

# SCREE NER SYSTEM





# SCREE NER SYSTEM

Screeener products are vertical, weather-resistant window screens - a proven and recognized solution in terms of sun protection and shading. These are the highest quality solutions, characterized by flame retardancy and distinguished by ISO and BVB certificates. Screeener is synonymous with high reliability and work culture. Modern design, care for the environment and ecology are the foundations on which Screeener systems project was based. As a result, created products allow to block up to 80-90% of sun rays hitting our windows, thus lowering temperature inside the building. Above mentioned feature allows to reduce excessive heating of interiors and provide control over the amount of light entering the room. This saves energy used by air conditioning and allows you to maintain correct room lighting standards.



The Screeeners are not only a solution dedicated to large office and public buildings. Their ergonomics, universal and modern design also make them an ideal choice for single-family houses or apartments. Screeener systems provide high functional capabilities, ease of use and allow for additional control and protection thanks to the use of wind, sun and rain sensors. The design of Screeener products makes their installation quick and does not require extensive technical knowledge as well as opens the possibility of integration with the building insulation.



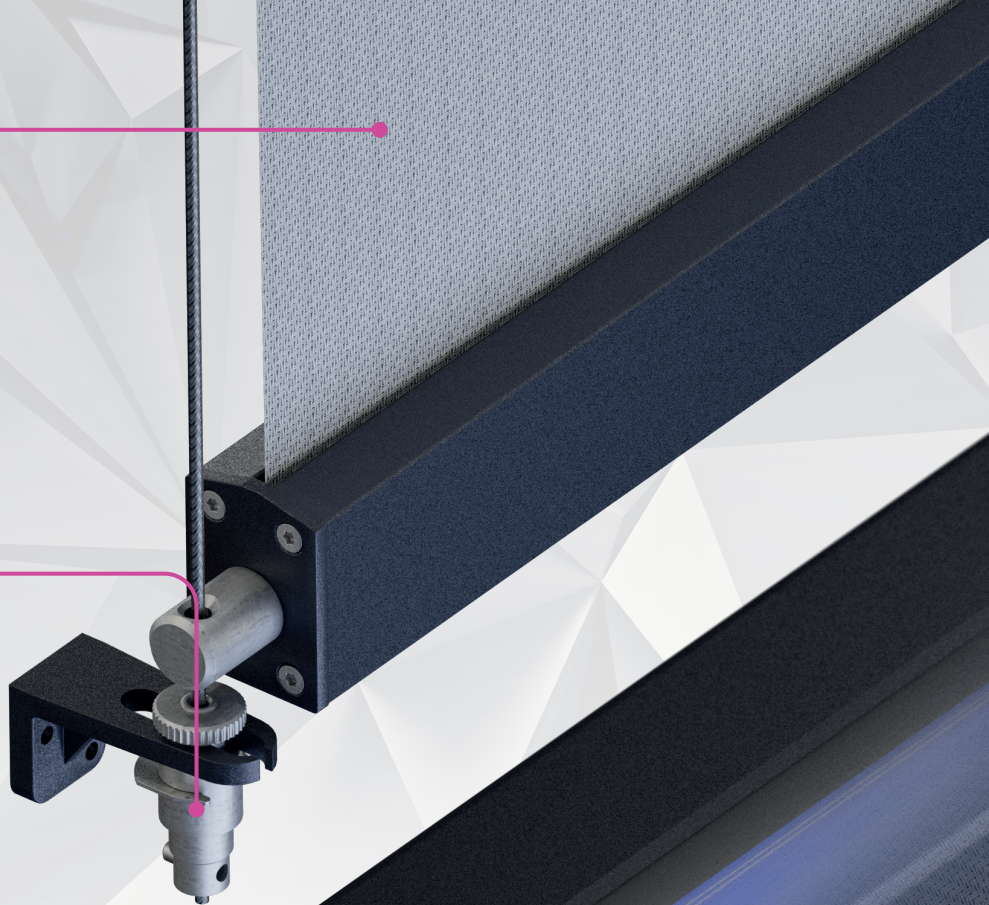
## FABRICS

Thanks to the advance manufacturing technology our fabrics provide unmatched dimensional stability, mechanical durability and UV resistance. Wide range of available colors allow Screener systems to perfectly fit character of the facade, emphasizing its individual design.



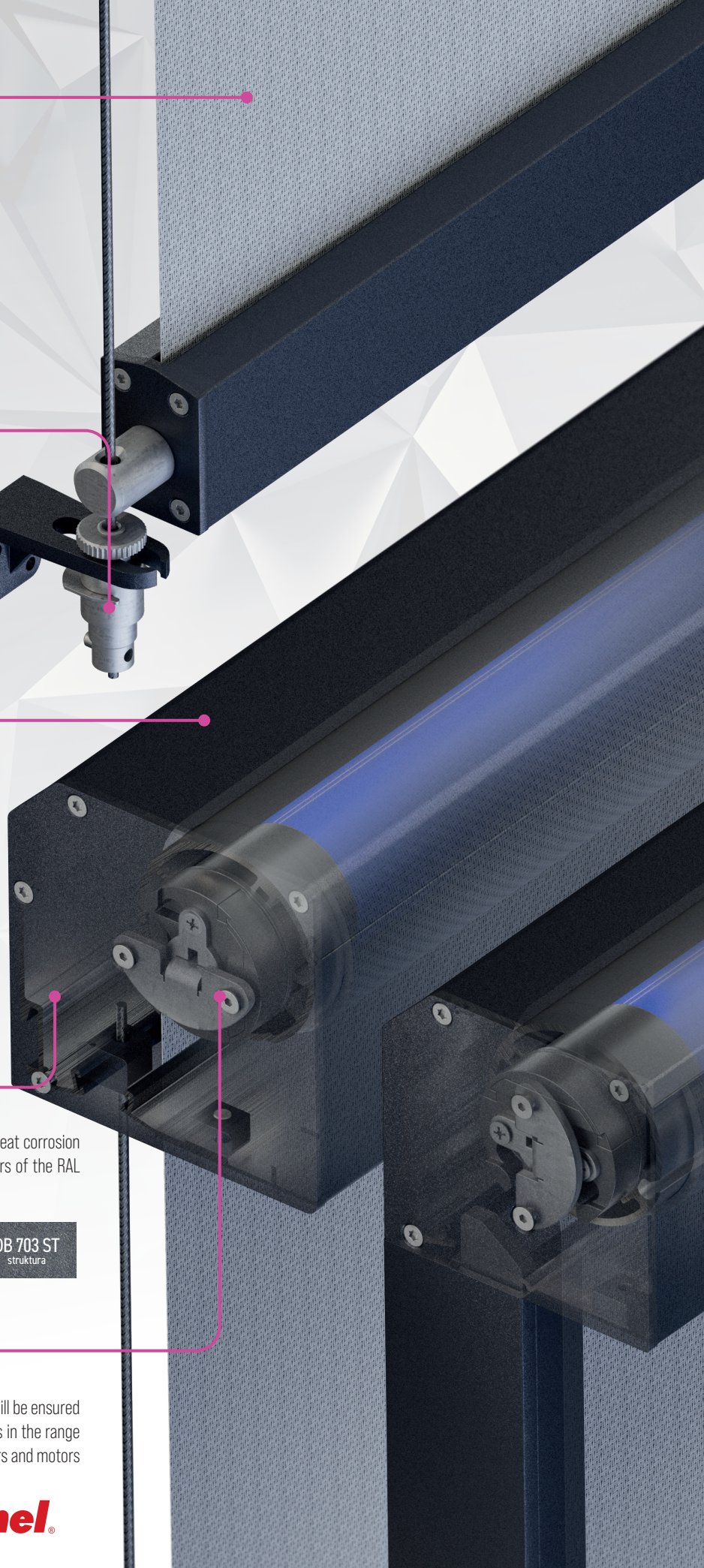
## GUIDING SYSTEM

Bottom bar of the Screener system can be guided with stainless steel cables fastened with a tensioner to the wall or floor. In the variant with an aluminum guide, rollers run in the channel of the side guide.



## ALUMINIUM CASSETTE

When choosing Screener systems, our customers can be assured of a fully refined and stable structure, that at the same time is perfectly matched with individual requirements. A well-thought-out cassette, made of the highest quality extruded aluminium, can be opened from the front for ease of installation and service.



## POWDER COATING

Advanced powder coating process for aluminium profiles assures great corrosion and UV resistance. All our Screener systems are available in all colors of the RAL palette. Our standard covers include:

RAL 9010

RAL 9006

RAL 7016

RAL 9005 M  
mat

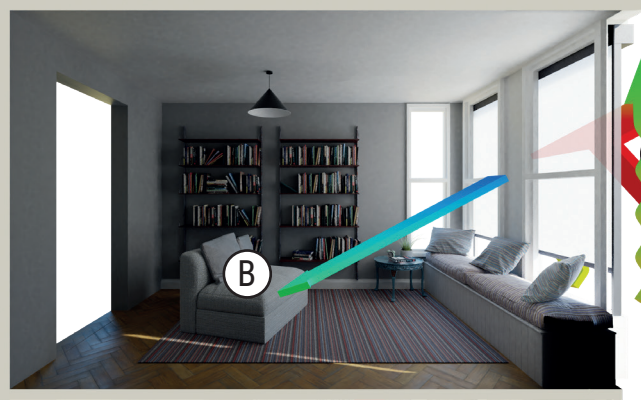
DB 703 ST  
struktura

## DRIVE

The convenient and user-friendly operation of the Screener system will be ensured by the electric drive, adapted to the variable operating temperatures in the range from -40 to +60 degrees, with the possibility of using weather sensors and motors with a built-in solar battery.







## EXTERNAL SUN SHADING SYSTEM

A - solar energy

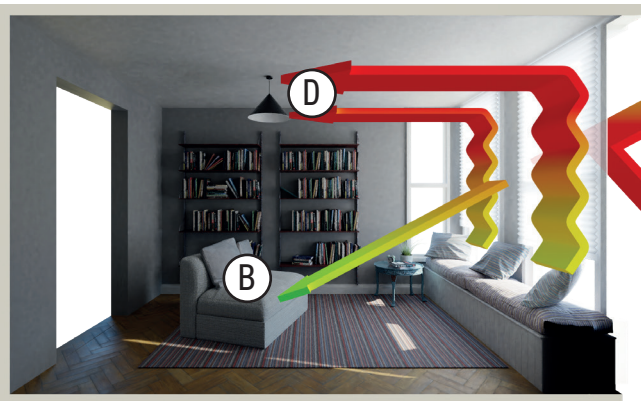
### ENERGY STOPPED OUTSIDE THE ROOM (C+D)

C - energy reflected by the glass and sun protection system.  
D - energy absorbed by the solar system, radiated as heat outside the room

### ENERGY PENETRATING INTO THE ROOM (B)

B - only a small part of the sun's energy enters the room as light

The use of an external sun protection system significantly improves thermal conditions and optical comfort in the room. In addition, we significantly reduce air conditioning costs.



## INTERNAL SUN SHADING SYSTEM

A - solar energy

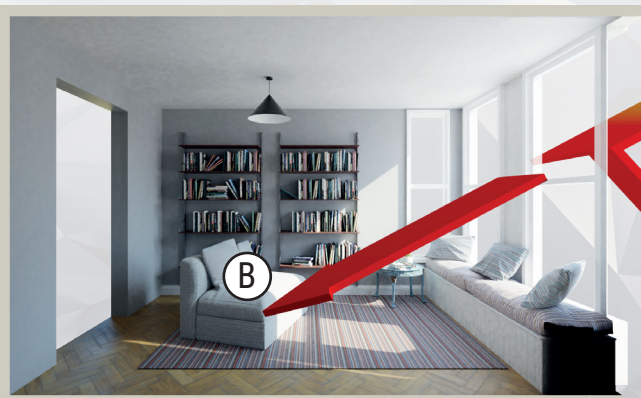
### ENERGY STOPPED OUTSIDE THE ROOM (C)

C - energy reflected by the glass and sun protection system

### ENERGY PENETRATING INTO THE ROOM (B+D)

D - energy absorbed by the solar system, radiated in the form of heat inside the room  
B - only a small part of the sun's energy enters the room as light

The use of an internal sun protection system ensures a slight improvement in thermal conditions and optical comfort in the room. The energy radiated by the internal sun protection system in the form of heat creates a convection effect between the system and the pane, effectively creating a heater.



## NO SUN SHADING SYSTEM

A - solar energy

### ENERGY STOPPED OUTSIDE THE ROOM (C)

C - insignificant part of the energy reflected by the glass.

### ENERGY PENETRATING INTO THE ROOM (B)

B - significant part of solar energy enters the room.

The lack of a solar protection system causes a significant increase in room temperature. Additionally, as a result of strong contrasts, the optical comfort in the room is significantly reduced.