



Key Features:

Tempered glass windows from "Optimal" have been designed for use in expedition vehicles and campers. They ensure comfort even in extreme conditions.

- Top quality and elegant finish thanks to the use of cnc technology
- The window after installation is flush with the external wall which prevents it from being caught by external elements such as branches for example.
- "Optimal" windows guarantee excellent thermal and acoustic insulation, as the space between the panes is filled with argon gas. Also available with new glazing with an internal low-e coating that reduces infrared light and UV radiation to a minimum. Double sealing also prevents condensation.
- Strength tests carried out in a pressure chamber give us confidence that "Optimal" windows meet all the requirements for this type of window. This has been confirmed by our experience and verified by our customers. "The sky is the limit"
- For many years of trouble-free use and for protection against burglary, window frames and sashes are equipped with specially designed integrated steel frames. All window hardware has been attached to the steel frames.
- All reinforcements and fittings are made of materials such as stainless steel, galvanised steel and aluminium giving the best protection against weather conditions
- The window and the roller shutter can be conveniently operated with one hand and the unique design ensures stepless adjustment.
- The outer frame can be painted in any colour.



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**Windows
Skylight
Stairs**

**Expedition Vehicles
Technology
2023**

All our products are registered as industrial designs and protected by law.



01



Opening an Airing

The hinge mechanism integrated in the frame allows stepless adjustment of the opening position. This allows the window to be opened in any position.

Cleaning

Thanks to the opening system used for our windows, it is easy to clean the window surfaces.



02

03



Glazing

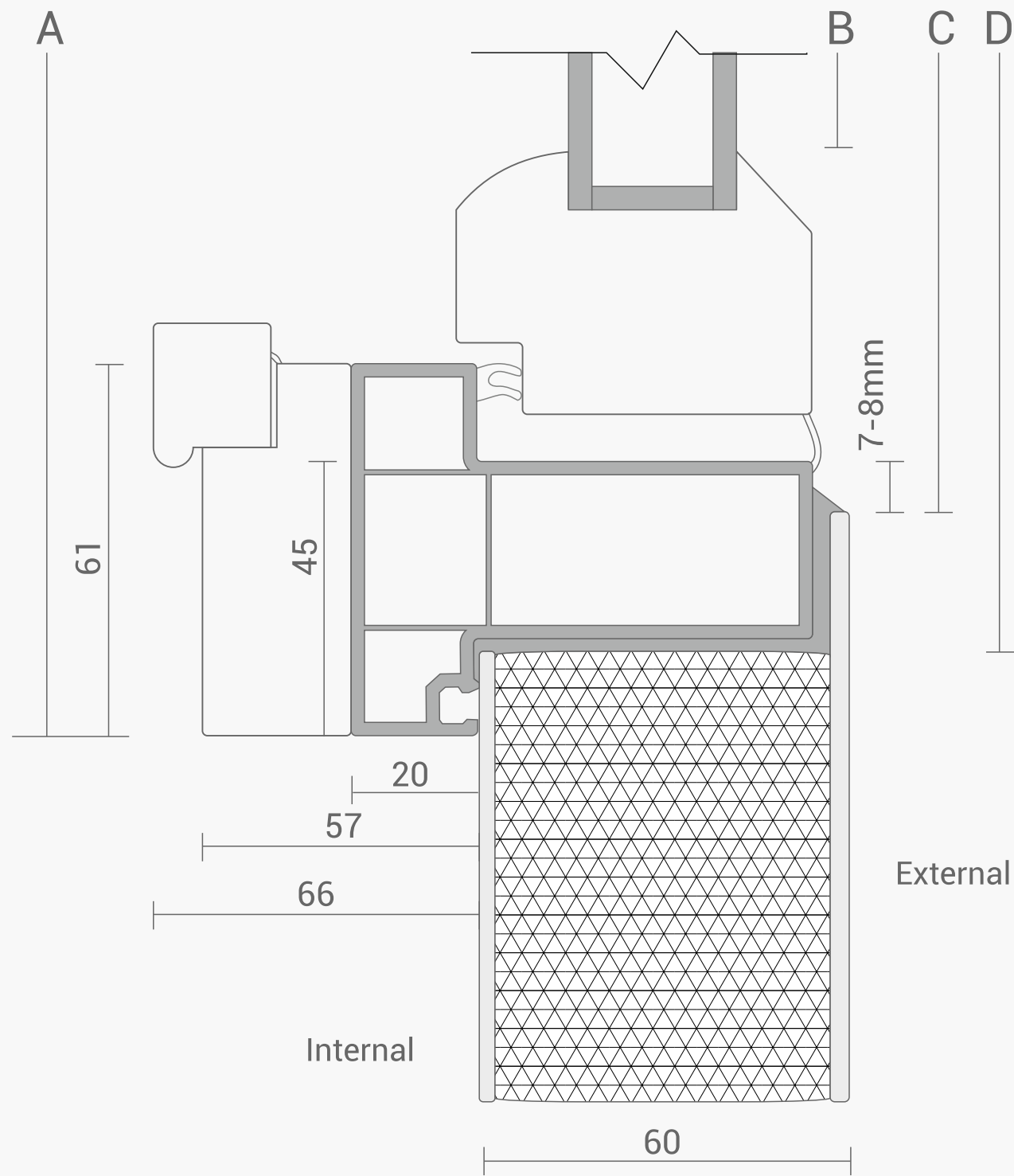
Windows are double-glazed with tempered safety glass. The glass is covered with a special thermal coating and the space between the panel is filled with the noble gas Argon. Also available with new glazing to reduce infrared radiation.

04

Roller Blind and Insect Screen

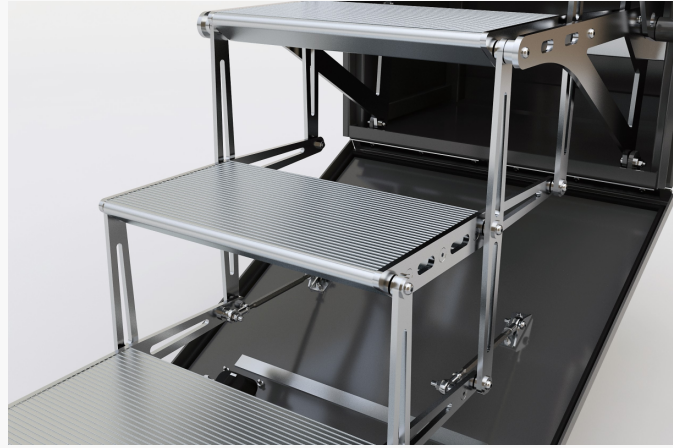
Roller blind designed as a self-supporting frame. The insect screen reliably prevents insects from entering and the blackout applied effectively shades the interior.



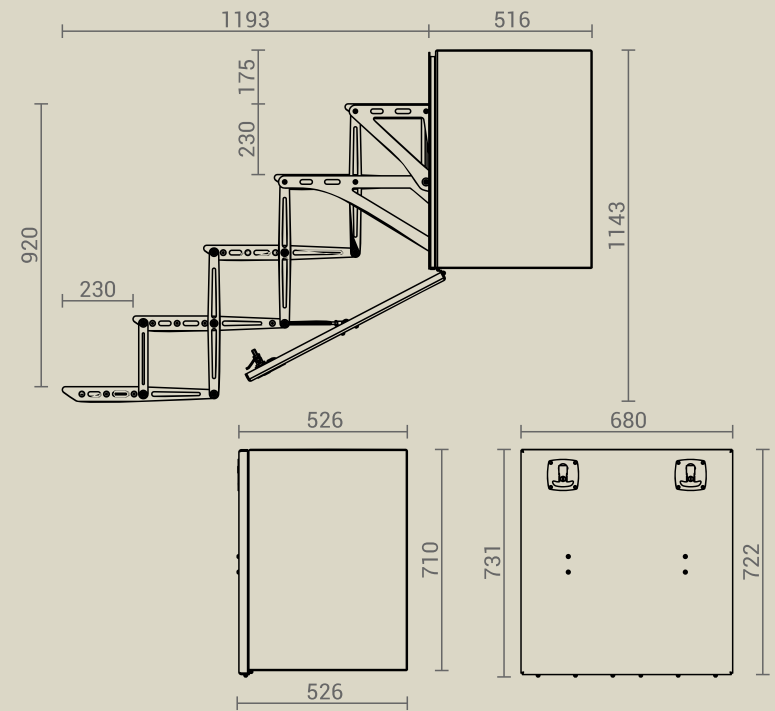


Technical Data and Dimensions

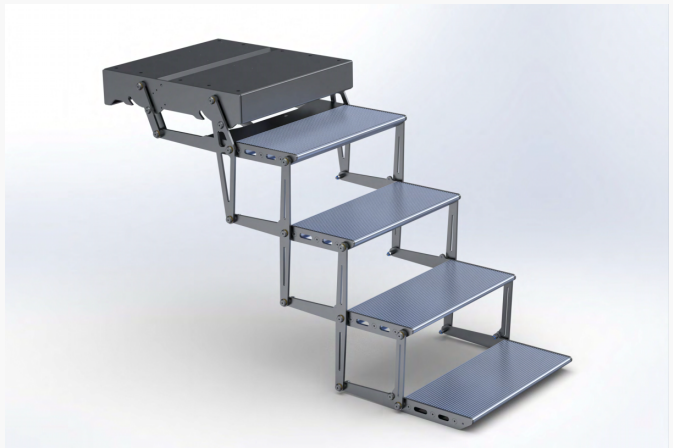
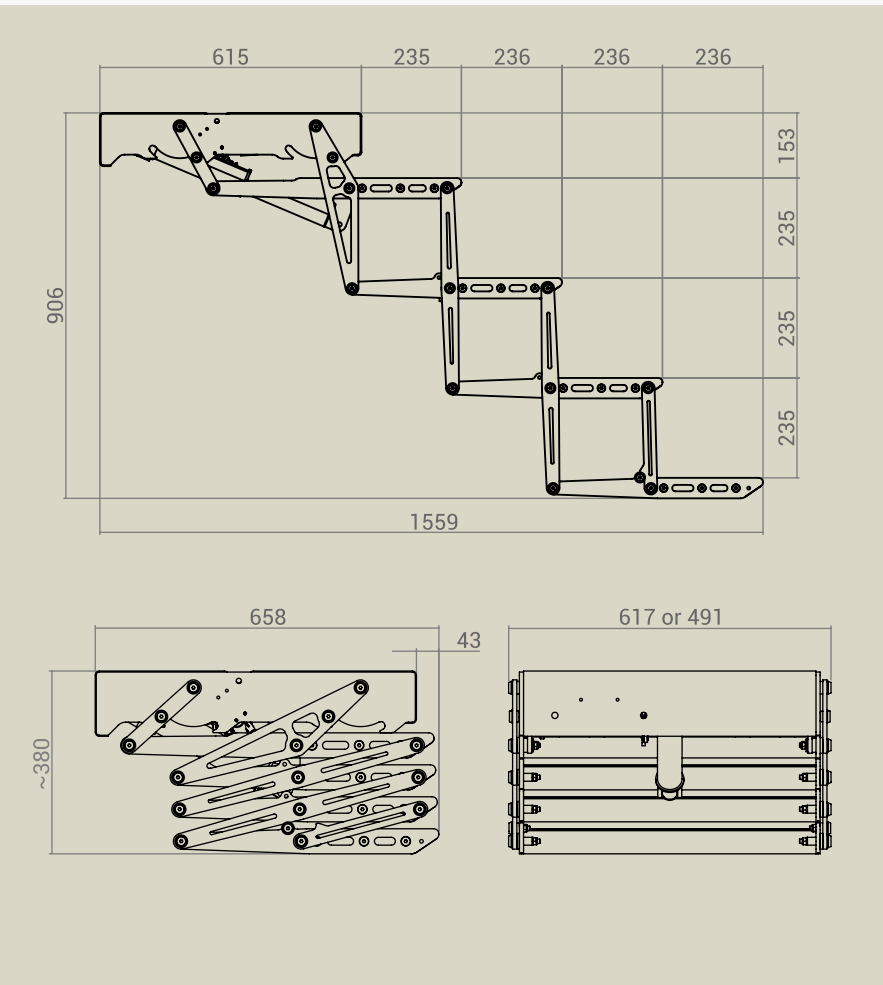
A Overall	B Viewable	C Outer Laminate	D Inner Laminate
500x400	280x180	424x324	472x372
800x400	580x180	724x324	772x372
600x440	380x220	524x364	572x412
400x500	180x280	324x424	372x472
600x500	380x280	524x424	572x472
820x500	600x280	744x424	792x472
940x500	720x280	864x424	912x472
940x550	720x330	864x474	912x522
440x600	220x380	364x524	412x572
500x600	280x380	424x524	472x572
800x600	580x380	724x524	772x572
1000x600	780x380	924x524	972x572
1200x600	980x380	1124x524	1172x572
1400x600	1180x380	1324x524	1372x572



Stairs



The moving elements of the stairs are made of high-quality stainless steel, while the box is made of 3 mm thick aluminum sheet. Available in manual and electric version with a complete control system.



Skylight



Exterior:
Small hatch: 574 x 574mm
Large hatch: 1034 x 729mm

Access:
Small hatch: 340 x 340mm
Large hatch: 780 x 480mm

Roof cut-out:
Small hatch: 500 x 500mm
Large hatch: 655 x 960mm

Height above roof:
90 mm

Application inside for "60 mm ceiling":
2 mm

Minimum ceiling thickness:
37 mm

Opening Angle:
Small hatch: 40°
Large hatch: 86°

Locking System



Our door locking systems for expedition trucks provide a reliable and secure solution for travelers. With advanced technology and sturdy construction, our door locking systems ensure protection against unauthorized access and the integrity of the cargo space even in challenging terrain conditions.

Dimensions: 300, 600, 900, 1600 mm

