



BRITAL

ALUMINIUM SYSTEMS DESIGN

/ Slim Sliding Systems



brital.ae



Founded in the United Kingdom, Brital brings over 25 years of expertise in comprehensive aluminium systems — from façades to doors and windows. With a strong presence in Dubai and across the globe, our systems combine British quality with global adaptability to meet diverse project requirements



Slim Sliding Glass Systems in the **Middle East**

In the Middle East, slim sliding glass systems have become a cornerstone of modern architecture, offering a perfect balance of aesthetics, functionality, and energy efficiency. Their sleek design and expansive views create seamless connections between indoor and outdoor spaces, enhancing the overall experience of any building while maximizing natural light and reducing reliance on artificial lighting.

These systems are also highly durable, designed to withstand the region's harsh climate, making them a practical and sustainable investment. Beyond visual appeal, they improve insulation, contribute to energy efficiency, and enhance property value, establishing themselves as essential solutions for architects, developers, and consultants committed to modern, sustainable design.

Door Typologies in **Architectural Design**

In contemporary Middle Eastern architecture, understanding door typologies is essential for achieving both aesthetic expression and functional performance within a building.

Architects and consultants can choose from a variety of solutions — minimal sliding systems that create seamless continuity between indoor and outdoor spaces, fixed panoramic glazing that maximizes visual transparency, or corner and central opening configurations that enhance spatial dynamics and architectural rhythm.

Each typology can be tailored to the design concept, ensuring façades that combine natural light, visual connection, and sleek profiles with the highest standards of thermal insulation, acoustic comfort, and long-term durability.



Slim Sliding

The TB25 is a slim sliding door designed for maximum light, elegance, and thermal efficiency. Its minimal profiles create almost seamless glazing, making the central sashes nearly invisible. Flexible and modern, TB25 adapts to both standard windows and large openings, offering a stylish and energy-efficient solution for any project.



Why Choose the **TB25** Slim Sliding ?

DESIGN • COMFORT • SECURITY



Ultra-slim profiles maximize daylight.



Multiple rails, corner & central openings, concealed thresholds.



Robust locking systems ensure strength and durability.



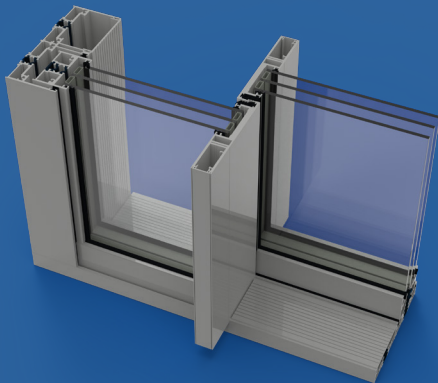
Optional concealed threshold for smooth passage and accessibility.



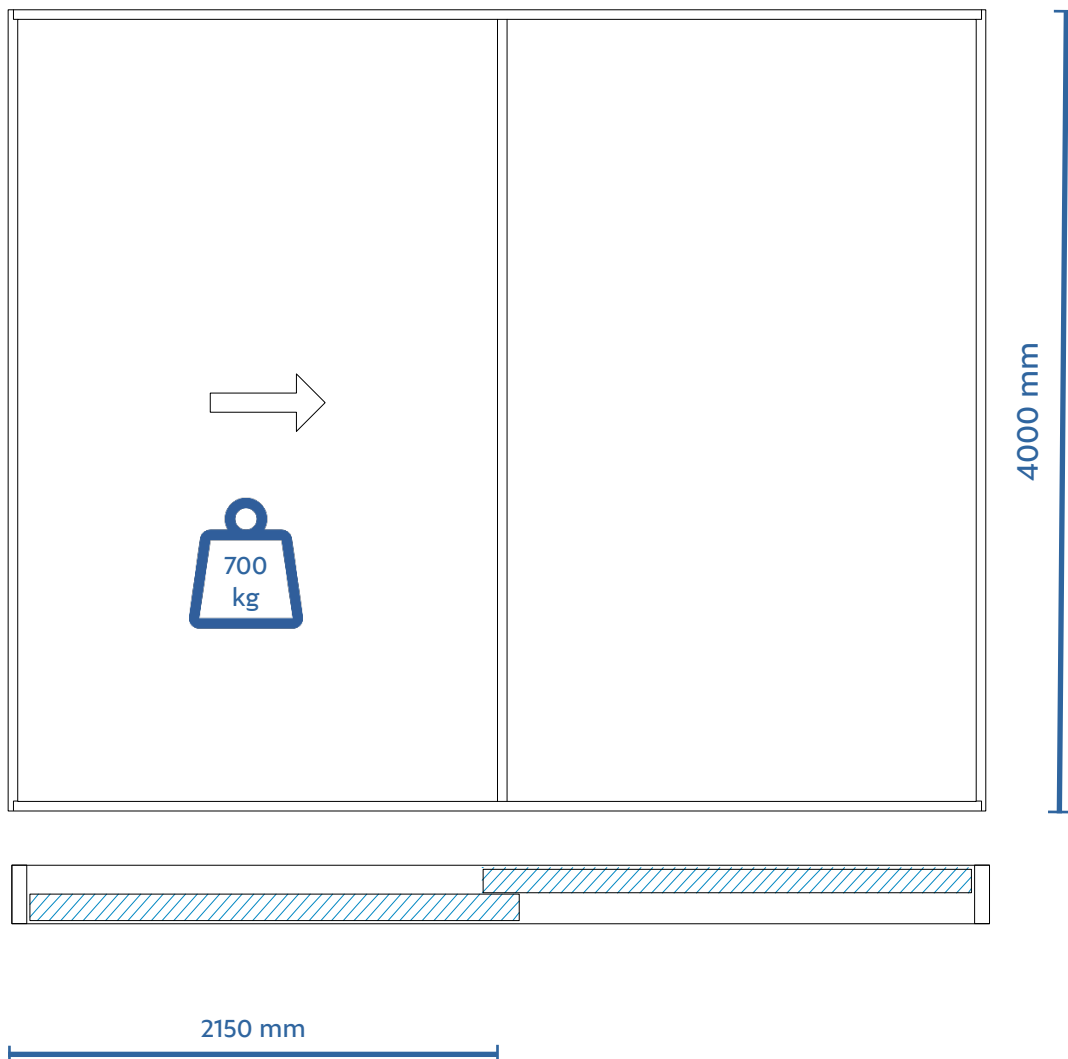
Preferred by architects for modern, sleek aesthetics.



High insulation for comfort & energy efficiency.



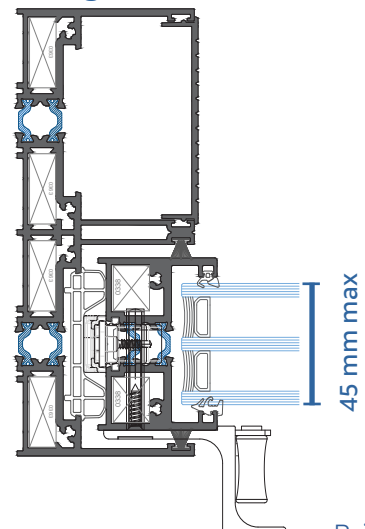
Panel Dimensions



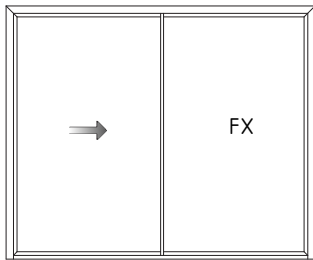
The system's panels can reach heights of up to 4000 mm, making them ideal for creating large, elegant openings.

Each panel supports up to maximum 700 kg.

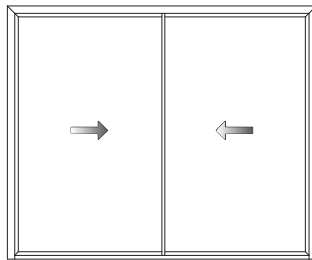
The Slim Sliding TB25 allows glazing up to 45 mm, enabling double or triple insulating glass units for enhanced thermal performance.



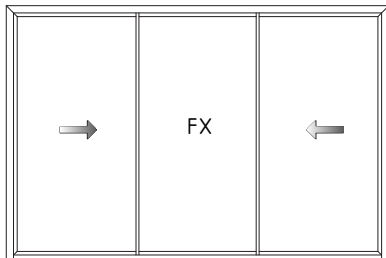
Typology of Slim sliding systems



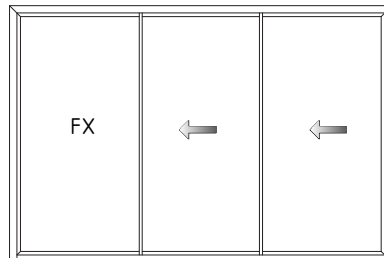
Operable Sash + Fixed Sash



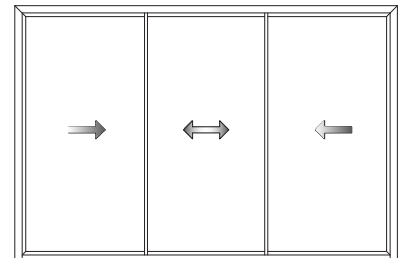
2 Operable Sashes



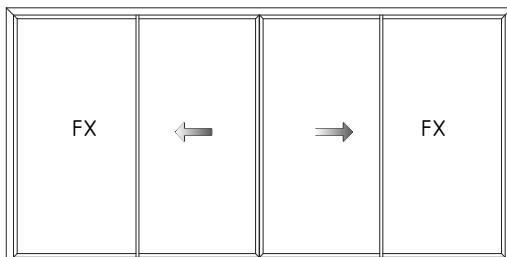
2 Operable Sashes + 1 Fixed Sash



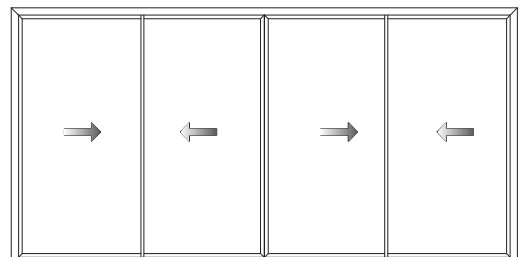
2 Operable Sashes + 1 Fixed Sash



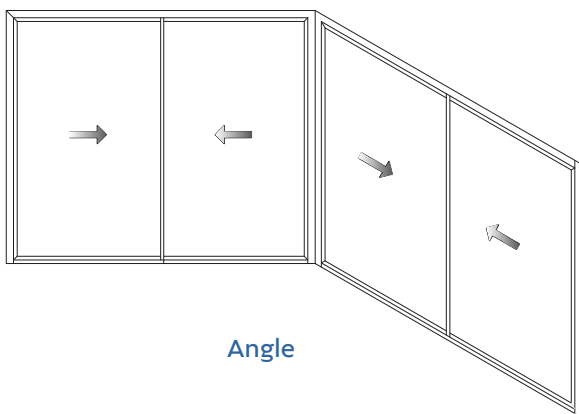
2 Operable Sashes



2 Operable Sashes + 2 Fixed Sashes



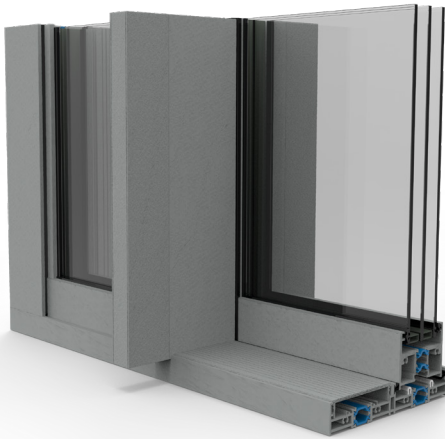
4 Operable Sashes



Angle

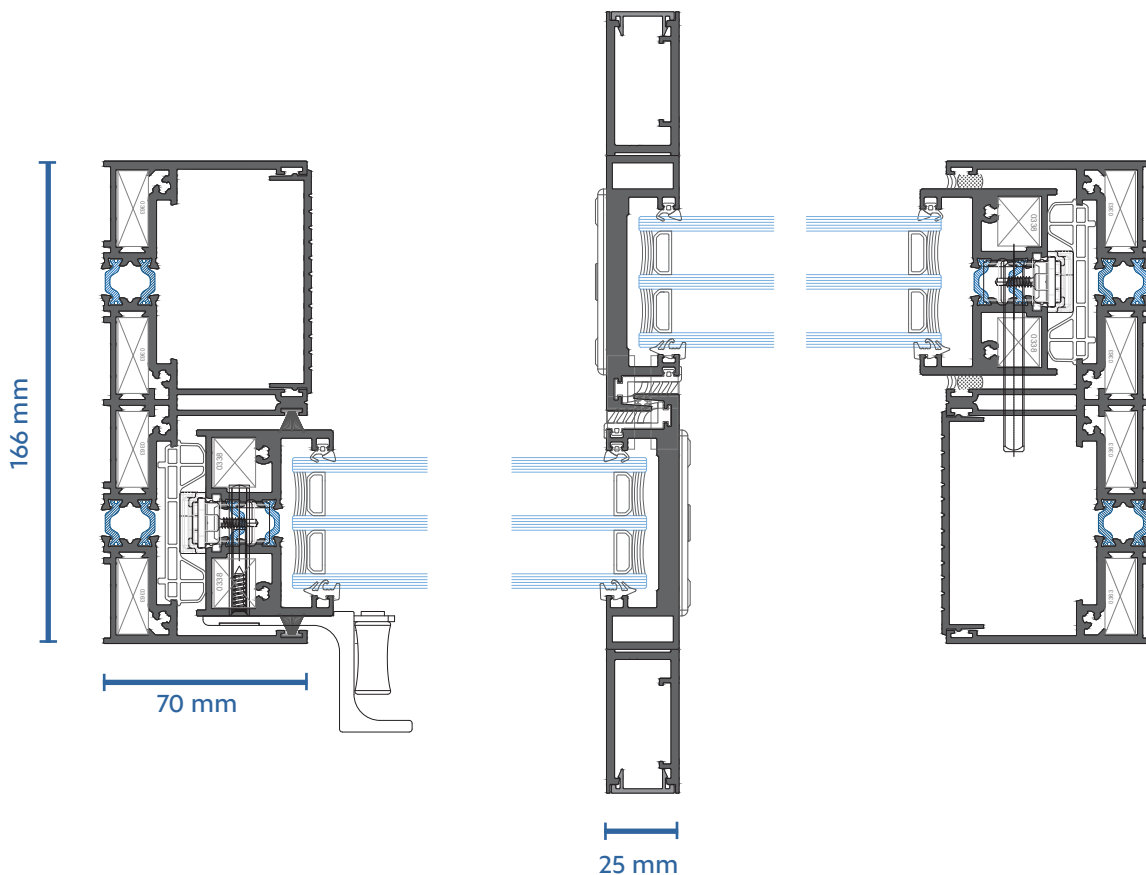
Technical Specifications

■ TB-25 | Slim Sliding



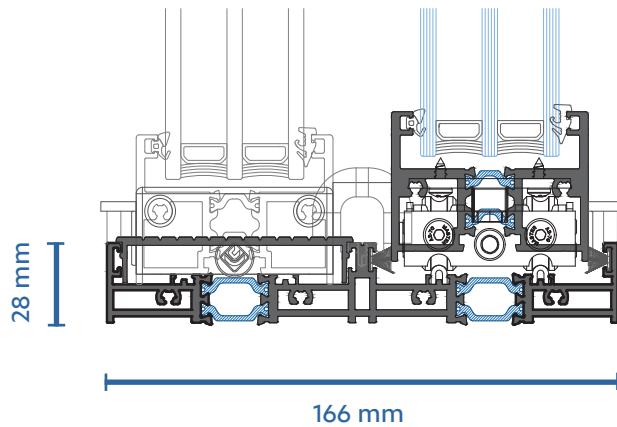
Presentation of the Series

Thermal break (TB): Yes 16/22 mm
Main frame: 25/70 mm
Main sash: 33.6/47 mm
Overall profile thickness: 1.5 mm
Maximum glazing: 45 mm
Maximum sash weight: 700 kg
Maximum height: 4000 mm
Narrow sight line interlock: 25 mm

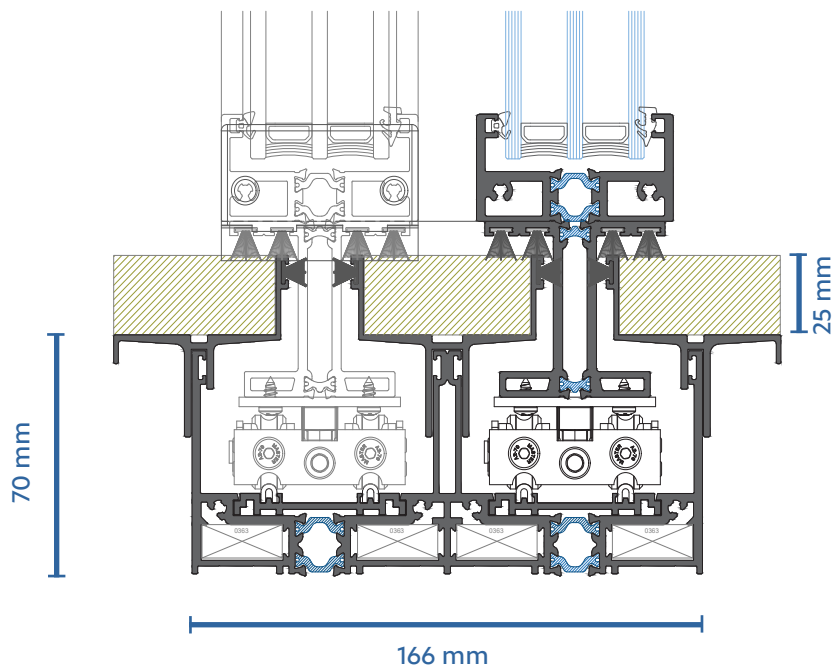


Technical Specifications

■ TB-25 | Slim Sliding



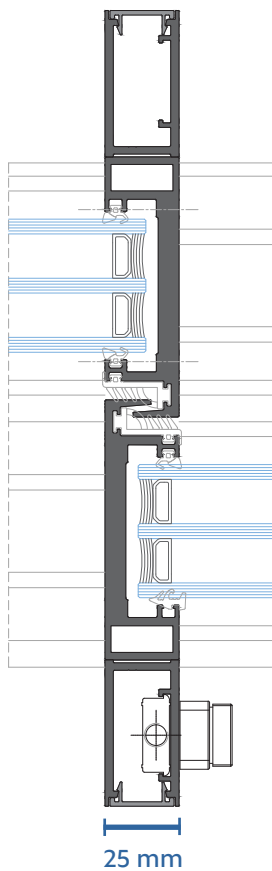
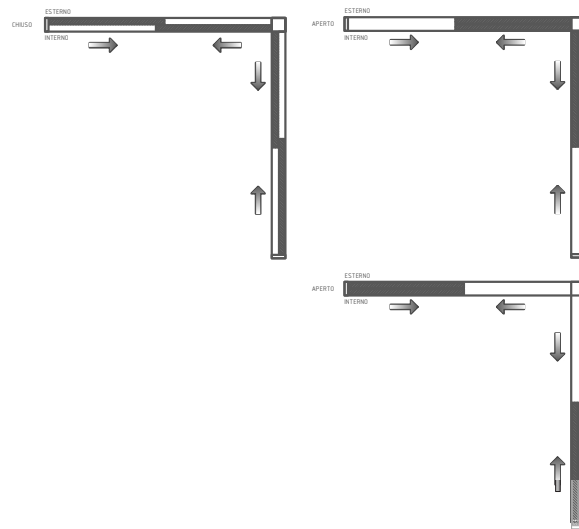
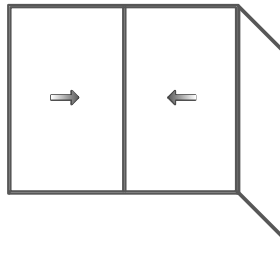
25 mm Standard Threshold



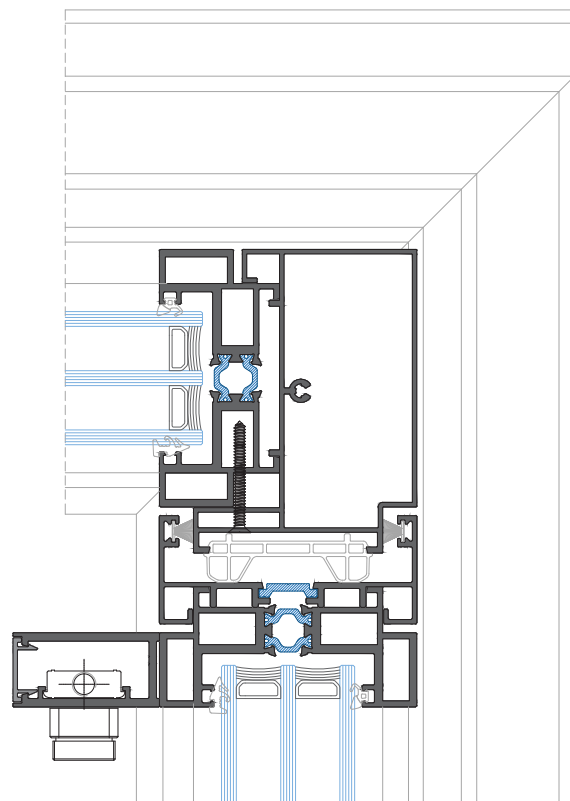
70 mm Concealed Threshold

Technical Specifications

■ TB-25 | Slim Sliding



25 mm



Section





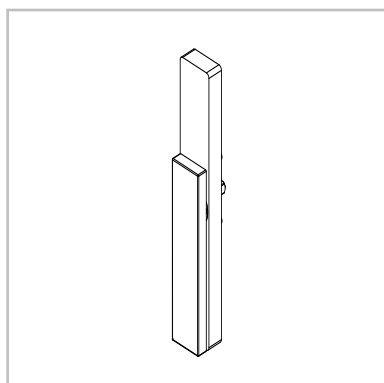
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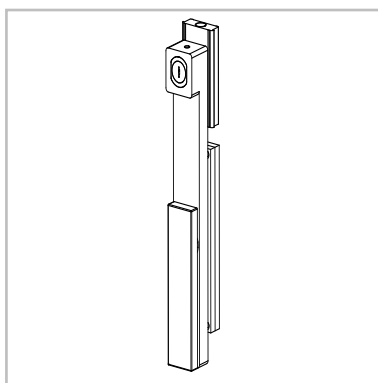


Flexibility of fittings

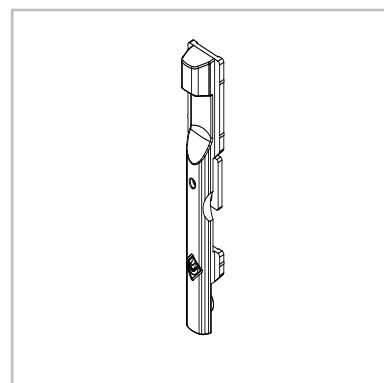
Master Italy accessories.



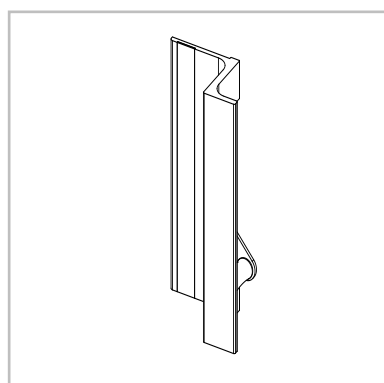
Handle
for slim sliding
[Art. 6585.21](#)



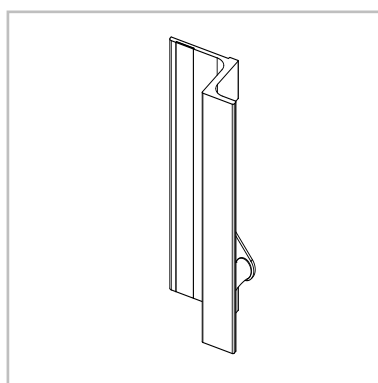
Handle for slim sliding
WITH KEY
[Art. 6585.22](#)



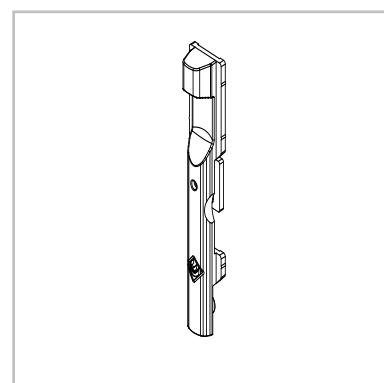
«SIRIO»
Slider
[Art. 4022.20](#)



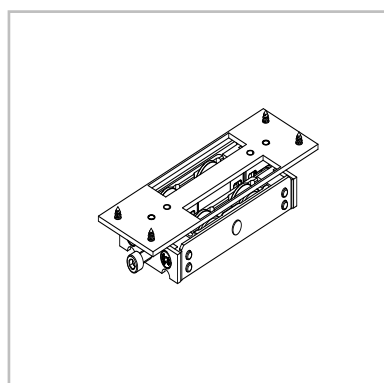
Handle
for slim sliding
[Art. PP6376.51](#)



Pull Handle
[Art. PP6376.49](#)

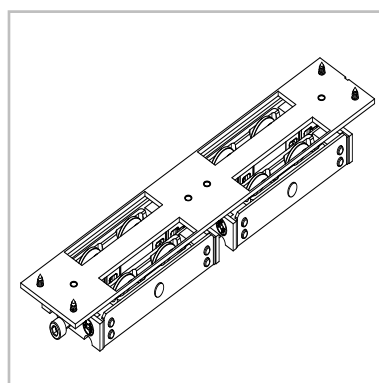


One way mechanism whi-
tout anti-false manoeuvre
[Art. 3627.10](#)



Balanced adjustable roller
for minimal sliding -
load max 500 kg/sash

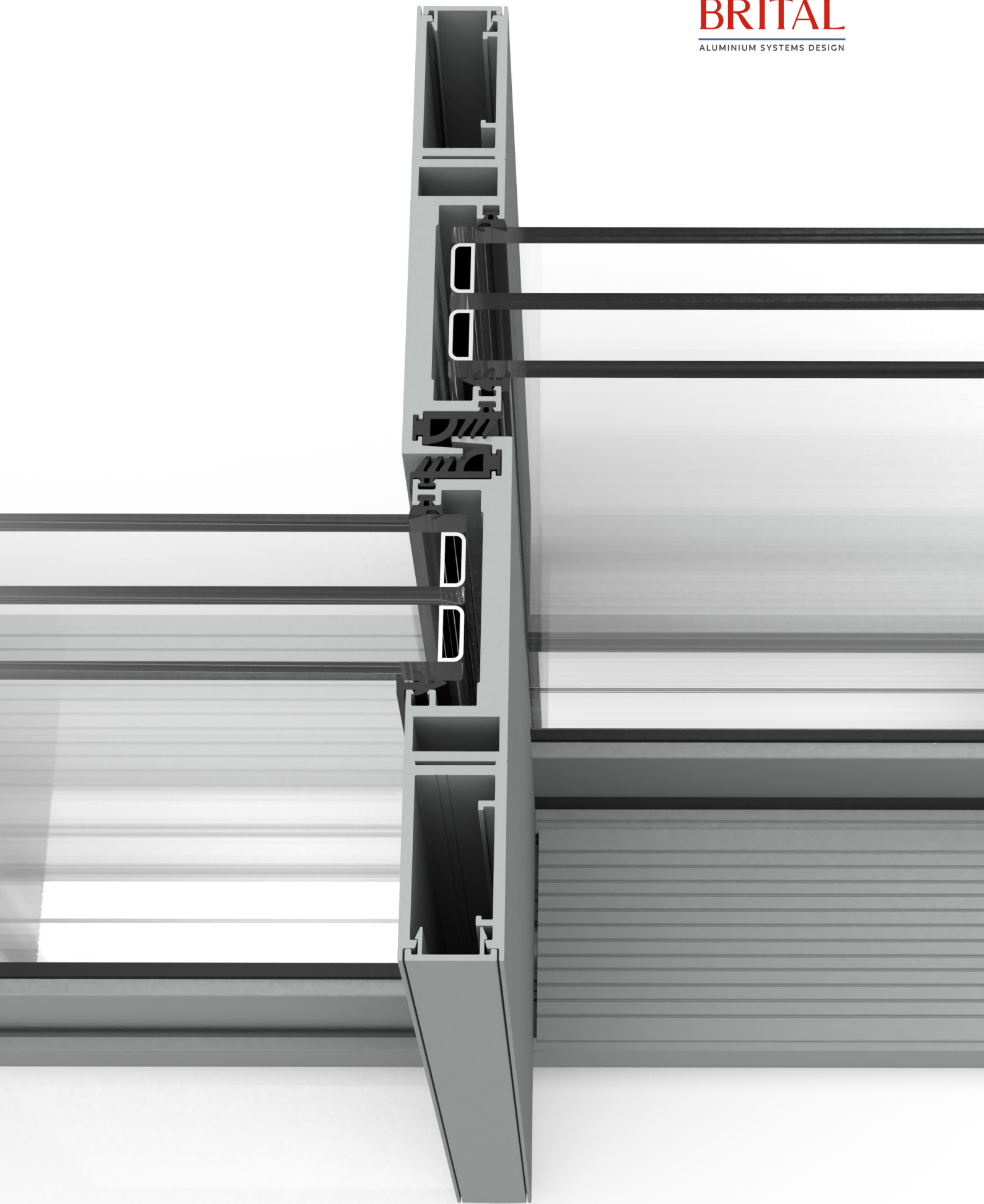
[Art. 6677.91](#)



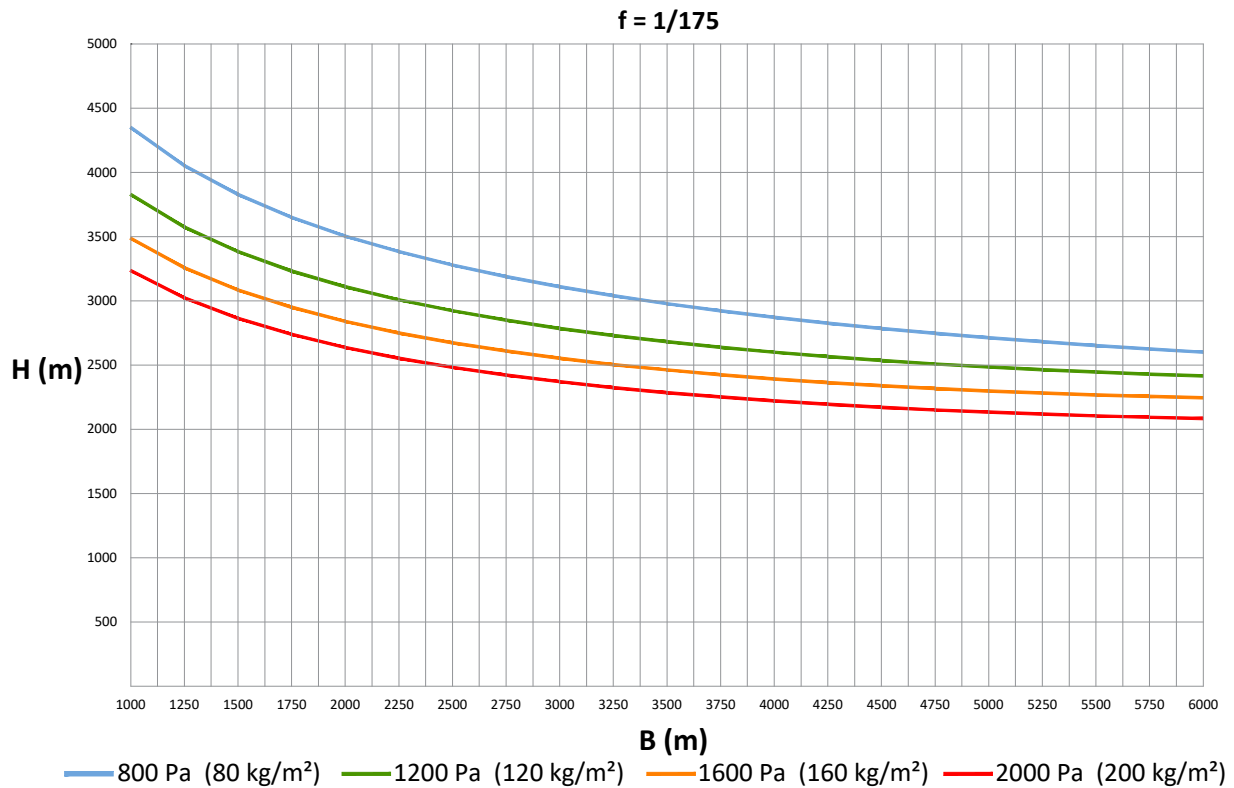
Balanced adjustable roller
for minimal sliding -
load max 700 kg/sash

[Art. 6677.92](#)

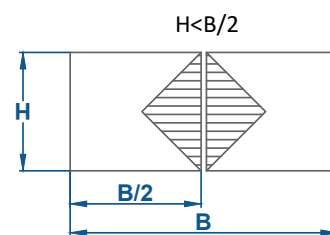
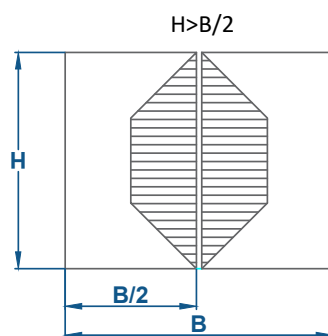




Mid Rail Loading Chart Without Reinforcement



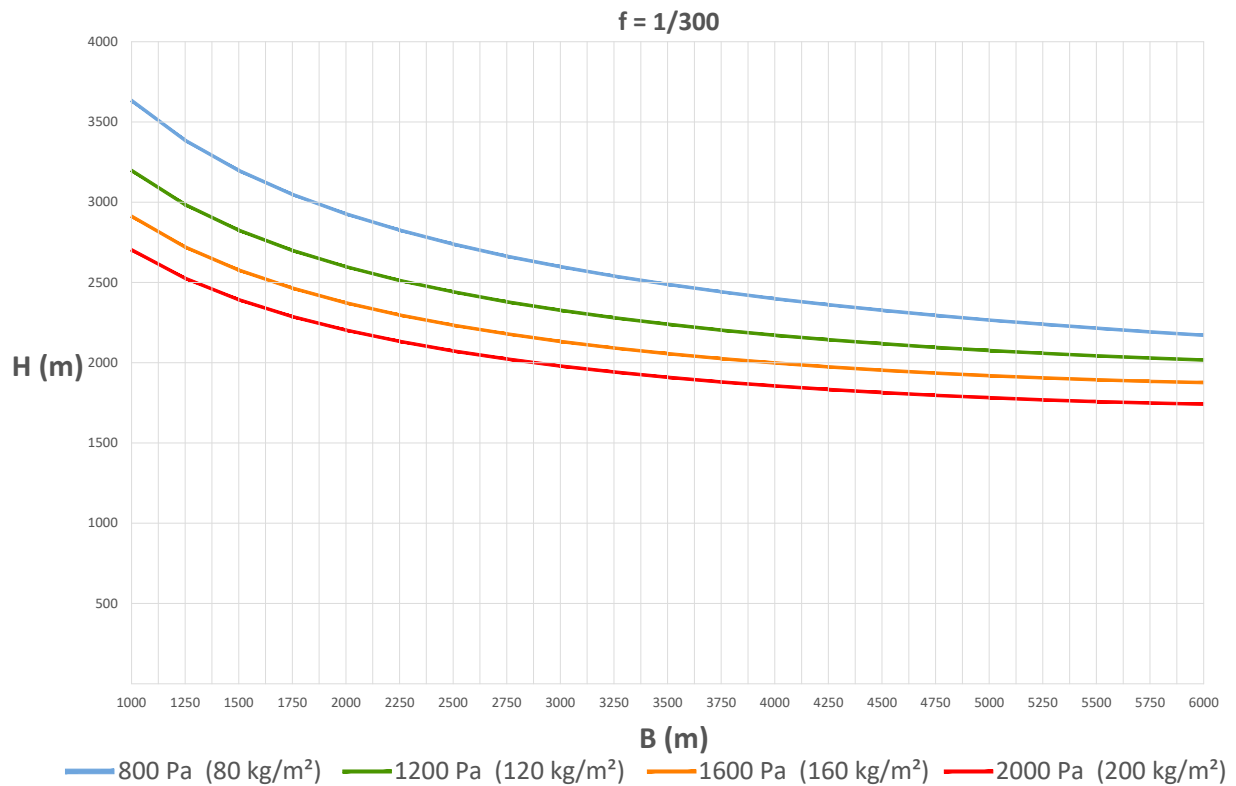
$$J_t = 106,77 \text{ cm}^4$$



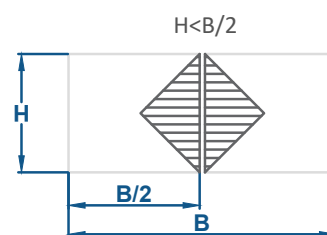
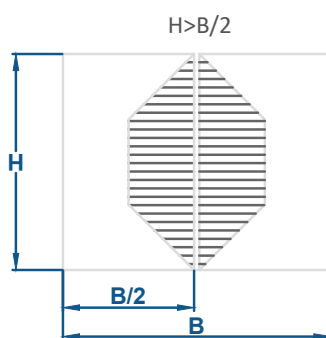
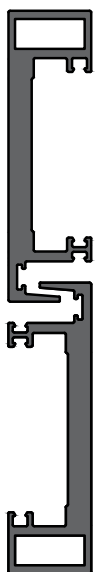
VERIFICARE CHE LA FRECCIA DEL PROFILATO SIA
COMPATIBILE CON IL VETRO IMPIEGATO

CHECK THAT THE DEFLECTION OF THE PROFILE IS
COMPATIBLE WITH THE GLASS USED

Mid Rail Loading Chart Without Reinforcement



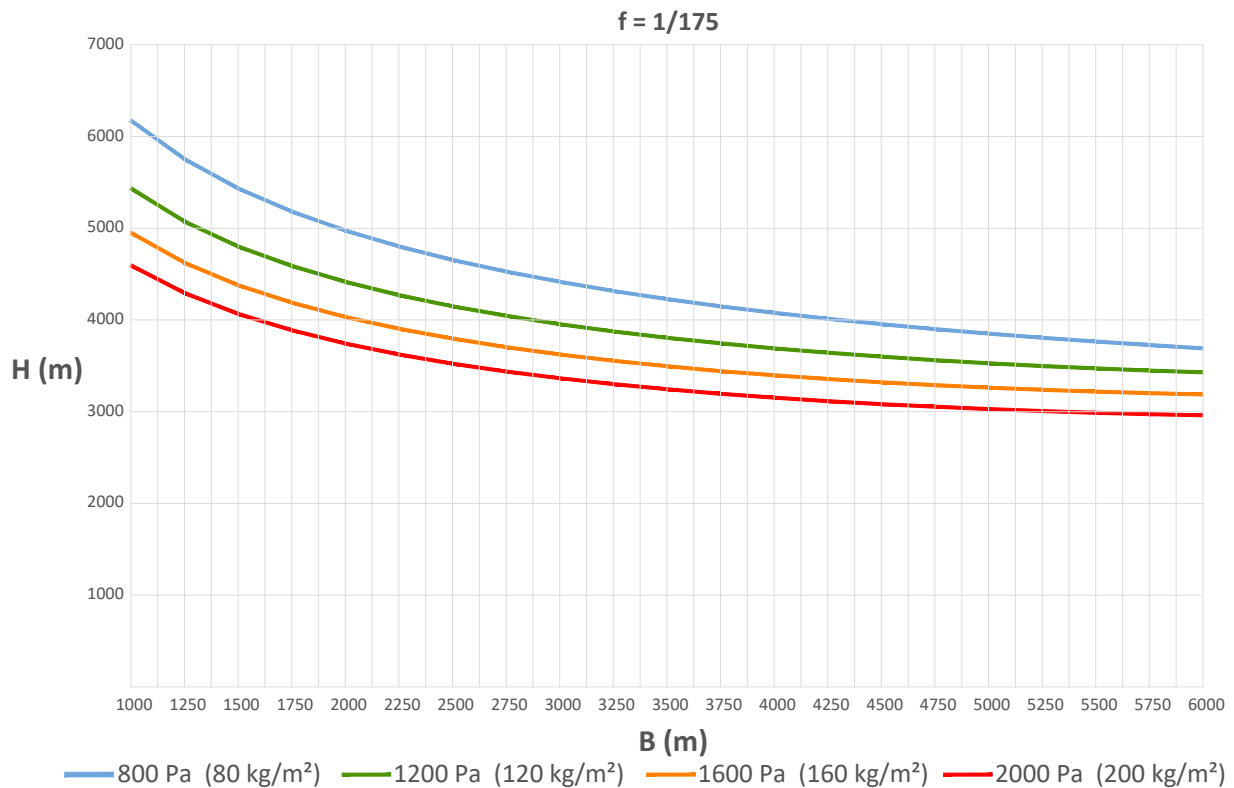
$$J_t = 106,77 \text{ cm}^4$$



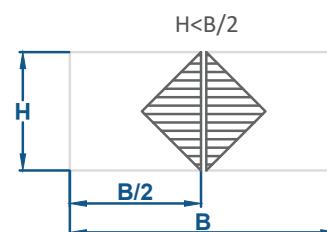
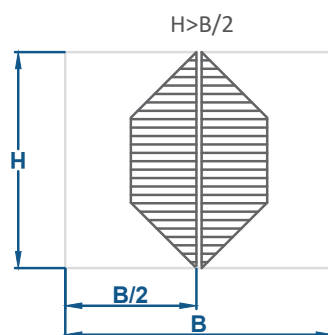
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Mid Rail Loading Chart With Reinforcement



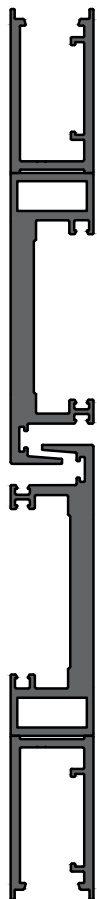
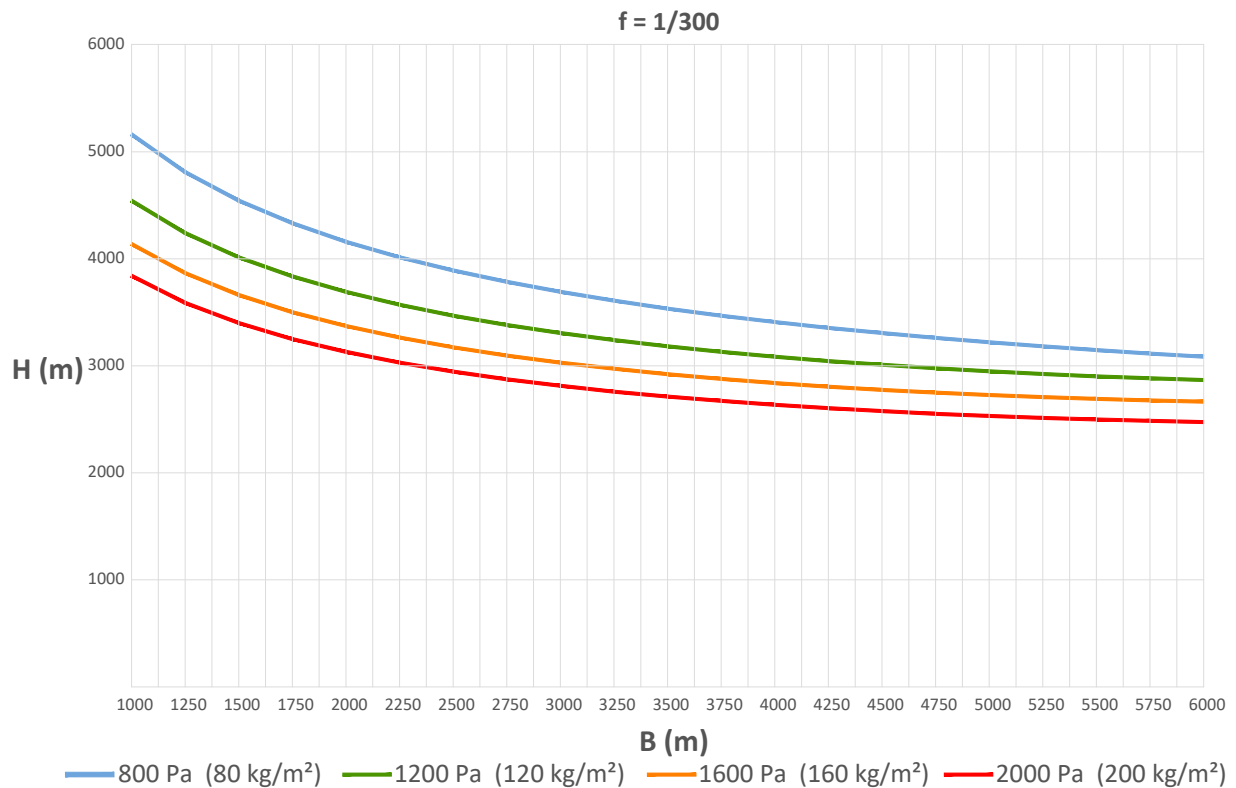
$$J_t = 305,81 \text{ cm}^4$$



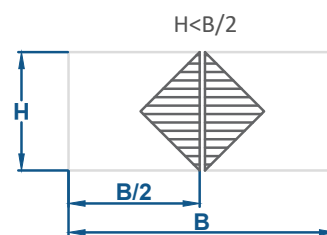
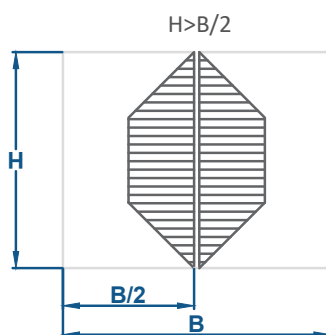
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COMPATIBILE CON IL VETRO IMPIEGATO

CHECK THAT THE DEFLECTION OF THE PROFILE IS
COMPATIBLE WITH THE GLASS USED

Mid Rail Loading Chart With Reinforcement



$$J_t = 305,81 \text{ cm}^4$$



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CHECK THAT THE DEFLECTION OF THE PROFILE IS
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