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ISOTRA®

PERGOLA ARTOSI

CARPORT
GLASS
SLIDE PANELS

FOR YOUR COMFORT

PERGOLA ARTOSI

Pergolas in the garden or terrace represent a small oasis of peace, which sometimes each of us needs. It creates an elegant environment and maximum comfort almost all year round. With their exceptional design, they will complete moments spent with your family and friends. And that is why ISOTRA focused on the development, production and constant innovation of its own pergolas.

The self-supporting bioclimatic pergola ARTOSI with an innovative and clean design is the first pergola that came directly from the development **department of ISOTRA**. The ARTOSI pergola was developed with an emphasis on accuracy, quality of workmanship and the possibility of individual adjustments, thanks to which it will adapt to you in many aspects. The uniqueness of the ARTOSI pergola is the possibility of dividing the roof into several independent sections, which can be controlled separately. You can comfortably use the remote control to regulate the flow of light, heat and air in any part of the pergola according to the position of the sun beams throughout the day.

ARTOSI achieves the highest wind resistance class, but for even more comfort and privacy, the side walls are pergola can be easily complemented with screen fabric roller blinds, LED strips and LED spot lights integrated into the slats in daylight white. Not only due to this, **ISOTRA has developed its own screen blinds ALFA-ZIP and ALFA-ZIP PLUS**, designed both for shading the interior and directly for the ARTOSI pergolas. You can read more about screen roller blinds in our individual catalogue or on our websites.

ADVANTAGES AND BENEFITS

INNOVATIVE DESIGN
ALUMINUM SLATS WITH ORIENTATION 0° TO 130°
INTEGRATED DRAINAGE
PROTECTION AGAINST RAIN AND SNOW
HIGH WIND RESISTANCE
POSSI BILITY OF INTEGRATION OF SCREEN BLINDS
POSSIBILITY TO COUPLE PERGOLAS

LEGEND

remote control Tahoma

ISOTRA *Quality*

A mark symbolising long tradition, inestimable investment into development, the use of quality materials, state-of the-art technologies, reliable work from hundreds of employees and numerous other parameters, constituting one entity – the final product of ISOTRA.

ARTOSI BIOCLIMATIC PERGOLA

Self-supporting ARTOSI bioclimatic pergola with innovative and clean design from the development department of ISOTRA. The basic dimensions of the product - width 4,5 m and slide-out/extension up to 7 m - meet the strict requirements for the current user comfort.

Aluminum slat can be oriented from 0° to 130°, of course there is a seal and slant of the slats for the controlled drainage of water. Shading components and LED lighting can be integrated into the pergola.
The advantage of the ARTOSI pergola is the possibility of dividing the roof into more independent sections, which are individually controlled according to the position of the sun's rays. The pergola prop can be placed up to 1 m outside the pergola corner of the pergola inwards.

Pergola ARTOSI can be assembled in combination freestanding or anchored to the wall. Due to the proven parameters, the price is a significant competitive advantage.

Pergola	Design	Length „L" (extension, mm)		Width „S" (mm)		Underpass height Dimension H (mm)		Guaranteed area (m^2)
		min.	max.	min.	max.	min.	max.	max.
ARTOSI	motor	1 440	7 000	1 000	4 500*	500	3 000	31,5

From 6,121 mm slide-out, pergola has 6 props.
It is necessary to split the pergola into 2 separate sections (2 pieces of engines) from the extension 5.400 mm.
The minimum extension with a Teleco linear motor is 2 160 mm. The minimum extension with two Teleco linear motors is 3 060 mm.
* Up to a width of 4000 mm, the load capacity of the slats is up to 116 kg/m^2.
From a width of 4000 mm, the load capacity of the slats is up to 90 kg/m^2.

Advantages and benefits

- The pergola is produced with high accuracy
- Possibility to place props up to 1 m outside the corner of the pergola inwards
- Low stand height of the roof profile including slat opening - 25 cm in total
- Possibility of dividing the roof slats into more independent sections, separately controlled
- Clean and elegant design
- Easy assembly/disassembly of the slats and great variability of installation
- Angle of slat opening 130°
- Wind resistance class 6
- Option of LED strip on the sides or perimeter of the pergola extension or LED spotlights integrated directly into the slats
- Possibility of integrating shading technology
- Price corresponding to the product parameters
- Our own development

Installation options

- Pergola ARTOSI is self-supporting with anchoring the stands into the floor and with the possibility of anchoring the profile into the wall.

Control method

- Serves for opening, tilting and closing aluminum slats in the pergola roof.
- Somfy WT/IO motor
- Linear motor Teleco, DC24V

Basic color design

- RAL 9010S white structure
- RAL 9010M white matte
- RAL 9006 light silcer
- RAL 9006S light silcer structure
- RAL 9007 silver
- RAL 9007S silver structure
- 7016S anthracite gray structure
- RAL 7016M anthracite gray matte
- DB 702 pearl light grey
- DB 703 pearl dark grey
- RAL 8014S brown structure
- RAL 8014M brown matte

Double-sided painting of the slats

- 2 basic colours of the slats RAL 7016 S and RAL DB703 S
- Combination option with RAL 9010 S, RAL 9016 S, RAL 9006 S, RAL 9007 S

If the slat is two-coloured, the colour of the side profiles is the same as the colour of the lower part of the slat.

Upper part	Lower part
7016 S	9010 S
7016 S	9016 S
7016 S	9006 S
7016 S	9007 S
DB703 S	9010 S
DB703 S	9016 S
DB703 S	9006 S
DB703 S	9007 S

CARPORT ARTOSI

The aluminium CARPORT ARTOSI is a timeless carport with an innovative design, developed with emphasis on precision, quality of workmanship and the possibility of individual modifications, which will ensure the protection of your car against the adverse effects of the weather.

The aluminium construction, which is identical to the construction of the ARTOSI bioclimatic pergola, is supplemented with a supporting trapezoidal sheet (standard) or polycarbonate (transparent, opal, bronz).
CARPORT ARTOSI has integrated water drainage inside its structure without any need for further modifications, with the optional LED lighting located around the entire perimeter, controlled by a motion sensor or using IO technology. The carport is manufactured with high precision and assembly is therefore easy and fast. You can choose a free-standing or wall-mounted design. We offer CARPORT ARTOSI in twelve basic colours of the construction and in two colours of the trapezoidal sheet – RAL 7016S, RAL 9006S. The maximum load capacity is 150 kg/m², we guarantee wind resistance up to 120 km/h and water drainage of 50 l/m²h. The standard warranty is 5 years for construction, 2 years for LED lighting.

Roof version	Length (mm)		Width (mm)		Passing heigh (mm)		Guaranteed surface (m²)
	min.	max.	min.	max.	min.	max.	max.
Polycarbonate	1 440	7 000*	1 000	5 500	500	3 000	38,5
Trapezoidal	1 440	7 000*	1 000	6 500	500	3 000	45,5
Roofless	1 440	7 000*	1 000	6 500	500	3 000	45,5

*The shelter roof must have 6 poles for lengths above 4500 mm

Construction

ARTOSI CARPORT
POLYCARBONATE

ARTOSI CARPORT
TRAPEZE

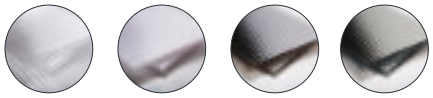
STANDARD COLORS

- RAL 9010S white structure
- RAL 9010M white matte
- RAL 9006 light silcer
- RAL 9006S light silcer structure
- RAL 9007 silver
- RAL 9007S silver structure
- 7016S anthracite gray structure
- RAL 7016M anthracite gray matte
- DB 702 pearl light grey
- DB 703 pearl dark grey
- RAL 8014S brown structure
- RAL 8014M brown matte

TRAPEZOIDAL ROOF

RAL 9006

POLYCARBONATE ROOF



CLEAR OPAL BRONZE ANTHRACITE

ARTOSI GLASS SLIDING GLAZING SYSTEM

We keep innovating the ARTOSI aluminium bioclimatic pergola. In addition to the ALFA and ALFA PLUS screen roller blinds, it is now possible to implement the ARTOSI GLASS sliding glazing system to the pergola sides.

The sliding system consists of aluminium profiles and glazing. The system features slide opening, i.e., The individual wings slide one behind the other. You can order two- to six-wing version of the system.

The system can be equipped with a metallic lockable handle with a cylindrical inlay, safely separating the terrace and the garden and protecting against burglary. The ARTOSI GLASS sliding system is made from high-quality aluminium profiles and stainless components.

The glass used is safety tempered glass of 10 mm thickness, which allows glazing over areas up to the height of 2.7 metres.

The system may be supplied coated using a complete RAL colour range, with anodised surface treatment. You can therefore fully tone the glazing system with your ARTOSI pergola as well as the ALFA screen roller blind. The system is advantageous thanks to the fast and simple installation and maintenance. All you need to do for smooth running is keeping the lower rail clean. Free access to the wings facilitates easy maintenance of the glass.

Frame glazing system	Width (mm)		Height (mm)		Loading (kg/bm)
	Min.	Max.	Min.	Max.	Max.
One-sided	800	1 000	500	2 700	70
Glazing area	2 000	6 000	500	2 700	70

SLIDING FRAMELESS GLAZING SYSTEM

ADVANTAGES

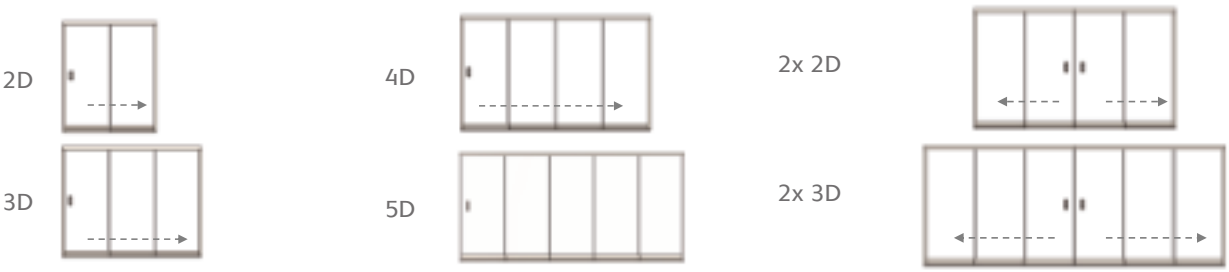
- ensures unobstructed view of the garden
- protects from noise, dust and bad weather
- obstruction against forced entry
- colour matching with the ARTOSI pergola as well as the ALFA screen roller blind
- easy and fast operation and maintenance
- selection of the number of wings and method of opening

DIMENSIONS AND WEIGHT

- wing width: 50–100 cm, max. height: 270 cm
- max. width of the glazed area: 6 m
- possible combinations: 2D–5D, or 2 x 2D–2 x 3D
- weight: 28 kg/m² (in case of glass thickness of 10 mm)
- 70 kg / running metre (in case of glass thickness of 10 mm and glazing height of 2.7 m)

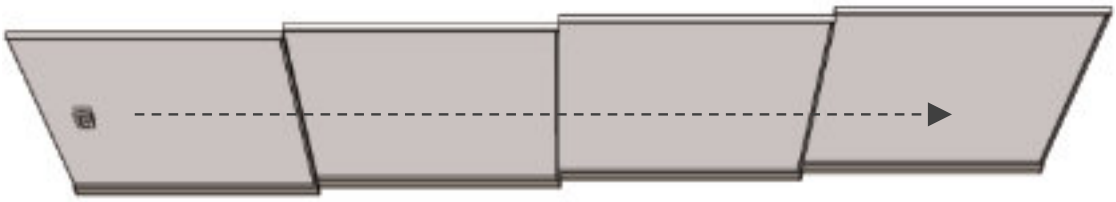
CONSTRUCTION

NUMBER OF WINGS



METHOD OF OPENING

One-sided (opening to the left/right)



Double-sided (curtain type)

Frame glazing is part of ARTOSI SLIDE PANELS.

ARTOSI SLIDE PANELS

The ARTOSI SLIDE PANELS side walls represent a unique shading solution perfectly convenient to the ARTOSI bioclimatic pergola or the ARTOSI CARPORT. The side walls act as a shading and decorative element at the same time, protecting against adverse weather and noise, thus increasing user comfort and your privacy.

ARTOSI SLIDE PANELS represents a sliding wall system, where the panels run on the lower rail and are guided by the upper rail. Stability is ensured by the lateral guide rails.

The system stands out for its very easy operation and minimal maintenance requirements. The movement/opening can be solved either to one side or centrally as a curtain. A great advantage is the easy installation of the sliding walls, which complements the modular construction of the ARTOSI bioclimatic pergola or ARTOSI CARPORT.

The individual aluminium elements of the sliding panels can be colour-tuned with the ARTOSI pergola or carport, because the offer of standard colours is identical. Any RAL colour can be chosen for painting, and for panels, Decoral technology is also available.

	Width (mm)		Height (mm)	
	min.	max.	min.	max.
One panel	500	1 250	550	2 700*
Shading area	1 000	7 000	550	2 700*

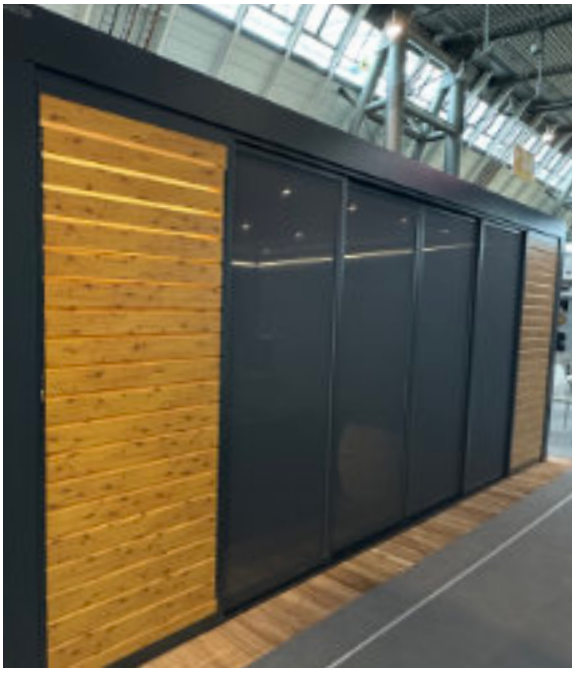
*In the case of glass filling, the maximum height is 2 500 mm.

Advantages & benefits:

- luxurious design
- shading and decorative element
- aluminium frame and filling – long service life
- easy operation
- maintenance-free operation
- fast, easy and safe assembly
- high user comfort
- option to choose the handle and lock

Sliding panel design:
Standard fillings in the following versions

- fixed slat
- bevelled slat
- bevelled rotating slat
- fixed slat with fabric
- panel with fabric
- glass



ARTOSI SLIDE PANELS WITH INTEGRATED SCREEN

ARTOSI SLIDE PANELS with integrated ALFA-ZIP or ALFA PLUS-ZIP screen roller shutter in a shared 110 mm box.

The ARTOSI SLIDE PANELS system can be installed beneath the box of the ALFA-ZIP or ALFA PLUS-ZIP screen roller shutters. This solution allows the sliding panels to be used to enclose the space of the ARTOSI pergola or any other suitable structural opening.

A profile (flap) with integrated guide rail for the sliding panel system is intended for this design. The result is a functional and aesthetically clean solution that combines the benefits of screen shading and sliding panels within single ARTOSI bioclimatic pergola system.

If the upper rail of the sliding panel wall is a part of a common configuration with the ALFA or ALFA PLUS exterior roller shutter, its dimensions are already taken into account in the configuration. That's why it is not necessary to make any additional dimensional calculations.

Solution for existing pergolas

This solution is also suitable for ARTOSI pergolas that have already been installed. For retrofitting, a new profile with an integrated guide rail can be ordered via the "standalone guide rail" item.

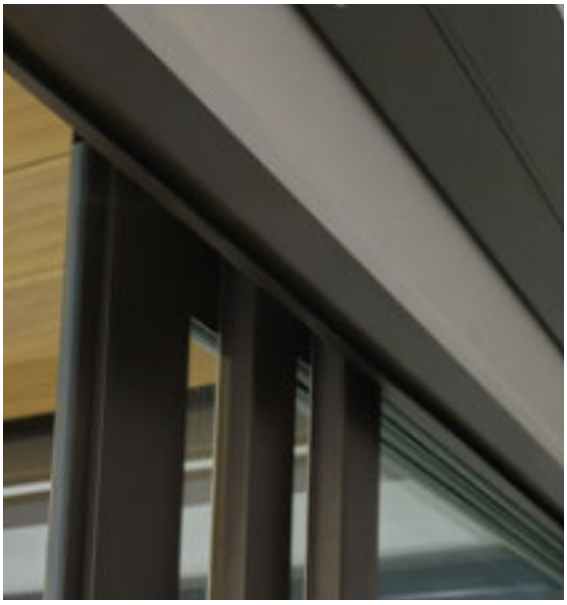
Basic screen roller shutter specifications

- Operation: Motorized only
- Guide rail: A840
- Installation type: B
- Attachment: to pergola
- Colour finish: Decoral finish not available

Basic specifications for ARTOSI SLIDE PANELS with integrated screen roller shutter

- Bottom guide rail: 3-K
- Maximum number of panels: 3 panels per assembly
- "Curtain" design: Maximum of 6 panels

The box must always be firmly anchored to the adjacent support structure, e.g. to a stay of the ARTOSI pergola or another suitable building structure.



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