

# nola®



## Akalla Shading Structure and Shelter

### Design Nola

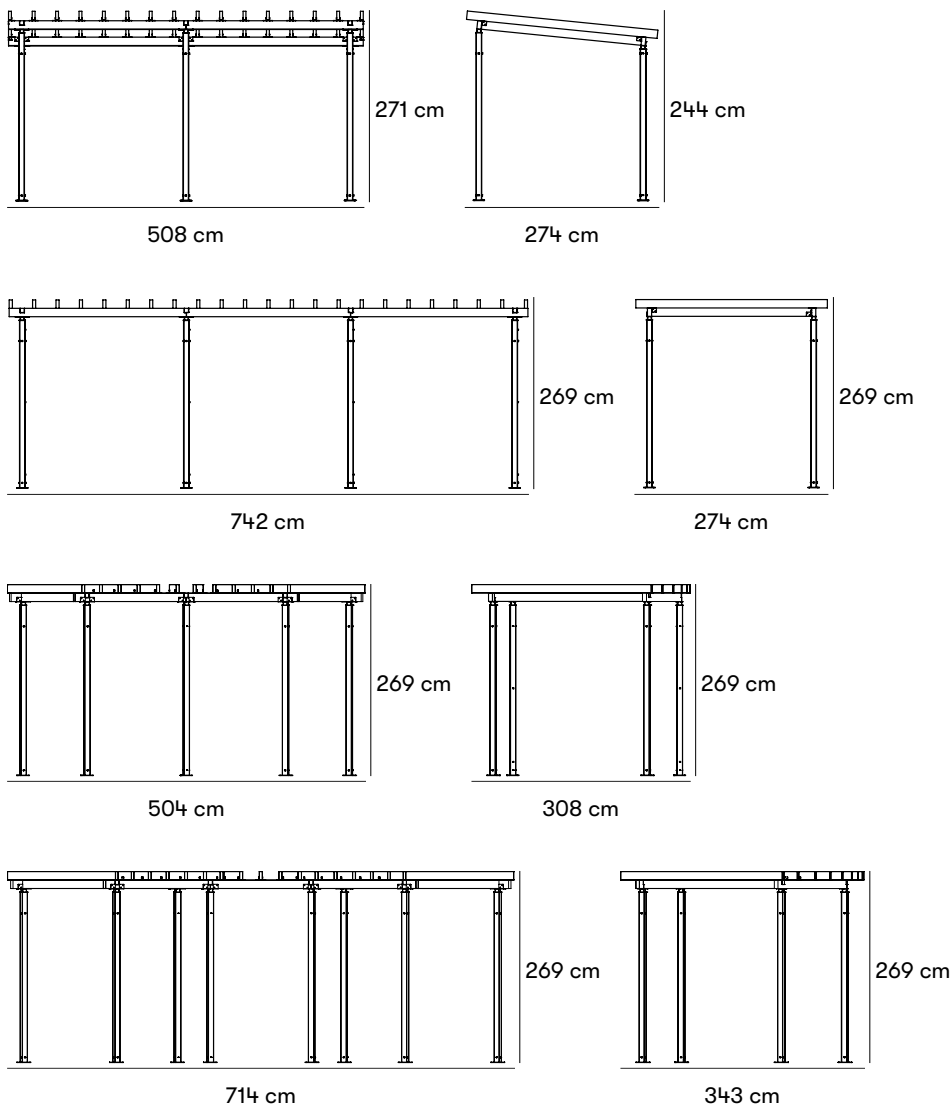
Akalla is a shading structure with oiled oak beams supported by black steel posts. A version with a plywood parts is available to provide support for a roof of corrugated metal, plastic or sedum. The system can easily be expanded and supplemented with additional sections. While Akalla provides an ideal spot for enjoying a garden or outdoor courtyard, it can also be used for storing bicycles and recycling bins. For Akalla with a flat pergola roof, there are both straight and angled start and extension sections, for more information see system description. Akalla has been approved in the [Svanens Husportal](#) (Sioux oak) and is environmentally assessed via [Byggvarubedömningen](#).

#### CERTIFICATION

Produkt listad i  
Svanens Husportal



**SundaHus**



**Dimensions and weight**

**Akalla Straight Start section Angled roof**

Length: 508 cm  
 Width: 274 cm  
 Height: Front: 271 cm. Back: 244 cm  
 Weight: 368 kg

**Akalla Straight Start- and Extension section Angled roof**

Length: 742 cm  
 Width: 274 cm  
 Height: Front: 271 cm. Back: 244 cm  
 Weight: 500 kg

**Akalla Straight Start section Flat roof**

Length: 508 cm  
 Width: 274 cm  
 Height: 269 cm  
 Weight: 368 kg

#### **Akalla Straight Start- and Extension section Flat roof**

Length: 742 cm

Width: 274 cm

Height: 269 cm

Weight: 500 kg

#### **Akalla Angled Start section Flat roof**

Length: 504 cm

Width: 308 cm

Height: 269 cm

#### **Akalla Angled Start and Extension Flat roof**

Length: 714 cm

Width: 343 cm

Height: 269 cm

#### **Product numbers and combinations**

Ö80-10 Akalla Pergola Straight Start section with angled pergola roof.

Ö80-11 Akalla Pergola Straight Extension section with angled pergola roof.

Ö80-10RT Akalla Pergola Straight Start section with flat pergola roof.

Ö80-11RT Akalla Pergola Straight Extension section with flat pergola roof.

Ö80-13 Trellis section with wooden slats in oiled oak for Akalla Straight Pergola.

Ö80-12RT Akalla Pergola Rhombus-shaped Extension section with flat pergola roof.

Ö80-14RT Akalla Pergola Angled Start section with flat pergola roof.

Ö80-15RT Akalla Pergola Angled Extension section with flat pergola roof.

#### **Append to product number**

##### **WOOD AND FINISH**

EK for oiled oak.

SIOO for sioo:x treatment oak.

LIN for linax impregnated pine.

RAL 9005

C for another color other than standard, starting cost is added.

##### **METAL SURFACE FINISH**

RAL 9005

C for another color other than standard, starting cost is added.

##### **VARIANTS**

RT for Akalla with flat pergola roof.

For more information on how Akalla is built out with straight and angled sections, see system description.

#### **Standard colours**



RAL 9005



Oiled oak



Linax impregnated pine



SiOO:X treatment oak

## Materials and surface treatments

### Pine

Nola's pine is of high quality and comes from sustainable forestry. Pine is an environmentally friendly, domestically produced material. Damaged or untreated pine is quite easily attacked by decomposition processes; therefore, it is particularly important to repair damaged surfaces.

### Oak

Oak is a heavy, hard and medium tough wood. Moderately dimensionally stable in case of moisture changes. Oak wood blackens if it is exposed to moisture or wetness for a long time. However, it does not affect the other properties of the wood. Thanks to its hardness and toughness, the oak wood is suitable for furniture and other use in exposed environments.

### Wood oil

Wood oil provides good protection against the stresses of the outdoor climate and at the same time highlights the wood's natural appearance and properties.

### Linax

Linax is a linseed oil-based impregnation that provides extra long durability in outdoor environments and corresponds to impregnation class AB. The impregnated wood turns gray over time, which means that it should be re-oiled if necessary. Use a linseed-based oil for impregnated materials.

After traditional impregnation according to NTR AB, the wood is boiled in a hot linseed oil with or without color pigments under vacuum. The oil is penetrated into the surface on all six sides, which reduces moisture absorption in the wood and gives a dimensionally stable product over time. The result is a dried product with good resistance to rot that also has long maintenance intervals. Linax-impregnated furniture is intended for outdoor environments only.

### SiOO:X treatment

Sioo:x is a wood protection with environmentally friendly silicon technology. Water-based and biocide-free. We use Sioo mainly for our oak furniture. Sioo:x treatment of is suitable for all woods, outside as well as inside, and gives a light surface without pigments. The surface is UV-resistant, water-repellent and non-stick. Active and preventive action against algae, mould and pests. Also rot-proof, wood-strengthening and fire-retardant. This wood protection provides long durability and easy maintenance.

### Water-based glaze

Varnishing of wood is done with a water-based varnish. A water-based paint that is kinder to the environment. Under normal use, the paint has a good wear resistance and long durability.

### Steel

Nola uses high-quality steel with good strength in our products. Steel rusts if left untreated and must therefore be surface treated.

### Electrogalvanized

Electrogalvanizing (also known as zinc plating) provides corrosion protection through the sacrifice of zinc ions. It is created via a zinc coating on the steel using an electric current.

### **Powder coating**

Powder coating is a coating that is applied as a free-flowing, dry powder. Unlike conventional liquid paint, powder coating is usually applied electrostatically and then cured under heat or with ultraviolet light. The result is an even, hard-wearing coloured surface with the desired gloss level.

## **Assembly and placement**

Poles, trellises, over-lignite and pergola bars are supplied separately.

Poles are measured and anchored to the ground.

Trellises are mounted against the posts and the associated screw.

The uppers are screwed against the posts with the screws and angular fittings attached.

The pergola booms are screwed against the uppers using the screws and angular fittings supplied.

See installation instructions for more information.

Mounted against foundation. See assembly instructions for more information.

## **Maintenance**

### **Oiled oak**

Oiled oak should be oiled twice a year for best protection. Good maintenance can never completely prevent stains from occurring, but oak that is not maintained will turn blacker and turn gray faster, but it still has a very long life. When re-oiling products, a finely boiled oil that penetrates the wood should be chosen over a film-forming oil.

### **Linax impregnated pine**

Outdoor furniture requires oiling every 5 years and panel products and roofs require oiling every 12 years. Maintenance should be done with linseed oil varnish. It is important that the wood is clean and dry (max. 20% moisture content) before it is finished with oil. When washing, do not use high-pressure cleaners. Washing should be done with lukewarm water and then rinsed off with a water hose at normal pressure. Strong grease-dissolving agents should not be used, but washing should be done with a mild household detergent. Detergents containing bleach should also not be used.

The oil can be applied with a roller or brush. Too much oil can cause growth on the wood and give a sticky surface. Attacks by growth can also occur if the wood has not been sufficiently dry or cleaned before the oil is applied. Growth does not damage the wood and is relatively easy to remove, but has a tendency to return.

#### **SiOO:X treatment oak**

Sioo:x-treated products are treated twice upon delivery; once with a wood protection (Premium Träskydd Altan) and once with a surface protection (Premium Ytskydd Altan). After 12 - 18 months, for best durability, the surface should be treated once more with Sioo:x Premium Ytskydd Altan. It is important to keep the product clean, otherwise the surface protection can be destroyed. Products that are exposed to heavy mechanical wear may need extra treatments. The surface treatment has a tested effect according to the standards EN 46 and EN 113.

For information about the Sioo treatment see the website [www.sioox.se](http://www.sioox.se).

#### **Water-based glazed pine**

Products in varnished pine must be maintained regularly with alkyd paint. Maintenance intervals approximately 1 time per year. Damage and cracks should be repaired immediately. Touch-up paints in spray packaging are available in standard colors to order.

#### **Powdercoated steel**

Products that are powder-coated can be touch-up painted with alkyd paint.

**[Read more in our general maintenance advice at nola.se/en/care-and-maintenance](http://nola.se/en/care-and-maintenance)**

#### **Versions**

Akalla is a pergola system that can be expanded. The start section has the measurements above. There are extension kits for longer variants. Body sections and trellis sections are ordered separately. Standard steel color, black RAL 9005

#### **Character**

Functional pergola system with trellis sections. Spacious but at the same time simple in its steel construction with wooden details in oiled oak.

#### **Sustainability**

CO<sub>2</sub>-eq: -174,32 kg CO<sub>2</sub>  
Energy consumption: 13248,54 MJ  
Recycled materials: 1,71 %  
**[View EPD for details](#)**

#### **Designers**

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#### **Nola**

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The Akalla pergola and Tüben furniture group shown in one of Rosendal's outdoor courtyards. Photo: Christoffer Skogsmo.



Akalla pergola in powder-coated steel and oak. Photo: Jann Lipka.



