

GM SLIDING SYSTEMS
PRODUCT REPORT

A photograph of a modern building with a glass facade, partially obscured by the branches of a tree in the foreground. The building has a long, horizontal profile with a series of vertical glass panels. The sky is a clear, light blue. The tree's leaves are green and detailed, framing the top and left sides of the image.

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A photograph of a modern building with a glass facade. The building has multiple stories with large windows and glass railings. A tree with green leaves is in the foreground, partially obscuring the building. The sky is clear and blue.

GLAS MARTE COMPANY PROFILE

Innovative development, competent advice, detailed planning and accomplished execution – you will find all this at Glas Marte combined in a single operation.

Founded in 1930, the company has gradually expanded its knowledge about the versatile building material that is glass, and now offers a wide product range, starting with flat and

insulating glass, a variety of surfaces, multi-award-winning sliding and holding systems as well as delicate glass partition wall systems, through to DIBt-tested glass railings. Whether for indoors or outdoors, in private or public buildings – the more complex the requirements, the more innovative and creative the idea, the better you will be taken care of by Glas Marte.

GM SLIDING SYSTEMS FOR BALCONY, PATIO & LOGGIA

Advantages of the GM SLIDING SYSTEMS:

- » SYSTEM VARIETY
- » VARIABLE AND DURABLE
- » SOPHISTICATED DESIGN
- » LOW MAINTENANCE
- » EASY ASSEMBLY

Frameless:

Glas Marte offers versatile, frameless sliding systems, specifically adapted, solid and weatherproof. Balcony, patio or loggia becomes an extended living room. Smooth, glass facade surfaces and slender, barely visible system profiles create maximum transparency and lightness. Vertical, slender glazing gaskets are available on enquiry.

System variety:

Nine different GM SLIDING SYSTEMS – top-hung or bottom-mounted – for practical solutions to every application: for large and small areas, for deep and very narrow balconies, floor-to-ceiling or from parapet height, insulated or uninsulated.

Variable and durable:

Depending on the system, the sliding elements can be opened at any place. Operation takes place in line. By doing away with foldability or rotatability of the glass panes, the full usable area is retained, especially in the case of balconies with a low depth.

With Glas Marte, in contrast to other systems, the glass is held in the upper running shoe by bonding. Depending on the system, there is an additional retaining device with bolts. This guarantees the exact glass position.

Sophisticated design:

The sliding elements run on one to five tracks – quietly thanks to plastic-coated stainless steel ball bearing rollers. With the simple to operate comfort package, several glass panes can be coupled together and moved to the left and right at the same time; they can be unlocked again by simply tapping with the foot. Particularly low running rails make the systems barrier-free.

Low maintenance:

Glas Marte can look back on 40 years of experience and 100,000 installed, maintenance-free sliding elements. The high level of customer satisfaction speaks for itself. GM LIGHTROLL® and GM TOPROLL® are quality brands for sustainable balcony and patio use.

Maintenance and care are reduced to a minimum: Glas Marte uses only high-quality materials for all solutions, such as aluminium profiles, stainless steel ball bearing rollers and concealed, weather-resistant brush seals. All fittings are protected against corrosion and mounted concealed in the profiles. The systems thus also defy sub-zero temperatures. The glass edge itself is perfectly protected by the running shoe. The drainage is also installed in the visible area – dirt that collects over time can easily be removed. Deep grooves have been completely dispensed with.

Easy assembly:

Simple installation is a matter of course with Glas Marte. Height adjustability and tolerance compensation are easily possible. Once installed, the height in the rail can be compensated if the substructure settles further.

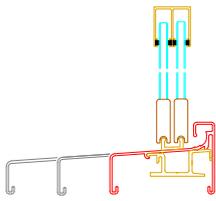
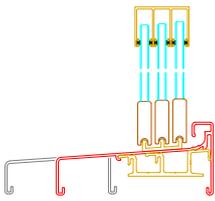
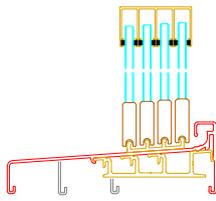
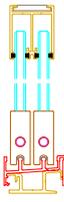
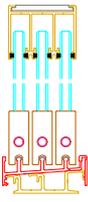
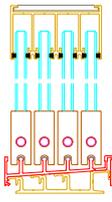
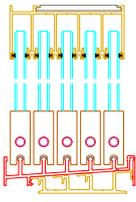
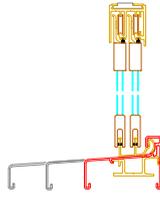
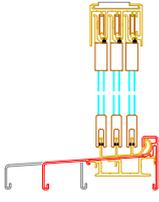
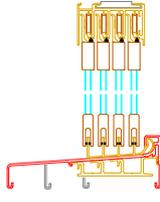
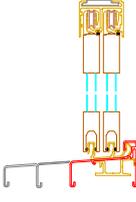
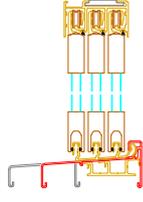
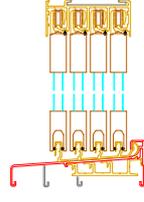
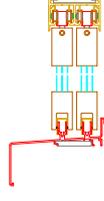
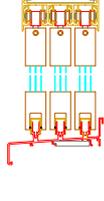




GM SLIDING SYSTEMS

FOR BALCONY, PATIO & LOGGIA

bottom-mounted	<p>GM LIGHTROLL® 6/8 2, 3 and 4-track Opening width up to 75 % Glass thicknesses: TSG 6 & 8, LSG/TSG 6.2 & 8.2 Sliding glass weight ≤ 40 kg (max. dimensions: 0.75 m × 2 m)</p>
	<p>GM LIGHTROLL® 10/12 2, 3, 4 and 5-track Opening width up to 80 % Glass thicknesses: TSG 10 & 12, LSG/TSG 10.2 Sliding glass weight ≤ 80 kg (max. dimensions: 1.3 m × 2.5 m)</p>
top-hung	<p>GM TOPROLL® 6/8 2, 3 and 4-track Opening width up to 75 % Glass thickness: TSG 6 & 8, LSG/TSG 6.2 & 8.2 Sliding glass weight ≤ 80 kg (max. dimensions: 2.3 m × 2.3 m)</p>
	<p>GM TOPROLL® ONE 1-track Opening width up to 100 % Glass thicknesses: TSG 10 & 12, LSG/TSG 10.2 Sliding glass weight ≤ 100 kg (max. dimensions: 1.4 m × 2.8 m)</p>
	<p>GM TOPROLL® 10/14 2, 3 and 4-track Opening width up to 75 % Glass thicknesses: TSG 10 & 12, LSG/TSG 10.2–12.4 Sliding glass weight ≤ 100 kg (max. dimensions: 1.4 m × 2.8 m)</p>
	<p>GM TOPROLL® 15/24 2 and 3-track Opening width up to 66 % Glass thicknesses: TSG 15 & 19, LSG/TSG 16.2–24.4 Sliding glass weight ≤ 200 kg (max. dimensions: 1.6 m × 3.2 m) – custom formats on enquiry</p>

Opening width				
up to 100 % (1-track)	up to 50 % (2-track)	up to 66 % (3-track)	up to 75 % (4-track)	up to 80 % (5-track)
				
				
				
				
				
				







GM TOPROLL® ONE

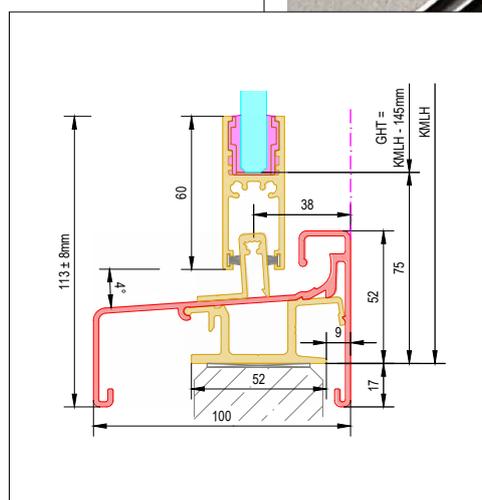
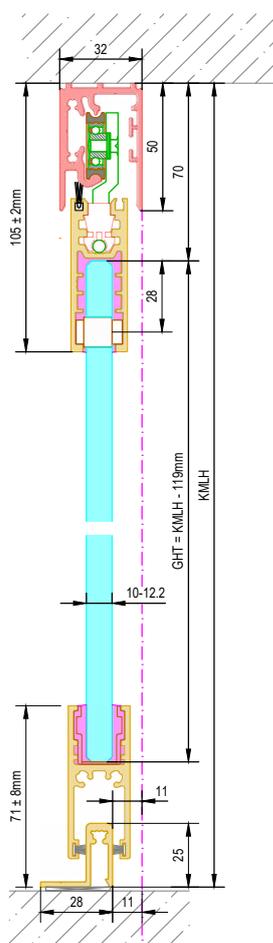
TOP-HUNG SLIDING SYSTEM

Advantages of GM TOPROLL® ONE:

- » PROTECTED RUNNING SURFACES
- » AS A WINDOW SHUTTER OR SUNSHADE
- » GREAT FREEDOM OF DESIGN
- » MANY VARIANTS (CONSTRUCTION TOLERANCES)

GM TOPROLL® ONE is a frameless sliding system with a top-hung all-glass sliding element for systems up to 2,800 mm in height.

The system can be used, for example, for floor-to-ceiling, narrow balcony glazing or for wind and sun protection on patios and loggias. Due to the many design combination possibilities (such as ceiling mounting or wall mounting), a wide range of applications can be realized. GM TOPROLL® ONE has an effective height (running rail and running shoe profile) of only 105 mm. The glass panes are held in the upper running shoe by bonding and additionally by a retaining device. The stoppers specially developed for this system are designed with an overrun brake.



Flat guide rail

System with weather sill





GM TOPROLL® 15/24

TOP-HUNG SLIDING SYSTEM

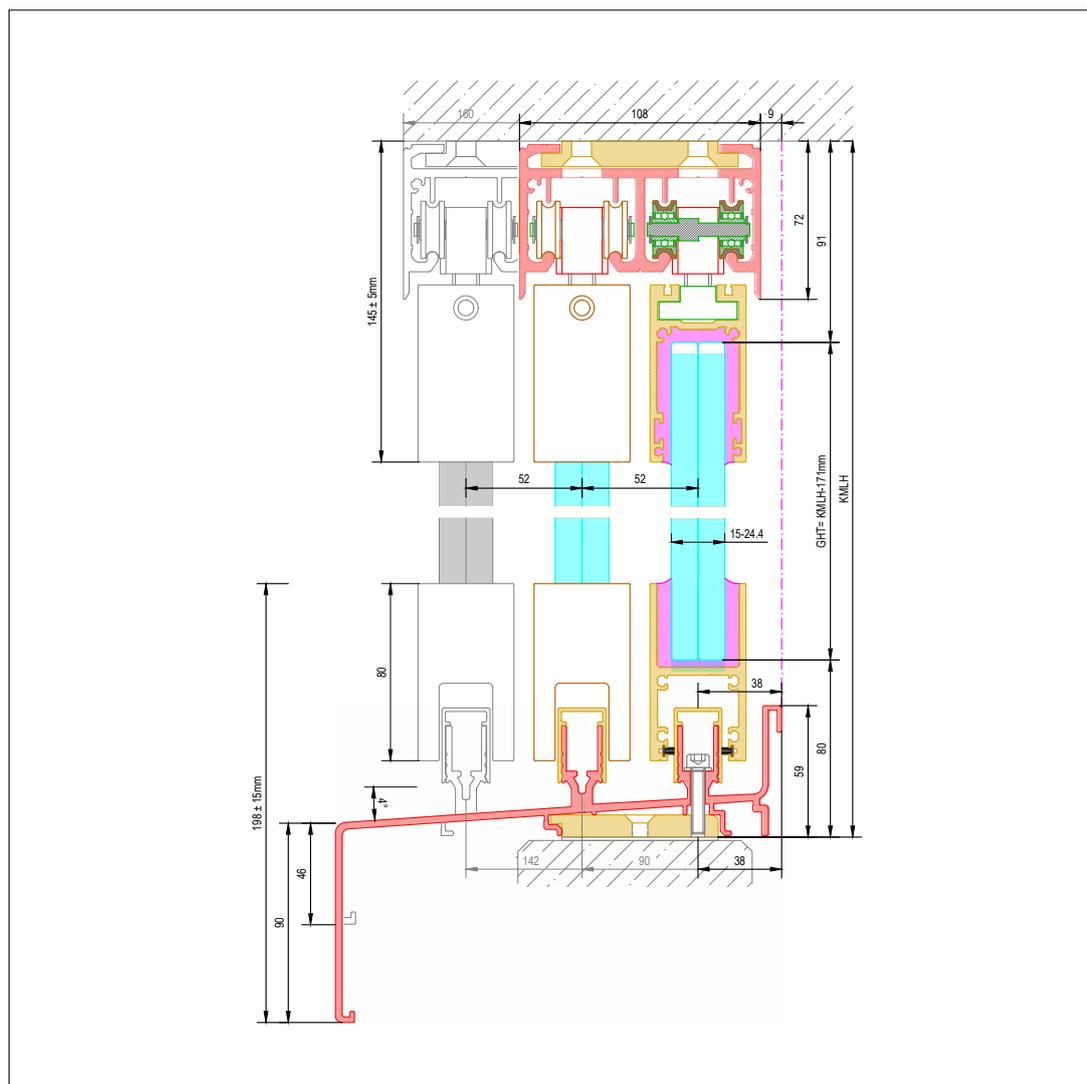
Advantages of GM TOPROLL® 15/24:

- » FOR VERY HIGH GLASS WEIGHTS
- » STURDY UNDER THE HIGHEST LOADS
- » VERY WIDE RANGE OF CONFIGURATIONS

GM TOPROLL® 15/24 is a frameless sliding system with top-hung all-glass sliding elements. The system is an ideal glass construction system for floor-to-ceiling balcony glazing as

well as for sound insulation and thermal buffer zones in both new and renovated buildings. GM TOPROLL® 15/24 is suitable for system heights up to 3,200 mm; custom versions are available on request.

A height compensation of ± 5 mm can be achieved with the clip profiles attached to the lower guide rail. This increases the clamping depth of the sliding elements into the guide rail and significantly improves the static properties of the overall construction.



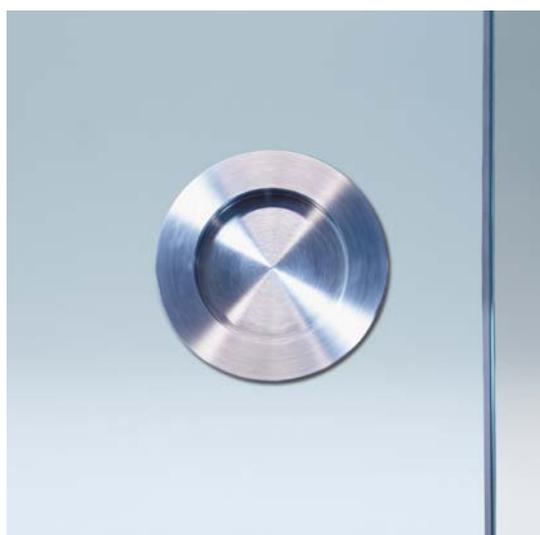


HANDLES & FUNCTIONS

ACCESSORIES FOR GM SLIDING SYSTEMS

GM SLIDING SYSTEMS are particularly easy to operate: With the elegant stainless steel handle solutions, they fit well in the hand. Thanks to the practical catch function, several sliding

elements can be moved simultaneously – and it's easy to activate and deactivate with the foot. The system-integrated fly screen runs in its own track and requires no additional space.



GM SHELL HANDLE (ROUND)



GM SHELL HANDLE (RECTANGULAR)



GM COMFORT PACKAGE (catch function for GM LIGHTROLL® 10/12)



GM I-STOP (system-integrated fly screen for GM LIGHTROLL® 10/12)



GLASS DESIGN UNIQUE EFFECT

Glass can be mirror-smooth and transparent. But it doesn't have to be. Glas Marte has developed and continues to develop various glass processing options – from high-quality

sandblast engraving and various types of printing through to structured glass or the integration of fine embroidery or colour foils into the glass.



GM SATINATO®



GM PHOTO PRINT



GM LAMIMART®



GM PRINTMART®



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