



# Hahn KT-RKN / KT-RKV



When developing the four new versions of the Rollenband hinges for PVC doors, the design engineers at Dr. Hahn paid particular attention to the fact that the appearance of the hinge rollers is filigree and that the hinge design allows for the door weights normally used in case of PVC profiles.

#### **Different fastening options**

The two series, which are marketed under the name Hahn KT-RKN and Hahn KT-RKV, are each available in 2-piece and 3-piece versions. They differ as a result of the fastening positions. For instance, the KT-RKN is mounted with screws in the upstand, thus ensuring that the door seal is not compromised. The KT-RKV is fastened in the rebate as is common for most butt hinges.

#### **Efficient processing in the workshop and at the building site**

Depending on the design of the profile sections, the 3-piece hinges are able to support doors weighing up to 120 kg, while the 2-piece version is able to bear up to 90 kg. These two series are fastened with the aid of self-drilling screws in the reinforcement of the frame profile with long pins to distribute the forces, acting on the hinge. In addition, Dr. Hahn also offers the option of pre-drilling into the prechamber alone – in other words only in the plastic – and supporting door leaves weighing up to max. 80 kg by using shorter pins and self-drilling screws.

Small hinge rollers for doors made of PVC profiles



The mounting and removing of the door leaf is particularly easy and convenient with the 3-piece hinges. The upper hinge part can be easily mounted and removed in any position without having to loosen the fastening screws. Consequently, the door is mounted as with the 2-piece version and only then connected again with the upper hinge part.

An important advantage for installation personnel on the building site. In case of a low door lintel the door leaf can be removed in the same way.

### Suitable for all major profile systems

To attain the greatest possible positive fit with the profile systems, the KT-RKN with the door hinge parts is available for a right-angled connection (0°) and for a slightly slanted connection (5°). The result is a versatile kit that allows door installers to select the butt hinge that is suitable of their requirements. Both hinge series can be used for upstand situations of 16.5 mm to 26 mm. A universally usable drilling jig makes work easier for door makers in the workshop.

### Adjustable in 3 dimensions

Both series can be adjusted in six directions with the door leaf installed:

- The door leaf can be adjusted vertically  $\pm 3$  mm
- Horizontal adjustment of  $\pm 3$  mm is also possible
- Sealing pressure  $\pm 1$  mm

The hinges can be used on either (left and right) side of the door. The maximum opening angle is 180°.

### Fulfils exacting design requirements

Even after variable adjustment in the maximum possible limits, the hinge's contour remains preserved. And there are no adjustment gaps or even any lateral misalignment. The curl has an outer diameter of only 18 mm. The 2-piece hinges have a height of 144 mm, while the 3-piece hinges are with their elegant proportions 189 mm. The hinges are available in all RAL colours. Depending on individual taste in colours, the hinges may be ordered with black or white PVC parts.

### Permanently weather-resistant

For installation in regions with demanding climatic conditions, Dr. Hahn only uses very weather-resistant materials, which have proven to be very durable in coastal regions as well.

### CE testing in preparation

According to Dr. Hahn, CE classification in compliance with EN 1935 is currently in the works.

Both hinges are delivered for the most part pre-assembled in individual cartons or in industrial-size cases with 24 units. Start of delivery is slated for May 2020.

Orders are accepted as of April 2020.

### AREAS OF USE

Doors made of PVC sections, suited for both residential and commercial structures

- Main entrance doors
- Side entrance doors
- Entrance doors for flats
- Functional doors, e.g., emergency exit doors

### SYSTEMS/APPLICATION

- **Material:**  
Constructed of extruded aluminium
- **Fastening method:**  
Directly mounted in frame and door
- **Versions:** Upstand dimension 16.5–26.0 mm
- **Load capacity:**  
Depending on profile section design  
– 3-piece supports max. 120 kg  
– 2-piece with long pins supports max. 90 kg  
– 2-piece with short pins supports max. 80 kg
- **Adjustability:**  
Door leaf adjustable in six directions  
– Horizontal adjustment variable  $\pm 3$  mm  
– Height adjustment, variable up to  $\pm 3$  mm  
– Adjustment of sealing pressure  $\pm 1$  mm
- **Colours:** Hinges available in RAL colours

## Small hinge rollers for doors made of PVC profiles

 **Dr. Hahn**<sup>®</sup>  
HINGES. MADE IN GERMANY.

### Dr. Hahn GmbH & Co. KG

Trompeterallee 162–170 · D-41189 Mönchengladbach  
Postfach 400109 · D-41181 Mönchengladbach

Phone +49(0)2166/954-3 · Fax +49(0)2166/954-444  
Internet: [www.dr-hahn.eu](http://www.dr-hahn.eu) · E-Mail: [sales@dr-hahn.com](mailto:sales@dr-hahn.com)

