



## **INSTALLATION GUIDE (ENG)**



**Congratulations on your new furniture from dk3**

ROYAL SYSTEM® bookcase was designed in 1948 by legendary Danish designer and manufacturer Poul Cadovius. It was one of the world's first wall-hung furniture systems and there has been made many attempts to copy this famous design, but ROYAL SYSTEM® is and remains the original.

At dk3 we create unique design furniture that is shaped by nature and processed by

true enthusiasts. And always with a focus on personality and sustainability.

The love of the organic material and uncompromising approach to quality is present throughout the process.

ROYAL SYSTEM® can be mounted on concrete, brick, hollow block and double plasterboard walls with the supplied screws and wall anchors.

The installation should be performed by a qualified professional due to elements' size and weight, which require extra precision and experience to achieve a good result.

It is extremely important that the wall is suitable for suspension, and that all the elements are fitted straight and parallel to each other.

### **The following tools are required:**

Drilling-machine to pre-drill screw holes if necessary.

Screwdriver fitting the screw

A spirit level for the rails

If necessary, a tape measure

### **PLEASE NOTE**

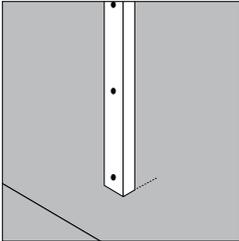
**The supplied screws and wall anchors are only usable for walls of concrete, brick, hollow block and double plasterboard.**

**Always choose an alternative mounting system and, if needed, alternative tools if the wall is of a different nature..**

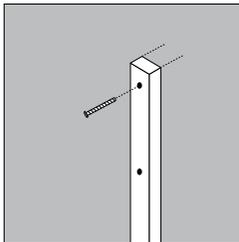
## MOUNTING OF THE 1st RAIL (art. dk3-ROYAL-1+2)

Mark the first screw holes on the wall at the desired position; pre-drill and then attach the rails with screws/wall anchors.

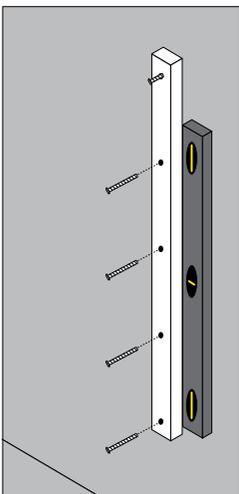
**NOTE:** The rails of the ROYAL SYSTEM® are very long and narrow and may be slightly curved when unpacked. When assembled/mounted, the rails shall be straight, when they are correctly mounted on the wall.



1. The middle rail is placed at the desired position.



2. The top screw shall not be tightened to begin with, so it can be adjusted later on during the mounting process.

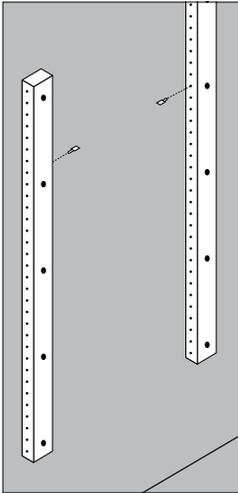


3. Using the spirit level, the rail is adjusted in the vertical position and fixed with the bottom screw. Now insert the other screws and tighten the first upper screw.

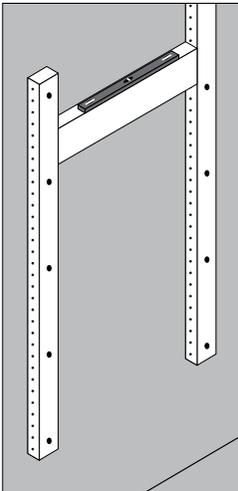
## ASSEMBLY/MOUNTING OF THE OTHER RAIL(S) (art. dk3-ROYAL-1+2)

The location of rail no. 2 is measured from the first rail using the distance piece and spirit level. Use the same procedure is for the remaining rails.

**NOTE :** The rails of the ROYAL SYSTEM® are very long and narrow and may be slightly curved when unpacked. When assembled/mounted, the rails shall be straight, when they are correctly mounted on the wall.



1. Place a shelf support on the inside of both the fixed rail and of the loose rail in the same hole number.

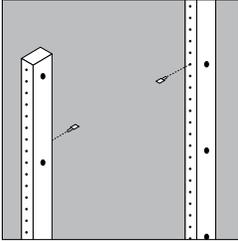


2. The distance piece and spirit level are placed on top of the 2 shelf supports and the two rails are pressed against each other.

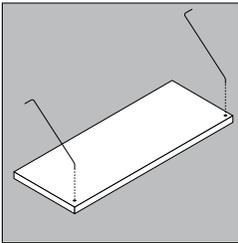
3. Repeat point 2-3 in the mounting of the first rail.

## THE MOUNTING OF SHELVES (art. dk3-ROYAL-4)

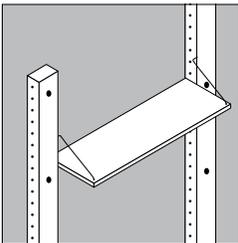
Shelf supports are to be placed with the flat side facing upwards and the round side facing downwards.



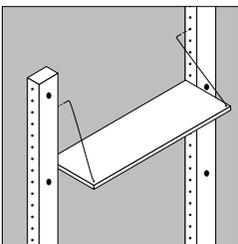
**1.** The rounded end of the shelf supports shall be fitted into the holes on the inside of the rails, where they are to be placed.



**2.** Both shelf brackets are first placed in the holes on the top side of the shelf (note that there is a difference between right and left shelf bracket).



**3.** The shelf with shelf brackets is placed gently between the rails, on top of the already placed shelf support.

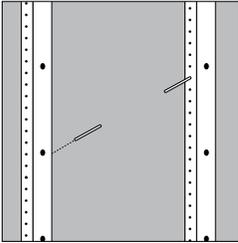


**4.** The shelf is supported by hand while the shelf brackets is being placed in the appropriate holes on the inside of the rail.

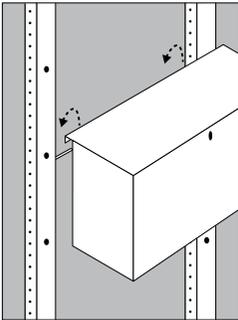
**5.** Make sure that the shelf is supported with the flat side of the shelf supports facing upwards. The shelf support then locks the shelf, so it cannot fall out.

**MOUNTING CABINETS (art. dk3-ROYAL-6+7+8)**

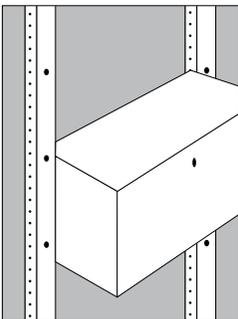
For this purpose the round steel pins shall be used.



**1.** Position the steel pins are being placed at the desired location on the inside of the rails. For safe installation it is important, that the steel pins are pushed at least 25mm/1" into the hole.



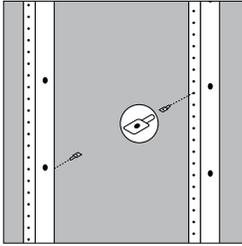
**2.** The cabinet is gently hung on to the steel pins.



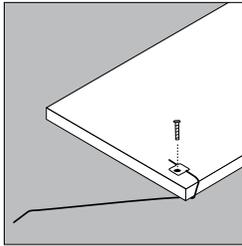
**3.** Check that the cabinets hang securely on both sides / on both rails.

## MOUNTING A DESKTOP SHELF (art. dk3-ROYAL-12)

For this purpose the special shelf supports (for screws) with a flat side and a round side.

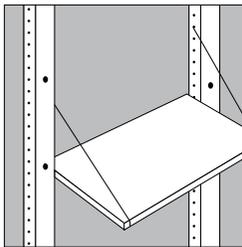


**1.** The round side of the shelf support shall be fitted into the holes on the inside of the rails at the desired location.

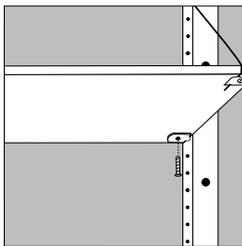


**2.** The shelf brackets are placed in the holes underneath the desktop shelf (note that there is a difference between the right and the left shelf bracket)

**3.** The securing brackets are fitted with the supplied screws. Place securing brackets with the screw on the side nearest to the edge and make sure the shelf brackets is totally fixed.



**4.** The desktop shelf with shelf supports is gently placed between the rails, on top of the already placed shelf supports. The shelf is supported by hand while the shelf brackets are placed in the appropriate holes on the inside of the rail.



**5.** Make sure that the shelf-supports support the shelf with the flat side facing upward. The security screws are mounted from underneath the desktop shelf through the shelf support and into the desktop shelf in order to fix the desktop shelf.

## IMPORTANT INFORMATION

Rails and drawers are made of solid wood – a natural material – which may have a rough surface or which can bend due to changing humidity. All other wooden parts on the ROYAL SYSTEM® are veneered. Shelves will flex very slightly over time but will still retain their structural integrity. We recommend a weight limit of 35 pounds/15 kg. per shelf to maintain a straight profile.

Wooden furniture should not be placed near radiators or other heat sources, since this results in drying of the wood. This can cause cracking. Do not place hot or humid objects directly on the furniture, as this may cause stains or other damages. In general, keep wooden furniture away from direct sunlight as this causes color changes – some wood darkens, others fade. Color changes may occur on the furniture as a result of objects which are permanently placed at the same spot on the furniture.

## MAINTENANCE FOR OILED SURFACES

For everyday care, use a cloth lightly moistened with clean water. Do not use detergents, as this removes the oil from the surface. All wood components should be oiled when needed. The surface of solid wooden parts, if there are scratches and it feels necessary, can be sanded with very fine sandpaper (grit 280–320) before the oil processing. Apply the oil with a clean cloth and allow the oil to penetrate the surface for about 15 minutes. Then wipe the furniture off so that the surface is clean and dry. Then leave to dry for 12 hours before use. Sanding and finishing with oil must always take place in the direction of the grain!

## WARNING – RISK OF SPONTANEOUS COMBUSTION!

Cloths used for oil-treatment must be carefully wrapped airtight, for example in tin foil or in a plastic bag or “drowned” in water before discharge.

## MAINTENANCE FOR SOAP SURFACES

For everyday care, use a cloth lightly moistened with clean water. Frequent surface treatment is recommended (will increase the surface resistance). It is important that the furniture parts are treated both on top and underneath in order to avoid warping. Use soap water made of soap flakes. Mix 1/2 deciliter/1 cup of soap flakes with 1 liter/1 quart of boiling water and wait until the mixture is lukewarm. Apply with a cloth. Wipe off excess soap with a cloth and then let the furniture dry.

## GENERAL INFORMATION:

- Never pour oil or soap and water directly onto the furniture surface. Always by means of a cloth!
- Always treat both sides and always the entire surfaces in the direction of the grain.
- Do not use detergents
- Pay attention to the instructions and warnings of the core product.

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