

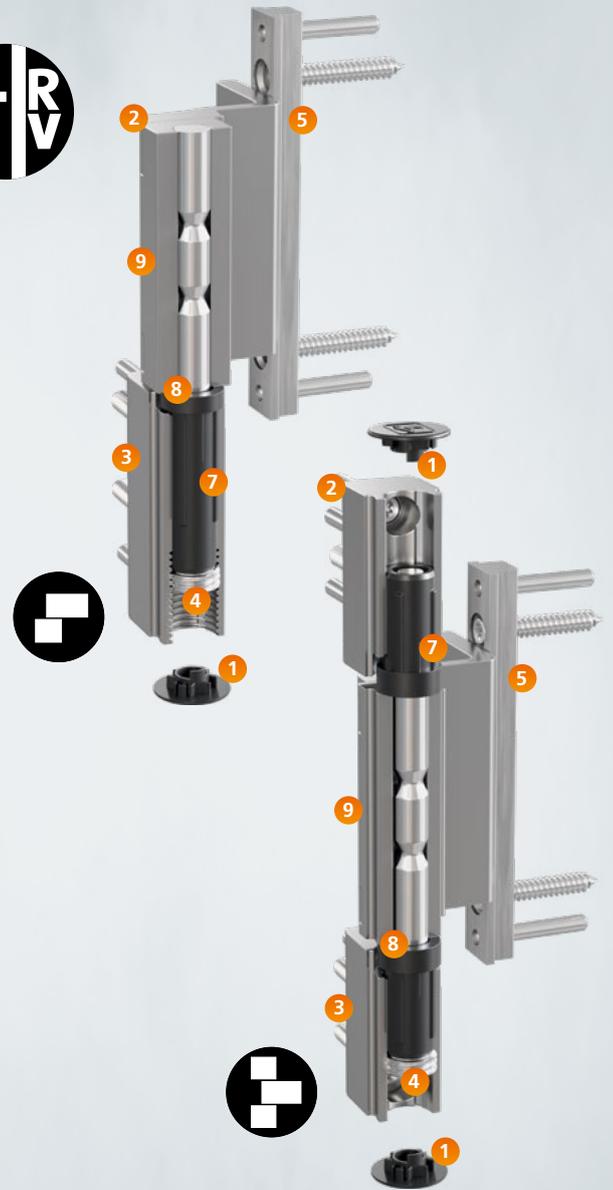
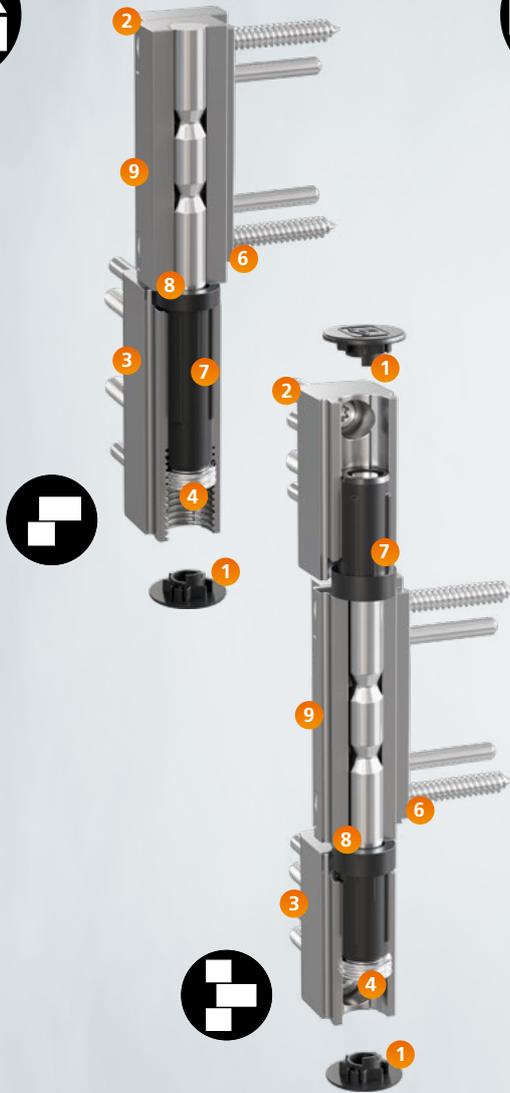


Hahn KT-RN / KT-RV



Large butt hinge for PVC doors





	Service classes	Durability	Weight of test door	Fire resistance	Security	Corrosion resistance	Intrusion protection	Hinge class
	4	7	7	0	1	0/4 (5*)	1	14
	4	7	7	0	1	0/4 (5*)	1	14
	4	7	7	0	1	0/4 (5*)	1	14
	3	7	4	0	1	0/4 (5*)	1	11



Suited for installation on doors placed along emergency escape routes. *Corrosion class 5 according to DIN EN 1670:2007
 Class 0 = uncoated / non-anodised door hinges, Class 4 = High corrosion resistance
 Class 5 = Very high corrosion resistance

CE For explanations of the table, visit www.dr-hahn.com



Hahn
KT-RN
KT-RV

Large
butt hinge for
PVC doors

- 1 **Snug fit of PVC caps**
for long-lasting attractive look
- 2 **Slender hinge barrels**
Diameter of 22 mm, looks
both robust and elegant
at the same time
- 3 **High-quality surfaces**
in silver anodized (EV1), all RAL
colours and new in Hahn Trinox
- 4 **Continuous adjustment of door
while mounted on hinges**
Vertical adjustment
– 2-piece +3 mm/–1 mm
– 3-piece +3 mm/–3 mm
without any gap forming
- 5 **System-adapted fastening plates**
for ensuring great form fit
and secure seat
- 6 **Screws in upstand**
maintain the high tightness
of the element
- 7 **Integrated horizontal
adjustment**
±3 mm inherently stable
and continuously
- 8 **Adjustment of sealing
compression in two directions**
– 2-piece ±0.5 mm
– 3-piece ±0.4 mm
- 9 **Made from extruded aluminium**
withstands high pressure
and tensile forces in everyday use

Other advantages

- All versions can be used either
on left-hand or right-hand doors
- Every hinge variation is suited for
in-swing and out-swing doors
- 3D adjustability in six directions
– without having to loosen any
fastening screws
- CE-certified up to hinge class 14
for high loads
- Suited for use on burglary
resistant doors – SKG-certified
with 2 stars.
- Different hinge designs
depending on work preferences
- Universal drilling jigs available
for quick and easy installation
- Upstand ranges from 16.5 mm
with one hinge design
- The maximum opening angle
is 180°

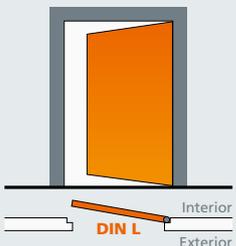
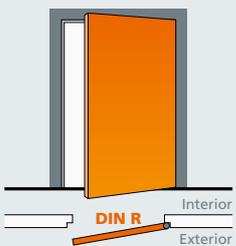
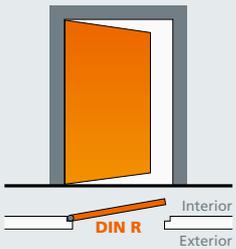
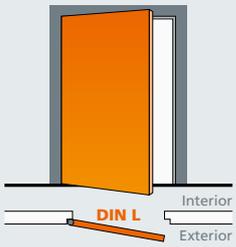
Areas of application

Doors made of U-PVC, suited for
both residential and commercial
buildings

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



Discreet hinge barrels with high-quality surfaces



Four butt hinges versions complete Dr. Hahn's existing KT system for U-PVC profiles. Both Hahn KT-RV and Hahn KT-RN hinge series are available as 2- and 3-piece versions for common PVC profile systems. In particular, the design with a subtle hinge barrel having a diameter of only 22 mm looks both robust and elegant at the same time. This impression is additionally supported by the extended colour range in silver anodized (EV1) and the new Hahn Trinox finish.

Dr. Hahn only uses materials with extremely high weather-resistance, which have proven to be very durable even in regions with demanding climatic conditions such as in coastal regions (Corrosion class 5 according to DIN EN 1670:2007). The new Rollenband is typically used in high-quality private homes, but can also be applied in commercial buildings.



The Hahn KT-Rollenband can be used both on left-hand and right-hand doors and for in-swing and out-swing solutions.

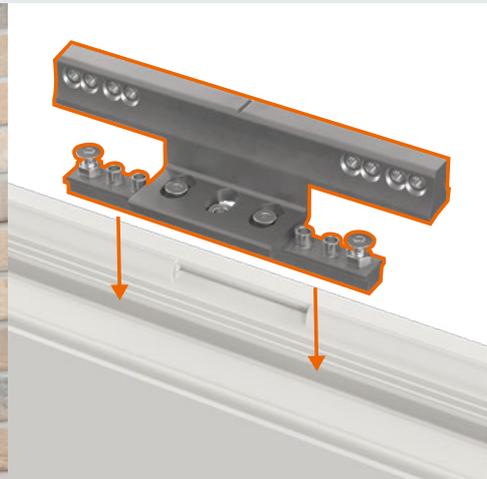
Hahn KT-RV – Slim, stable and 3D adjustable

The new Hahn KT-RV that replaces the previous Hahn KT-R, which on the sash side was also mounted to the hardware groove, represents the greatest leap in design. Besides a more modern contour, the new hinge variation can now be adjusted in six directions without any misalignment. A door mounted with 2-piece hinges can be adjusted vertically by +3 mm/–1 mm without having to remove or lift the sash, while doors with 3-piece hinges are adjustable vertically by ± 3 mm.

The range of horizontal adjustment is ± 3 mm. Thus, a door can be adjusted continuously, as needed. The sealing compression can also be adjusted by ± 0.5 mm (± 0.4 mm for 3-piece hinges) by turning the bearing bushing. Even when adjusted to the max, there is no gap between hinge parts. Although the hinges are pre-assembled and set to zero in the factory, each door can be adjusted to the optimum position on site.



New drilling jig



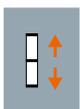
Prepared for many profile variations

The installation is still a quick process carried out using system-adapted fastening plates. The hinges are suited to handle standard Euro groove widths of 16 mm, 20 mm and 24 mm and a wide variety of system-related adapter plates.

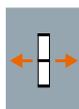
A new drilling jig was developed for manual hinge installation, which can be used for the precise drilling of holes on frame and sash.

For quick and convenient processing, door installers can obtain a suitable, universally usable drilling jig from their authorised dealer.

Adjustment instructions (2-piece)



+ 3 mm / - 1 mm



± 3 mm



± 0.5 mm

Hahn KT-RN – sealed tightly all round

Manufacturers of doors made of PVC profile sections are familiar with hinges where the sash part is attached to the upstand area and therefore avoiding any kind of interruption of the gasket. The 3-piece variation of the new Hahn KT-RN now lends the door even better performance. **Depending on the profile system, the load-bearing capacity is 160 kg.** The series is supplemented by a 2-piece hinge series, which has a load-bearing capacity of 120 kg and is also mounted with screws in the upstand. Connections to right-angled contours and those with an inclined supporting surface of approx. 5° are also part of the product range.

The door can be adjusted in 6 directions:

Vertically by ± 3 mm (with 2-piece hinges – 1 mm), horizontally by ± 3 mm continuously variable on the mounted door and the sealing compression offers a range of ± 0.5 mm (3-piece ± 0.4 mm) by turning the bearing bushing. Neither adjustment movement results in gaps or misalignment of the hinge barrels. Standard products are suited for upstands ranging from 16.5 mm.



Even for use in a mandated area

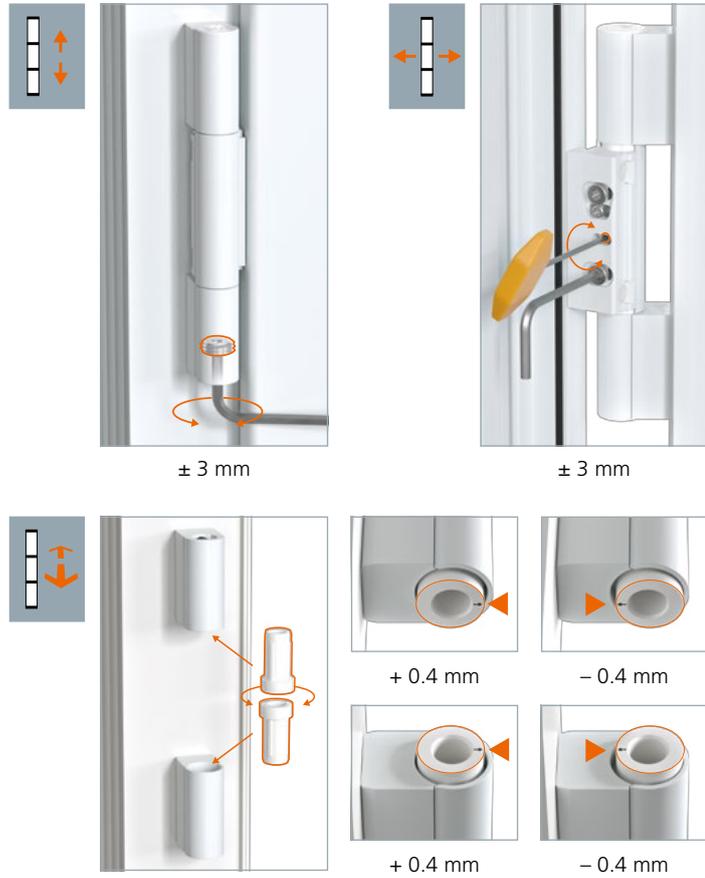
All hinge versions have been developed for doors used in single or multiple family homes and can also be applied in commercial buildings with high frequency of usage or in the mandated area, like escape routes.

In the tests for obtaining the CE certificate according to EN 1935:2002, all 2-piece hinges and 3-piece Hahn KT-RN achieved the hinge class 14 and are thus designed for doors with very high loads. All hinges have also proven themselves in tests to ensure protection against burglary (SKG**).

All versions of Dr. Hahn's KT-RV/KT-RN series are suitable for use on burglary resistant doors (RC2).



Adjustment instructions (3-piece)



Service package for authorised dealers and door installers

The hinges, which are made of extruded aluminium, are delivered both in single unit packages as well as in boxes with 24 units for large-scale users.

Dr. Hahn offers retailers extensive product data for retrieval so that they can promptly fill their merchandise management and PIM systems.

Installers can obtain installation drawings and information on how to create BIM data.

In addition to that, illustrations and adjustment instructions are available for facilitating the marketing of the KT-RV/KT-RN series, for example in showrooms of authorised dealers.

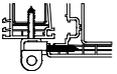
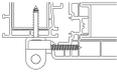
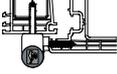
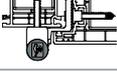


Variations and accessories

Packaging unit: 1 hinge/24 hinges per box

- 1 = EV 1 – Black PVC parts
- G = RAL 9016 – White PVC parts
- 6 = RAL 9016 – Black PVC parts
- 9 = Custom colour

When selecting "9", please indicate the special colour. Example: Silver-metallic 003 black PVC parts.

 Door connection 0°		1 hinge per box K721 0000	24 hinges per box K721 V000	Drilling jig No. T319A0001	
	Door connection 5°		Part No. Available on request	Part No. Available on request	
 Door connection 0°		K771 0000	K771 V000	Drilling jig No. T319A0000	
	Door connection 5°		Part No. Available on request	Part No. Available on request	
 16/3.0 mm hinge groove		K731 0000	K731 V000	Drilling jig No. T320A0001 16/3.0 mm, 16/3.5 mm hinge groove	
	20/3.5 mm hinge groove	K731 0001	K731 V001		
	16/3.5 mm hinge groove	K731 0002	K731 V002	Drilling jig No. T321A0031 24/4.0 mm hinge groove	
	24/4.0 mm hinge groove	K733 0003	K733 V003		
 16/3.0 mm hinge groove		K781 0000	K781 V000	Drilling jig No. T320A0000 16/3.0 mm, 16/3.5 mm hinge groove	
	20/3.5 mm hinge groove	K781 0001	K781 V001		
	16/3.5 mm hinge groove	K781 0002	K781 V002	Drilling jig No. T321A0031 24/4.0 mm hinge groove	
	24/4.0 mm hinge groove	K783 0003	K783 V003		
 Drilling jig for security kit No. T300B0090	 Drilling jig with slip-type jig bush for security kit No. T311A0050	Accessories for KT-RV No. T321A0001			
 Slip-type jig bush Ø 5 mm, Ø 15 mm No. A650A0040	 KT counter-sunk head screw 6.3x80 for frames No. K500E0007	Replacement drilling jig for No. T311A0001 No. T311A0002 No. T311A0003			
				Security kit for KT-RV No. K750A0001	

Posp. KT-RN / KT-RV/GB/D-PRO00230/01,24/Subject to technical changes.

