

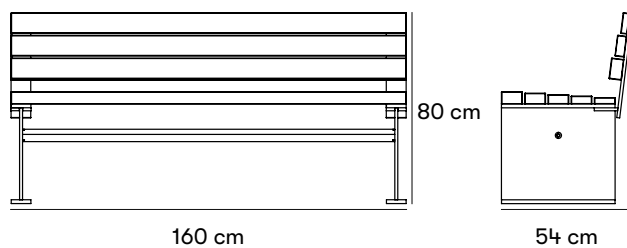
nola®



## Perpendicular Furniture System

Design Thomas Bernstrand

As its name suggests, the Perpendicular park bench is formed by components aligned at concise angles. Sleek wooden slats form a seat and backrest positioned at angles that make seating more comfortable and ergonomic. The steel parts join together without any visible welds, giving the bench a sleek appearance. The benches can be complemented by optional tabletops on either side. With its streamlined proportions and sleek details, Perpendicular is a perfect complement to modern architecture. The park bench and backless bench, together with the side tables, can be interconnected to form lengths in a variety of sizes and configurations.



#### Dimensions and weight

Length: 160 cm Length including two armrests: 170 cm

Height: Park bench: 80 cm Bench: 45 cm

Armrest height: 62 cm

Sitting height: 45 cm

Sitting depth: Park bench: 46 cm

Depth: Park bench 54 cm Bench: 46 cm

Park bench weight: 33 kg Weight including two armrests: 38 kg

Bench weight: 27.5 kg Weight including armrests: 35.5 kg

Armrest for park bench weight: 2.5 kg

Armrest for bench weight: 4 kg

Tabletop weight: 4 kg

#### Product numbers and combinations

**U16-60** Perpendicular bench

**U16-61** Perpendicular park bench

**U16-60/ARM** Perpendicular armrest for bench, 1 item

**U16-61/ARM** Perpendicular armrest for park bench, 1 item

**U16-62** Perpendicular connector tabletop

**U16-62/45** Perpendicular connector tabletop, 45° angle

**B11-06** Additional fee for choosing a non-standard colour for the powder-coated steel

#### Append to product number

##### WOOD AND FINISH

LIN for linax impregnated pine.

Wood in oiled pine.

##### METAL SURFACE FINISH

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

#### Standard colours



RAL 9005

Linax impregnated pine

#### 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.

### **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.

### **Aluminium**

Aluminum is a soft light metal that is silvery to gray in color. Depending on the alloy, aluminum usually has good corrosion resistance. It is common for the aluminum to be extruded into tubes or rolled into a plate in the desired material thickness.

### **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**

### **Freestanding**

Freestanding product that is placed directly on the ground.

Perpendicular benches and park benches are delivered partly assembled with couplings and armrests not fully tightened. The tabletops and armrests are supplied with M10 screws for assembly. Assemble the main product first before installing tabletops, then installing armrests at the end of assembly.

## **Maintenance**

### **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.

#### **Powder coated Aluminium**

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

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

## **Designers**

---

### **Thomas Bernstrand**

Designer Thomas Bernstrand, who owns his own design studio in Stockholm, has participated in a large number of design and art exhibitions around the world such as MoMA in New York, Colette in Paris, Biennale Design Saint-Etienne and others.

Bernstrand has received several awards for his work, including Excellent Swedish Form and Winner of the Good Design Award 2012 for Nolastolen Share. For Nola, Bernstrand has designed a large number of products and furniture series and participated in a number of special projects over the years.



