SINCE 1993

TOMAK

DRY GLAZING SYSTEM ONE STEP AHEAD

ONE STEP AHEAD
ON - SITE SOLUTIONS
2026-2027



bimmatch

CAD IN EVERY FORMAT

TÜVRheinland®
Precisely Right.

US 16/331, 194

EP17848291.5



A MESSAGE FROM OUR CEO

Connected to the industry from the age of six.

At **TOMAK, innovation begins with experience.**

Our journey started over **30 years ago as a railing system installers.** Working in the field gave us a deep understanding of the challenges installers face and inspired us to develop smarter, simpler and more efficient solutions.

Built on generations of craftsmanship, engineering knowledge, and a passion for innovation, TOMAKis a **family-owned company** where experience is passed from one generation to the next - creating a strong foundation for the future.

Today, **TOMAK**is an **engineering-driven manufacturer,** developing advanced railing systems, patented technologies, and innovative installation solutions.

Our vision is to continuously look ahead - anticipating the industry's evolving needs, developing the next generation of products, and making installation faster, easier and more precise.

As we expand into new countries and international markets, our commitment remains unchanged: to understand installers' challenges and turn them into opportunities for innovation.

We don't just develop railing systems.
We develop what's next.



Simon Luis Bieler

Simon Luis Bieler
Founder & CEO | TOMAK

TOMAK
DRY GLAZING SYSTEM **ONE STEP AHEAD**

1993 - 2027 **ONE STEP AHEAD**



THE PEOPLE BEHIND TOMAK

Behind every TOMAK system stands an experienced team combining engineering, production, service, and market expertise.

Engineering & Development

In-House Planning, Product Development And Technical Problem-Solving. We Design, Engineer And Test Our Systems, Including Models And Samples, To Meet Project Requirements.

Manufacturing & Production

Skilled Fabrication And Quality-Focused Production With Highly Computerized Machinery. Precision Workmanship And Reliable Project Execution.

Technical Sales

Practical Product Guidance, System Matching And Technical Coordination. We Work Closely With Clients, Architects And Partners To Find The Right Solution For Every Project.

Marketing & Business Development

Market Growth, Communication And Partnerships. We Strengthen Tomak's Presence In Local And International Markets And Develop Long-Term Customer Relationships.

Customer & Project Support

Ongoing Service, Project Coordination And Responsive Support. Our Team Follows Each Project From Inquiry To Completion, Ensuring A Smooth And Reliable Experience.

A Dedicated And Professional Team, Committed To Delivering Smart And Reliable Metal & Glass Solutions - **One Step Ahead.**

ENGINEERING. DEVELOPMENT. PRODUCTION.

In-house expertise. From concept to finished systems.



ENGINEERING & DEVELOPMENT

Design, prototyping and refinement - under one roof.



MANUFACTURING & PRODUCTION

Machining, fabrication and hands-on production expertise.



SHOWROOM & SYSTEM DEMONSTRATIONS

Discover our railing systems up close.



TECHNICAL SALES & CUSTOMER SUPPORT

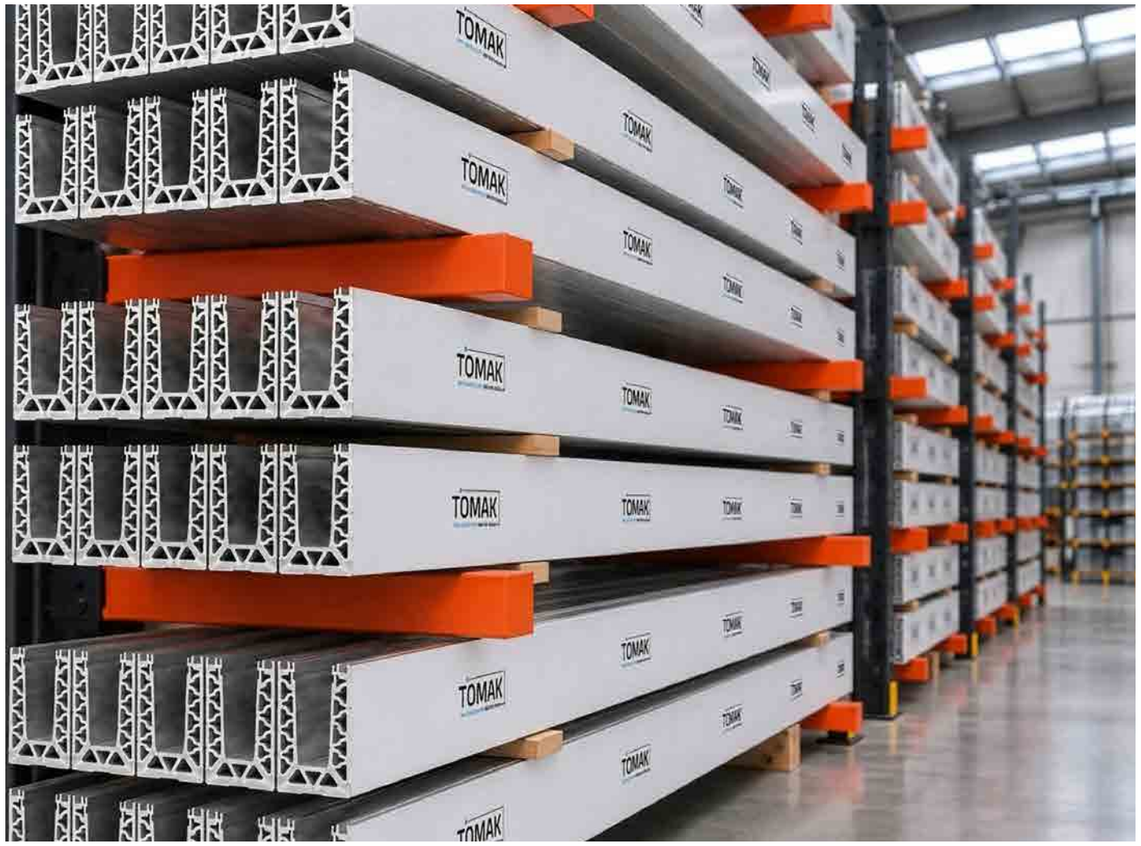
Expert advice and technical support for your projects.

TOMAK
DRY GLAZING SYSTEM **ONE STEP AHEAD**

1993 - 2027 **ONE STEP AHEAD**

STOCKED. PACKED. READY

PROFILE STORAGE, COMPLETE KITS & DEDICATED SALES SUPPORT



ALUMINUM PROFILE STORAGE

TK8200 dry glazing profiles in stock, ready for your projects.



COMPLETE KITS

Everything you needinstock, ready to installation.



PACKING & DISPATCH

Carefully prepared orders, on time.



SALES & COLLECTION

Dedicated support for your orders.

GLOBAL STRATEGIC PARTNERSHIPS
PROVEN TECHNOLOGY. LOCAL PRESENCE. SHARED GROWTH.

01 | ENGINEERING EXCELLENCE & INNOVATION

Founded in 1993, TOMAKis an established developer and manufacturer of advanced dry-glazing glass railing systems.
With over three decades of experience, in-house engineering capabilities, and extensive expertise gained from complex architectural projects, TOMAKhas developed innovative, reliable, and efficient railing solutions.
Our technology combines precision engineering, practical installation experience, and continuous product development, delivering advanced systems designed to meet the evolving demands of international markets.

02 | GLOBAL EXPANSION & LOCAL PRESENCE

TOMAKis expanding its international operations through selected strategic partnerships, establishing dedicated commercial and technical centers in key markets worldwide.
Our strategy goes beyond traditional product distribution. Each local center is designed to offer a complete professional infrastructure, including:
Local Inventory & Warehousing - Readily available aluminum profiles, railing systems, and accessories for fast delivery.
Sales & Market Development - Dedicated local sales operations serving architects, developers, contractors, and distributors.
Engineering & Technical Support - Professional consultation, system integration, and project assistance.
Training & Customer Service - Technical training, installation guidance, and ongoing local support.
This approach combines TOMAK's advanced technology and manufacturing expertise with the efficiency, accessibility, and responsiveness of a strong local operation.

03 | STRATEGIC PARTNERSHIPS & SHARED SUCCESS

TOMAKestablishes long-term partnerships with selected local companies and industry leaders who bring market knowledge, established business relationships, and strong commercial capabilities.
Our partnership strategy is based on mutual commitment, measurable performance, and sustainable business growth.
By combining TOMAK's proprietary technology, recognized expertise, and comprehensive product portfolio with local market leadership, we create a strong foundation for successful international operations.
As each market develops, our partnership structure allows for continued expansion, new opportunities, and increased participation based on business performance and shared success.

Together, we build strong local operations supported by global engineering expertise.

TOMAK- ONE STEP AHEAD.

TRADE SHOWS & EXHIBITIONS

BIG 5 Global — 24 - 27 November 2025 — Dubai World Trade Centre

BIG 5 Global — 23 - 26 November 2026 — Dubai World Trade Centre





TOMAK
DRY GLAZING SYSTEM **ONE STEP AHEAD**

1993 - 2027 **ONE STEP AHEAD**

PATENT CERTIFICATION

EUROPEAN CERTIFICATION



Europäisches Patentamt
European Patent Office
Office européen des brevets

European Patent Office
80298 MUNICH
GERMANY

Questions about this communication?
Contact Customer Services at www.epo.org/contact

Pearl Cohen Zedek Latzer Baratz UK LLP
The Gridiron Building
One Pancras Square
London N1C 4AG
ROYAUME UNI

Date 08.05.2025

Reference	Application No./Patent No.
P-80361-EP	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 **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 Patentamt
European Patent Office
Office européen des brevets

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. / European patent No. / Brevet européen n°: **EP3510231**

Tag der Bekanntmachung des Hinweises auf die Erteilung des europäischen Patents / Date of publication of the mention of the grant of the European patent / Date de la publication de la mention de la délivrance du brevet européen: **23.04.2025**

SYSTEM AND METHOD FOR PLATE ALIGNMENT

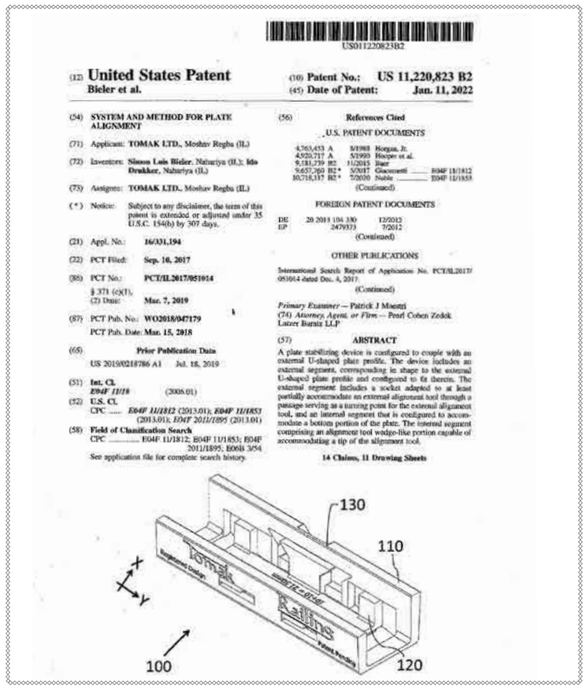
Patentinhaber | Proprietor(s) of the patent | Titulaire(s) du brevet

Tomak Ltd.
Moshav Regba
2280400 Moshav Regba
IL

António Campinos

München, den | Munich, | Munich, le **23.04.2025**

USA CERTIFICATION



US011220823B2

(12) **United States Patent**
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**

(71) Applicant: **TOMAK LTD.**, Moshav Regba (IL)

(72) Inventors: **Simon Luis Bieler**, Nahariya (IL); **Ido Drukker**, Nahariya (IL)

(73) Assignee: **TOMAK LTD.**, Moshav Regba (IL)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 307 days.

(21) Appl. No.: **16/331,194**

(22) PCT Filed: **Sep. 10, 2017**

(86) PCT No.: **PCT/IL2017/051014**
§ 371 (c)(1),
(2) Date: **Mar. 7, 2019**

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PCT Pub. Date: **Mar. 15, 2018**

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US 2019/0218786 A1 Jul. 18, 2019

(51) **Int. Cl.**
E04F 13/18 (2006.01)

(52) **U.S. Cl.**
CPC ***E04F 13/1812*** (2013.01); ***E04F 13/1853*** (2013.01); ***E04F 2011/1895*** (2013.01)

(58) **Field of Classification Search**
CPC E04F 11/1812; E04F 11/1853; E04F 2011/1895; E06B 3/54
See application file for complete search history.

(56) **References Cited**

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4,920,717 A 5/1990 Hooper et al.
9,181,739 B2 11/2015 Baer
9,657,760 B2 * 5/2017 Giacomelli E04F 11/1812
10/718,137 B2 * 7/2020 Noble E04F 11/1853
(Continued)

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DE 20 2013 104 330 12/2013
EP 2479373 7/2012
(Continued)

OTHER PUBLICATIONS

International Search Report of Application No. PCT/IL2017/051014 dated Dec. 4, 2017.
(Continued)

Primary Examiner — Patrick J Maestri
(74) *Attorney, Agent, or Firm* — Pearl Cohen Zedek Latzer Baratz LLP

(57) **ABSTRACT**

A plate stabilizing device is configured to couple with an external U-shaped plate profile. The device includes 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 turning point 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.

14 Claims, 11 Drawing Sheets



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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/331,194	01/11/2022	11220823	P-80361-US	5892

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7 Times Square, 19th Floor
New York, NY 10036

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (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 (http://pair.uspto.gov).

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.

INVENTOR(s) (Please see PAIR WEB site http://pair.uspto.gov for additional inventors):

Simon Luis BIELER, Nahariya, ISRAEL;
Ido DRUKKER, Nahariya, ISRAEL;

APPLICANT(s) (Please see PAIR WEB site http://pair.uspto.gov 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 SelectUSA.gov.

IR103 (Rev. 10/09)

TOMAK
DRY GLAZING SYSTEM **ONE STEP AHEAD**

1993 - 2027 **ONE STEP AHEAD**

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 allows 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 allows 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 complies with the **ABZ** German standard.

TOMAKDRY GLAZING RAILING SYSTEM

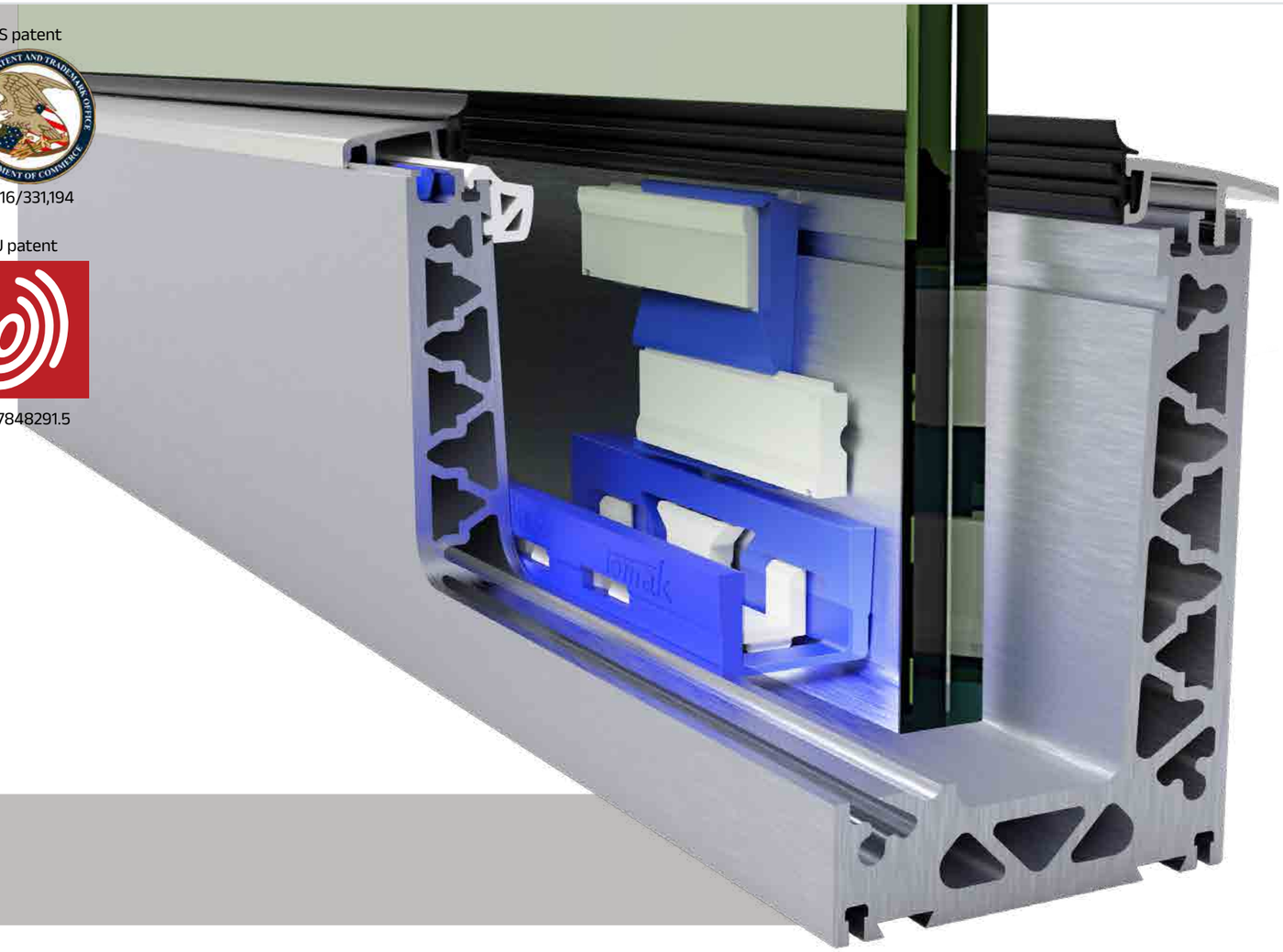
* Not just developers, but installers – With thousands of balcony and commercial projects delivered, **we know how to simplify installation.**
* **Smart & Easy Balustrade Solutions, Backed by years of TOMAK'S Experience**

US patent

US 16/331,194

EU patent

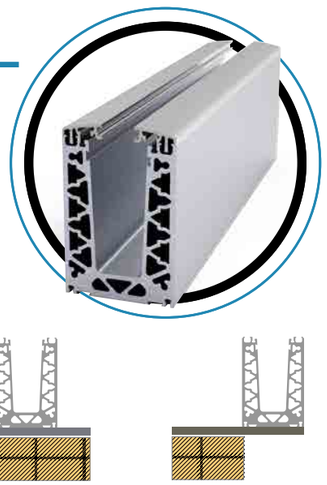
EP17848291.5

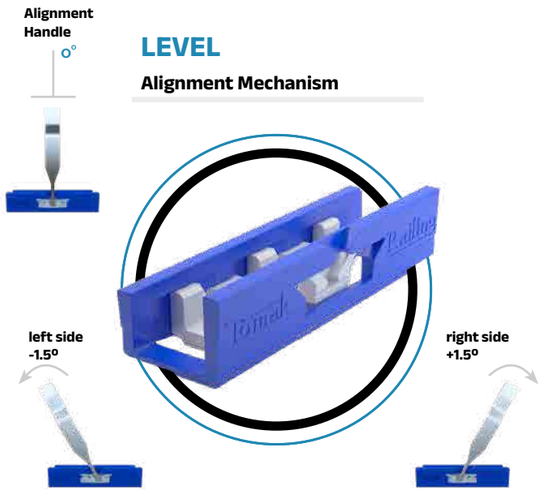


SMART SYSTEM
POSITIONING, LEVEL & LOCK SMART SYSTEM

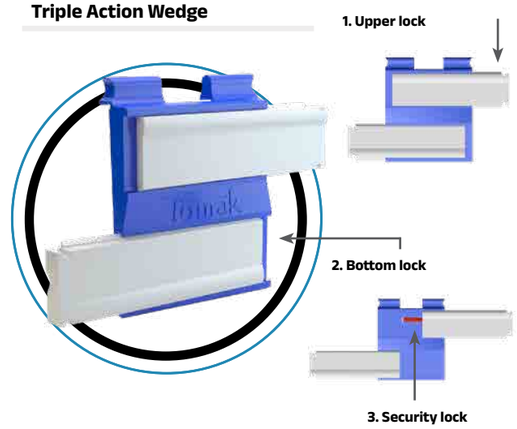


POSITION
Universal Channel





LOCK
Triple Action Wedge



TOMAK DRY GLAZING RAILING SYSTEM

PRODUCTS
INDEX

All dimensions in this catalog are in metric (mm)

PROFILES

01
PREMIUM PROFILES
TK-8400
3.0 kN profile
for 12 + 1.52 SGP + 12 glass
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TK-8400


TK-8404


TK-8408

02
PREMIUM PROFILES
TK-8200
3.0 kN profile
for 10 + 1.52 SGP + 10 glass
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TK-8400


TK-8404


TK-8408

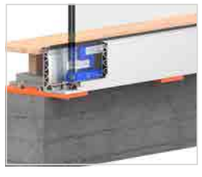
03
PREMIUM PROFILES
TK-8250
Casting Profile
3.0 kN profile
P. 20 → P. 21


TK-8250

04
COMPACT PROFILE
TK-7000
3.0 kN profile
for 8 + 1.52 SGP + 8 /10 + 1.52 SGP + 10 glass
P. 22 → P. 25


TK-7000

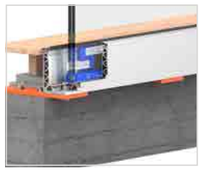

TK-7004


TK-7008

05
FINE PROFILE
TK-6200
3.0 kN profile
for 8 + 1.52 SGP + 8 /10 + 1.52 SGP + 10 glass
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TOMAK
DRY GLAZING SYSTEM **ONE STEP AHEAD**

1993 - 2027 **ONE STEP AHEAD**

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TK-9000
Pool Max
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TOMAK PROTECTOR
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GLASS THICKNESS COMPENSATION SHIM
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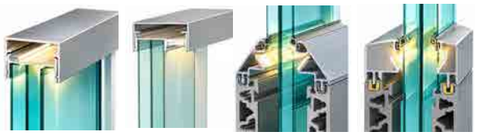
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TK LD 3070
Precision Leveling Device
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SMART LED SOLUTIONS
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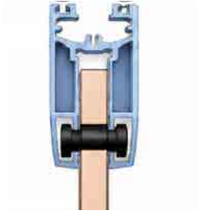
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Hotel Balcony Privacy Partition
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TK-450
Minimalist Glass Water Screen System
P. 34



INSTALLATION INSTRUCTIONS

bimmatch CAD IN EVERY FORMAT .dwg DXF PDF R

E&OE
Images are for illustration purposes onl | Before any design or execution: Subject to structural engineer approval



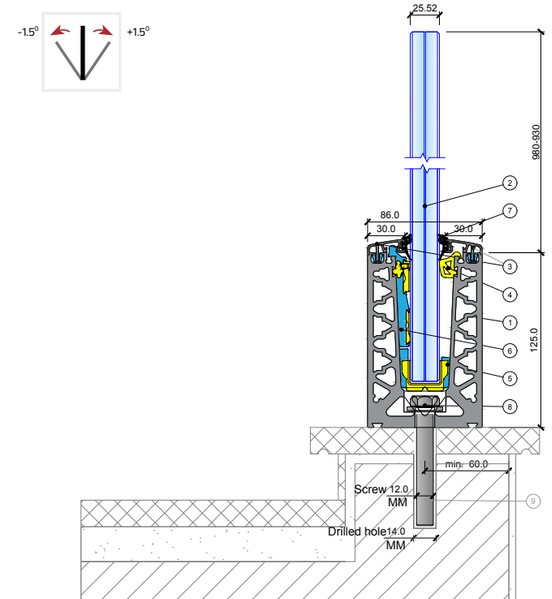
01 | TK-8400-8408 | 3.0 kN PROFILES

TK-8400
HEAVY PROFILE 3.0 kN TOP MOUNT

01

PREMIUM PROFILES

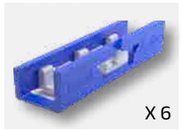
1	Profile TK-8400
2	Compatible with glass using SGP lamination: 12+1.52+12
3	Aluminum top cover rail
4	Glass back support profile: P.P + GF 20%
5	leveling & alignment mechanism – PP + 20% GF
6	Triple locking mechanism (3-actions): P.P + GF 20%
7	EPDM: Sealing gaskets
8	Stainless steel threaded rod M12/170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





Glass Kit 3.0m includes:

Leveling & Alignment Mechanism



Triple Action Locking Mechanism



Glass Back Support



Extention



Cover Clips



EPDM Sealing Gasket



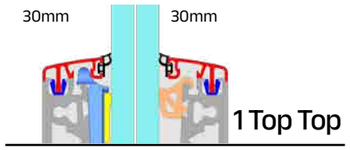
EPDM Glass Spacers

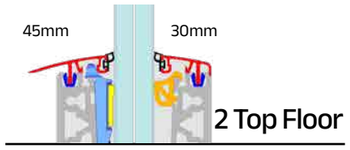


Compensation Shim



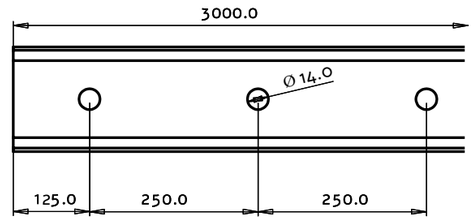
Cover Sets Options





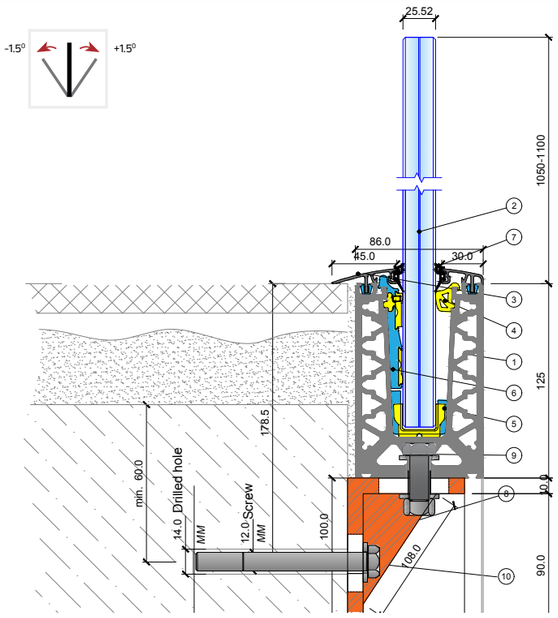
Order Kit

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



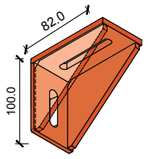
** Different finishes are available upon request. *** For End Caps, Handrails & Accessories - See page 36 - 38 of this manual.

TK-8404
HEAVY PROFILE 3.0 kN SIDE MOUNT



Drywall cladding by others / Aluminium cladding at extra cost

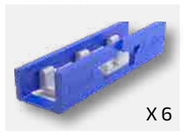
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3. Aluminum top cover rail
4. Glass back support profile: P.P + GF 20%
5. leveling & alignment mechanism – PP + 20% GF
6. Triple locking mechanism (3-actions): P.P + GF 20%
7. EPDM: Sealing gaskets
8. Steel angle bracket, 10 mm thick, galvanized & 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





Glass Kit 3.0m includes:

Leveling & Alignment Mechanism



Triple Action Locking Mechanism



Glass Back Support



Extention



Cover Clips



EPDM Sealing Gasket



EPDM Glass Spacers

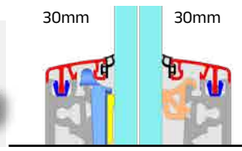


* Must be cut by the installer

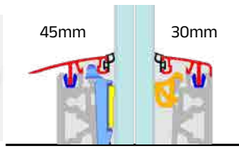
Compensation Shim



Cover Sets Options



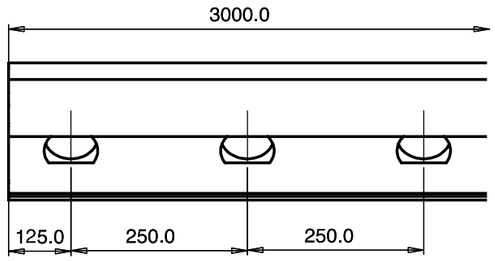
1 Top Top



2 Top Floor

Order Kit

Heavy Profile Side Mount - Brushed Anodized	TK-8404
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 36 - 38 of this manual.

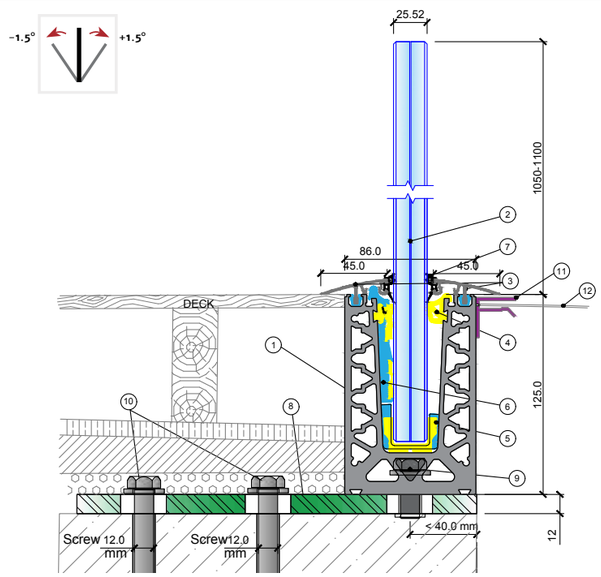
TOMAK
DRY GLAZING SYSTEM ONE STEP AHEAD

1993 - 2027 **ONE STEP AHEAD**

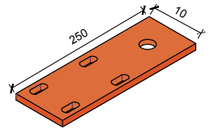
01

PREMIUM PROFILES

TK-8408
HEAVY PROFILE 3.0 kN EDGE PLATE MOUNT



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. EPDM: Sealing gaskets
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

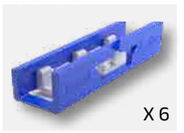


Top view of steel plate
3D steel plate 12mm



Glass Kit 3.0m includes:

Leveling & Alignment Mechanism



Triple Action Locking Mechanism



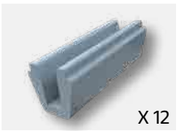
Glass Back Support



Extention



Cover Clips



EPDM Sealing Gasket

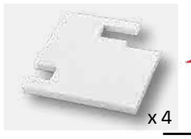


EPDM Glass Spacers

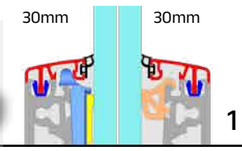


* Must be cut by the installer

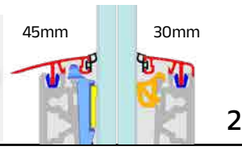
Compensation Shim



Cover Sets Options



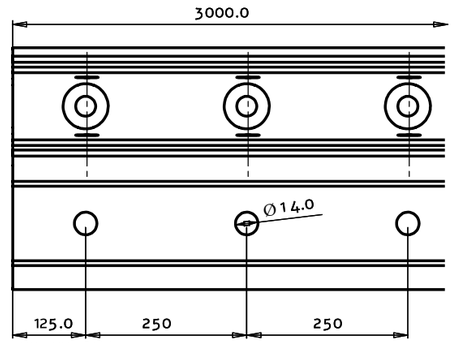
1 Top Top



2 Top Floor

Order Kit

Heavy Profile Edge Pplate Mount - Brushed anodized	TK-8408
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 36 - 38 of this manual.



02 | TK-8200-8208 | 3.0 kN PROFILES

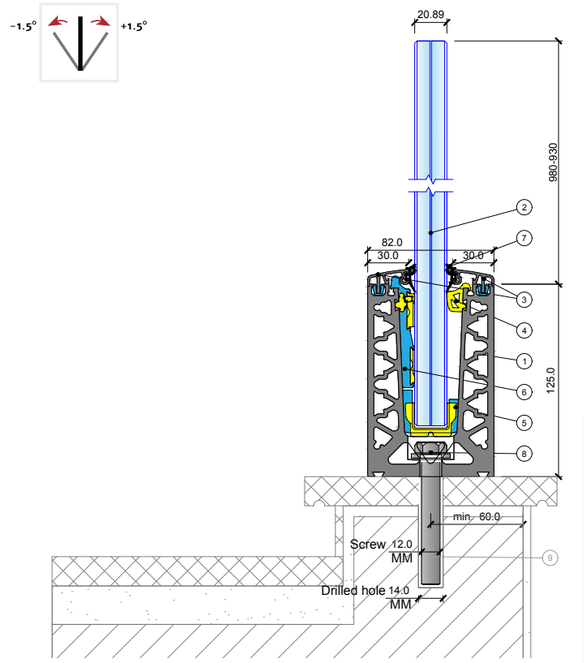
RESIDENTIAL BUILDINGS

TK-8200
HEAVY PROFILE 3.0 kN TOP MOUNT

02

PREMIUM PROFILES

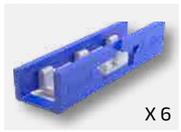
1	Profile: TK-8200
2	Compatible with glass using SGP lamination: 8 + 0.89 + 8 8 + 1.52 + 8 10 + 0.89 + 10 10 + 1.52 + 10
3	Aluminum top cover rail
4	Rear stabilization profile for glass: P.P + GF 20%
5	Glass tilting and leveling mechanism: P.P + GF 20%
6	Triple locking mechanism (3-action): P.P + GF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





Glass Kit 3.0m includes:

Leveling & Alignment Mechanism



Triple Action Locking Mechanism



Glass Back Support



Extention



Cover Clips



EPDM Sealing Gasket



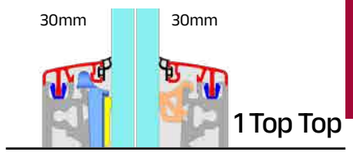
EPDM Glass Spacers

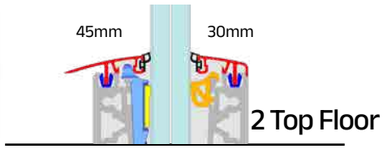


Compensation Shim



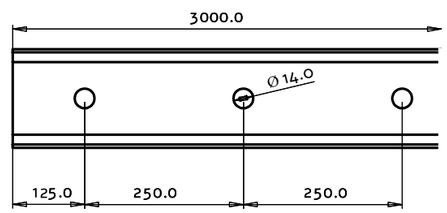
Cover Sets Options





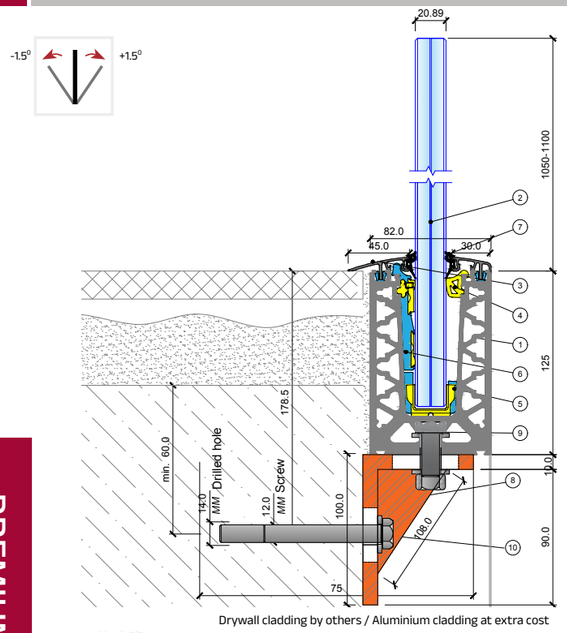
Order Kit

Heavy Profile Top 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



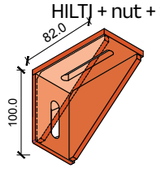
** Different finishes are available upon request. *** For End Caps, Handrails & Accessories - See page 36 - 38 of this manual.

TK-8204
HEAVY PROFILE 3.0 kN SIDE MOUNT



Drywall cladding by others / Aluminium cladding at extra cost

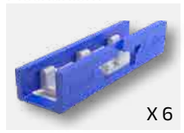
1	Profile TK-8200
2	Compatible with glass using SGP lamination: 8 + 0.89 + 8 8 + 1.52 + 8 10 + 0.89 + 10 10 + 1.52 + 10
3	Aluminum top cover rail
4	Rear stabilization profile for glass: P.P + GF 20%
5	Glass tilting and leveling mechanism: P.P + GF 20%
6	Triple locking mechanism (3-action): P.P + GF 20%
7	EPDM: Sealing gaskets
8	Steel angle bracket, 10 mm thick, galvanized & powder coated, spaced @250 mm c/c - optional suplied at extra cost
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 includes:

Leveling & Alignment Mechanism



Triple Action Locking Mechanism



Glass Back Support



Extention



Cover Clips



EPDM Sealing Gasket



EPDM Glass Spacers

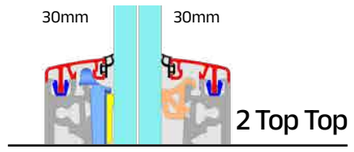


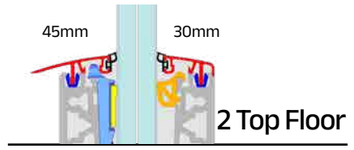
* Must be cut by the installer

Compensation Shim

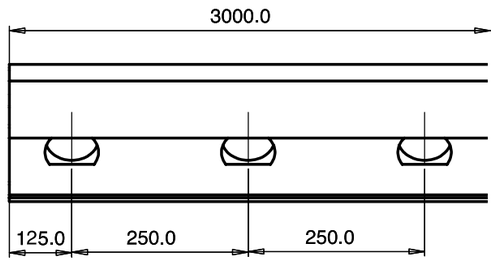


Cover Sets Options





Order Kit	
Heavy Profile 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 36 - 38 of this manual.

1993 - 2027 **ONE STEP AHEAD**

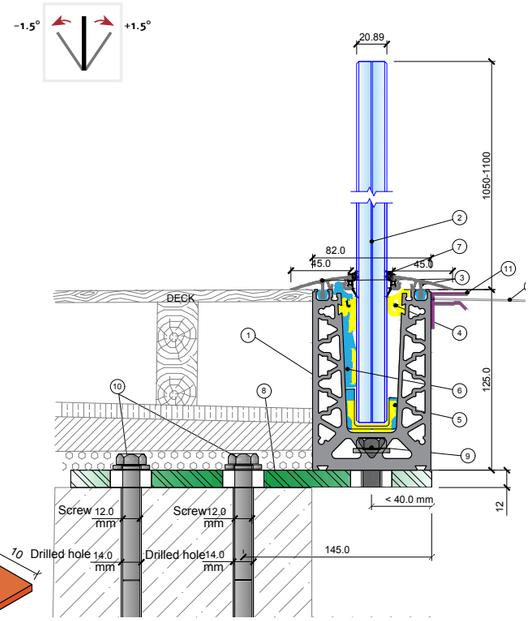
TOMAK
DRY GLAZING SYSTEM ONE STEP AHEAD

02

PREMIUM PROFILES

TK-8208
HEAVY PROFILE 3.0 kN EDGE PLATE MOUNT

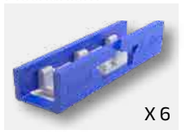
1	Profile TK-8200
2	Compatible with glass using SGP lamination: 8 + 0.89 + 8 8 + 1.52 + 8 10 + 0.89 + 10 10 + 1.52 + 10
3	Aluminum top cover rail
4	Rear stabilization profile for glass: P.P + GF 20%
5	Glass tilting and leveling mechanism: P.P + GF 20%
6	Triple locking mechanism (3-action): P.P + GF 20%
7	EPDM: Sealing gaskets
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



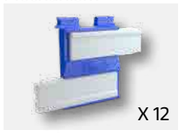


Glass Kit 3.0m includes:

Leveling & Alignment Mechanism



Triple Action Locking Mechanism



Glass Back Support



Extention



Cover Clips



EPDM Sealing Gasket



EPDM Glass Spacers

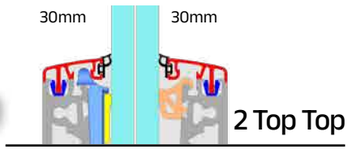


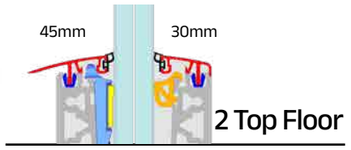
* Must be cut by the installer

Compensation Shim

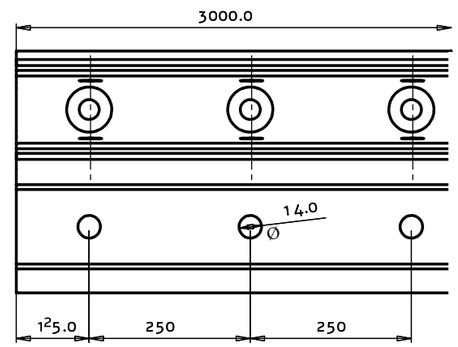


Cover Sets Options

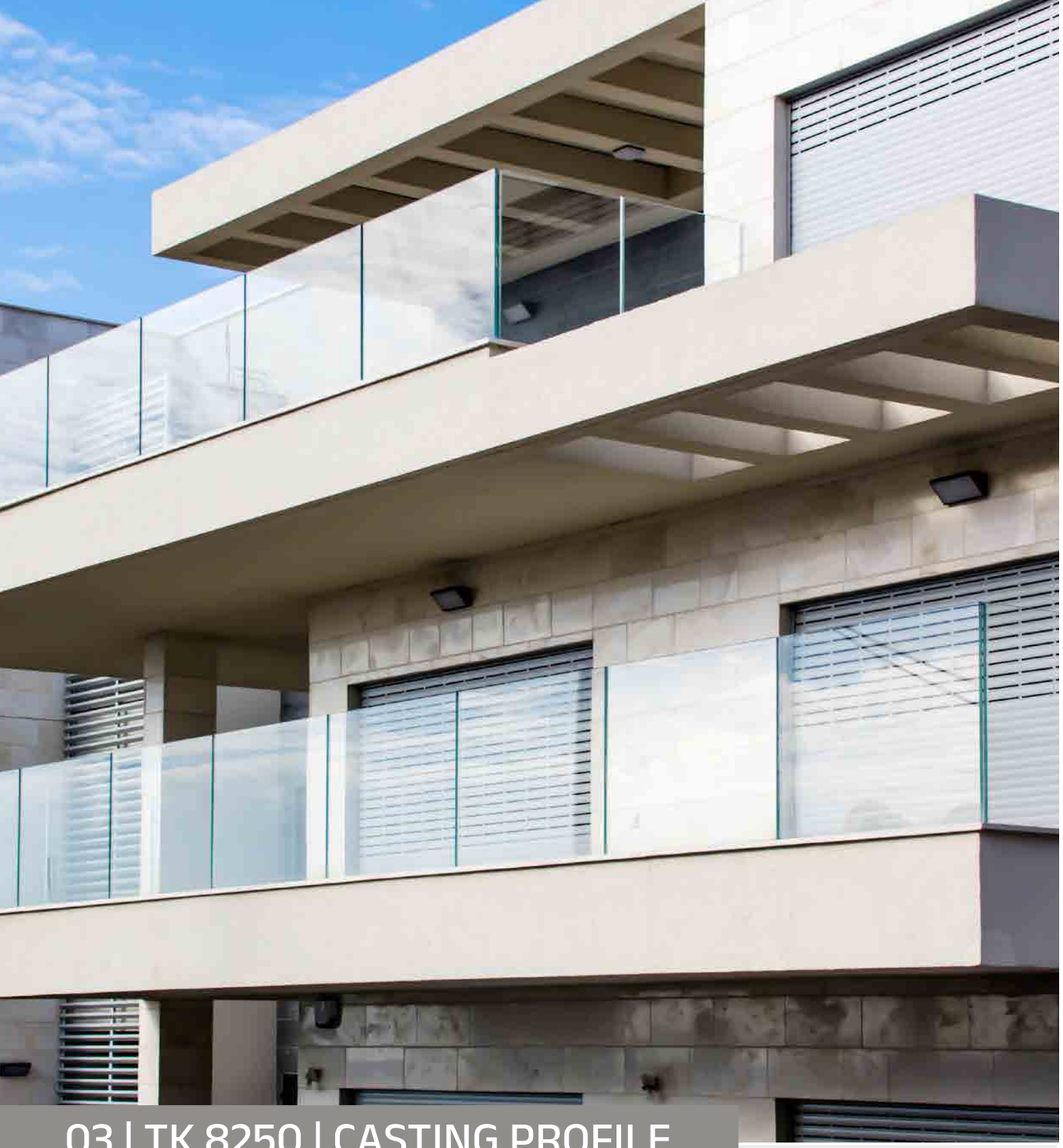




Order Kit	
Heavy Profile Edge Plate Mount - Brushed anodized	TK-8208
Glass Kit - 8 + 0.89 SGP + 8	GK-16.89
Glass Kit - 8 + 1.52 SGP + 8	GK-17.52
Glass Kit - 10 + 0.89 SGP + 10	GK-20.89
Glass Kit - 10 + 1.52 SGP + 10	GK-21.52
Top Top - Cover	TTC82-1
Top Floor - Cover	TFC82-2



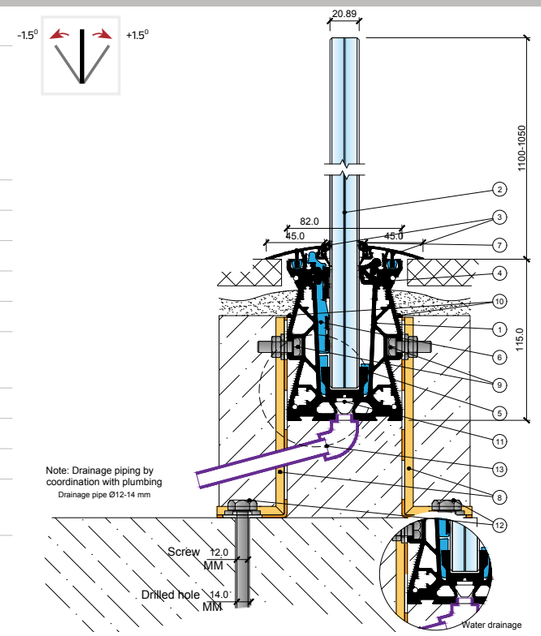
** Different finishes are available upon request. *** For End Caps, Handrails & Accessories - See page 36 - 38 of this manual.



03 | TK 8250 | CASTING PROFILE

TK-8250
CASTING PROFILE 3.0 kN TOP MOUNT FOR CASTING

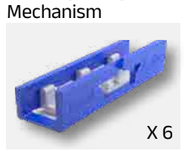
1	Profile TK-8250
2	Compatible with glass using SGP lamination: 8 + 0.89 + 8 8 + 1.52 + 8 10 + 0.89 + 10 10 + 1.52 + 10
3	Aluminum top cover rail
4	Rear stabilization profile for glass: P.P + GF 20%
5	Glass tilting and leveling mechanism: P.P + GF 20%
6	Triple locking mechanism (3-action): P.P + GF 20%
7	EPDM: Sealing gaskets
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 6×80 mm + chemical anchor + HILTI + nut + washer
13	Drainage pipe Ø12-14 mm



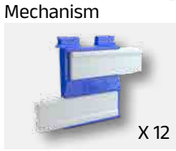


Glass Kit 3.0m includes:

Leveling & Alignment Mechanism



Triple Action Locking Mechanism



Glass Back Support



Extention



Cover Clips



EPDM Sealing Gasket



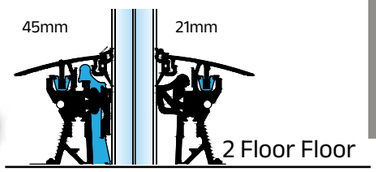
EPDM Glass Spacers



Compensation Shim



Cover Sets Options





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 36 - 38 of this manual.

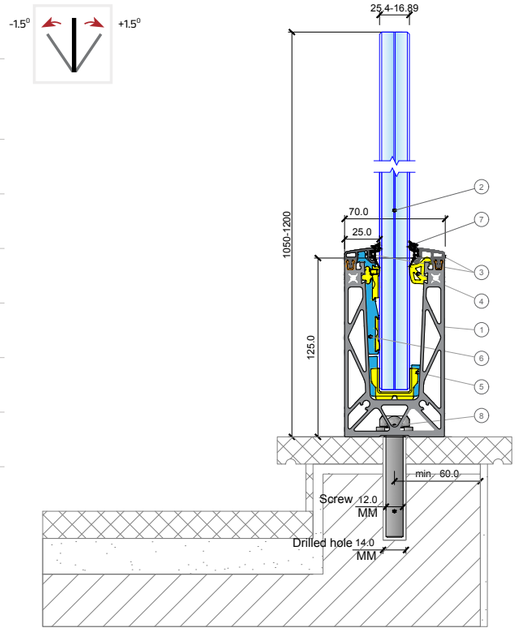


04 | TK-7000 - 2008 | 2.5 KN

COMMERCIAL & RESIDENTIAL BUILDINGS

TK-7000
TOP MOUNT COMPACT PROFILE 2.5 KN/M | FOR 6+6 / 8+8 / 10+10 SGP GLASS

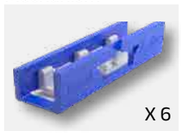
1	Profile TK-7000
2	Stainless steel threaded rod M10x170 + chemical anchor (E.g.,Hilti) + nut + washer
3	Glass panel: 6+6 / 8+8 / 10+10 SGP
4	Aluminum top cover rail
5	Glass back support profile: P.P + GF 20%
6	Leveling & alignment mechanism: P.P + GF 20%
7	Triple locking mechanism (3-action): P.P + GF 20%
8	EPDM: Sealing gaskets



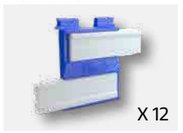


Glass Kit 3.0m includes:

Leveling & Alignment Mechanism



Triple Action Locking Mechanism



Glass Back Support



Extention



Cover Clips



EPDM Sealing Gasket



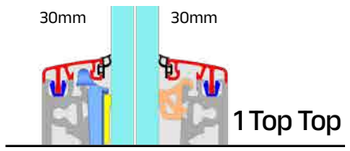
EPDM Glass Spacers

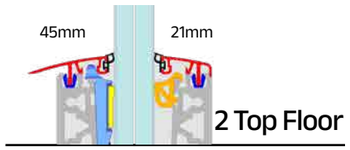


Compensation Shim



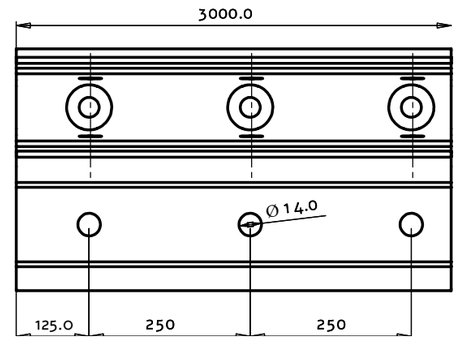
Cover Sets Options



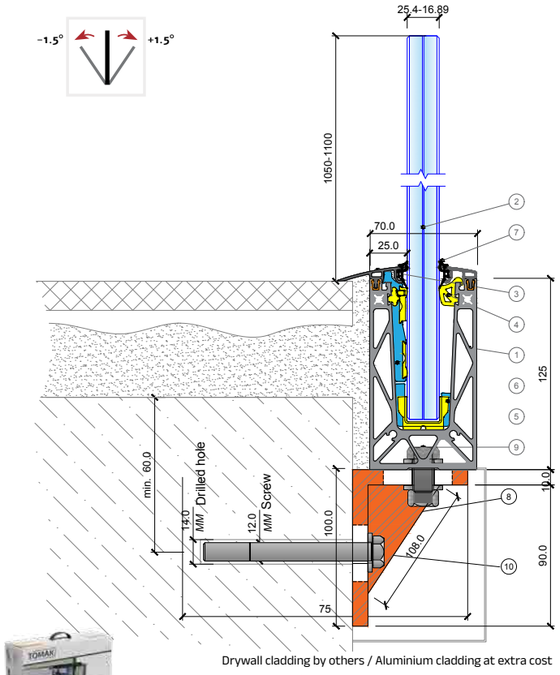


Order Kit	
Fine Profile Top Mount - Brushed anodized	TK-7000
Glass Kit - 8 + 0.89 SGP + 8	GK-16.89
Glass Kit - 8 + 1.52 SGP + 8	GK-17.52
Glass Kit - 10 + 0.89 SGP + 10	GK-20.89
Glass Kit - 10 + 1.52 SGP + 10	GK-21.52
Top Top - Cover	TTC62-1
Top Floor - Cover	TFC62-2

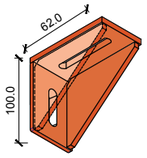
** Different finishes are available upon request. ***
For End Caps, Handrails & Accessories - See page 36 - 38 of this manual.



TK-7004 PROFILE
SIDE MOUNT COMPACT PROFILE 3.0 kN



Drywall cladding by others / Aluminium cladding at extra cost

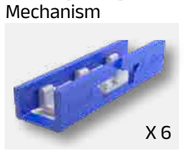


1 Profile TK-7000
2 Compatible with glass using SGP lamination:
8 + 0.89 + 8
8 + 1.52 + 8
10 + 0.89 + 10
10 + 1.52 + 10
3 Aluminum top cover rail
4 Rear stabilization profile for glass: P.P + GF 20%
5 Glass tilting and leveling mechanism: P.P + GF 20%
6 Triple locking mechanism (3-action): P.P + GF 20%
7 EPDM: Sealing gaskets
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 includes:

Leveling & Alignment Mechanism



Triple Action Locking Mechanism



Glass Back Support



Extention



Cover Clips



EPDM Sealing Gasket



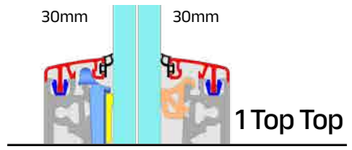
EPDM Glass Spacers

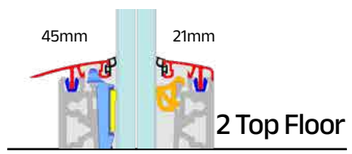


Compensation Shim

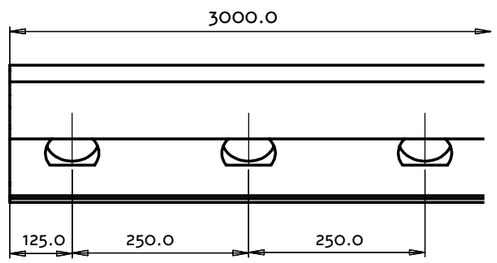


Cover Sets Options





Order Kit	
Fine Profile Top Side Mount - Brushed anodized	TK-7000
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 36 - 38 of this manual.

TOMAK
DRY GLAZING SYSTEM **ONE STEP AHEAD**

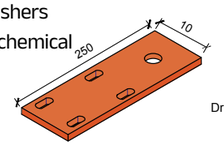
1993 - 2027 **ONE STEP AHEAD**

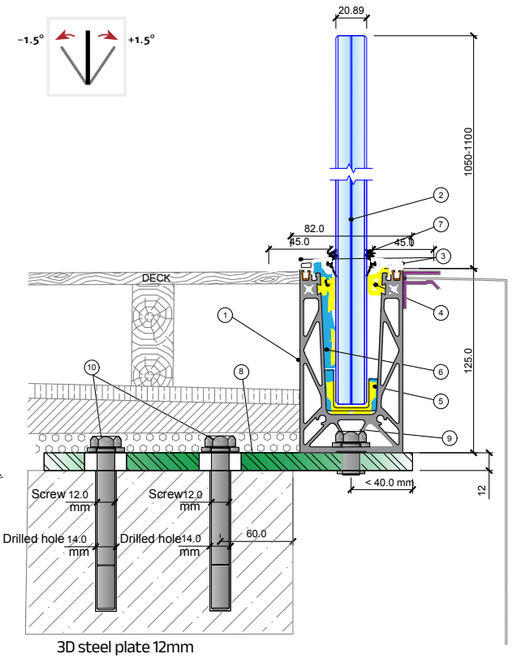
04

COMPACT PROFILES

TK-7008 PROFILE
EDGE PLATE MOUNT COMPACT PROFILE

1 Profile TK-7000
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 EPDM: Sealing gaskets
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



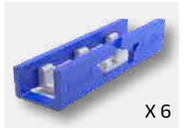


3D steel plate 12mm



Glass Kit 3.0m includes:

Leveling & Alignment Mechanism



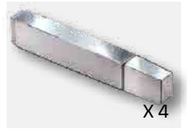
Triple Action Locking Mechanism



Glass Back Support



Extention



Cover Clips



EPDM Sealing Gasket



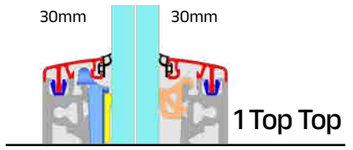
EPDM Glass Spacers

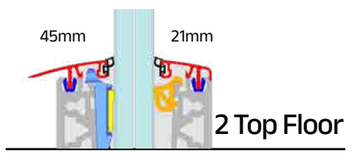


Compensation Shim

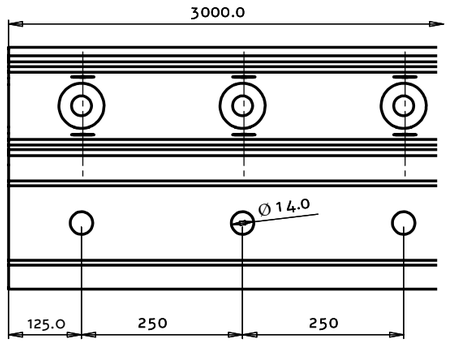


Cover Sets Options





Order Kit	
Fine Profile Top Side Mount - Brushed anodized	TK-7000
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 36 - 38 of this manual.

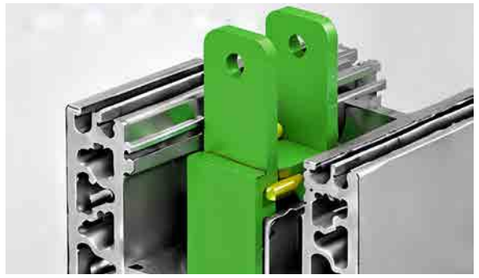
NO SAFETY. NO WORK!

SAFETY FENCE SYSTEM

Temporary Edge Protection Solution

Compatible with TK-8200 | TK-8400 | TK-7000 | TK-8250

1 Locking Insert



2 Quick Pin Post



3 Safety Post



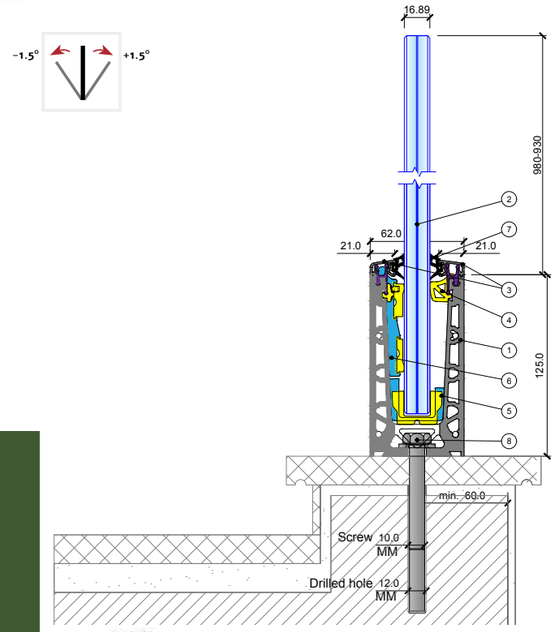




05 | TK-6200 - 6208 | 1.5kN

COMMERCIAL & RESIDENTIAL BUILDINGS

TK-6200 PROFILE
FINE PROFILE 1.5 KN TOP MOUNT

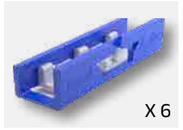


1 Profile TK-6200
2 Compatible with glass using SGP lamination:
8 + 0.89 + 8
8 + 1.52 + 8
10 + 0.89 + 10
10 + 1.52 + 10
3 Aluminum top cover rail
4 Rear stabilization profile for glass: P.P + GF 20%
5 Glass tilting and leveling mechanism: P.P + GF 20%
6 Triple locking mechanism (3-action): P.P + GF 20%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



Glass Kit 3.0m includes:

Leveling & Alignment Mechanism



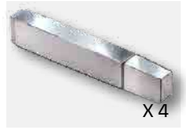
Triple Action Locking Mechanism



Glass Back Support



Extention



Cover Clips



EPDM Sealing Gasket



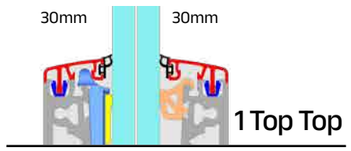
EPDM Glass Spacers

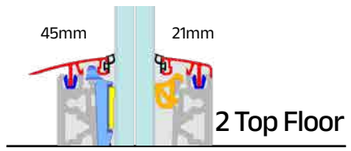


Compensation Shim

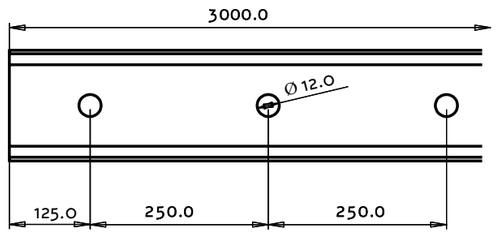


Cover Sets Options





Order Kit	
Fine Profile 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

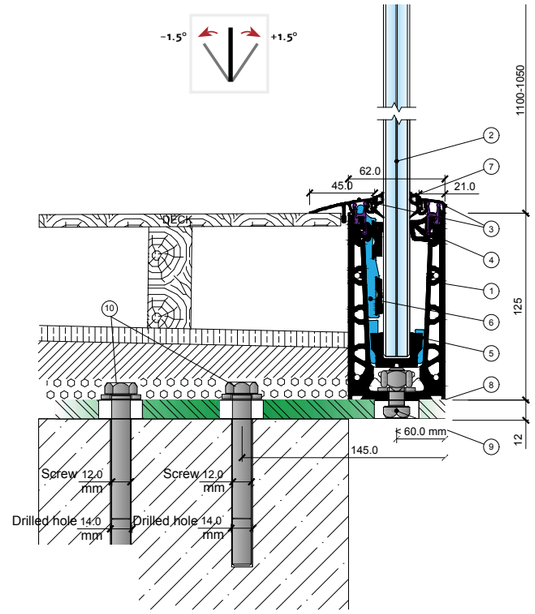


** Different finishes are available upon request. *** For End Caps, Handrails & Accessories - See page 36 - 38 of this manual.

TOMAK
DRY GLAZING SYSTEM ONE STEP AHEAD

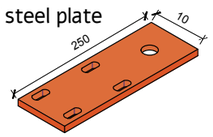
TK-6208 PROFILE
FINE PROFILE 1.5 kN EDGE PLATE MOUNT

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 EPDM: Sealing gaskets
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

Top view of steel plate

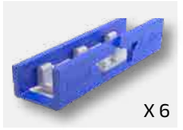


3D steel plate 12mm



Glass Kit 3.0m includes:

Leveling & Alignment Mechanism



Triple Action Locking Mechanism



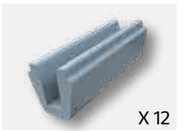
Glass Back Support



Extention



Cover Clips



EPDM Sealing Gasket



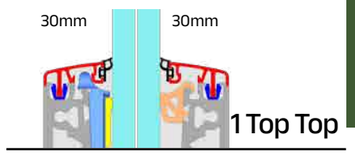
EPDM Glass Spacers

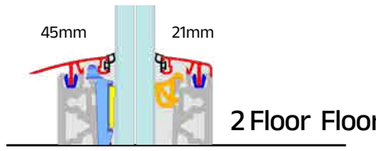


Compensation Shim

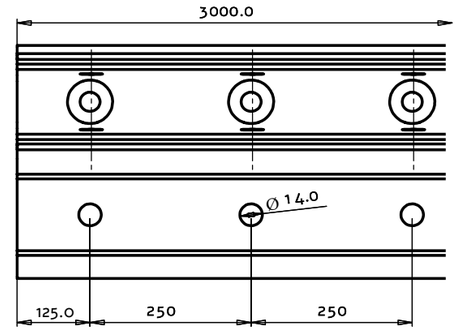


Cover Sets Options





Order Kit	
Fine Profile Edge Plate Mount - Brushed anodized	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

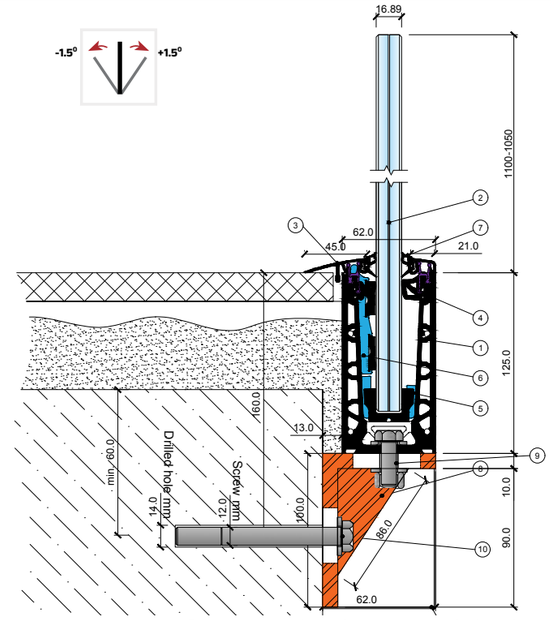


** Different finishes are available upon request. *** For End Caps, Handrails & Accessories - See page 36 - 38 of this manual.

05

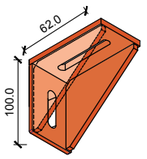
FINE PROFILES

TK-6204 PROFILE
FINE PROFILE 1.5 KN SIDE MOUNT



Drywall cladding by others / Aluminium cladding at extra cost

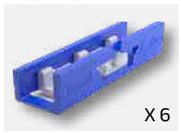
1	Profile TK-6200
2	Compatible with glass using SGP lamination: 8 + 0.89 + 8 8 + 1.52 + 8 10 + 0.89 + 10 10 + 1.52 + 10
3	Aluminum top cover rail
4	Rear stabilization profile for glass: P.P + GF 20%
5	Glass tilting and leveling mechanism: P.P + GF 20%
6	Triple locking mechanism (3-action): P.P + GF 20%
7	EPDM: Sealing gaskets
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



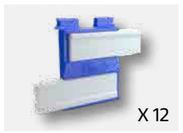


Glass Kit 3.0m includes:

Leveling & Alignment Mechanism



Triple Action Locking Mechanism



Glass Back Support



Extention



Cover Clips



EPDM Sealing Gasket



EPDM Glass Spacers

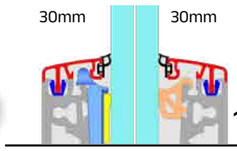


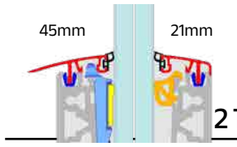
* Must be cut by the installer

Compensation Shim

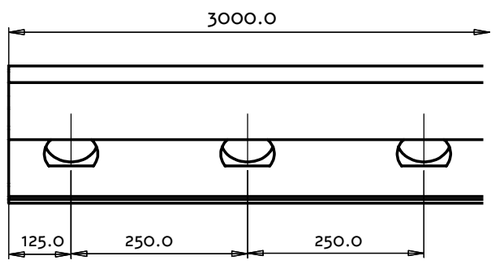


Cover Sets Options





Order Kit	
Fine Profile 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 36 - 38 of this manual.

TOMAK
DRY GLAZING SYSTEM ONE STEP AHEAD

1993 - 2027 **ONE STEP AHEAD**

TK 400 | UNIVERSAL INSTALLATION SUPPORT TOOL



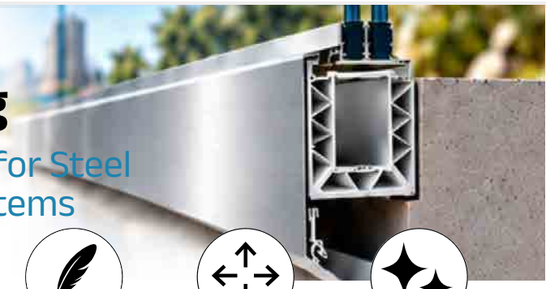
Compatible with TOMAKSteel-Angle Mounting Systems

PRODUCT BENEFITS:

- Laser-Precise Leveling
- Supports Heavy Aluminum Profiles
- No Manual Holding During Fixing
- No Re-Leveling Required
- Removable & Reusable

Minimal Cladding

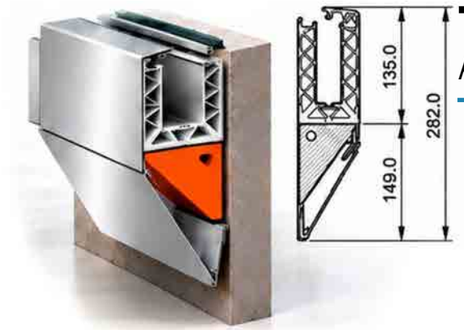
Clean Finish for Steel Support Systems



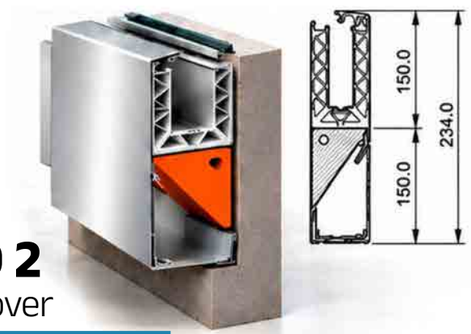
Lightweight
Easy installation

Multiple Offsets
For different distances from the wall

Clean & Elegant
Brushed aluminum finish



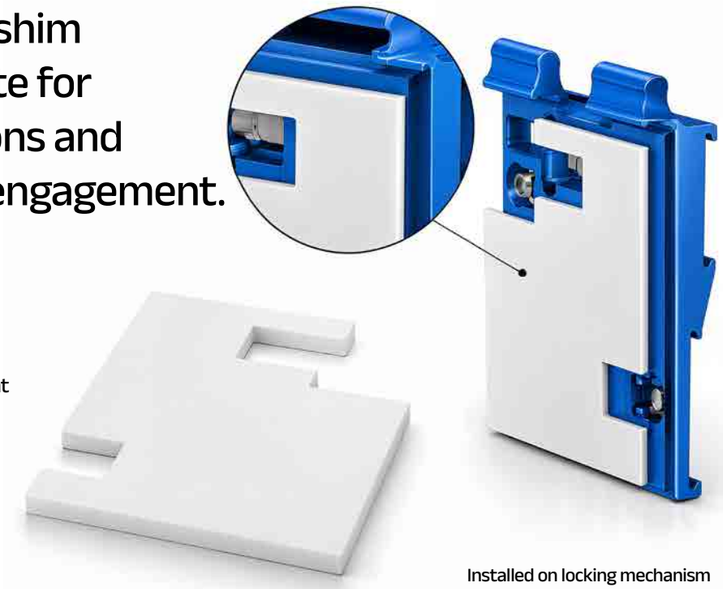
TK-CLD 1
Angle Cover



TK-CLD 2
Straight Cover

GLASS THICKNESS COMPENSATION SHIM

Self-adhesive Rokalon shim designed to compensate for glass thickness variations and ensure proper locking engagement.



Installed on locking mechanism

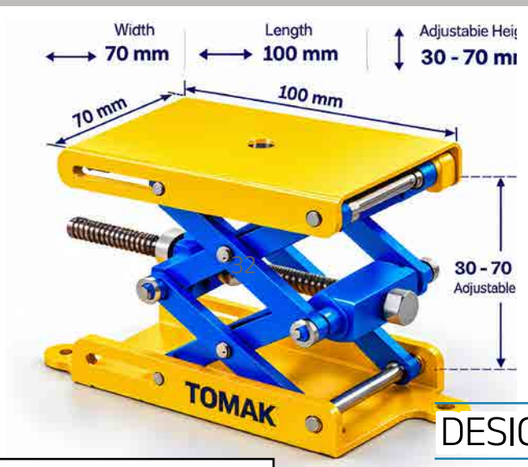
Compensates for non-nominal glass thickness

Ensures proper locking engagement

Self-adhesive Rokalon material

Set of 4 pieces

TK LD 3070 | PRECISION LEVELING DEVICE



Adjustable Support Unit

TOMAK-Innovation Beyond Railings

TOMAKcontinuously develops smart installation solutions designed to simplify installation, reduce labor, save time, and improve precision.

Easy Leveling
Precise leveling of 3 meter aluminum railing

RELIABLE & MAINTAINABLE
Simple and safe disassembly

Adjustable Height
Independent adjustment from 30 to 70 mm

Easy Installation
Level, anchor, and complete the concrete infill

DESIGNED FOR SIMPLICITY

Uneven Concrete
Perfect leveling even on irregular concrete surfaces

Less Labor, Less Time
Faster installation with reduced manpower



TOMAK
DRY GLAZING SYSTEM **ONE STEP AHEAD**

HOTEL BALCONY PRIVACY PARTITION | TK 3000





1 Profile TK 3000
Heavy-duty aluminum profile for balcony privacy partitions

2 Compatible with laminated glass:
21.5–16.89 mm

3 Aluminum top cover rail

4 EPDM: Sealing gaskets

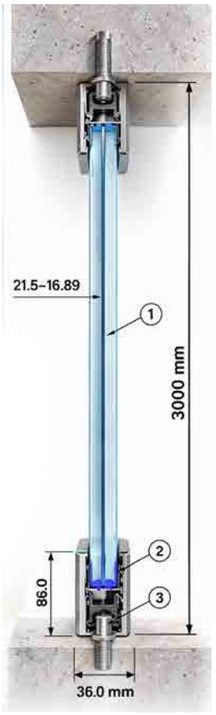
5 Concrete screw M10/M12
(recommended embedment depth min 100 mm)

6 Stainless steel nut and washer

3 m
Supplied In
3 Meter Lengths

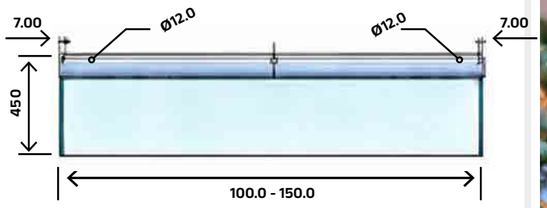
3000 mm
Maximum
Height

High
Strength

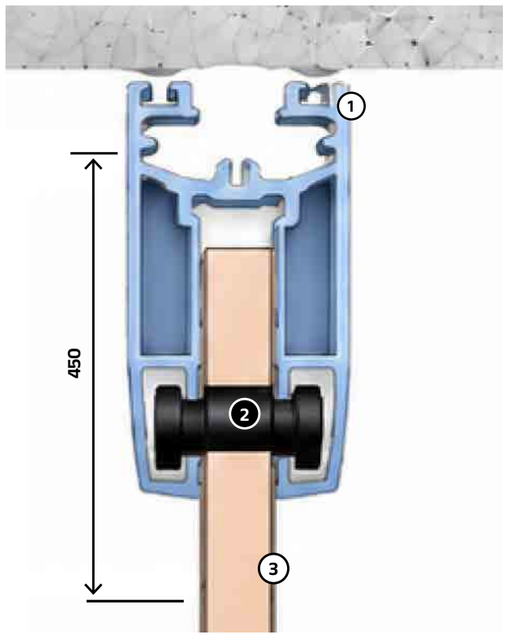


TK 450 | MINIMALIST GLASS WATER SCREEN SYSTEM

SYSTEM ELEVATION



SECTION DETAIL



1. Ceiling-mounted minimal aluminum profile (TOMAKpatented)
2. Glass safety pin
3. Glass panel (10 mm) 5+5



CONTAIN SPRINKLER WATER
Keeps water inside the corridor

IDEAL FOR ATRIUMS & MALLS
Maintains protection without compromising design

RELIABLE & MAINTAINABLE
Simple and safe disassembly

TOMAK
DRY GLAZING SYSTEM ONE STEP AHEAD

POOL MAX | TK 9000



Heavy-Duty Pool Railing System
Maximum Strength
Designed for Pool Environments





1. Profile TK-9000 Heavy-duty aluminum profile for pool environments
2. Compatible with SGP laminated glass:
   8 + 0.89 + 8
   8 + 1.52 + 8
   10 + 0.89 + 10
   10 + 1.52 + 10
3. Aluminum top cover rail
4. EPDM: Sealing gaskets
5. Concrete screw M10/M12
   (recommended embedment depth min 100 mm)
6. Stainless steel nut and washer

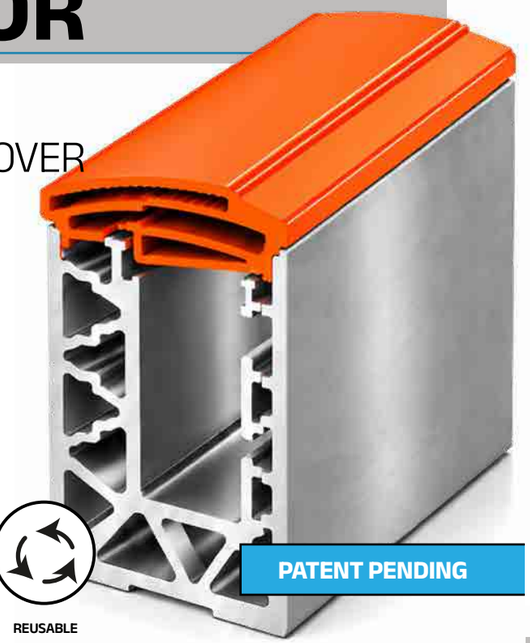
TOMAK PROTECTOR

ALL YEAR PROTECTION

UNIVERSAL **TELESCOPIC** PROTECTION COVER FOR ALL RAILING MANUFACTURERS, DISTRIBUTORS & INSTALLERS

Regardless of the Aluminum Base Shoe System They Use.

The first universal telescopic protection cover for aluminum base shoe profiles.



PROTECTION ALL YEAR ROUND | WATER & DUST RESISTANT | KEEPS PROFILE CLEAN | NO TOOLS REQUIRED | DURABLE & LONG LASTING | REUSABLE

TOMAKSIDE CAPS

For Aluminum Base Shoe Profiles



AVAILABLE MODELS
TK-SC-8400
TK-SC-8200
TK-SC-7000
TK-SC-6200
TK-SC-6250

INDUSTRIALIZED CORNERS

For Aluminum Base Shoe Profiles



AVAILABLE MODELS
TK-COR-8400
TK-COR-8200
TK-COR-7000
TK-COR-6200
TK-COR-6250

GLASS TOP COVER

For Laminated Glass



TK-GC-20
10+10 mm (21.52 mm)



TK-GC-24
12+12 mm (25.52 mm)

AVAILABLE FINISHES

Silver Anodized

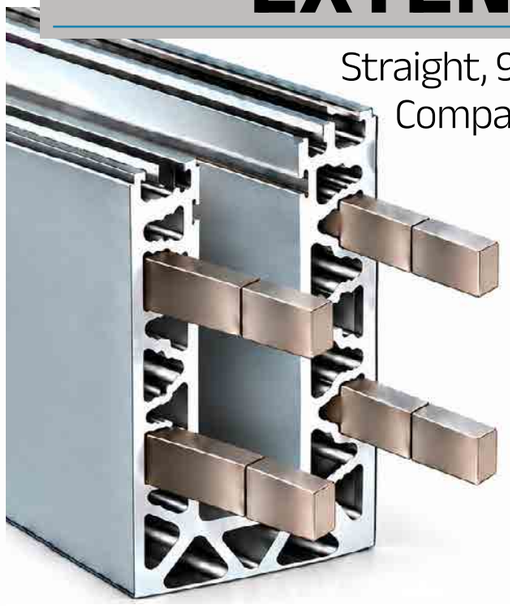
Black Anodized

All RAL Colors
Available Upon Request

TOMAK
DRY GLAZING SYSTEM **ONE STEP AHEAD**

EXTENSION SOLUTIONS

Straight, 90° Angle, and Variable Angle Extensions
Compatible with TK-8400 | TK-8200 | TK-6200





Straight Extension



Angle Extension 90°

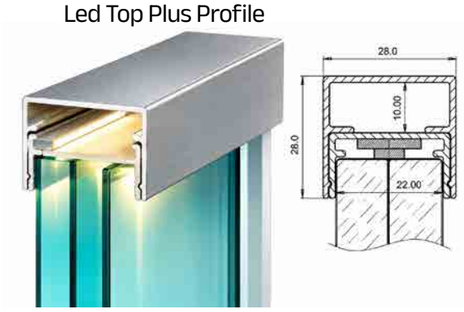


Variable Angle Extension

SMART LED SOLUTIONS

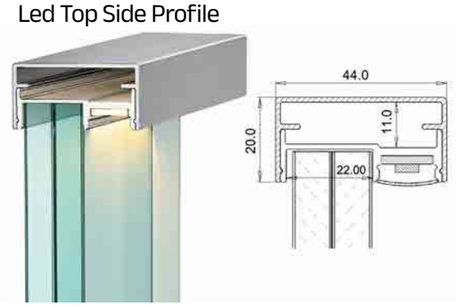
OPTION 1

Led Top Plus Profile



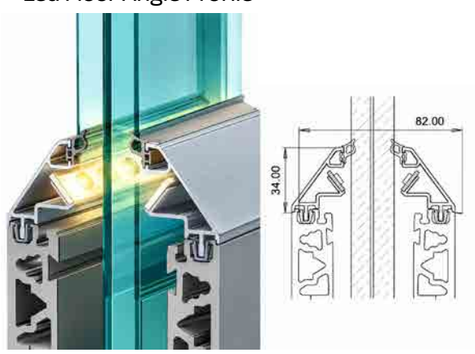
OPTION 2

Led Top Side Profile



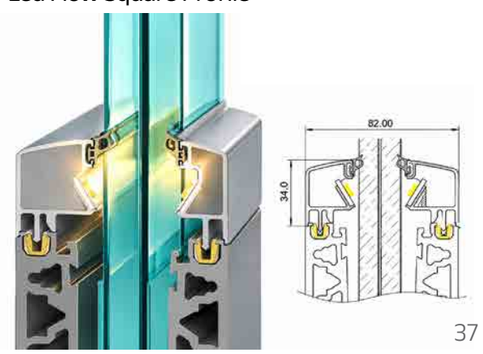
OPTION 3

Led Floor Angle Profile



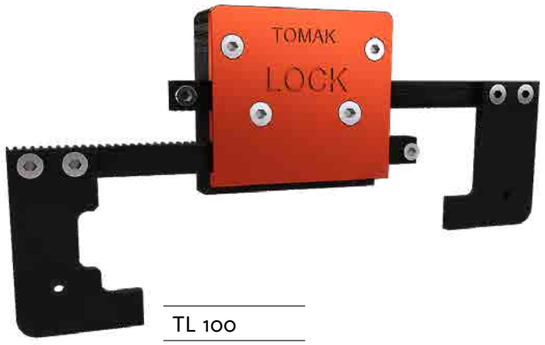
OPTION 4

Led Flow Square Profile



TOMAK TOOL BOX (INCLUDED)

Lock



TL 100

UnLock



TL 105

TOMAK Alignment Handle



TAL110

TOMAK Extension Socket Bolt 1/2



TEX150

TOMAK Position Level



TPL115

TOMAK Hammer



TH155

TOMAK Ratchet 1/2 Lock



TRL120

TOMAK Glass Fixing Handle



TGF125

TOMAK Power Lever 1/2 X 500



TPL130

TOMAK Glass Clamp



TH140

TOMAK Sockets Bolt



TSB 19



TSB 17



TSB 19



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

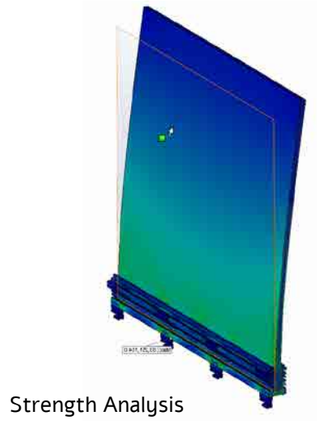
TÜVRheinland®
Precisely Right.

Testresults

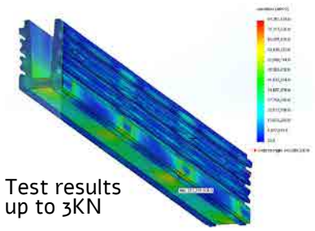
Test results after execution of the test(s) according to National Annex A, Static horizontal loads on parapets and wall partitions acting as barriers and National Annex B, Impact loads on parapets and wall partitions acting as barriers at a difference of heights of EN 1991-1-1 [1, 2]:

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.			
	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

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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

Require-ment 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.		
		Gemeten/beoordeeld	
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.	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





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Get the Complete Material List and a Quotation.

An online planning and quotation tool for TOMAK railing systems - enabling fast configuration, precise design and automatic material output, directly from the project site or office.



Metric (mm) edition

US 16/331, 194

EP17848291.5

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