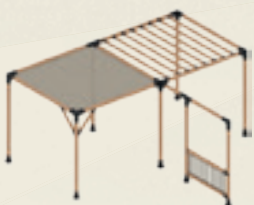




*in any way*



**THE ONLY LIMIT IS YOUR  
IMAGINATION**

You can assemble each section of our pergola sets in as little as 60 minutes, allowing you to create your own pergola with ease.

**READY  
MADE WOODEN  
PERGOLA SETS  
2024 - 2**



# SUNFLEX; QUALITY IS NEVER A COINCIDENCE

**SUNFLEX quality** is always the result of having a superior purpose, making sincere efforts, and following a wise path. SUNFLEX quality is the smart choice among many alternatives.

## SUNFLEX READY-MADE WOODEN PERGOLA BRACKET SETS

Wooden pergolas offer an aesthetic, appealing, and economical way to create functional living and entertainment spaces outdoors. Carefully designed pergolas maximize sunlight in winter and sunshade in summer, allowing you to enjoy outdoor living all year round. With its natural look, durability, and versatility, there are few materials that can match the advantages of wood in pergola construction.

Our DIY ready-made pergola sets are a popular choice for homeowners, business owners, professional landscapers, handymen, craftsmen, carpenters, and builders. Whether you're a professional craftsman, an experienced DIY enthusiast, or building a pergola for the first time, you can be confident that all our options are quick and easy to assemble.

Our sets include quality components such as brackets coated with powder paint after cataphoresis for a strong, sturdy, and elegant look, along with laminated wood. These ultra-modern pergolas can be built within minutes without the need for cutting or measuring; simply place the timber into the brackets and secure it in place. Assembling the pergola is a simple task that does not require a professional carpenter. Thanks to our clear instructions, anyone with basic DIY skills can put it together. This allows you to take pride in building your pergola, save money, and have a satisfying experience.

Start building your dream outdoor space today with Sunflex. Our top-quality modern pergola brackets make building your pergola easy and enjoyable. Let's enhance your outdoor living experience by building an extraordinary pergola together!

## WHAT SETS US APART?

We are a group of companies based in Istanbul, established in 1994. For years, we have been producing wooden and aluminum garden furniture under the ROYAL GARDEN brand, as well as compact laminate WC-shower partitions and lockers under the İDEAL KABİN brand. With an export experience averaging 50% over the years, we have reached significant production processes and standards by overcoming complex technical challenges with our team of technical teachers and engineers specialized in wood and metalworking.

Our new product, SUNFLEX DIY ready-made wooden pergola systems, is produced in our own facilities. We have perfected it and continue to improve it daily to ensure you can use it with confidence and pleasure. At Sunflex, we are committed to offering the highest quality products and services.

In our factory, each product is crafted with care and precision; our quality control processes ensure that our products reach our customers in perfect condition. While we take advantage of high technology, our production processes prioritize craftsmanship and attention to detail, ensuring that our products are not only aesthetically pleasing but also functionally flawless.



### COMPANY PHILOSOPHY

By considering the demands of our customers, we strive for creative innovations and international standards to ensure satisfaction for every customer.



### COMPANY PRINCIPLE

Focused on sincerity, customer-oriented, professional and efficient, with a commitment to mutual growth.

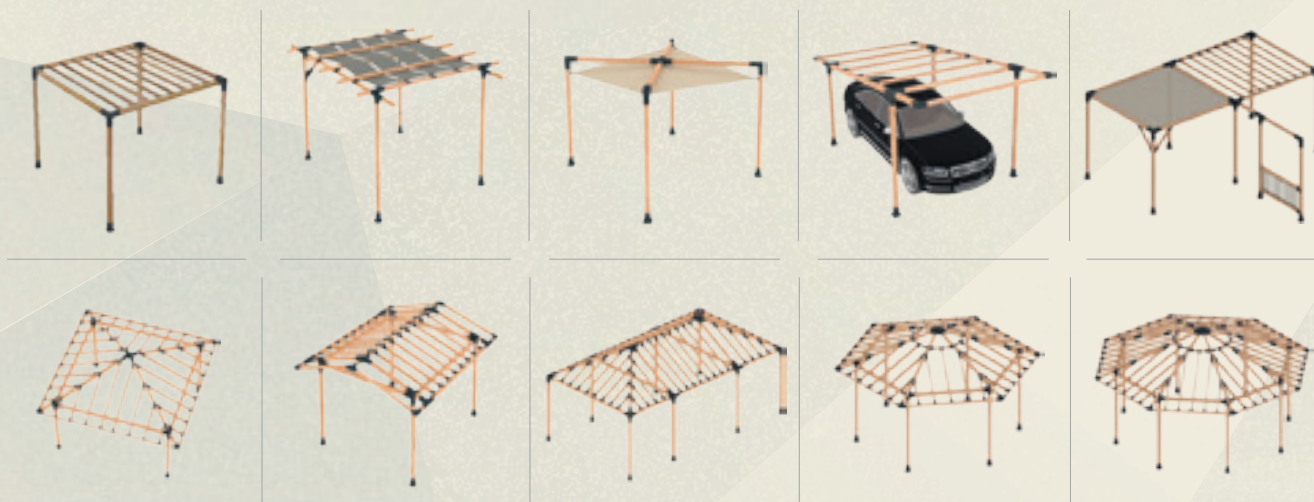


### CORPORATE MISSION

To provide our customers with quality products and sincere service.



## WHY SUNFLEX



**Easy, fast, economical:** Sunflex is a high-quality ready-to-install pergola and bracket system that anyone can easily and quickly assemble in a short time and use without problems for a long period.

**Sturdy:** The Sunflex bracket system allows you to create a pergola that will always stay straight by firmly gripping the pergola wood from all four sides, without the need for notching or cutting the beams prepared to the right dimensions. This sturdiness remains unaffected by wind, impact, and collisions.

**10-Year Warranty:** Sunflex brackets are coated with cataphoresis and Class 2 polyester powder paint after cutting and welding processes. This process ensures a 10-year trouble-free use, even in salty coastal areas.

**Attach-Detach-Reattach:** Sunflex sets allow for various applications. You can disassemble and move Sunflex products to another location, as well as expand or reduce them as you wish.

**Protection from Sun and Rain:** You can cover Sunflex products with a sunshade, retractable awning, bottom-top awning, removable roofed awning, or fixed awning. Additionally, using closely spaced wooden beams can provide sun protection.

The Sunflex system provides security for your pergola while also saving time and labor. In any case, you can either purchase only the brackets and source the wood locally, or you can get it including laminated wood beams and the awning.

The fastest pergola construction system,

- Affordable and easy-to-install solutions,
- Highly customizable modular system,
- Strong and durable brackets,
- Superior aesthetics with a premium finish,
- Powder-coated over cataphoresis, resistant to weather and rust,
- 304 stainless steel torque-head screws,
- We conceal and protect screws and bolts with weather-resistant plastic components,
- High visual quality and stronger wood with 9x9 and 14x14 cm laminated beams (*glulam*),
- Available as individual brackets or sets, or as full sets including wood,

Pergolas are typically built with wooden posts and beams that can either be attached to an existing building or stand alone as an independent structure.

We have carefully selected bracket dimensions to be compatible with standard timber sizes, ensuring seamless integration into your outdoor oasis.





## CHOOSING YOUR PERGOLA

When choosing a pergola, you should ensure that it is built from durable components, so it retains its beauty and functions as needed for years to come. That's why there are many factors you need to consider.

When selecting your pergola, decide what you want: will you place two comfortable chairs for relaxing and enjoying the fresh air, or a seating and entertaining set? Do you need a dining table in the same area, or will you include lounge chairs for sunbathing? How you plan to use the space will help you determine the size and shape of the pergola.

So, how much space do you have? Take your measurements and choose one of our standard pergolas. If you need more customization, you can easily implement any shape with Sunflex Pergola Brackets. The right pergola can create a unique architectural feature while providing a more comfortable outdoor living space. With Sunflex, we offer affordable pergola kits with customizable setups that make it easy to build your own pergola in any size, roof shape, and covering option.

Decide on 9x9 or 14x14 cm wood cross-sections based on your measurements and consider your roof. At Sunflex, you will find the best solution.

## SUNFLEX DURABLE MATERIALS AND QUALITY CRAFTSMANSHIP

### MODULAR



The modular structure of Sunflex allows you to modify the entire system, enabling you to add or remove sections as needed.

### IN RESIDENTIAL SETTINGS



Sunflex can be connected in many ways and can be used in your garden or on your terrace thanks to its modular structure.

### FAST INSTALLATION



You can create new living spaces by installing our pergola kits in approximately 60 minutes per section.

### IN COMMERCIAL SETTINGS



You can create useful areas in front of your workplace or store in every season.

### STRONG AND DURABLE



High-quality steel is coated with cathaphoresis and painted with Class 2 polyester powder paint.

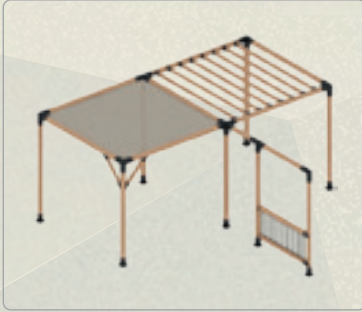
### HOTELS AND RESORTS



With its suitability for all sizes, ease of use, flexibility, and decorative features, it will be your choice for places like hotels, cafes, beaches, and resorts.

*\*Ask your dealer. \*Enjoy assembling it with your family or friends, or request installation.*





**Classic 9x9**  
PAGE 6 - 7



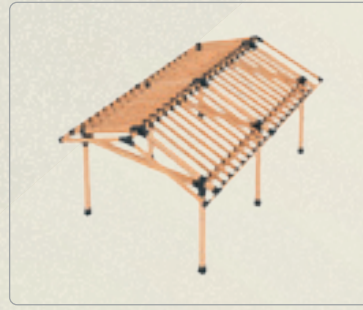
**Classic 14x14**  
PAGE 12 - 13



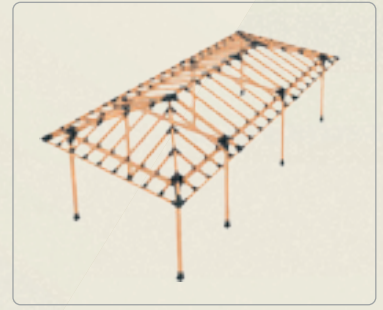
**Roof 7 9x9**  
PAGE 18 - 19



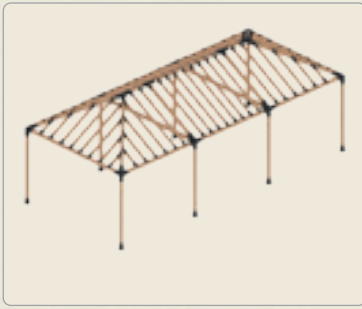
**Roof 7 14x14**  
PAGE 24 - 25



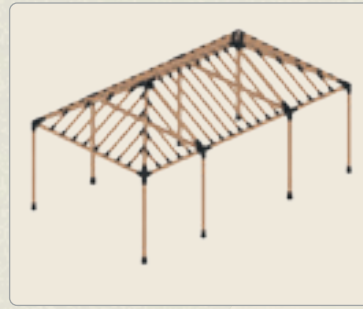
**Roof 20 9x9**  
PAGE 26 - 27



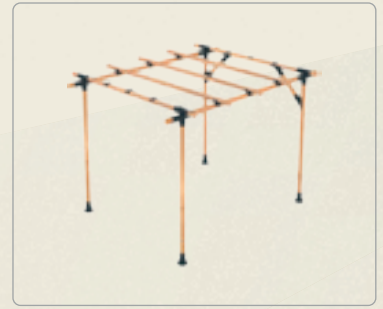
**Roof 20 14x14**  
PAGE 34 - 35



**Roof 30 9x9**  
PAGE 38 - 39



**Roof 30 14x14**  
PAGE 44 - 45



**Egzotik Ø 8,2**  
PAGE 46 - 47



**Hekza - Okta**  
PAGE 52 - 53



**Sunshade - Rain Cover**  
PAGE 54 - 55



**Timber**  
PAGE 58 - 59





# CLASSIC

## 9x9

**WITH OUR CLASSIC PERGOLA BRACKET SYSTEM,** you can create a wide variety of spaces limited only by your imagination. You can expand and customize it as much as you like.

On the classic pergola system, you can use:

- Jute sunshades
- Tightly spaced wooden beam sunshade
- Sunshade mounted above or below wooden beams
- Retractable sunshade or rain cover
- Light-roofed rain cover or a combination of these

On any side(s) of your pergola system, you can use tulle, jute, fabric curtains, zip curtains, vinyl, wooden partition panels, or various coverings to provide privacy or protection from the wind.









CLASSIC - 9x9

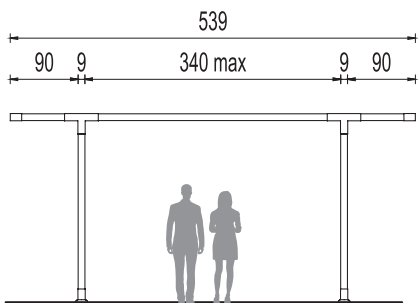
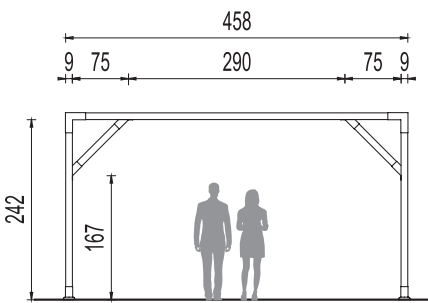
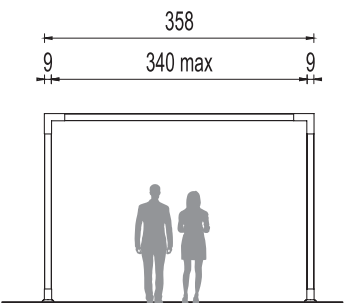
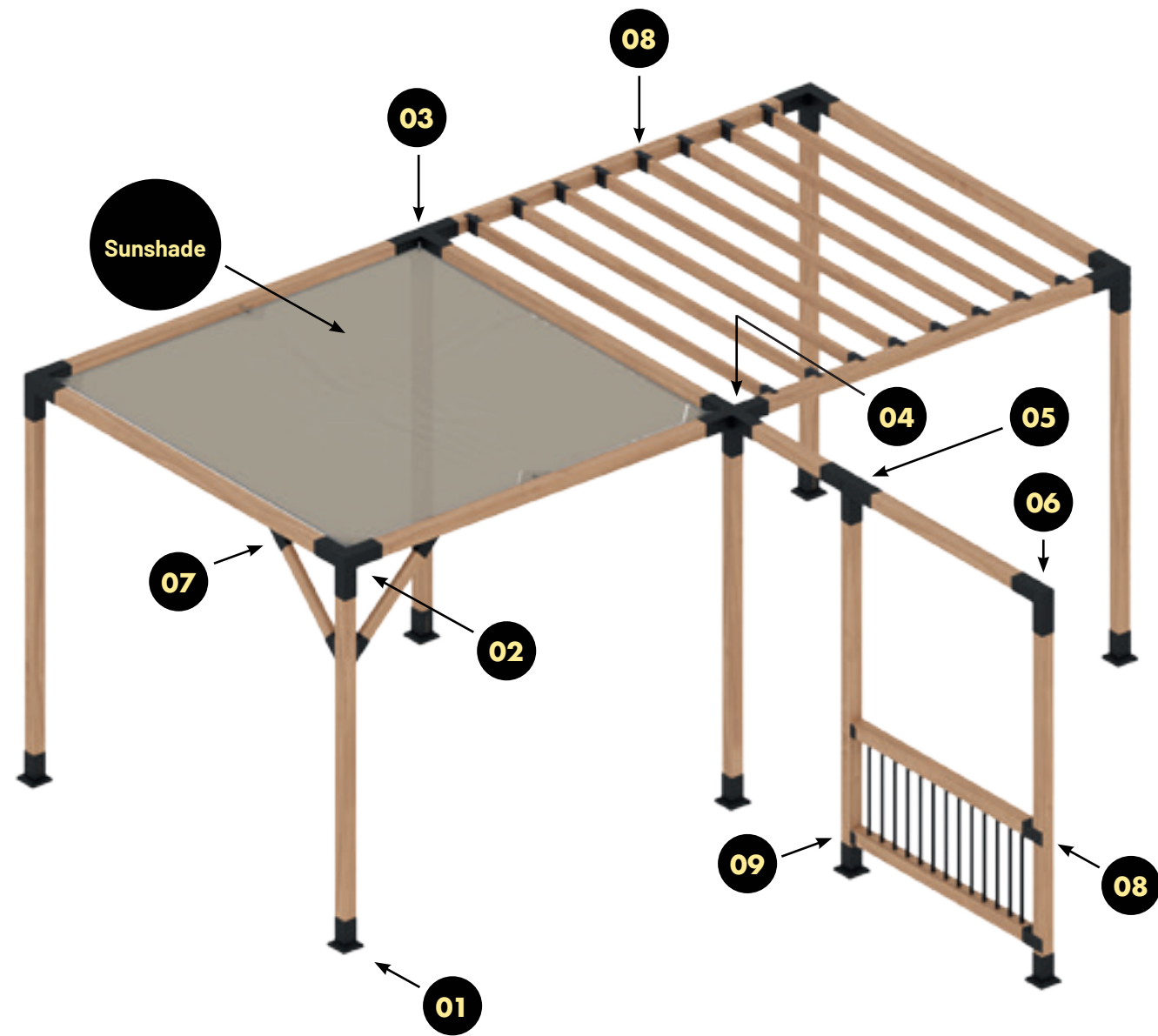
Wooden Beam Cross-Sections and Dimensions



9x9 cm Cross Section  
L-340-290-240-90 cm



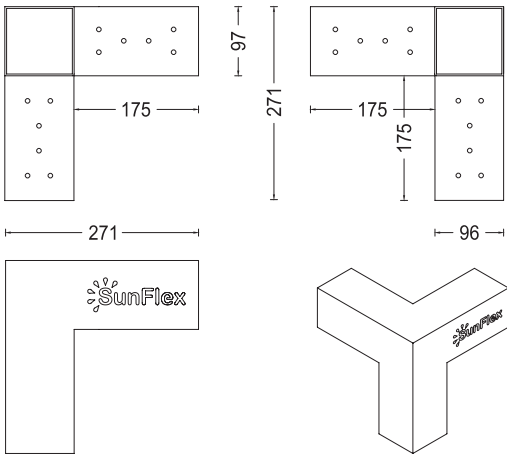
4x9 cm Cross Section  
L-340-290-240-90 cm





With 9x9 cm section pergola timber, you can confidently build your pergola up to dimensions of 350x350 cm. For larger dimensions, you should either use braces or extend by placing partitions alongside the posts. However, you should also consider the top covering; for very wide spans, the canopy may sag, and 4x9 beams may bend.

9x9 TRIFLEX



01 9x9 K1 09 Uniflex

Floor and Wall Connector



02 K3 09 Triflex

3-Arm Corner Beam Connector



03 K4 09 Tetraflex

4-Arm Edge Center Connector



04 K5 09 Pentaflex

5-Arm Center Connector



05 KT 09 Tflex

3-Arm Edge Center Connector



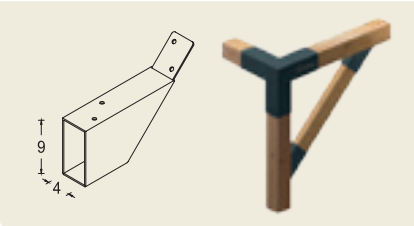
06 K2 09 Lflex

2-Arm Corner Connector



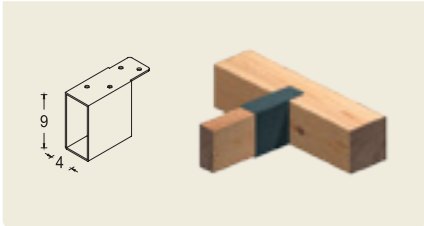
07 KP 49 45 flex

Brace Connector



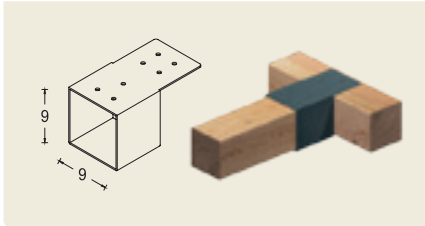
08 KC 49 Colflex

Intermediate Beam Connector



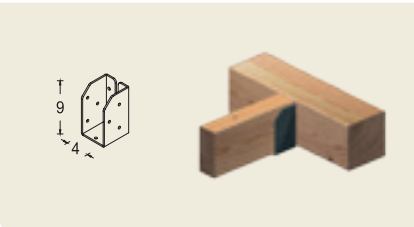
08 KC 09 Colflex

Intermediate Beam Connector



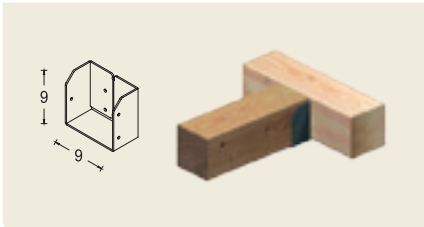
09 KS 49 Soflex

Intermediate Beam Connector



09 KS 09 Soflex

Intermediate Beam Connector



10 KX 09 Xflex

4-arm Intermediate Connector















# **CLASSIC**

14x14









CLASSIC - 14x14

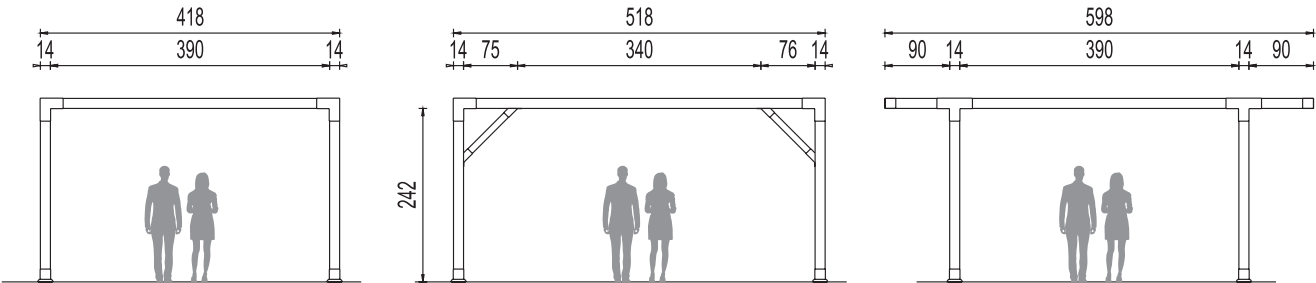
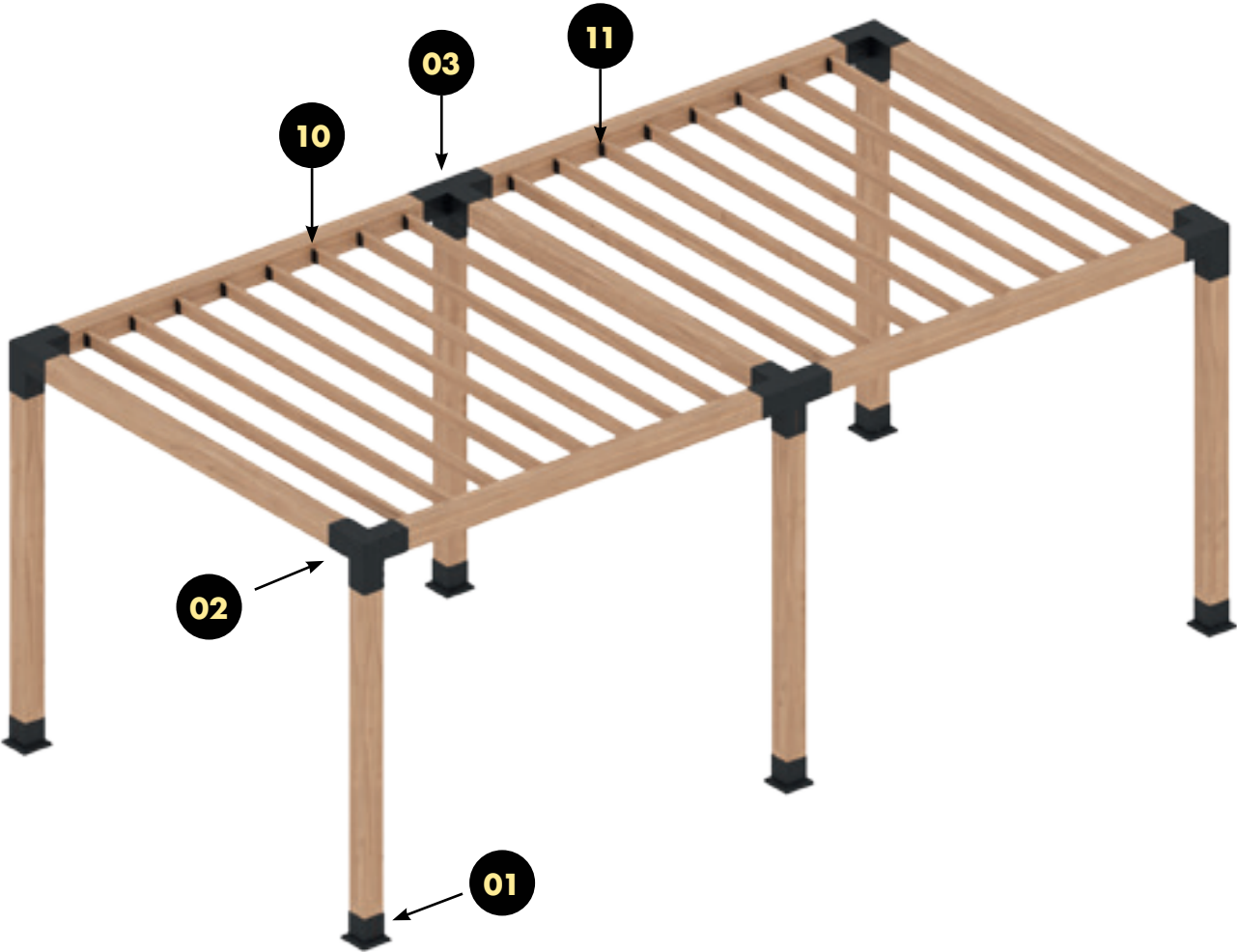
Wooden Beam Cross-Sections and Dimensions



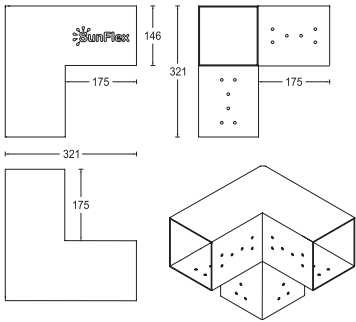
**14x14 cm Cross Section**  
L-390-340-290-240-90 cm



**4x14 cm Cross Section**  
L-390-340-290-240-90 cm



When deciding on the wooden cross-section for your pergola, you should consider the desired or required span and visual satisfaction in your pergola. For wide spans, a cross-section of 14x14 cm can create a fuller and more satisfying visual effect. We recommend a maximum free span of 400x400 cm with 14x14 cm cross-section pergola timber; you can also increase the span with braces and screens.



01 14x14 K1 14 Uniflex

Ground and Wall Connector



02 K3 14 Triflex

3-arm Corner Beam Connector



03 K4 14 Tetraflex

4-arm Edge Intermediate Connector



04 K5 14 Pentaflex

5-arm Intermediate Connector



05 KX 14 Xflex

4-arm Intermediate Connector



06 KT 14 Tflex

3-Arm Edge Center Connector



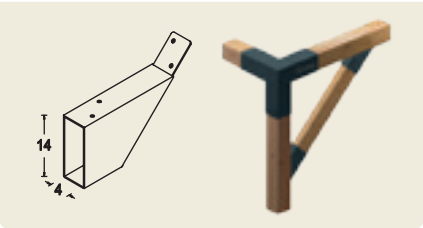
07 K2 14 Lflex

2-arm Corner Connector



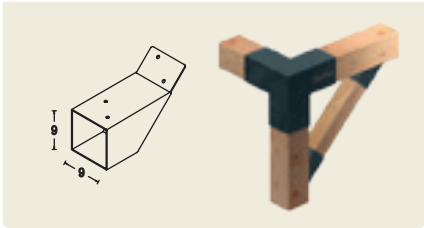
08 KP 44 45 flex

Brace Connector



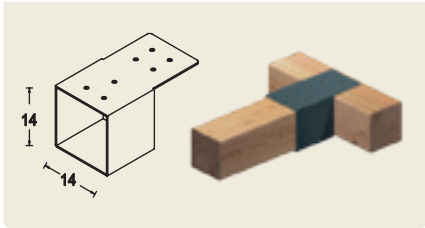
09 KP 44 45 flex

Brace Connector



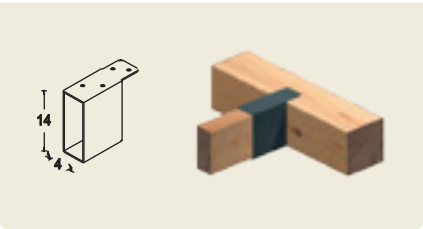
10 KC 14 Colflex

Intermediate Beam Connector



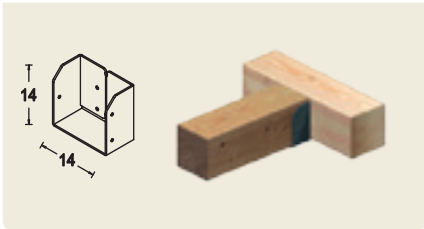
10 KC 44 Colflex

Intermediate Beam Connector



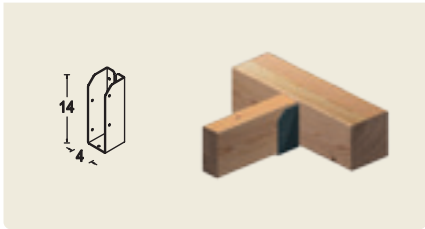
11 KS 14 Soflex

Intermediate Beam Connector



11 KS 44 Soflex

Intermediate Beam Connector















## ROOF 7

### 9x9

For our angled roof pergolas, you can select pergola brackets with the optimal roof angle to ensure maximum protection and comfort. This provides a more effective solution compared to awnings or foldable covers. You can use our roofed pergolas for long-term, reliable protection from rain.

In addition to being suited for weather conditions such as snow, rain, and other demands, we have designed pergola brackets at 7 degrees, 20 degrees, and 30 degrees to meet visual needs and blend well with neighboring structures. By using our angled pergola brackets, you can also create a more spacious interior.

With the fully welded, strong, and durable structure of our angled Sunflex pergola brackets, you can even construct lightweight frames for small shelters. However, they may not be suitable for heavy, fixed roofs with clay tiles.

With all our Connector brackets, you won't need to make angled cuts to the length of any wood when setting up the system. You won't require professional carpentry skills and can easily and enjoyably build your own pergola, almost like playing with Legos.

#### OUR 7 DEGREE ANGLED PERGOLA

You can use our 7 degree angled pergola near a building wall or in situations where a wall Connector is needed without disturbing upper floors. A 7 degree roof angle is very practical for hot, low-rainfall countries and regions.

#### PERFECT CARPORT

With our 7 degree angled brackets, we create ideal carport areas. Protect your vehicles quickly and affordably with fast installation. Would you like to protect your car, one of your most valuable possessions after your home, from rain in winter and sun in summer?

With Sunflex 7 degree carport brackets, you can create elegant and practical carport areas for an unlimited number of cars side-by-side or front-to-back.









ROOF 7 - 9x9

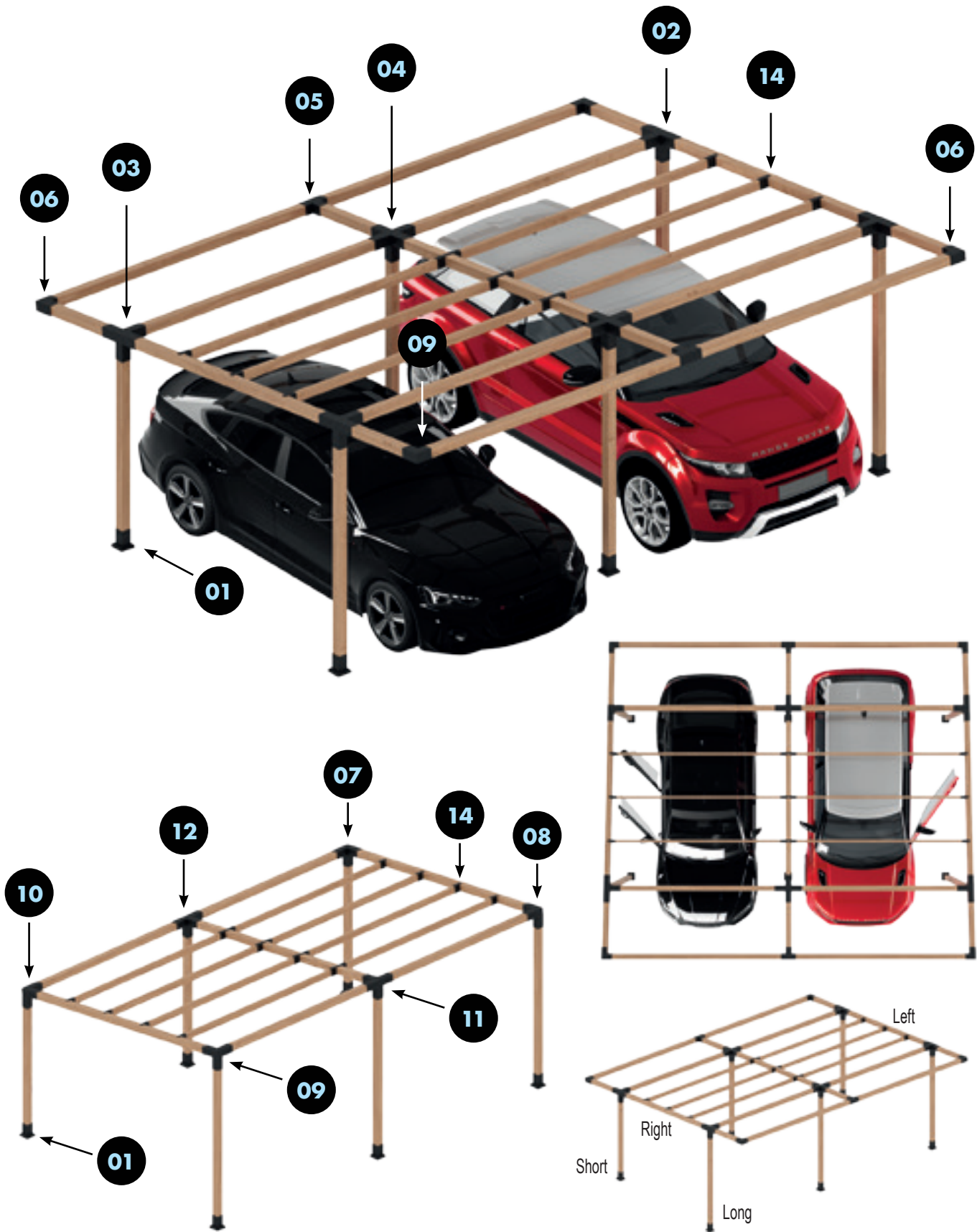
Wooden Beam Cross-Sections and Dimensions



9x9 cm Cross Section  
L-340-290-240-90 cm



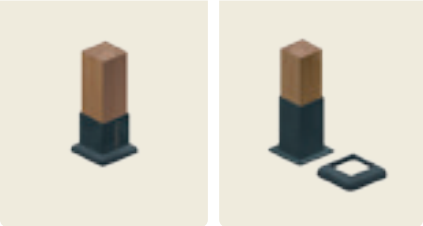
4x9 cm Cross Section  
L-340-290-240-90 cm





019x9K1 09 Uniflex

Ground and Wall Connector



02R4 07LSL 09 Tetraflex

4-arm Left Side Intermediate Post Beam Connector



03R4 07LSR 09 Tetraflex

4-arm Right Side Intermediate Post Beam Connector



04R5 07LSO 09 Pentaflex

5-arm Intermediate Connector



05KT E 49-09 Tflex

3-arm Eave Middle Connector



06K2 E 49-09 Lflex

2-arm Eave Corner Connector



07R3 07SL 09 Triflex

3-arm Left Short Post Beam Connector



08R3 07LL 09 Triflex

3-arm Left Long Post Beam Connector



09R3 07LR 09 Triflex

3-arm Right Long Post Beam Connector



10R3 07SR 09 Triflex

3-arm Right Short Post Beam Connector



11R4 07LO 09 Tetraflex

4-arm Long Side Intermediate Post Beam Connector



12R4 07SO 09 Tetraflex

4-arm Short Side Intermediate Post Beam Connector



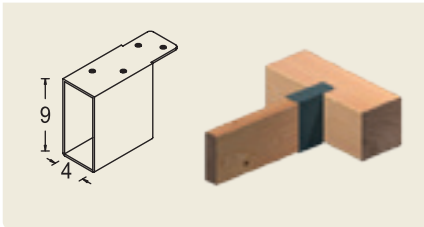
13R1 07 09 Uniflex

Wall Connector



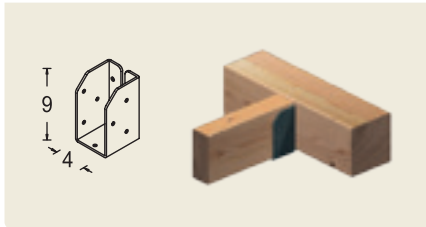
14KC 49 Colflex

Intermediate Beam Connector



14KS 49 Soflex

Intermediate Beam Connector







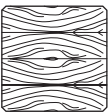






ROOF 7 - 14x14

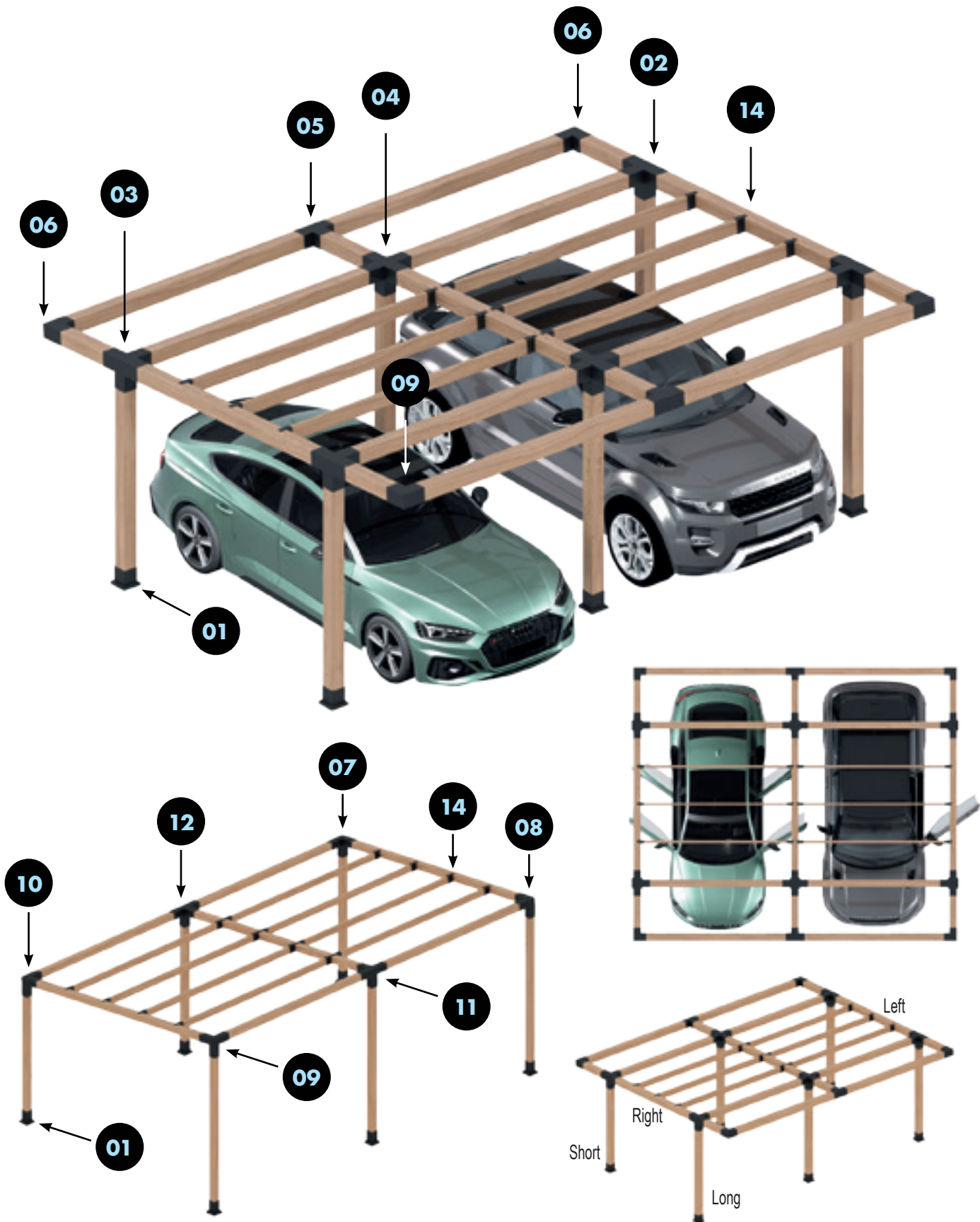
Wooden Beam Cross-Sections and Dimensions



**14x14 cm Cross Section**  
L-390-340-290-240-90 cm



**4x14 Cross Section**  
L-390-340-290-240-90 cm





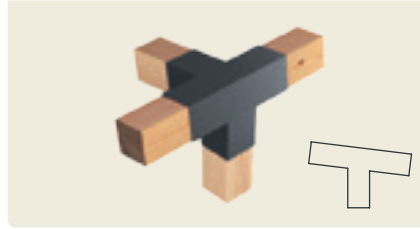
## 01 14x14 K1 14 Uniflex

Ground and Wall Connector



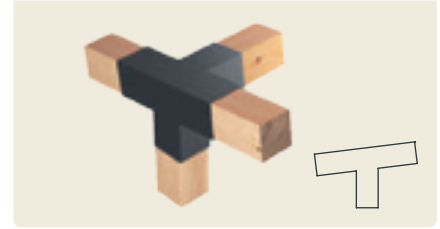
## 02 R4 07LSL 14 Tetraflex

4-arm Left Side Intermediate Post Beam Connector



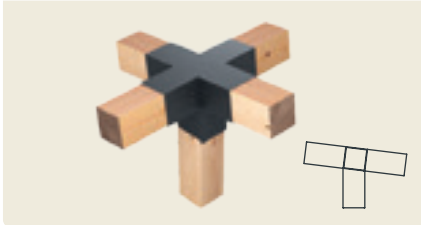
## 03 R4 07LSR 14 Tetraflex

4-arm Right Side Intermediate Post Beam Connector



## 04 R5 07LSO 14 Pentaflex

5-arm Intermediate Connector



## 05 KT E 44-14 Tflex

3-arm Eave Middle Connector



## 06 K2 E 44-14 Lflex

2-arm Eave Corner Connector



## 07 R3 07SL 14 Triflex

3-arm Left Short Post Beam Connector



## 08 R3 07LL 14 Triflex

3-arm Left Long Post Beam Connector



## 09 R3 07LR 14 Triflex

3-arm Right Long Post Beam Connector



## 10 R3 07SR 14 Triflex

3-arm Right Short Post Beam Connector



## 11 R4 07LO 14 Tetraflex

4-arm Long Side Intermediate Post Beam Connector



## 12 R4 07SO 14 Tetraflex

4-arm Short Side Intermediate Post Beam Connectors



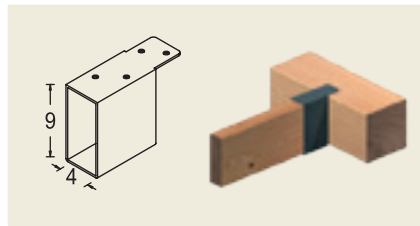
## 13 R1 07 14 Uniflex

Wall Connector



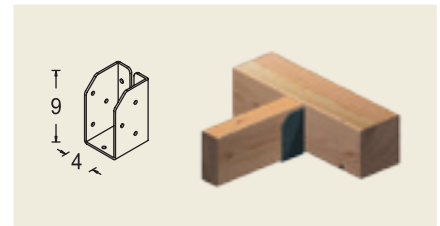
## 14 KC 44 Colflex

Intermediate Beam Connector

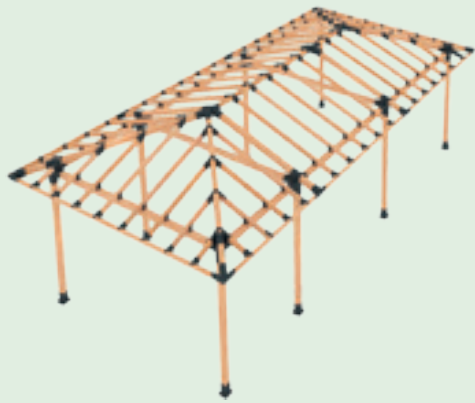


## 14 KS 44 Soflex

Intermediate Beam Connector







## ROOF 20

9x9 - 14x14

### **BUILDING A 20 DEGREE**

self-eaves angled roof pergola has never been easier. With our Sunflex angled roof pergola brackets, you can create aesthetically pleasing, functional pergolas for climates without heavy snowfall.

Using the eaves brackets of the 20-degree bracket system, you can design the pergola eaves in any width you desire. Our angled beam Connector brackets allow you to securely attach intermediate beams that end on one side with the main beams, providing a clean and seamless look from the inside.

This way, you achieve a decorative, aesthetic appearance without unnecessary protrusions or loss of height.









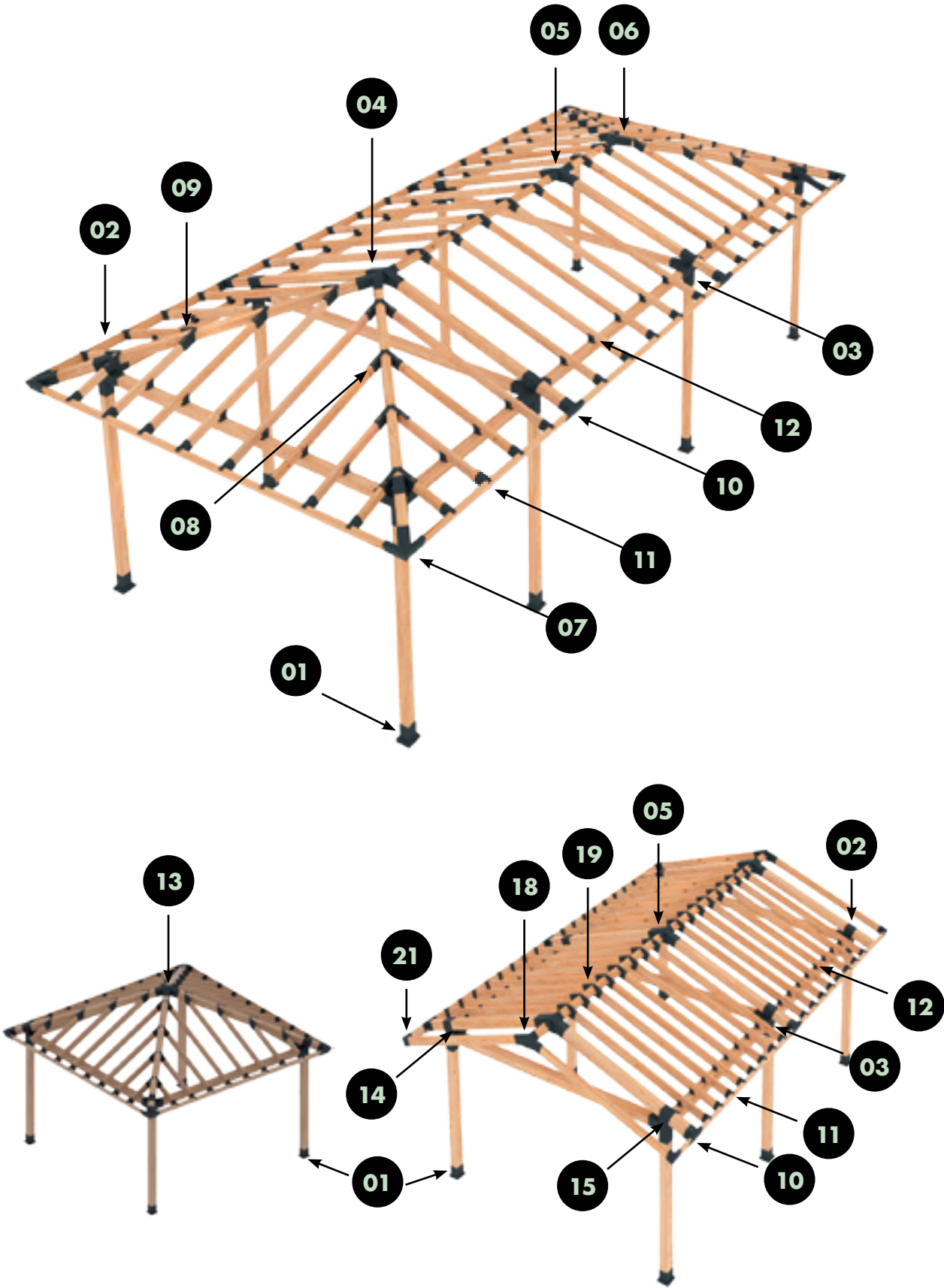
Wooden Beam Cross-Sections and Dimensions



**9x9 cm Cross Section**  
L-340-290  
240-90 cm



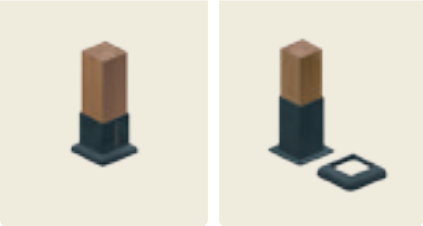
**4x9 cm Cross Section**  
L-340-290  
240-90 cm





019x9K1 09 Uniflex

Ground and Wall Connector



02R4 2045F 09 Roof Tetraflex

4-arm Roof Open-Ended Corner Connector



03R5 20F 09 Roof PentaFlex

5-arm Roof Open-Ended Corner Connector



04R5 2045M 09 Pentaflex

5-Arm Roof Front Ridge Connector



05R4 20M 09 Roof Tetraflex

4-Arm Roof Intermediate Ridge Connector



06R3 2045M 09 Triflex

3-Arm Roof Front Ridge Connector



07R3 2045E 49 Roof Triflex

3-Arm Ridge Eave Corner Connector



08RC 2045MR 49 Roof Colflex

Intermediate Beam Ridge Right Connector



09RC 2045ML 49 Roof Colflex

Intermediate Beam Ridge Left Connector



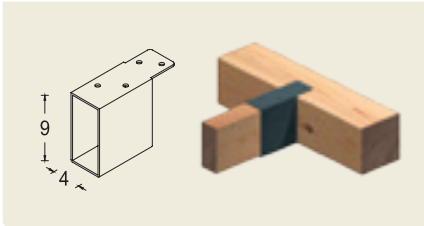
10KT E 49-09 Tflex

3-Arm Eave Intermediate Bracket Connector



11KC 49 Colflex

Intermediate Beam Connector



12RS 49 Roof Soflex

Intermediate Beam Connector



13RX 2045M 09 Roof Xflex

4-Arm Roof Intermediate Ridge Connector



14R4 20LF 09 Roof Tetraflex

4-Arm Roof Open-Ended Left Corner Connector



15R4 20RF 09 Roof Tetraflex

4-Arm Roof Open-Ended Right Corner Connector





**16** R1 20 09 Roof Uniflex  
Wall Connector



**17** R3 20M 09 Roof Triflex  
3-Arm Roof Front Ridge Connector



**18** R3 20ME 49 Roof Triflex  
3-Arm Roof Front Ridge Eave Connector



**19** RC 20M 49 Roof Colflex  
Intermediate Beam Ridge Connector



**20** KT E 09-49 Tflex  
3-Arm Eave Intermediate Bracket Connector



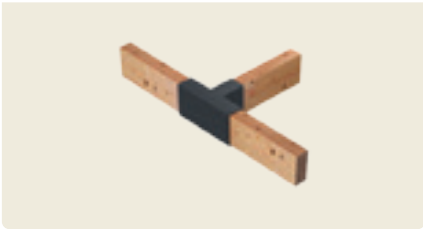
**20** KT E 09-49 Tflex  
3-Arm Eave Intermediate Bracket Connector



**20** KT E 09-09 Tflex  
3-Arm Eave Intermediate Bracket Connector



**20** KT E 49-49 Tflex  
3-Arm Eave Intermediate Bracket Connector



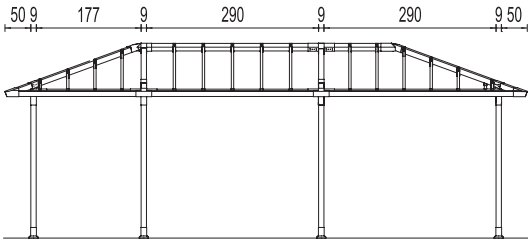
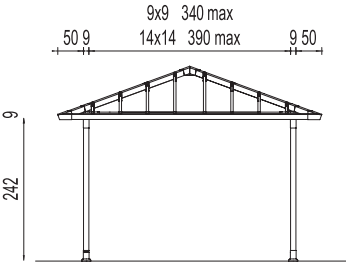
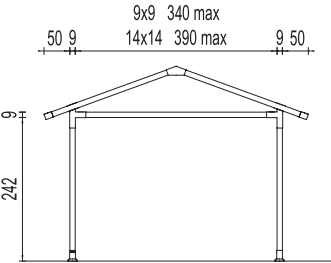
**21** K2 E 09-09 Lflex  
2-Arm Eave Corner Bracket Connector



**21** K2 E 49-09 Lflex  
2-Arm Eave Corner Bracket Connector



**21** K2 E 04-04 Lflex  
2-arm Eave Corner Connector







Outdoor living spaces are becoming increasingly important extensions of our homes, providing a seamless transition between indoor and beautiful outdoor areas. In these natural open-air environments, pergolas made especially from wood stand out by offering both beauty and functionality. A wooden pergola from Sunflex not only adds aesthetic appeal but also enhances the value of your property with Sunflex brackets.

It creates an additional outdoor living area where you can entertain guests, relax with your family, or even work outside without direct exposure to the sun's harmful UV rays. Overall, if you're looking for a stylish and practical way to transform your outdoor area into an oasis you can enjoy year-round, look no further than Sunflex.



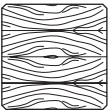








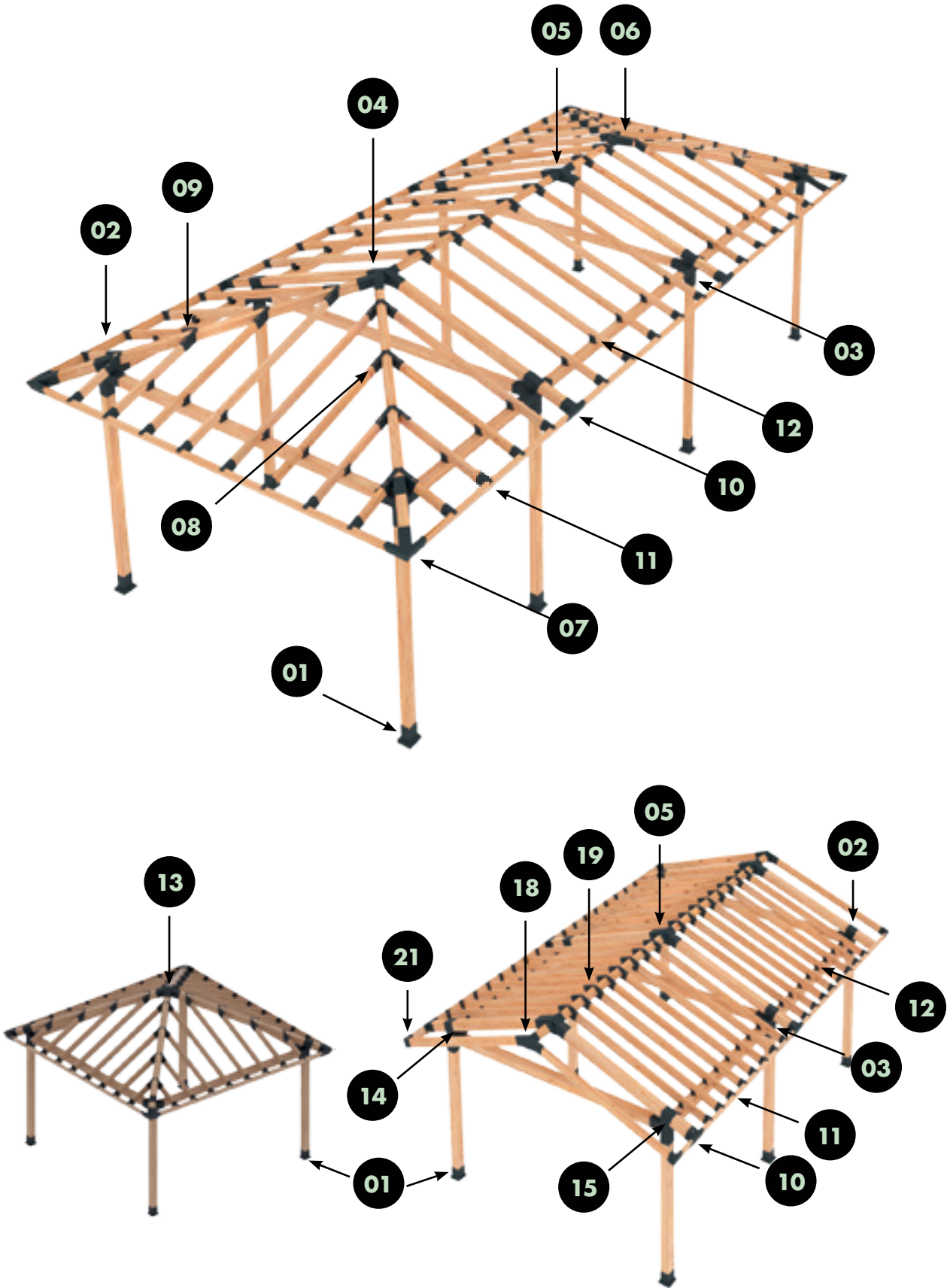
Wooden Beam Cross-Sections and Dimensions



**14x14 cm Cross Section**  
L-390-340-290  
240-90 cm



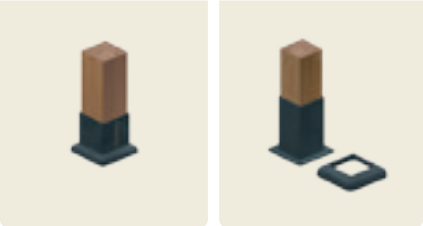
**4x14 cm Cross Section**  
L-390-340-290  
240-90 cm





0114x14K1 14 Uniflex

Ground and Wall Connector



02R4 2045F 14 Roof Tetraflex

4-arm Roof Open-Ended Corner Connector



03R5 20F 14 Roof PentaFlex

5-arm Roof Open-Ended Corner Connector



04R5 2045M 14 Pentaflex

5-Arm Roof Front Ridge Connector



05R4 20M 14 Roof Tetraflex

4-Arm Roof Intermediate Ridge Connector



06R3 2045M 14 Triflex

3-Arm Roof Front Ridge Connector



07R3 2045E 44 Roof Triflex

3-Arm Ridge Eave Corner Connector



08RC 2045MR 44 Roof Colflex

Intermediate Beam Ridge Right Connector



09RC 2045ML 44 Roof Colflex

Intermediate Beam Ridge Left Connector



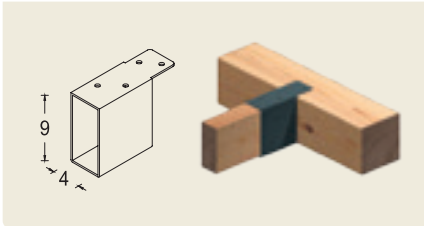
10KT E 44-14 Tflex

3-Arm Eave Intermediate Bracket Connector



11KC 44 Colflex

Intermediate Beam Connector



12RS 44 Roof Soflex

Intermediate Beam Connector



13RX 2045M 14 Roof Xflex

4-Arm Roof Intermediate Ridge Connector



14R4 20LF 14 Roof Tetraflex

4-Arm Roof Open-Ended Left Corner Connector



15R4 20RF 14 Roof Tetraflex

4-Arm Roof Open-Ended Right Corner Connector





16 R1 20 14 Roof Uniflex  
Wall Connector



17 R3 20M 14 Roof Triflex  
3-Arm Roof Front Ridge Connector



18 R3 20ME 44 Roof Triflex  
3-Arm Roof Front Ridge Eave Connector



19 RC 20M 44 Roof Colflex  
Intermediate Beam Ridge Connector



20 KT E 14-44 Lflex  
3-Arm Eave Intermediate Bracket Connector



20 KT E 44-44 Tflex  
3-Arm Eave Intermediate Bracket Connector



20 KT E 14-14 Tflex  
3-Arm Eave Intermediate Bracket Connector



20 KT E 14-44 Tflex  
3-Arm Eave Intermediate Bracket Connector



21 K2 E 14-14 Lflex  
2-Arm Eave Corner Bracket Connector



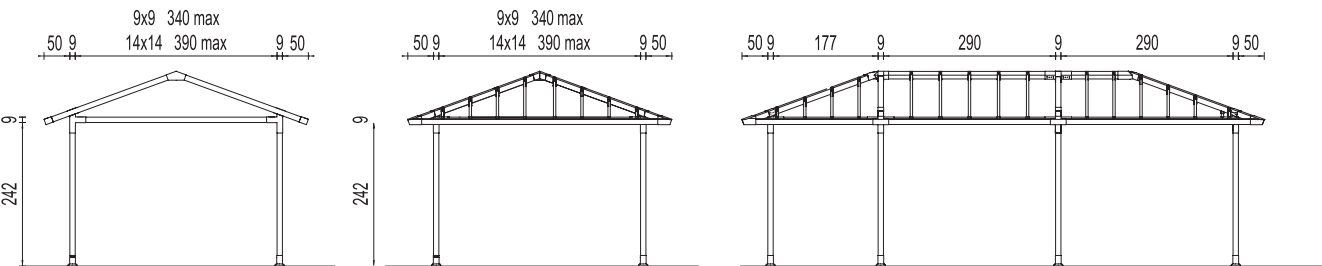
21 K2 E 44-14 Lflex  
2-Arm Eave Corner Bracket Connector



21 K2 E 44-44 Lflex  
2-arm Eave Corner Connector



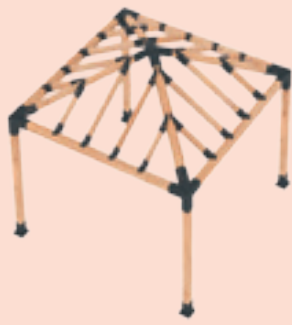
Sunflex pergolas are not just structures; they are exquisite pieces that transform your outdoor space into a realm of tranquility and style. The natural texture and warm tones of wood blend harmoniously with your garden, creating an inviting atmosphere for relaxation or entertainment. If you're ready to add the elegance of a wooden pergola to your home, Sunflex is here for you.











## ROOF 30

9x9 - 14x14

**30 DEGREES** is the maximum angle we recommend, particularly in cold climates with snowfall. In this model, you can use the beams as a single surface or overlay them onto the main carriers.

Sunflex brackets offer endless layout options and the opportunity to incorporate countless details.









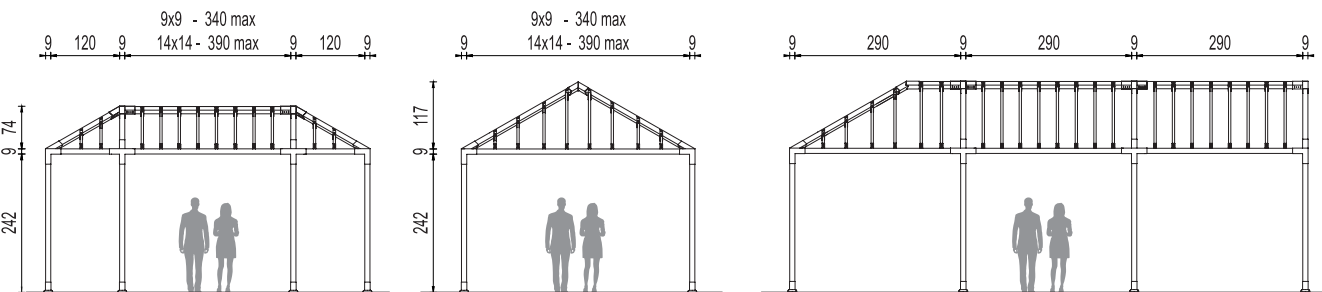
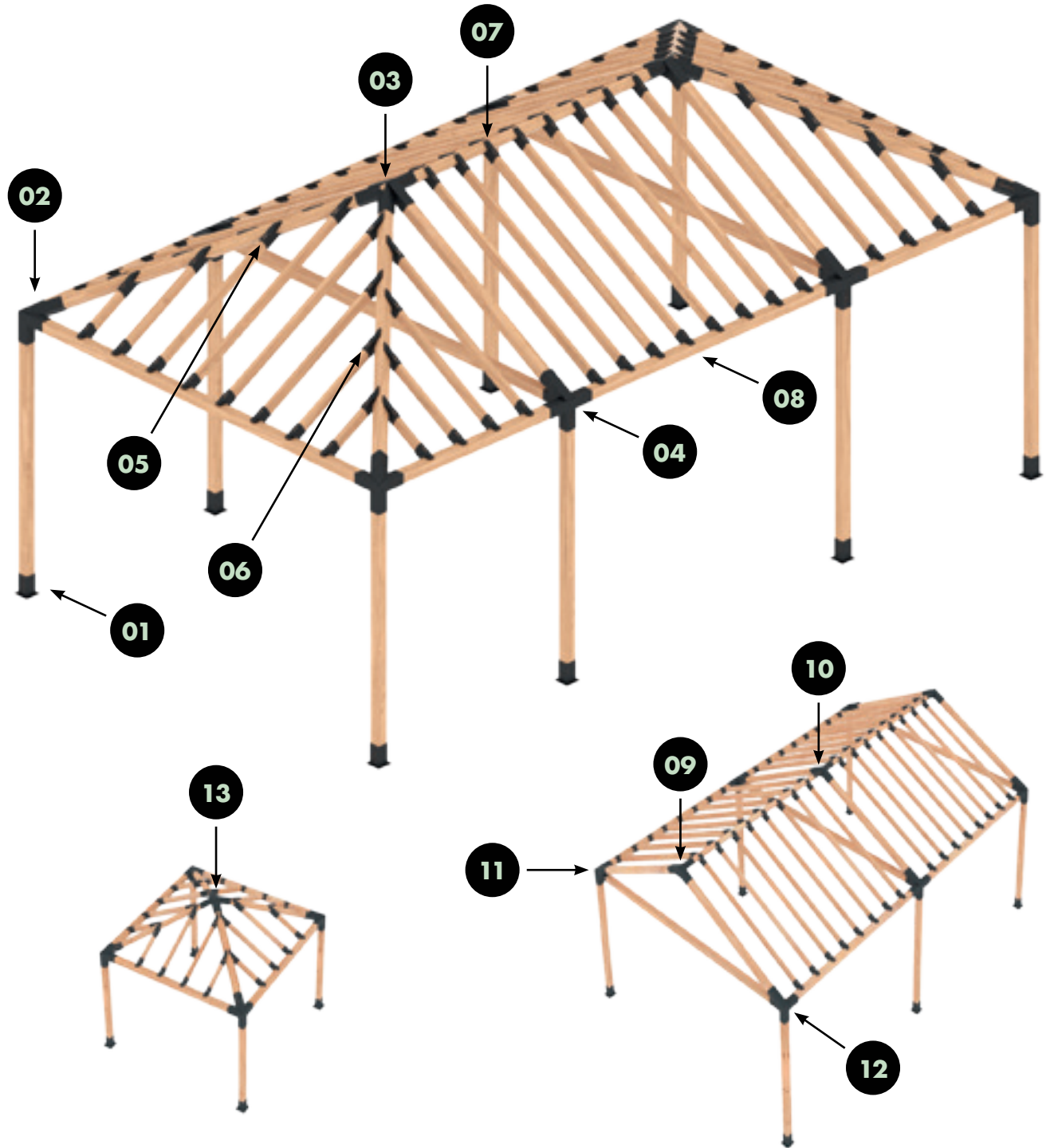
Wooden Beam Cross-Sections and Dimensions



9x9 cm Cross Section  
L-340-290 - 240-90 cm

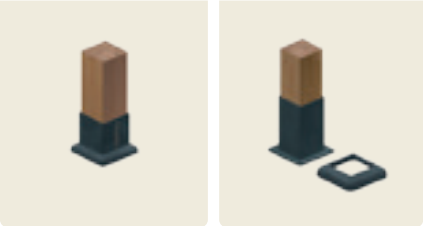


4x9 cm Cross Section  
L-340-290 - 240-90 cm



019x9K1 09 Uniflex

Ground and Wall Connector



02R4 3045 09 Roof Pentaflex

4-Arm Corner Left / Right Connector



03R5 3045M 09 Roof Pentaflex

5-Arm Roof Front Ridge Connector



04R5 30 09 Roof Pentaflex

5-Arm Roof Corner Intermediate Connector



05RC 3045ML 49 Roof Colflex

Intermediate Beam Ridge Left Connector



06RC 3045MR 49 Roof Colflex

Intermediate Beam Ridge Right Connector



07RC 30M 49 Roof Colflex

Intermediate Beam Ridge Connector



08RC 30 49 Roof Colflex

Intermediate Beam Connector



09R3 30M 09 Roof Triflex

3-Arm Roof Front Ridge Connector



10RX 3045M 09 Roof Xflex

4-Arm Roof Intermediate Ridge Connector



11R4 30L 09 Roof Tetraflex

4-Arm Roof Left Corner Connector



12R4 30R 09 Roof Tetraflex

4-Arm Roof Right Corner Connector



13R4 30M 09 Roof Tetraflex

4-Arm Roof Intermediate Ridge Connector



14R3 3045M 09 Roof Triflex

3-Arm Roof Front Ridge Connector



15R1 30 09 Roof Uniflex

Wall Connector







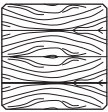






ROOF 30 - 14x14

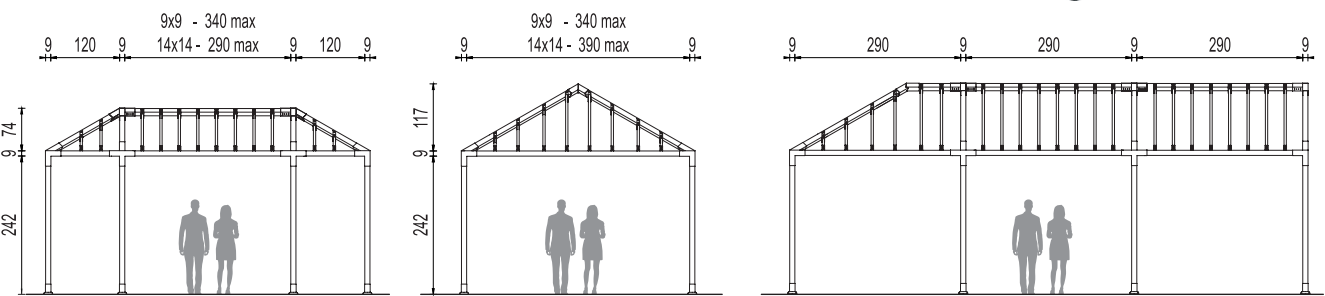
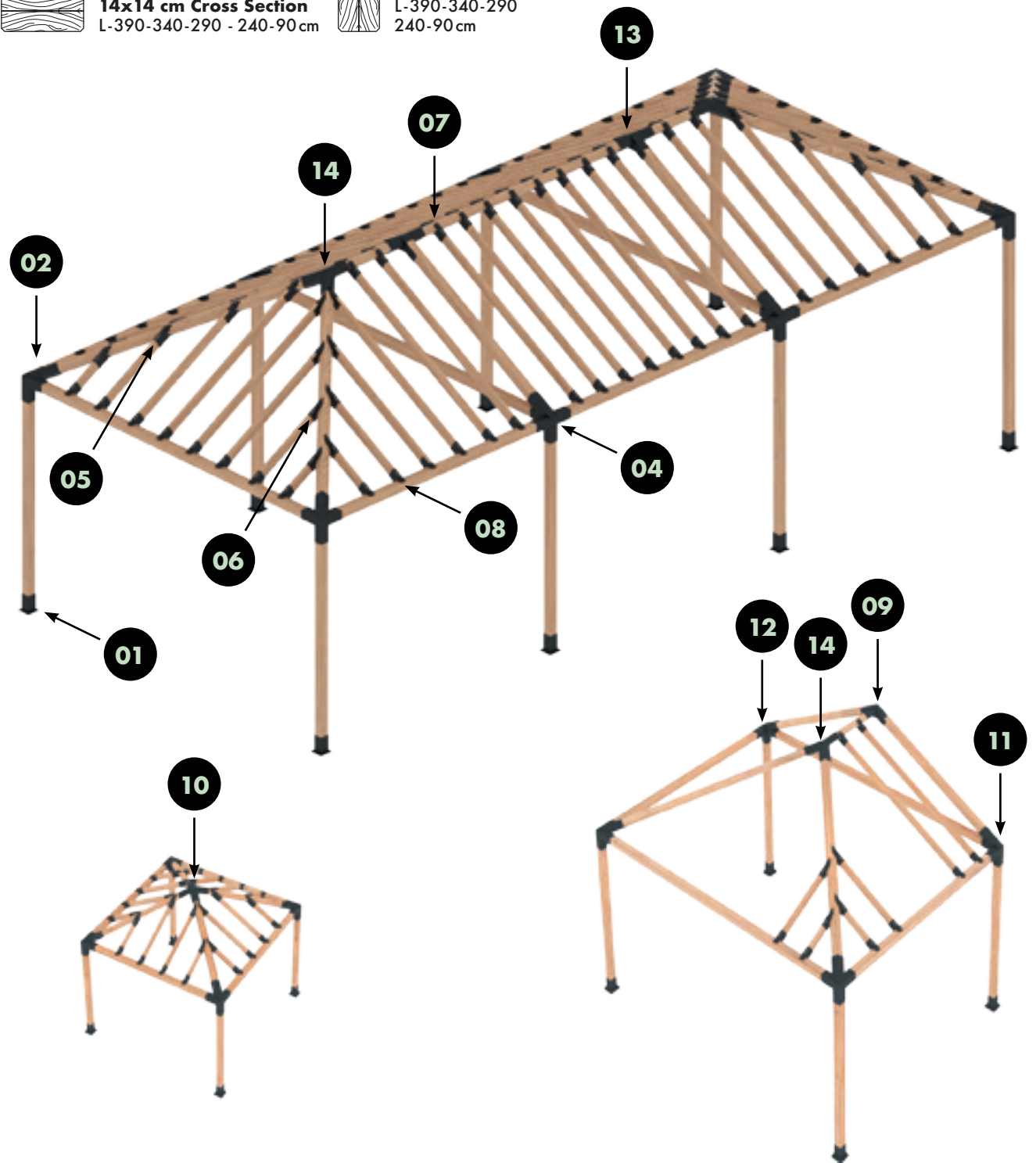
Wooden Beam Cross-Sections and Dimensions



**14x14 cm Cross Section**  
L-390-340-290 - 240-90 cm

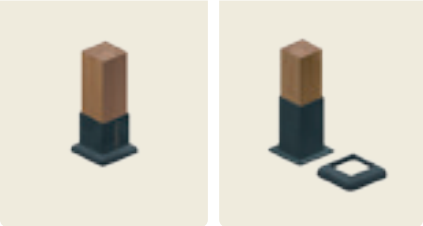


**4x14 cm Cross Section**  
L-390-340-290  
240-90 cm



0114x14K1 14 Uniflex

Ground and Wall Connector



02R4 3045 14 Roof Pentaflex

4-Arm Corner Left / Right Connector



03R5 3045M 14 Roof Pentaflex

5-Arm Roof Front Ridge Connector



04R5 30 14 Roof Pentaflex

5-Arm Roof Corner Intermediate Connector



05RC 3045ML 44 Roof Colflex

Intermediate Beam Ridge Left Connector



06RC 3045MR 44 Roof Colflex

Intermediate Beam Ridge Right Connector



07RC 30M 44 Roof Colflex

Intermediate Beam Ridge Connector



08RC 30 44 Roof Colflex

Intermediate Beam Connector



09R3 30M 14 Roof Triflex

3-Arm Roof Front Ridge Connector



10RX 3045M 14 Roof Xflex

4-Arm Roof Intermediate Ridge Connector



11R4 30L 14 Roof Tetraflex

4-Arm Roof Left Corner Connector



12R4 30R 14 Roof Tetraflex

4-Arm Roof Right Corner Connector



13R4 30M 14 Roof Tetraflex

4-Arm Roof Intermediate Ridge Connector



14R3 3045M 14 Roof Triflex

3-Arm Roof Front Ridge Connector



15R1 30 14 Roof Uniflex

Wall Connector







**EXOTIC**

Ø 8,2

**EXTRA  
ORDINARY  
BEAUTY**



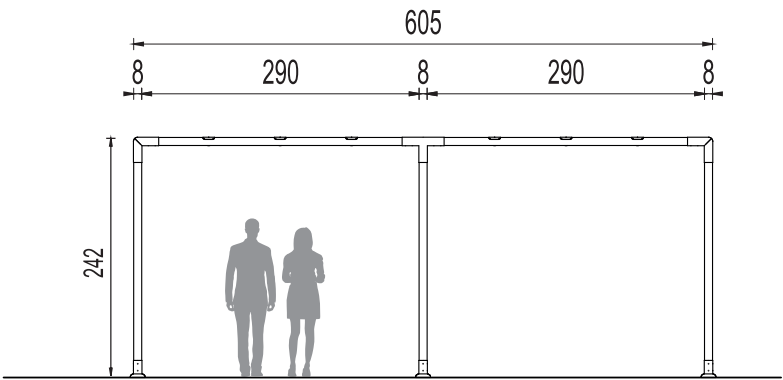
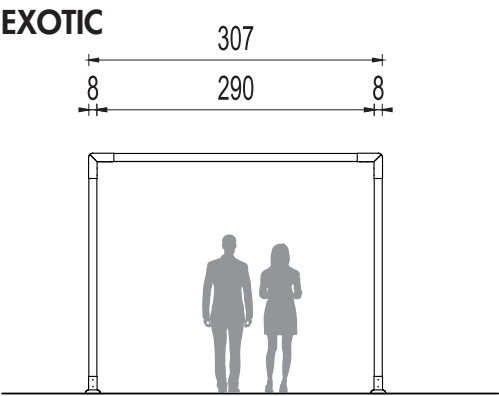
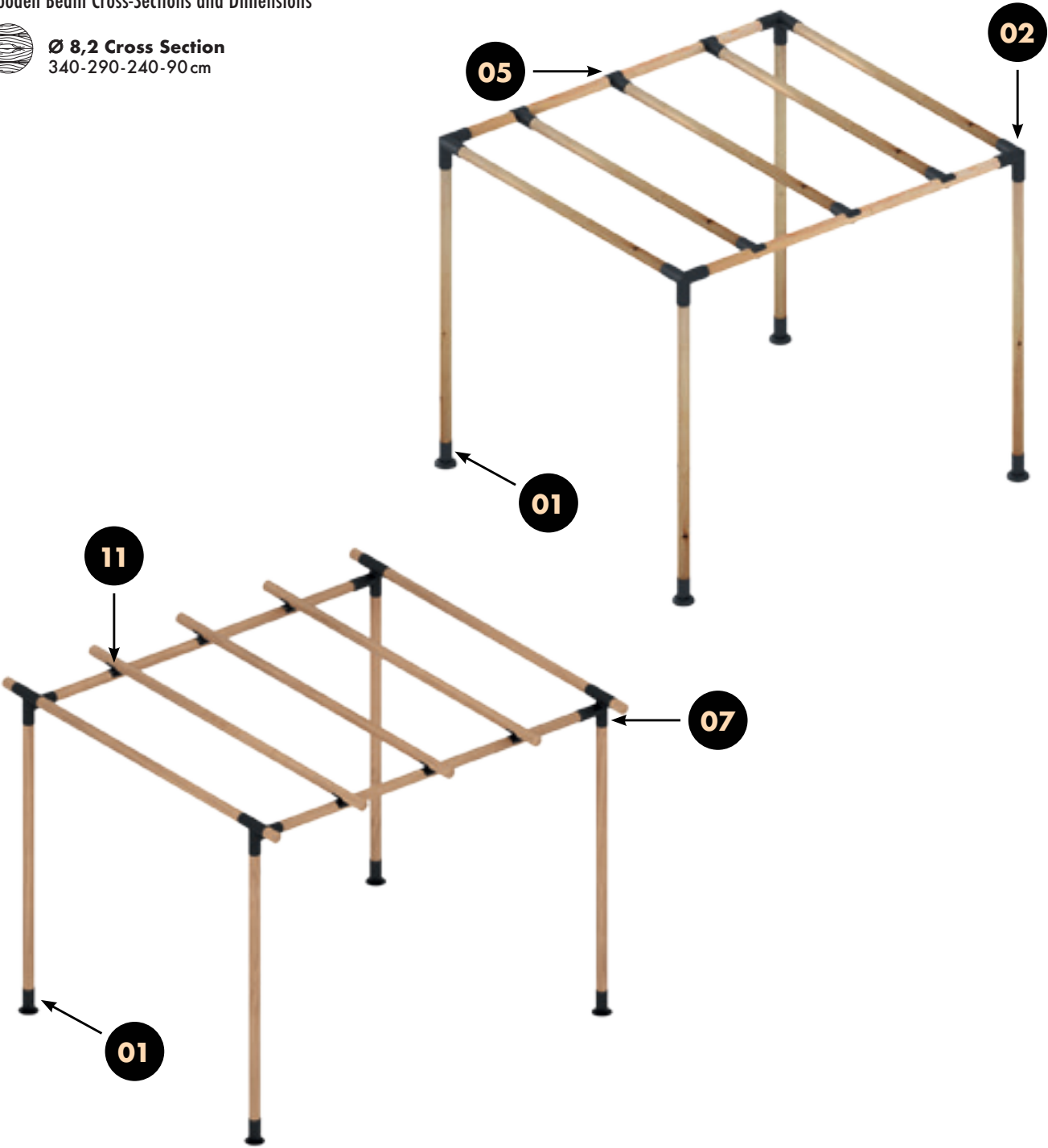






Wooden Beam Cross-Sections and Dimensions

 Ø 8,2 Cross Section  
340-290-240-90 cm



01E1 82 Uniflex

Ground and Wall Connector



02E3 82 Triflex

3-Arm Corner Beam Connector



03E4 82 Tetraflex

4 Kollu Oġta Kenaf / Oġta Baġlantı



04E5 82 Pentaflex

5-arm Intermediate Connector



05EC 82 Colflex

Intermediate Beam Connector



06EC 82 F Colflex

Intermediate Beam Middle Connection



07E4 82 O Tetraflex On

4-Arm Beam Top Connector



08E5 82 O Pentaflex On

5-arm Intermediate Connector



09EP 82 45 flex

Brace Connector



10E3 82 Tflex

3-Arm Connector



11EC 82 O Colflex On

Intermediate Beam Top Connector

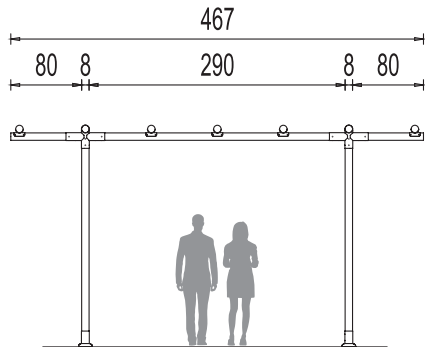
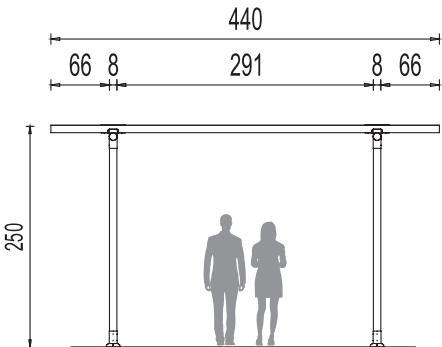
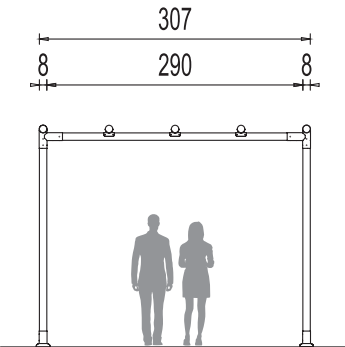


12E0 82 O Colflex On

Awning Top Connector Set



EXOTIC ON













HEXA

We are the first in the world to produce hexagonal and octagonal pergolas that can be easily assembled by users. However, we did not compromise on the materials or factory craftsmanship while manufacturing these products.

The popular and sought-after hexagonal and octagonal pergolas, which were once products only skilled craftsmen could create, can now be easily assembled by anyone using Sunflex Hexa and Octa brackets.

Hexa hexagonal pergolas are suitable for indoor use with dimensions ranging from 300 cm to 600 cm, and they are also appropriate for openings from 400 cm to 700-800 cm

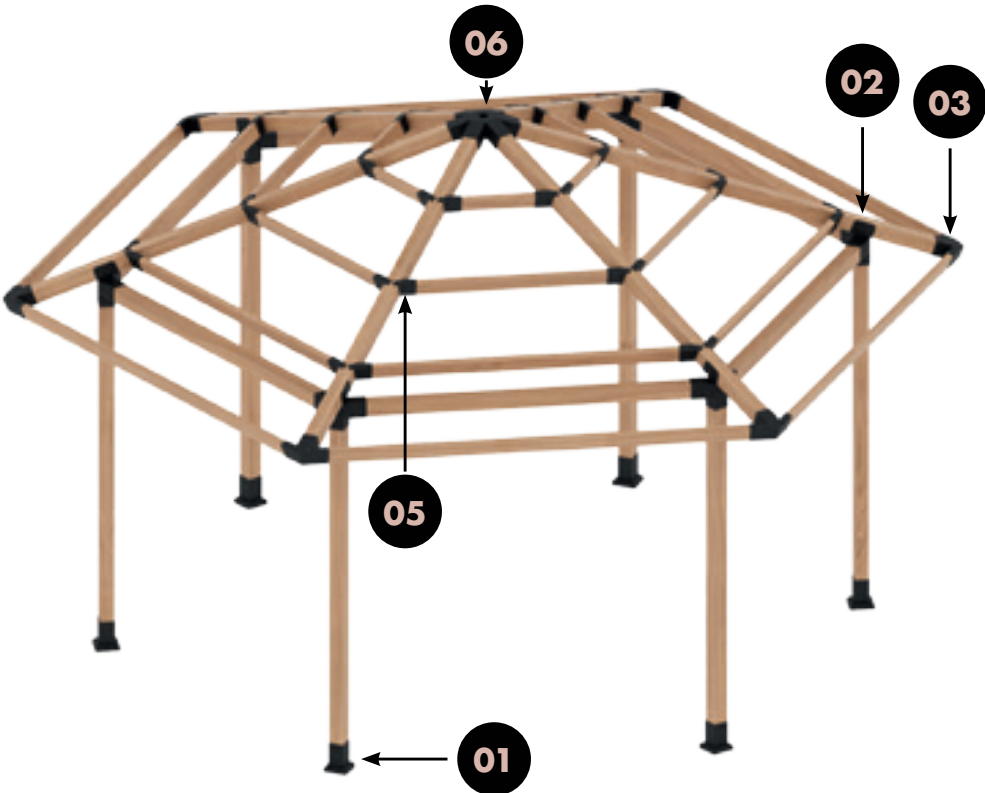
Wooden Beam Cross-Sections and Dimensions



9x9 cm Cross Section  
L-340-290-240-90 cm



4x9 cm Cross Section  
L-340-290-240-90 cm



01

K1 09 Uniflex

Ground Connector

02

R4 H20F 09 Tetraflex

4-arm Roof Open-Ended Corner Connector

03

R3 H20E 09 Triflex

3-Arm Ridge Eave Corner Connector

04

RC H20MR-ML 49 Colflex

Intermediate Beam Ridge Right-Left Connector

05

RC H20HR-HL 49 Colflex

Intermediate Beam Right-Left Connector

06

R8 H20M 09 Hexaflex

6-Arm Ridge Connector

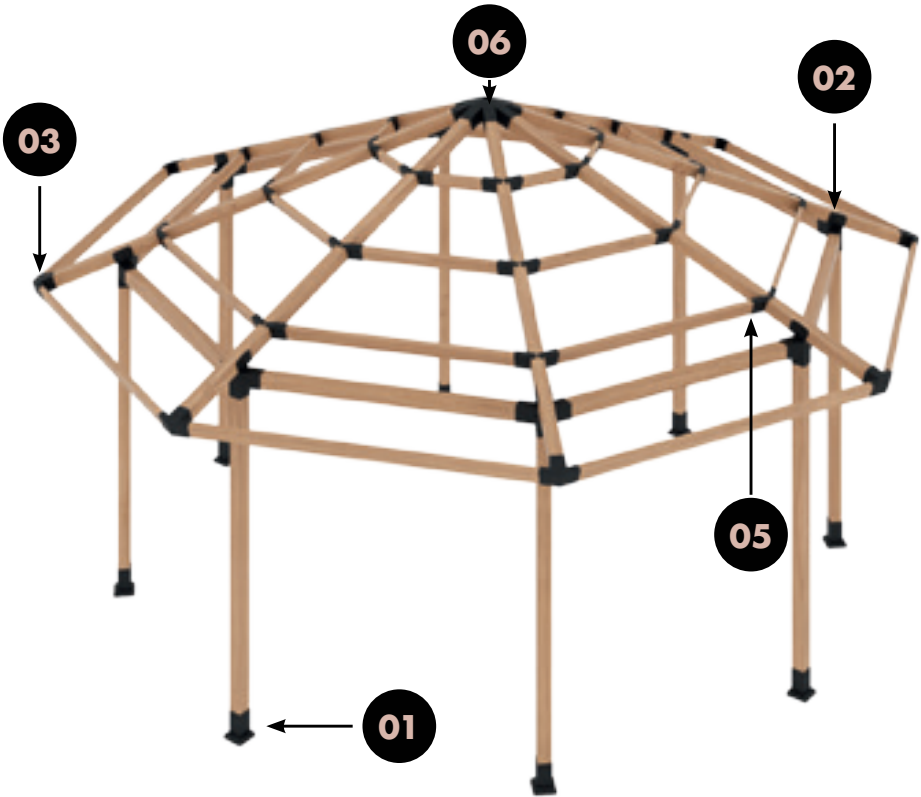
Wooden Beam Cross-Sections and Dimensions



9x9 cm Cross Section  
L-340-290-240-90 cm



4x9 cm Cross Section  
L-340-290-240-90 cm



OCTA

Octa octagonal pergolas can be utilized more efficiently. You can achieve larger pergolas by adding a central post and thickening the roof beams.

When deciding on the dimensions of your pergola, you should consider how you will use it and your layout in advance. You can create pergolas of almost any size, and naturally, the cross sections of the timber will vary accordingly.

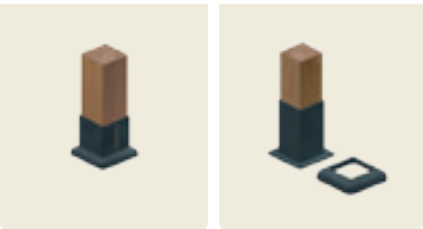
With Sunflex brackets, you can achieve flawless hexagonal or octagonal structures. You can easily create any shape with roof and elevation brackets.

Enjoy the perfect combination of strength, durability, and style with our pergola kits



01 K1 09 Uniflex

Ground and Wall Connector



02 R4 020F 09 Tetraflex

4-arm Roof Open-Ended Corner Connector



03 R3 020E 09 Triflex

3-Arm Ridge Eave Corner Connector



04 RC 020MR-ML 49 Colflex

Intermediate Beam Ridge Right-Left Connector



05 RC 020HR-HL 49 Colflex

Intermediate Beam Right-Left Connector



06 R8 020M 09 Octaflex

8-Arm Ridge Connector





## SUNSHADE AND RAINCOVER

In addition to enhancing the functionality of your pergola, our sunshade solutions can add a stylish touch to your outdoor space. With a sleek and modern design, Sunflex sunshades transform your pergola into an area where you can enjoy spending time.

The breathable fabric allows refreshing breezes to pass through and promotes the free flow of air. The permeable material blocks harsh direct sunlight while allowing soft, diffused light to filter into your space.

Our sunshades are made from the highest-rated fabric available: an extra thick, heavy-duty material weighing 300 g/m<sup>2</sup>. Woven with 100% HDPE (high-density polyethylene) fibers that contain a full-spectrum UV inhibitor, they block up to 95% of harmful UV rays.

The number of Connectors for the sunshades to the beams is also crucial for ensuring the fabric stays taut and does not sag, and it has a good amount of reinforcement at the seams. All fastening hardware is included in the kit; with screw brackets for mounting on corners and side beams, quick-release clips, and sturdy tension straps, you can quickly remove and store the sunshade in adverse weather conditions. You can manually tighten the sunshade at any time to eliminate sagging.

### Advantages of our sunshades:

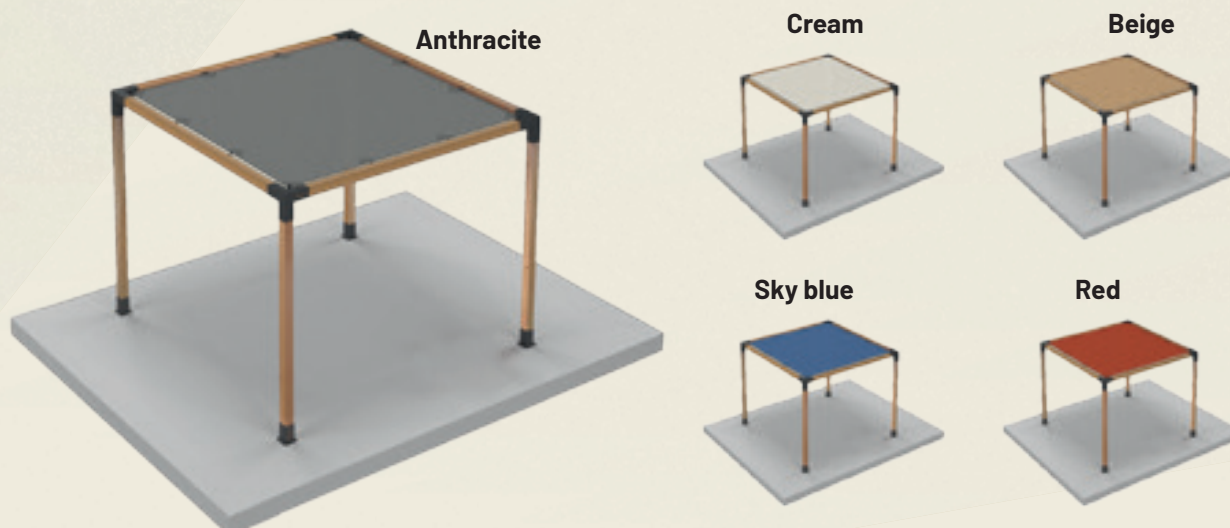
- HDPE synthetic fabric (*high-density polyethylene*)
- Easy to wash and maintain
- Resistant to stains and mold
- Easy to remove in winter or stormy weather
- Thicker, durable product
- Tight tension clips



## SOLO

Our single-piece jute sunshades that can be attached with clips and tension straps are widely used. They can be easily removed and reattached, making them especially popular during the summer months.

The use of breathable HDPE fabric in pergolas keeps the area underneath 3-4 degrees cooler compared to rain cover fabric. As warm air rises, the permeable material enhances air circulation.





## DIFFERENT SUNSHADE AND RAINCOVER OPTIONS AVAILABLE



Sunflex Sunshades are made from UV-resistant polypropylene material that offers high density and durability.

- They are strong and long-lasting, providing protection against 90% of UVA and UVB rays.
- Sunflex Sunshades are safe for health and resistant to high temperatures and humidity.
- We recommend not leaving Sunflex Sunshades exposed to wind speeds exceeding 50 km/h to prevent damage and avoid dirt accumulation during winter.

### TWICE

#### Open-Close

In the Twice model, which can be used with rain cover fabric, you can slide open or close the top of the classic pergola according to the weather, allowing you to adjust the sunlight as desired. This makes the area beneath your pergola much more functional.



### RAKS

#### Bottom - Top

In Raks pergolas, wooden beams are used on the top to enhance the visual elegance of the wood, allowing you to run the canopy through from the bottom to the top as a single piece or in multiple narrow sections. In this model, you can use either sunshade or rain cover fabric to reduce sunlight and provide protection from light rain.



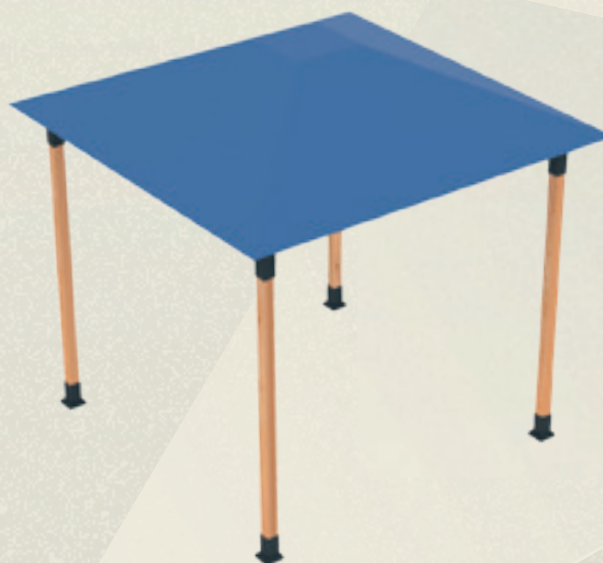


## DIFFERENT SUNSHADE AND RAINCOVER OPTIONS AVAILABLE



### SIGMA – Attach – Detach

In the Sigma model, you can create a roof over your classic pergola using a lightweight steel construction and protect yourself from rain with rain cover fabric. This way, you can enjoy every season. We recommend removing and storing the canopy in very adverse weather conditions.



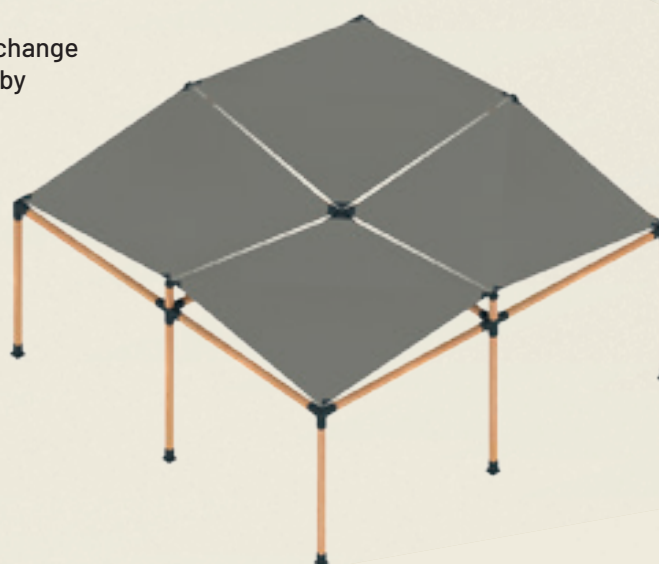
### FIXED – Still

In the Fixed model, you can use rain cover fabric on your roofed pergolas with angles of 7°, 20°, and 30°. The canopy of this model is a bit more challenging to remove and attach, as it is custom-made for the product.



### FLOW – Butterfly

FLOW is a new and aesthetic model for those looking to change their canopy. It offers easy attachment and detachment by connecting at all four corners.



# ACCESSORIES

SUNFLEX PERGOLA SYSTEM DIMENSION TABLE

CROSS SECTION	OUTSIDE TO OUTSIDE	INSIDE TO INSIDE	AXIS PERGOLA SIZE	WOOD LENGTH	SUNSHADE SEAM OUTSIDE TO OUTSIDE
9 x 9	260 x 260	240 x 240	250 x 250	240 x 240	230 x 230
9 x 9	260 x 310	240 x 290	250 x 300	240 x 290	230 x 280
9 x 9	260 x 360	240 x 340	250 x 350	240 x 340	230 x 330
9 x 9	310 x 310	290 x 290	300 x 300	290 x 290	280 x 280
9 x 9	310 x 360	290 x 340	300 x 350	290 x 340	280 x 330
9 x 9	360 x 360	340 x 340	350 x 350	340 x 340	330 x 330
14 x 14	270 x 270	240 x 240	255 x 255	240 x 240	230 x 230
14 x 14	270 x 320	240 x 290	255 x 305	240 x 290	230 x 280
14 x 14	270 x 370	240 x 340	255 x 355	240 x 340	230 x 330
14 x 14	270 x 420	240 x 390	255 x 405	240 x 390	230 x 380
14 x 14	320 x 320	290 x 290	305 x 305	290 x 290	280 x 280
14 x 14	320 x 370	290 x 340	305 x 355	290 x 340	280 x 330
14 x 14	320 x 420	290 x 390	305 x 405	290 x 390	280 x 380
14 x 14	370 x 370	340 x 340	355 x 355	340 x 340	330 x 330
14 x 14	370 x 420	340 x 390	355 x 405	340 x 390	330 x 380
14 x 14	420 x 420	390 x 390	405 x 405	390 x 390	380 x 380

FOOT CONCRETE MOLD  
METAL FORM



ABK 1 - 30x30x18



ABK 2 - 40x40x18



METAL STUD FEET  
ADS 1



## PACKAGING





## LAMINATED BEAM CROSS SECTIONS

### Class 1 Pine and Iroko



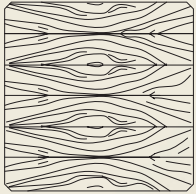
**9x9 L (cm)**  
 340 - 290  
 240 - 90



**4x9 L (cm)**  
 340 - 290  
 240 - 90



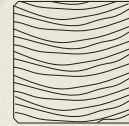
**Ø 8,2**  
 340 - 290  
 240 - 90



**14x14 L (cm)**  
 390 - 340 - 290  
 240 - 90



**4x14 L (cm)**  
 390 - 340 - 290  
 240 - 90



**Tek Parça  
 Kiriş**



Laminated beams are pressed with polyurethane glue, consisting of 4-5 pieces in a 9 x 9 cross-section and 6-7 pieces in a 14 x 14 cross-section, enhancing their quality and durability.

### FEEL AT ONE WITH NATURE

- Wood is healthy, brings you joy, and alleviates stress.
- It is a natural, organic, human-friendly, and warm material.
- Wood offers a wide variety of colors, patterns, textures, and sizes.
- It possesses superior aesthetic and acoustic properties.
- Compared to other building materials, it is the most readily available and quickly renewable material.
- Wood is durable and has a high load-bearing capacity, able to carry more weight than steel.
- It is also a much more economical option.

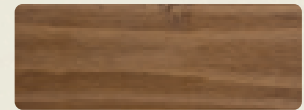
- **Sunflex;** allows users to choose the surface color and varnish treatment for wooden beams to accommodate different color preferences.
- You can protect **wooden beams** with water/oil-based wood paints, clear varnish, or colored varnishes.



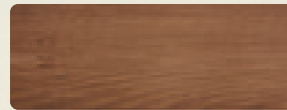
### BEAM COLORS



Naturel



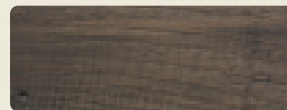
Teak



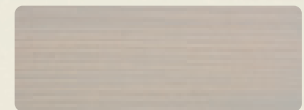
Oak Stain



Walnut



Gray



Transparent White



## SUNFLEX PERGOLA LUMBER

Sunflex bracket systems are an international product with numerous sellers and users across various countries.

Sunflex products can be complemented with suitable lumber; however, transporting lumber can be expensive and unnecessary in many locations. While standard-sized pergola lumber is readily available at home improvement stores in America and Europe, supply issues are encountered in other regions. The products that can be found are often in single pieces. Our customers require pergola lumber, and we prepare the requested pergola lumber with the highest quality.

Wood is a natural, organic, human-friendly, and warm material. It offers a wide variety of colors, patterns, textures, and sizes, and it possesses superior aesthetic and acoustic properties. Compared to other building materials, it is the most readily available and quickly renewable material. Wood is healthy, brings joy, and alleviates stress, making it a much more economical option.

Choosing the right wood is crucial. This ready-made lumber, specially processed to match the range of Sunflex components, ensures perfect compatibility and an excellent surface. With Sunflex brackets and pergola lumber, you can achieve a very strong structure in a short time without the need for cutting, angled cuts, notches, or fittings that would weaken the lumber.

## LUMBER TYPE

For pergola lumber, you can use yellow pine, oak, cedar, black pine, Douglas fir, chestnut, ash, acacia, and exotic woods such as iroko, movingui, and sipo. The best cost-benefit ratio for pergolas is provided by pine and pine species; pine lumber is an excellent choice for outdoor conditions due to the resin contained in its pores.

The moisture content of the wood should be between 12-14%. If it is not dry, green lumber will shrink as it dries and may remain small within the brackets. Kiln-dried heat-treated lumber expels moisture from its pores and causes the pores to contract. This minimizes the movement of the lumber. Pressure treatment of wood is the best and most effective way to extend and protect its lifespan.

## CLASSIFICATION

Even if the wood is brought in dried to the appropriate moisture level, care should be taken regarding classification. In pergolas that become a part of our homes and workplaces, visual quality becomes important when accessible. The lumber trade is highly susceptible to errors and misrepresentation. There is a high likelihood of mistakes in measurements and classifications. You may think you bought the lumber at a reasonable price, but when you see the results, you might realize you overpaid.

Pergola lumber can be made from any construction lumber if visual quality and potential defects over time are not prioritized. Construction lumber is typically made from grades 3 and 4 and is not kiln-dried, which can lead to large knots, cracks, twisting, and bending. A single piece of high-grade, well-dried lumber may be used, but to reduce inherent and future defects, Sunflex employs laminated beams.

## SUNFLEX LAMINATED BEAMS (GLULAM)

Sunflex uses first-class and extra mixed yellow pine lumber as its pergola material. Yellow pine is highly valued for outdoor use due to its color, pattern, scent, and durability. Sunflex focuses on visual quality and minimizes potential cracks, warps, and twists by producing laminated beams (glulam) that are kiln-dried to 10-14% moisture content, made by stacking 4 to 7 pieces depending on thickness. The standard used is EN 14080:2013. Laminated beams (*glulam*) have a higher load-bearing capacity than both steel and concrete when compared by weight.

In Sunflex pergola lumber, waterproof polyurethane adhesives that do not contain formaldehyde are used, taking human health and EU standards into consideration.



## MAINTENANCE AND PROTECTION

Sunflex brackets are robust and highly resistant to corrosion, requiring no maintenance or additional protection. They can be washed or wiped clean, ensuring long-lasting use with peace of mind.

Wooden lumber is a popular choice due to its natural appearance and durability. However, to preserve the beauty and integrity of wood over time, some maintenance is necessary.

To maintain the longevity of the pergola, the wood should be treated with an appropriate surface coating. As an organic material, wood may develop small hairline cracks, and its varnish or paint can be affected by rain and wind over time, potentially peeling and losing its protective properties. Sun and wind can be particularly harsh, leading to fading and weakening of the wood fibers. Exposed wood will inevitably undergo color changes and some degree of erosion.

The extent of these effects can be minimized by applying suitable water-repellent solutions and/or high-quality water- or oil-based paints and varnishes for outdoor use. There are many products on the market that can protect your pergola from intense UV rays and prevent the fading and degradation of wood color, offering excellent protection against weathering and wear. In addition to various international water-based oil and varnish products, there are also many high-quality domestic options available.

You can seek support from hardware stores that specialize in brands like Hemel, Marshall, Dyo, Tikkurila, Remmers, and Monocoat. These protective products provide an excellent visual appeal while safeguarding your pergola against sun, rain, and other weather effects, ensuring the wood remains durable and fresh-looking for a longer time.

There is no need to worry about complex preparation processes with these new protective products, as they can be easily applied without sanding or stripping. They do not peel or flake off, allowing the wood to continue breathing, which ensures long-lasting protection without surface deterioration.

### TIPS FOR PROTECTION AND MAINTENANCE

If your wood is new, you can renew the surface by lightly sanding it once a year to remove dirt and dust, followed by applying a new coat of color, varnish, or oil based on climate conditions and the wood's condition. This will help your wood maintain its vibrant and beautiful appearance as on the first day.

### WATER-BASED OUTDOOR VARNISH APPLICATION

If you want to see the natural color of the wood, you can apply two or more coats of outdoor water-based varnish.

If you wish to tint the wood, two application methods are available:

#### METHOD

Apply two coats of outdoor topcoat varnish over an impregnated surface color. For a newly sanded wood surface or one cleaned of oil and dirt, first apply the desired base color with a brush or cloth.

Wipe off any excess paint with a dry cloth. This application allows the color to penetrate deeper into the wood pores, ensuring long-lasting color retention and a more vibrant appearance after varnishing. After a drying time of two hours, apply the first coat of water-based outdoor topcoat varnish with a brush or cloth. After twelve hours, apply the second coat of water-based outdoor topcoat varnish.

For a more practical and faster result, you can apply two coats of water-based colored outdoor varnish using tinted varnishes.



## TIPS

### PREPARATION

Ensure that the wood surface is clean and dry before applying the protector.

### MIX THE CONTAINER WELL

This ensures the pigments are evenly distributed.

### USE A SUITABLE BRUSH

Choose a quality brush that is appropriate for applying the protector.

### APPLY THE PROTECTOR EVENLY

Work in thin layers and apply multiple coats if necessary for even coverage..

### DRYING TIME

Wait for the recommended drying time between coats. This can vary depending on the product and weather conditions.

## HOW TO CHOOSE THE COLOR OF YOUR PERGOLA?

When selecting the color of your pergola, consider the following factors:

### STYLE OF YOUR GARDEN

Ensure that the color of the pergola complements the overall style of your garden. Natural wood colors or oak work well in rural or rustic gardens, while gray tones give a modern look.

### PERSONAL PREFERENCE

Choose a color that appeals to you and makes you feel comfortable.

### MAINTENANCE

Some colors require more maintenance than others. For example, dark colors like charcoal and black may fade more quickly when exposed to sunlight and may require more frequent reapplication.

A wooden pergola that beautifully complements your garden can create a unique look that matches your taste and style with wood stain. Colors can be transparent, highlighting the wood grain, or fully opaque. You can make your color selection by viewing vibrant sample colors at your nearest hardware store.

## WHY DOES SUNFLEX OFFER WOODS NATURALLY?

In today's world, the internet provides access to every detail, and with the rapidly advancing product packaging quality and shipping capabilities, it's easier than ever to obtain high-quality products at more affordable prices and with speed.

Sunflex utilizes high-tech machines and trained labor to perform necessary processes in its factories while leaving simple manufacturing tasks that anyone can do at home or at work to the user. This approach aims to help users save a significant amount of money. And isn't it enjoyable to engage in a project with your family?

- Additionally, the challenge of maintaining a large inventory of color options for fast lumber shipping is another factor.
- We can only offer optional surface treatments in very rare cases.



## CATAPHORESIS

### WHY DO WE COAT SUNFLEX BRACKETS WITH CATAFORETIC COATING?

Wooden pergolas used in your garden or terrace become a part of your home. After investing your time and savings in pergolas that will be used by the sea or in different climates, discovering that they corrode shortly thereafter can be disappointing, leading you to repaint or repair them.

For existing pergolas, repainting the brackets is nearly impossible. In contrast, products made from galvanized profiles or steel will lose their galvanization at cut, drilled, or welded surfaces, making them susceptible to corrosion and rusting quickly.

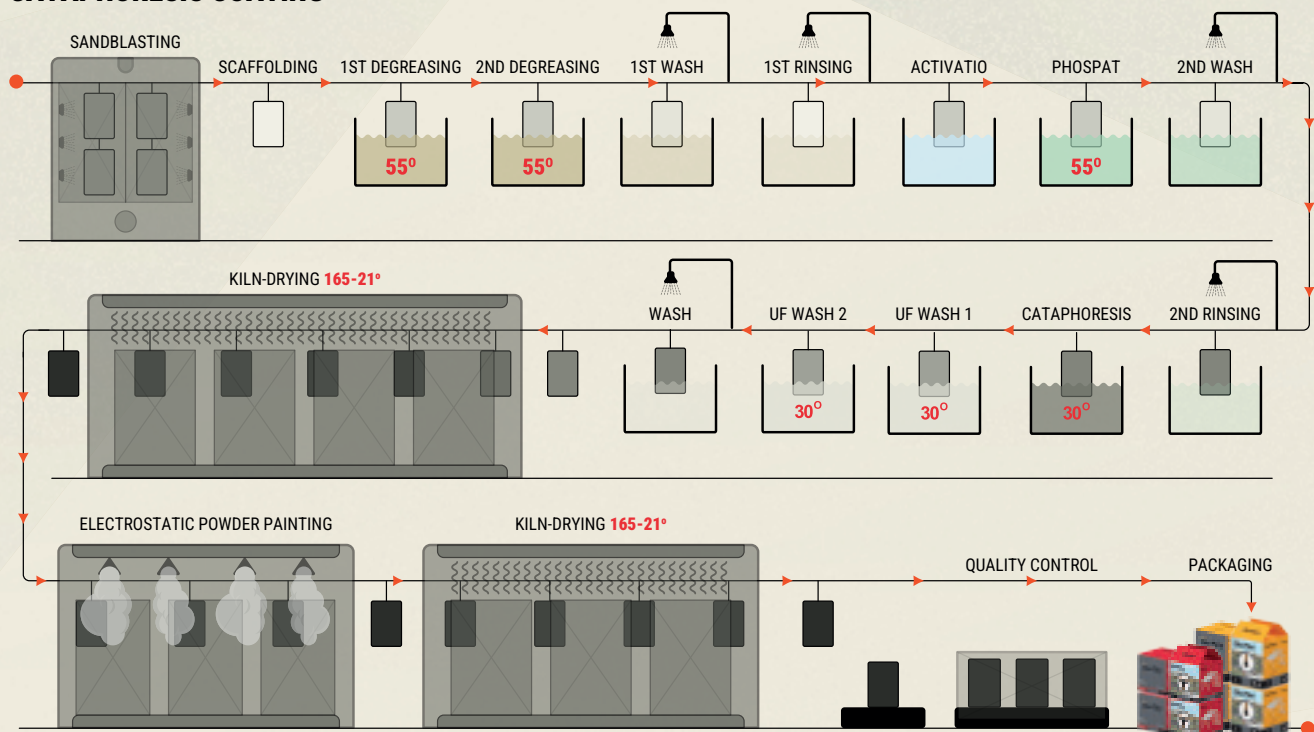
Sunflex brackets undergo a sandblasting process after cutting, drilling, and welding. They are then treated with a dip cathodic coating before being painted with electrostatic paint. This process provides a minimum guarantee of 10 years, given that there are no impacts or injuries according to test results. Thus, you can use Sunflex brackets for a much longer time.

Cathodic coating is an electrocoating process based on electrochemical principles, and it is a highly effective method for protecting conductive, complex geometric metal parts from corrosion through painting.

Furthermore, cathodic technology is environmentally friendly. It is used in automobiles, as well as the chassis and visible surfaces of buses and trucks, as a protective coating against corrosion under the paint.



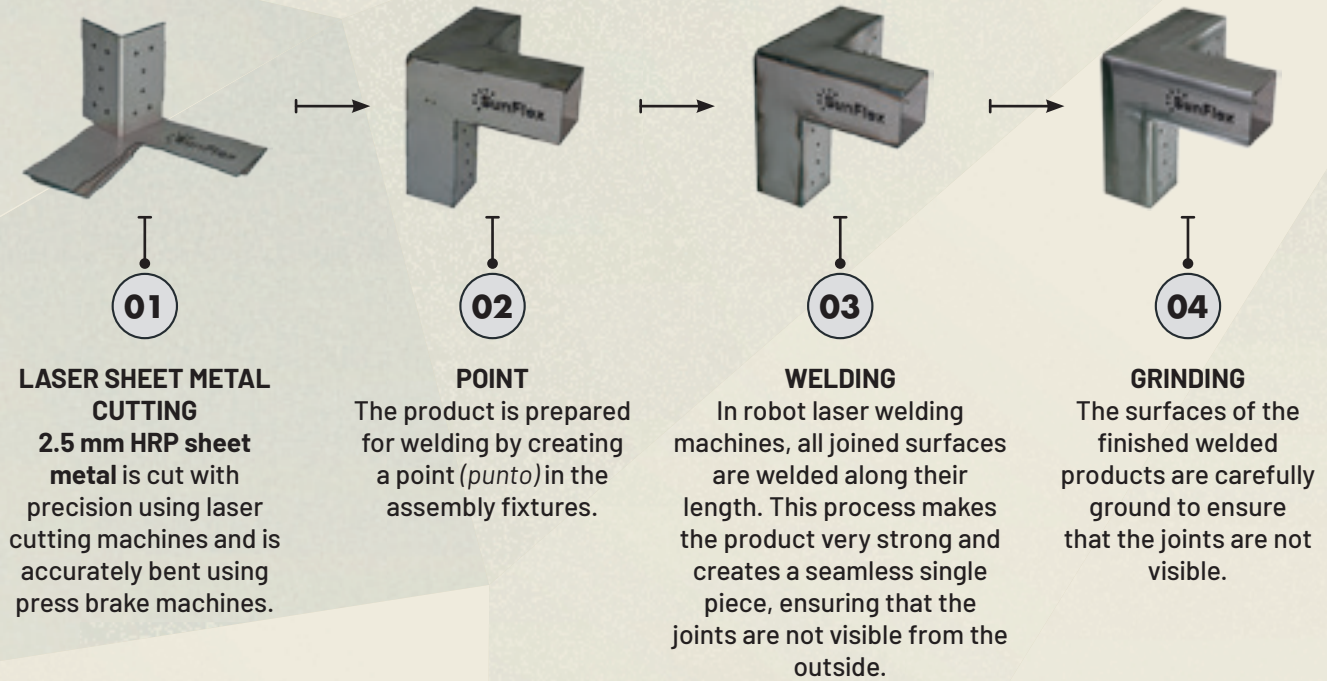
### CATAPHORESIS COATING





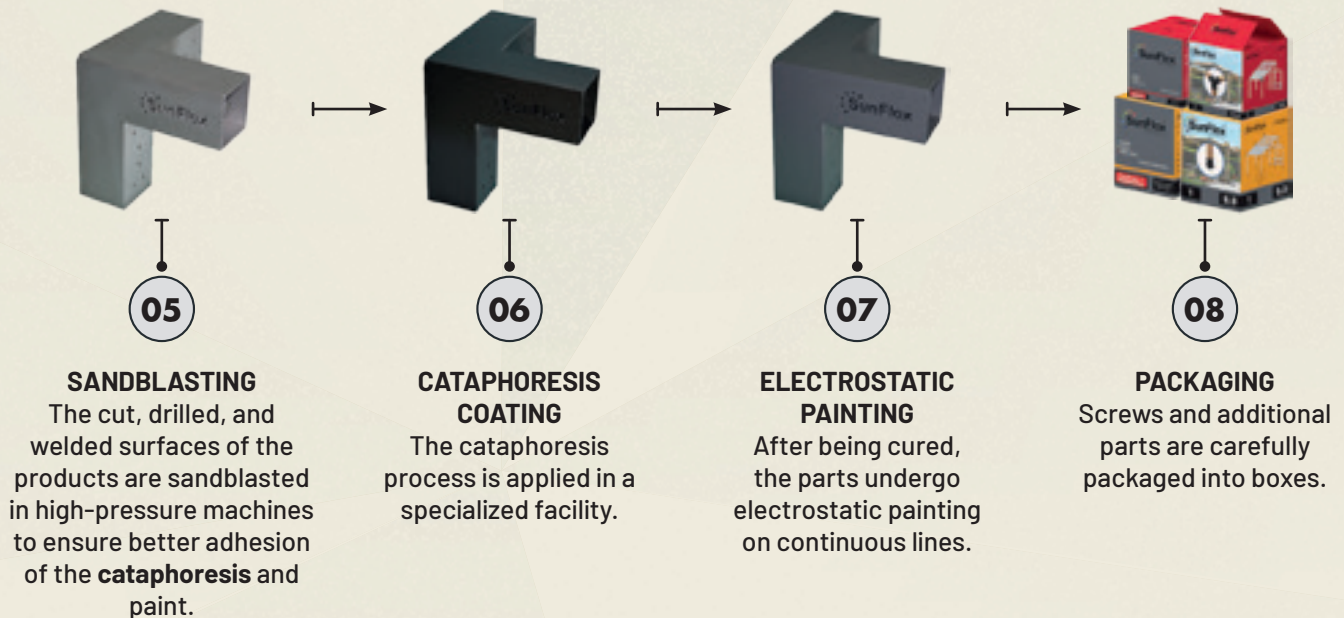
## STRONG STRUCTURE, VISUAL QUALITY, EASY ASSEMBLY

We produce Sunflex brackets, an international product, using advanced technology and high-quality materials. As Sunflex, we are a leader in the production of top-quality pergola brackets.



The welding method used for Sunflex brackets is the most important factor affecting their quality. In Sunflex products, there is no visible joint welding on the front side of the galvanized box profile, thanks to the dense spot internal welding made from galvanized sheet metal that prevents the timber from fitting easily into the groove. This results in a much sturdier, single-piece product compared to other manufacturing methods.

The cathaphoresis process is the second most important factor affecting quality. It provides very high corrosion protection. On the side, you can see the application areas and methods of the process..





**READY MADE WOODEN  
PERGOLA SETS**  
2024 - 2



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