



Hahn KT-RN

Butt hinge for energy-optimised PVC doors



**SEALED TIGHTLY
ALL AROUND**





CE

| | | | | | | | |
|---|---|---|---|---|---|---|----|
| | | | | | | | |
| 4 | 7 | 7 | 0 | 1 | 4 | 1 | 14 |



Hahn KT-RN

New butt hinge for PVC doors

Hinge bodies of extruded aluminium – well-suited to withstand pressure and tensile forces

Slim design – diameter of only 22 mm

No break in the seal – thus ideally suited for energy-optimised system profile sections

Bushings made of special PVC – suited for long-term, maintenance-free use

Continuously variable horizontal adjustment ± 3 mm – convenient with door leaf installed

Available in all RAL colours – perfect for ensuring the colour harmony of the entrance area

Directly mounted in frame and door – for quick installation from the front

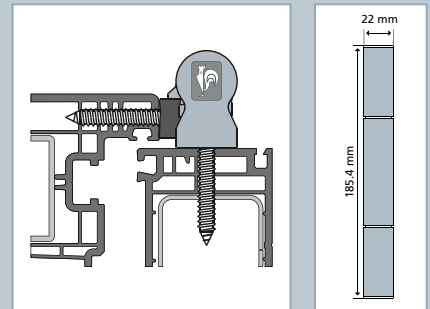
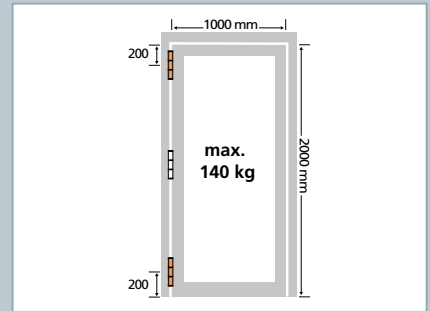
Adjustment of sealing pressure ± 0.4 mm – by turning the bearing bushing

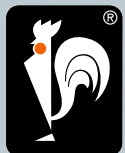
Covers conceal the adjustment gap – ensuring an optimum look even with extreme adjustment

Variable height adjustment ± 3 mm – of a mounted door by one person only

Other advantages

- Door leaf adjustable in six directions
- CE-certified with hinge class 14 for very high loads
- Supports 140 kg, depending on profile section design
- No misalignment even after adjustment
- Can be used on either (left or right) side of a door
- Easy to install
- SKG-certified – suitable for intrusion-resistant doors





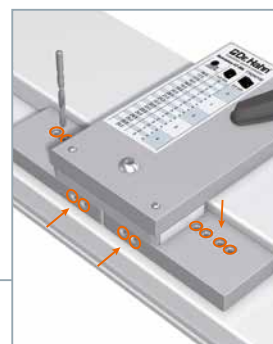
Energy-optimised

Low-energy and high thermal insulation values are buzzwords that currently accompany manufacturers of doors made of PVC profile sections through every stage of production. Energy-optimised system profiles with multiple sealing levels make a significant contribution to ensuring that the cold stays out and the heat stays in. The new three-piece Hahn KT-RN is based on this advancement which always leaves the seal unscathed without adversely affecting the desired look of a narrow butt hinge.

With a hinge diameter of only 22 mm, it is one of the slimmest versions available on the market.

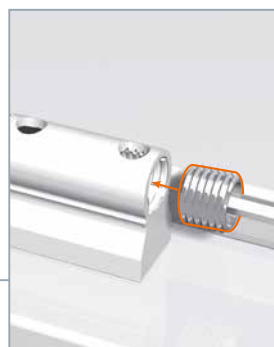
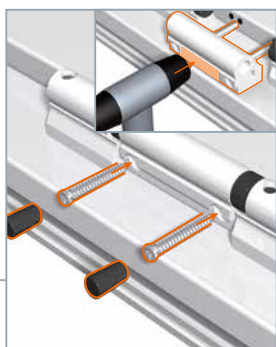
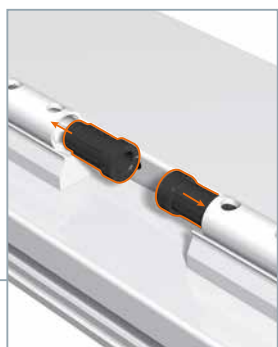


Installation instructions



Colourful unit of hinge and section

The range of colours offered by Dr. Hahn is as diverse of the colours offered for PVC sections. The Hahn KT-RN is available in all RAL colours and various versions of liquid coatings.



Sturdy and suited for all common profile sections

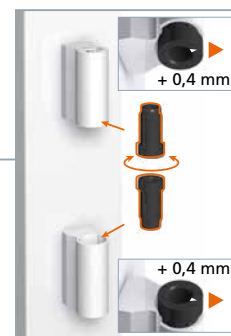
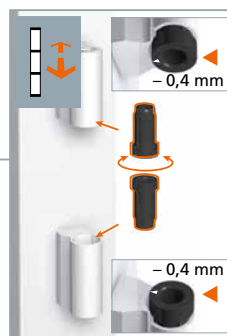
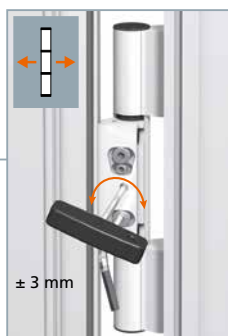


In spite of its slim design, the KT-RN bears up to 140 kg depending on the door/frame situation. Depending on the geometry of the profile, KT-RN accommodates many common profile sections with a rectangular upstand of 16.5 to 26.0 mm. In the same upstand range, another hinge variation with a specially developed door hinge contour allows for the use with frame combinations with an angled upstand between 4° and 6°.

The new design hinge is ideal for front doors and entry doors especially in homes. Thanks to its proven performance it is also suited for use in mandated areas and consequently in commercial structures. Accredited European testing institutes have approved the Hahn KT-RN for anti-burglar doors.



Adjustment instructions



Individual parts



- | | |
|--------------------------|---------------------------------|
| 1 Frame hinge part | 8 Plug |
| 2 Door hinge blade | 9 Counter-sunk screw |
| 3 Cover frame hinge part | 10 Pan head screw M6x10 |
| 4 Cover door hinge blade | 11 Lifting and lowering spindle |
| 5 Bearing pin | 12 Eccentric tappet |
| 6 Bearing bushing | 13 Set screw M6x14 |
| 7 Cap hinge blade | |

For item numbers, see overleaf

Easy to adjust in six directions

The fact that is especially convenient for door makers is that installed doors can be adjusted horizontally ± 3 mm. In this case, the contour of the butt hinge is retained without any misalignment. The height can also be adjusted variably by ± 3 mm with door leaf installed without resulting in a visible gap. The sealing pressure can be adjusted by turning the bearing bushings.



Drilling jig included

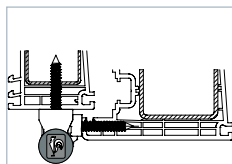
To ensure easy and correct installation, Dr. Hahn offers a specific drilling jig which can be used to prepare both the frame and door in a single step.



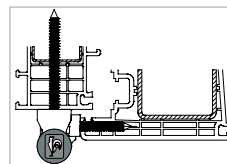
Hahn KT-RN

Item numbers

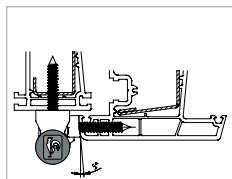
KT-RN – Right-angled upstand
Door connection 0°
Item No.: K762_0000



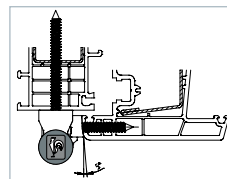
KT-RN – Right-angled upstand
Door connection 0°
Item No.: K762_0002



KT-RN – Angled upstand
Door connection 4° – 6°
Item No.: K762_0005



KT-RN – Angled upstand
Door connection 4° – 6°
Item No.: K762_0006



KT-RN – SKG version

Item no. on request

Individual parts

| Item | Item numbers |
|---|--|
| 1 Frame hinge part for Item No. K762_0000 and K762_0005 Frame hinge part for Item No. K762_0002 and K762_0006 | K700B0100 K700B0111 |
| 2 Door hinge blade 0° Door hinge blade 4° – 6° | K700B0101 K700B0102 |
| 3 Cover frame hinge part | K700F0104 |
| 4 Cover door hinge blade | K700F0105 |
| 5 Bearing pin | K700E0100 |
| 6 Bearing bushing | K700K0100 (black) K700K0103 (white) |
| 7 Cap hinge blade | K700K0102 (black) K700K0105 (white) |
| 8 Plug | K700K0101 (black) K700K0104 (white) |
| 9 Counter-sunk screw 6.3x40 Counter-sunk screw 6.3x70 | R200E0003 R200E0002 |
| 10 Pan head screw M6x10 | DIN7984-M6x10 |
| 11 Lifting and lowering spindle | A100G0003 |
| 12 Eccentric tappet | K700E0101 |
| 13 Set screw M6x14 | K700E0102 |
| Drilling jig | T313A0000 |
| SKG kit (consisting of SKG securing block and bearing bolt with sawing protection SKG version), for doors opening outward | K760A0000 |

Accessories