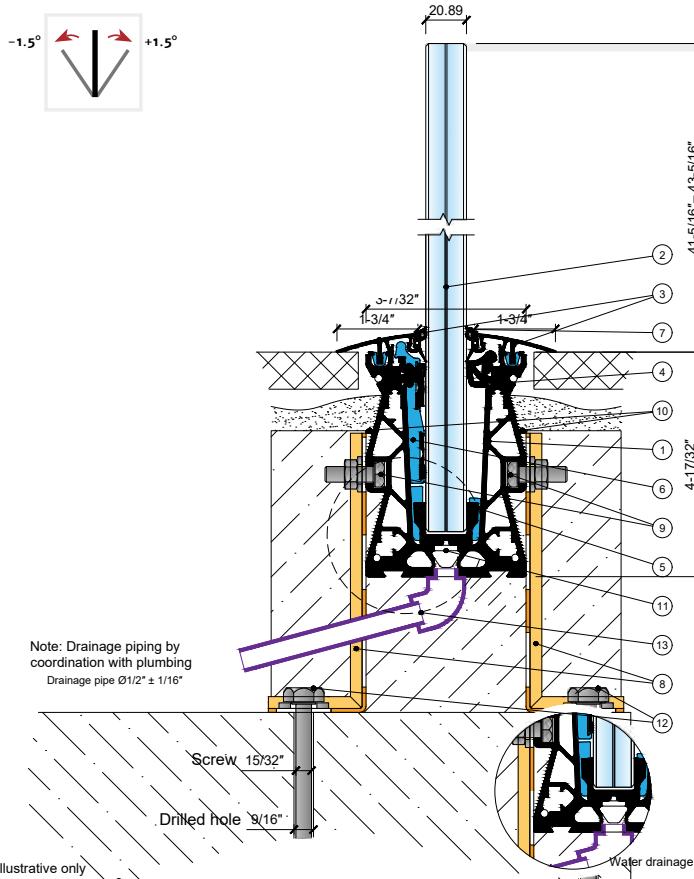
\*\* Different finishes are available upon request.

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





**CASTING PROFILE**



### Glass Kit 1/8" - 1/8"

Leveling & Alignment Mechanism



Triple Action Locking Mechanism



Glass Back Support



Cover Clips



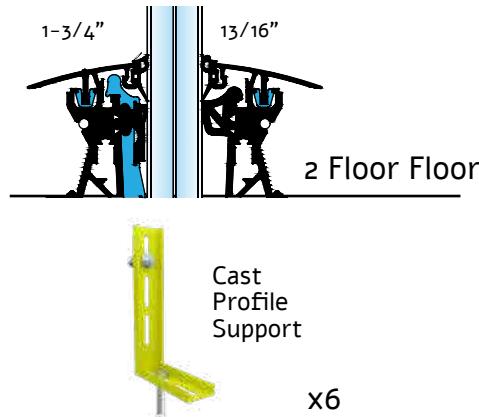
Epdm Sealing Gasket



Epdm Glass Spacers



### Cover Sets Options



\* Must be cut by the installer

### Order Kit

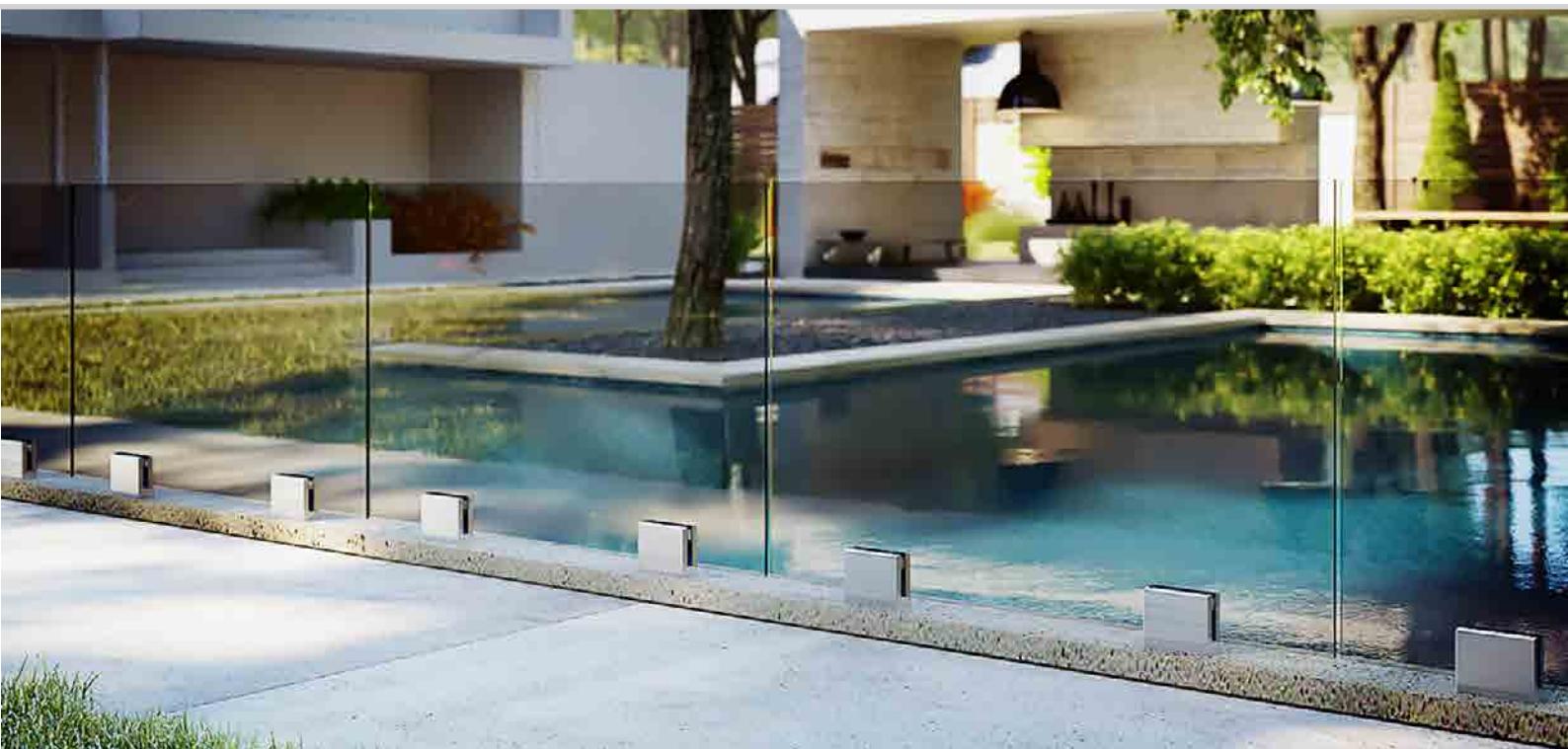
Casting Profile - Anodaized	TK-8250
Glass Kit - 5/16" + 1/32" SGP + 5/16"	GK-21/32"
Glass Kit - 5/16" + 1/16" SGP + 5/16"	GK-11/16"
Glass Kit - 3/8" + 1/32" SGP + 3/8"	GK-13/16"
Glass Kit - 3/8" + 1/16" SGP + 3/8"	GK-27/32"
Floor Floor - Cover	TTC62-1

\*\* Different finishes are available upon request.

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



**3 KN PROFILES**



### TK-8290

#### Order Kit

Segmented heavy profile - Brushed anodized	TK-8250
Glass Kit - 5/16" + 1/32" SGP + 5/16"	GK-21/32"
Glass Kit - 5/16" + 1/16" SGP + 5/16"	GK-11/16"
Glass Kit - 3/8" + 1/32" SGP + 3/8"	GK-13/16"
Glass Kit - 3/8" + 1/16" SGP + 3/8"	GK-27/32"
Top Top Cover	TTC62-1
Top Cover - Floor	TFC62-2

### TK-6290

#### Order Kit

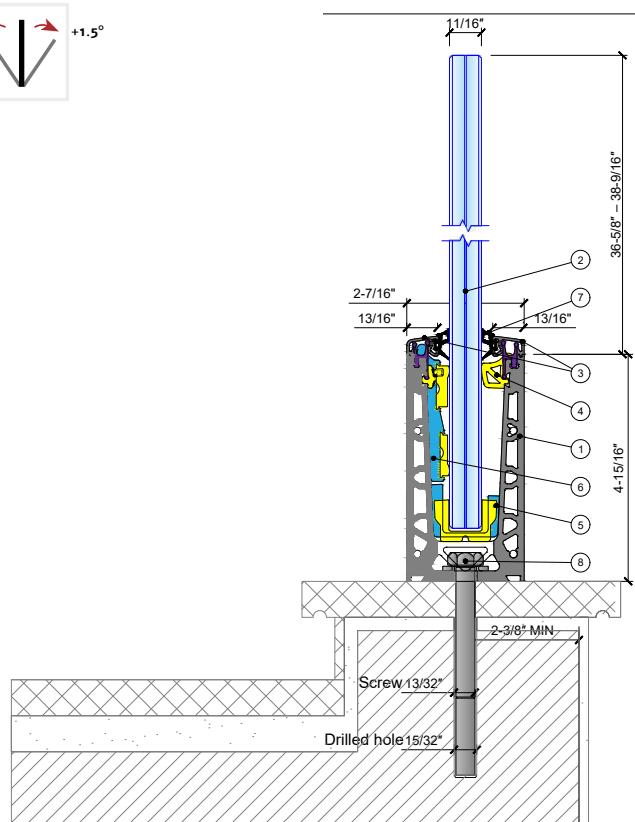
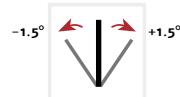
Segmented fine profile - Brushed anodized	TK-6290
Glass Kit - 5/16" + 1/32" SGP + 5/16"	GK-21/32"
Glass Kit - 5/16" + 1/16" SGP + 5/16"	GK-11/16"
Glass Kit - 3/8" + 1/32" SGP + 3/8"	GK-13/16"
Glass Kit - 3/8" + 1/16" SGP + 3/8"	GK-27/32"
Top Top Cover	TTC62-1
Top Cover - Floor	TFC62-2

\*\* 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



### Glass Kit 1/8 - 1/8"

Leveling & Alignment Mechanism



X 6

Triple Action Locking Mechanism



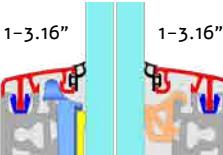
X 12

Glass Back Support

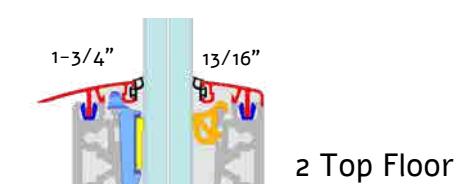


X 12

### Cover Sets Options

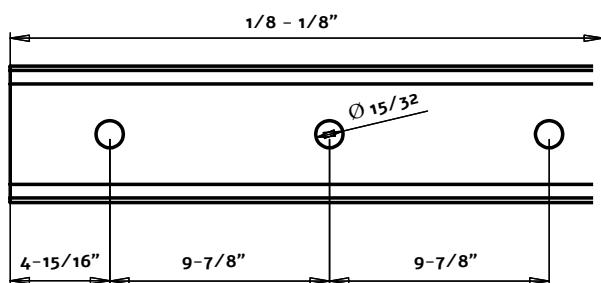


1 Top Top



2 Top Floor

\* Must be cut by the installer



### Order Kit

Fine Profile Cantilever Top Side Mount -  
Brushed anodized

TK-6200

Glass Kit - 5/16" + 1/32" SGP + 5/16"

GK-21/32"

Glass Kit - 5/16" + 1/16" SGP + 5/16"

GK-11/16"

Glass Kit - 3/8" + 1/32" SGP + 3/8"

GK-13/16"

Glass Kit - 3/8" + 1/16" SGP + 3/8"

GK-27/32"

Top Top - Cover

TTC62-1

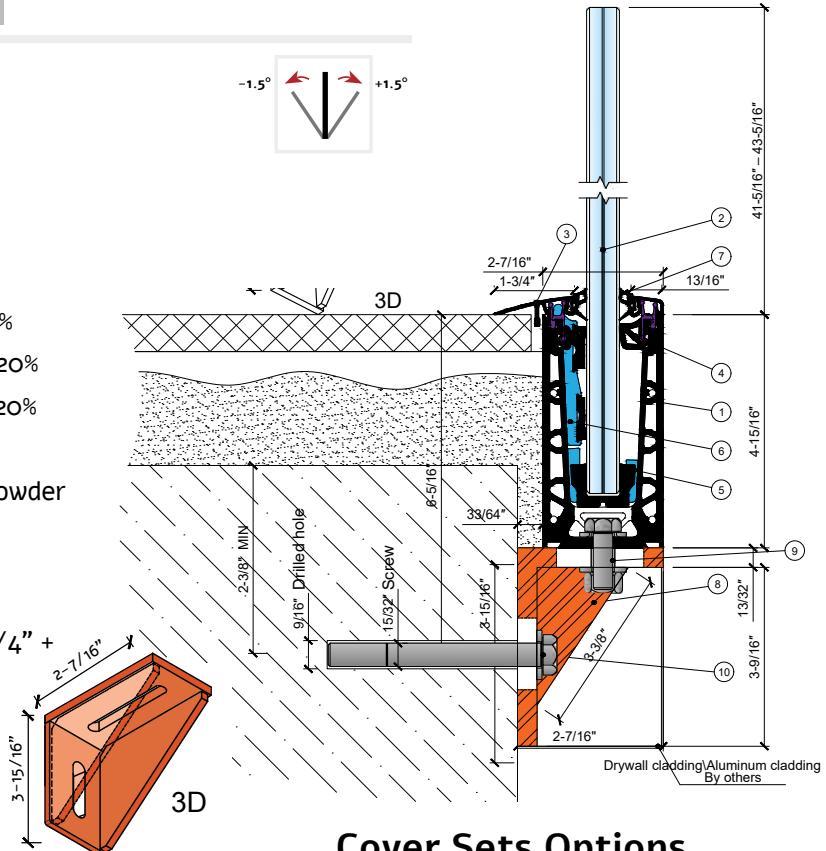
Top Floor - Cover

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:  
 $5/16" + 1/16" + 5/16"$   
 $5/16" + 1/16" + 5/16"$   
 $3/8" + 1/16" + 3/8"$   
 $3/8" + 1/16" + 3/8"$
- 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,  $3/8"$  thick, galvanized & powder coated, spaced @  $9-7/8"$  c/c
- 9 Hexagon head bolt  $3/8"-16$  UNC  $\times 1 3/8"$  + nut + 2 washers
- 10 Stainless steel threaded rod  $1/2"-13$  UNC  $\times 6 3/4"$  + chemical anchor + HILTI + nut + washer



### Glass Kit $1/8" - 1/8"$

Leveling & Alignment Mechanism



Triple Action Locking Mechanism



Glass Back Support



Cover Clips



Epdm Sealing Gasket

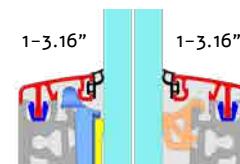


Epdm Glass Spacers

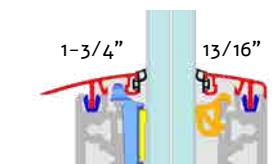


\* Must be cut by the installer

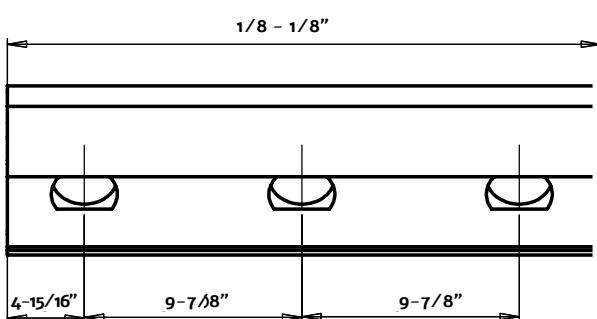
### Cover Sets Options



1 Top Top



2 Top Floor



### Order Kit

Fine Profile Cantilever Top Side Mount -  
Brushed anodized

TK-6204

Glass Kit - $5/16" + 1/16"$ SGP + $5/16"$	GK-21/32"
Glass Kit - $5/16" + 1/16"$ SGP + $5/16"$	GK-11/16"
Glass Kit - $3/8" + 1/32"$ SGP + $3/8"$	GK-13/16"
Glass Kit - $3/8" + 1/16"$ SGP + $3/8"$	GK-27/32"
Top Top - Cover	TTC62-1
Top Floor - Cover	TFC62-2

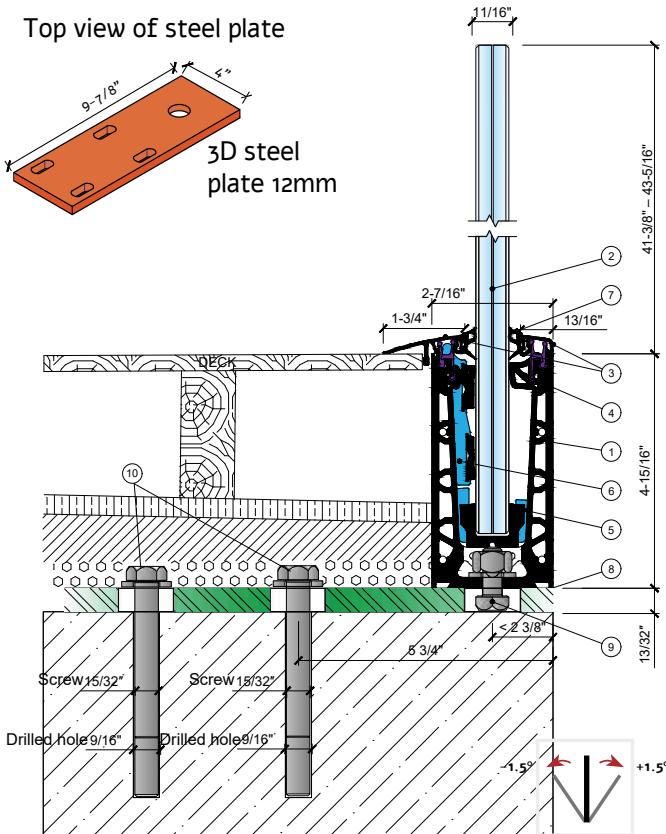
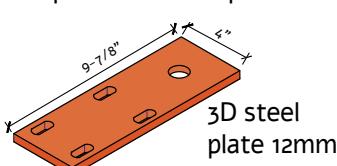
\*\* Different finishes are available upon request.

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

# TK-6208 part | TK-6200 profile

## FINE PROFILE 1.5 KN FOOT MOUNT

Top view of steel plate



- 1 Profile TK-6200
- 2 Compatible with glass using SGP lamination:  
5/16" + 1/16" + 5/16"  
5/16" + 1/16" + 5/16"  
3/8" + 1/16" + 3/8"  
3/8" + 1/16" + 3/8"
- 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, 1/2" thick, galvanized & powder coated, spaced @ 9-7/8" c/c
- 9 Hexagon head bolt 3/8"-16 UNC x 1 3/8" + nut + 2 washers
- 10 Stainless steel threaded rod 1/2"-13 UNC x 6 3/4" + chemical anchor + HILTI + nut + washer

\*Drawing Notes: Steel plate thickness: 12 mm

## Glass Kit 1/8 - 1/8"

Leveling & Alignment Mechanism



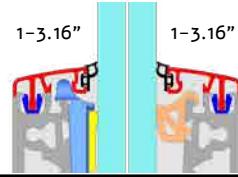
Triple Action Locking Mechanism



Glass Back Support



## Cover Sets Options



1 Top Top

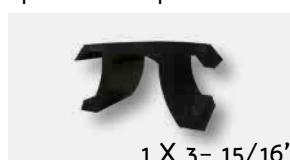
Cover Clips



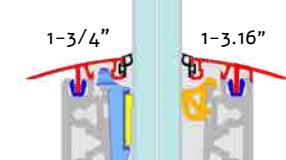
Epdm Sealing Gasket



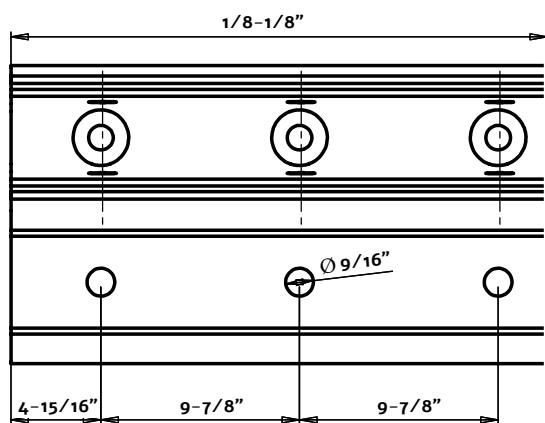
Epdm Glass Spacers



\* Must be cut by the installer



2 Floor Floor



## Order Kit

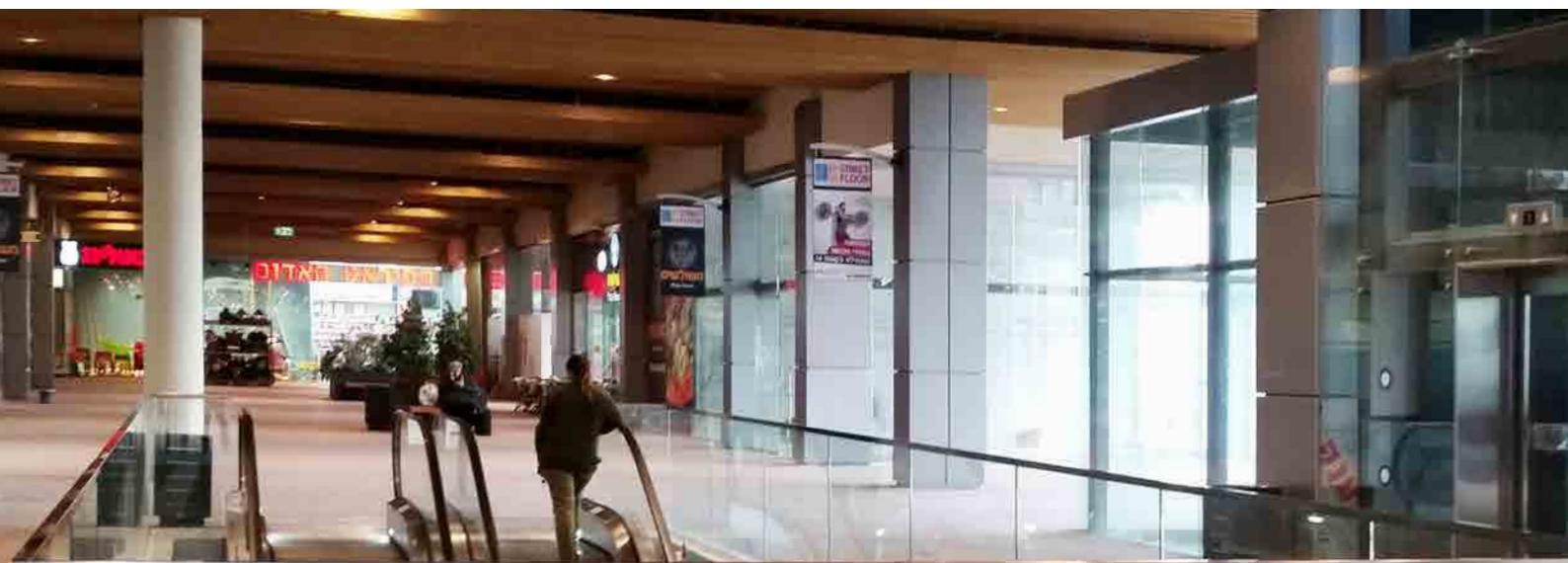
Fine Profile Cantilever Top Side Mount -  
Brushed anodized

TK-6208

Glass Kit - 5/16" + 1/32" SGP + 5/16"	GK-21/32"
Glass Kit - 5/16" + 1/16" SGP + 5/16"	GK-11/16"
Glass Kit - 3/8" + 1/32" SGP + 3/8"	GK-13/16"
Glass Kit - 3/8" + 1/16" SGP + 3/8"	GK-27/32"
Top Top - Cover	TTC62-1
Top Floor - Cover	TFC62-2

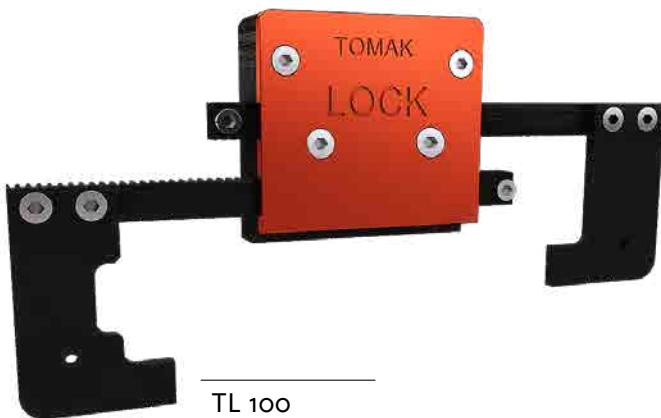
\*\* Different finishes are available upon request.

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



## TOMAK TOOL BOX (INCLUDED)

Lock



TL 100

UnLock



TL 105

### Tomak Alignment Handle



TAL110

### Tomak Position Level



TPL115

### Tomak Extention Soket Bolt 1/2"



TEX150

### Tomak Hammer



TH155

### Tomak Rachet 1/2" Lock



TRL120

### Tomak Glass Fixing Handle



TGF125

### Tomak Power Liver 1/2" X 19-11/16"



TPL130

### Tomak Glass Clamp



TH140

### Tomak Sockets Bolt



TSB135 - Ø 3/4"

TSB140 - Ø 11/16"

TSB145 - Ø 1/2"





### Extention Square Profile Conector



9-7/8" Corner

1 X 4 Set



10" Straight

1 X 4 Set

### Shims



SH 82-1/16"

SH 82-1/8"

SH 82-1/4"

SH 62-1/16"

SH 62-1/8"

SH 62-1/4"

### Chemical Gun



### Plastic Cover Protective

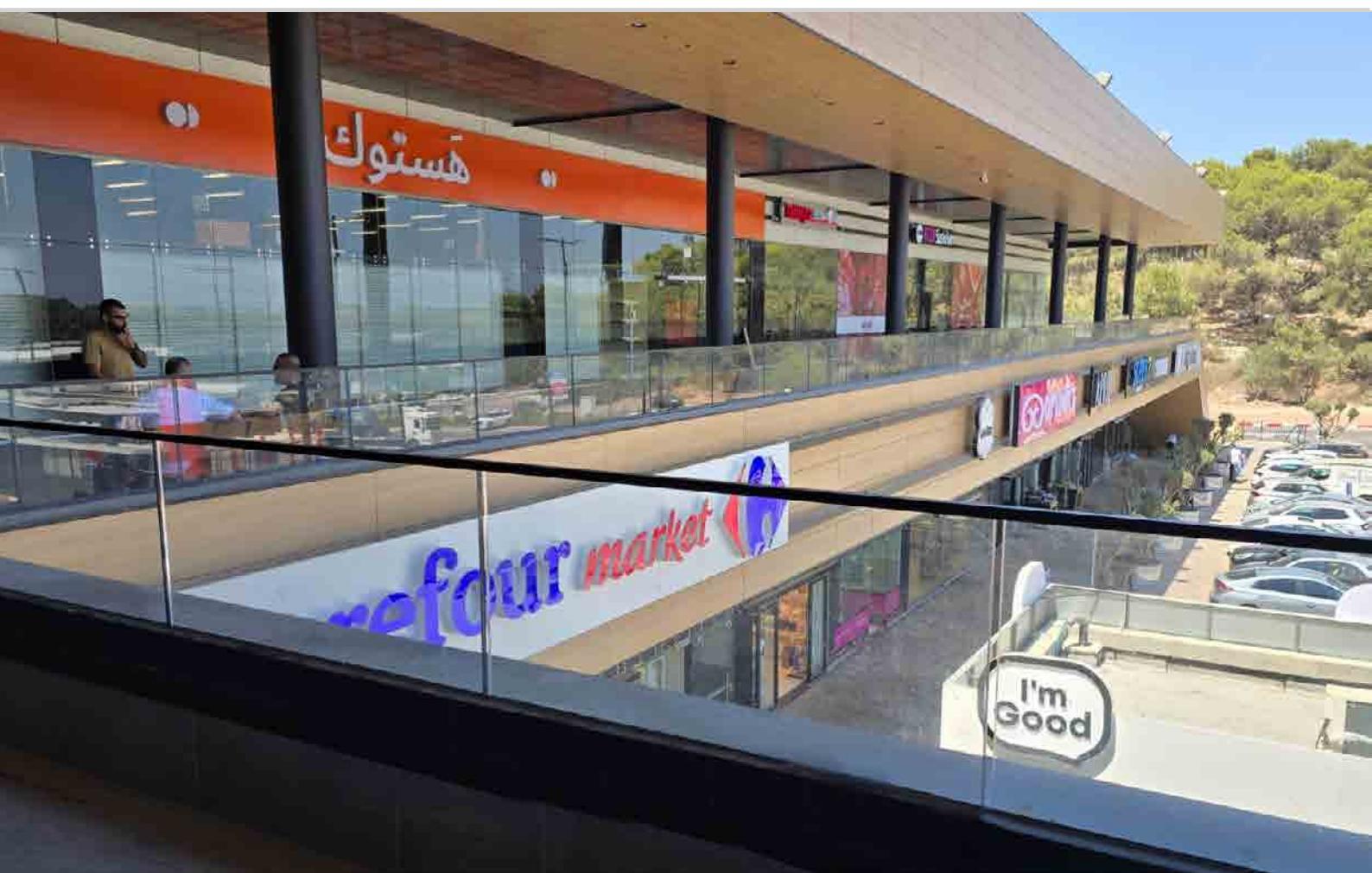


8260

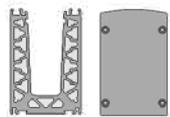
6260

unit 1.0 m long  
set of 3 units

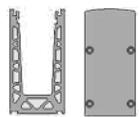
## COVER ENDS AND CORNERS



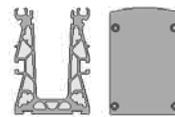
### Top profile cover end



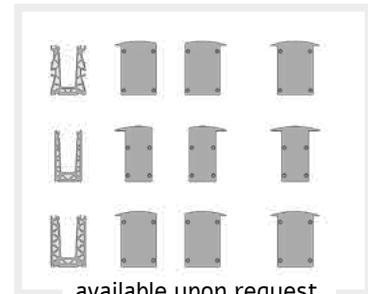
End cap TK8220



End cap TK6220



End cap TK8220



available upon request

### Industrialized corners

Fits 3.0KN Profile



TK 8200

Fits 1.5.0KN Profile

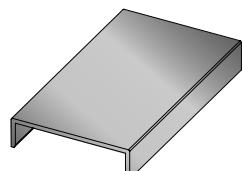


TK 6200

Fits Casting Profile



TK 8250



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

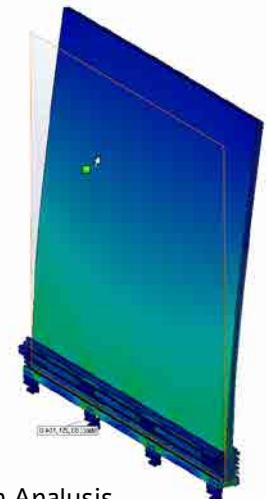
Reportnumber 89211059-02 | 12th January 2016  
16.A352 - EN1991-1-1

## Testresults

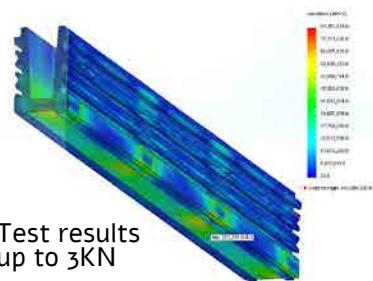
Test results after execution of the test(s) according to National Annex A, Static horizontal loads on parapets and wall partitions acting as barriers and National Annex B, Impact loads on parapets and wall partitions acting as barriers at a difference of heights of EN 1991-1-1 [1, 2]:

### 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 ( $q_{rep}$ ) and a concentrated load $F_k$ , must be applied.			
	Rooms		$q_{rep}$	
	Recommended value	Test-value		
Table 6.12	Rooms category A	0,5 kN/m 1 min		n.a.
	Rooms category B, C1	0,5 kN/m 1 min		n.a.
	Rooms category C2 to C4 and D	1,0 kN/m 1 min	1,15kN	Pass
	Rooms category C5	3,0 kN/m 5 min	3,45kN	Pass
	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	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.		
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.	Gemeten/beoordeeld no penetration of 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	consistency intact	Pass



For more details  
scan this QR



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 | Branding & Graphic design

# TOMAK RAILING USA, LLC

Inches (in.) edition

US  
patent



US 16/331, 194

EU  
patent



EP17848291.5



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NATIONAL GLASS ASSOCIATION with GANA



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