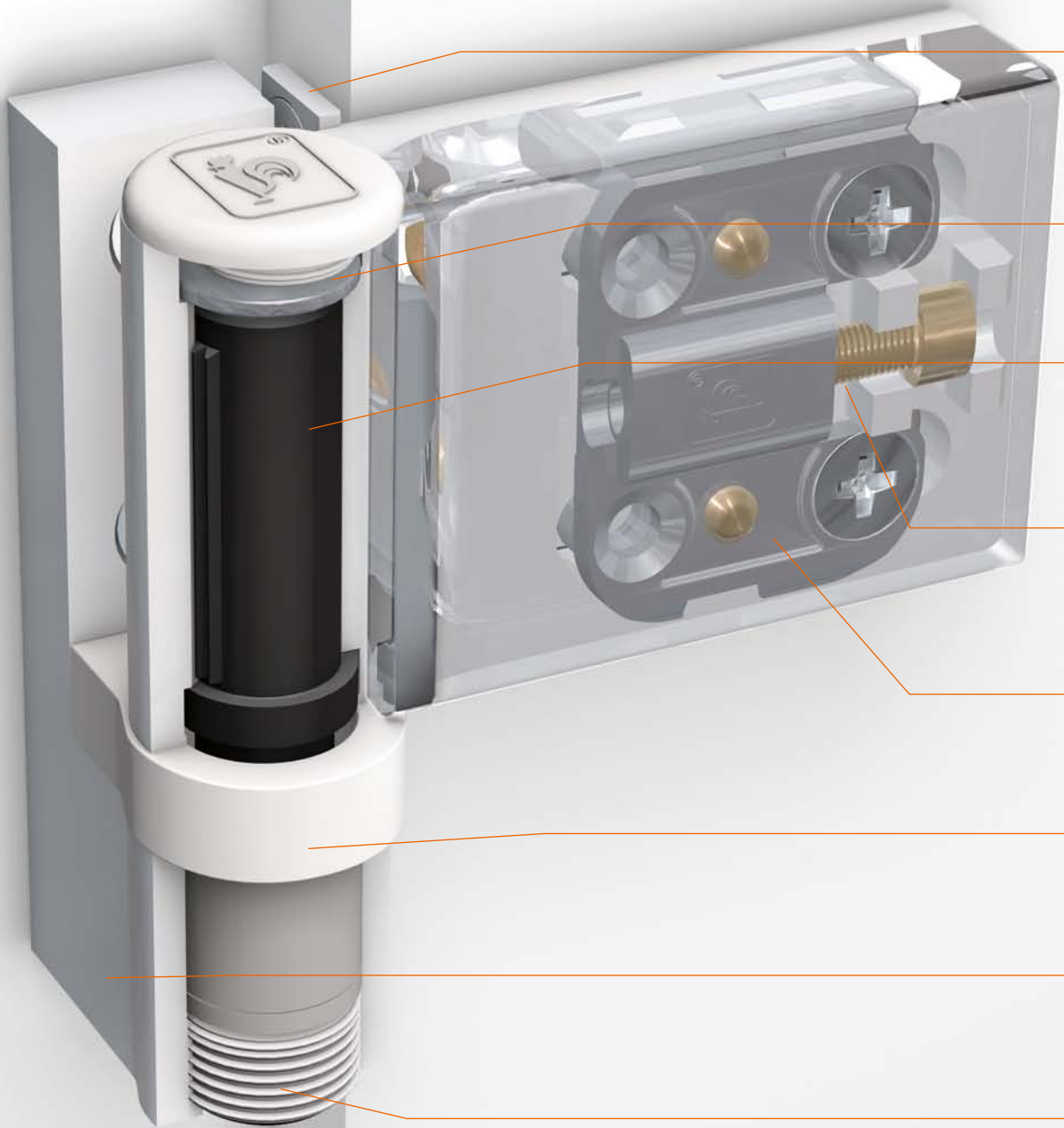














Hahn KT-SV / KT-SN

Universal hinge for front and side entry doors





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

| |  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|--|---|
| | Service classes | Durability | Weight of test door | Fire resistance | Security | Corrosion resistance | Intrusion protection | Hinge class |
|  | 4 | 7 | 5 | 0 | 1 | 4 | 1 | 12 |
|  | 4 | 7 | 5 | 0 | 1 | 4 | 1 | 12 |





Hahn KT-SV / KT-SN

Universal hinge for front and side entry doors

KT-SN with upstand fastening for additional stability

Convenient, **variable adjustment** ± 2.5 mm without having to lift or remove the door

Rust-proof, wear-resistant bearing pin

Continuously variable horizontal adjustment ± 5 mm – for plumb-vertical alignment of door leaf

Efficient adjustment, all adjustments can be carried out by a single person

Lowering and lifting spindle secured for transport

High-quality finishes – available in all RAL colours

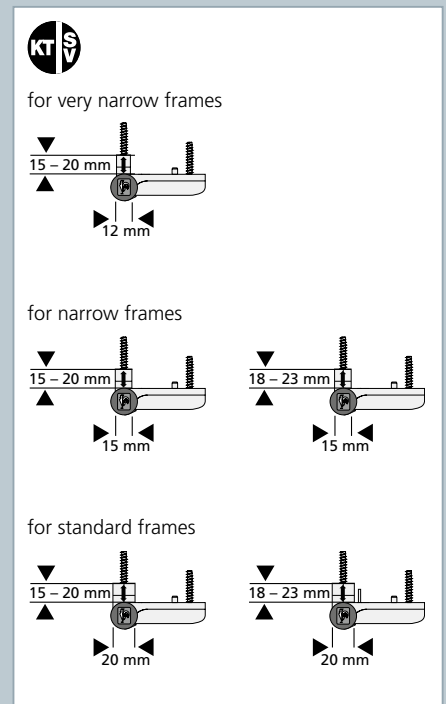
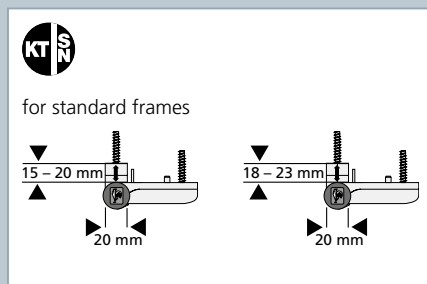
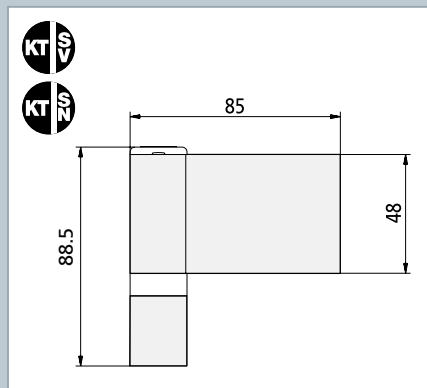
Simple, **variable height adjustment** $+ 3$ mm – on installed doors

Greater security thanks to **integrated anti-intruder system** without additional parts

NEW: Also available with self-tapping screws

Other advantages

- For all common upstand ranges from 15 to 23 mm
- All adjustments can be made while the door is closed
- CE-certified: hinge class 12
- Same appearance retained after adjustment
- Can be used on left or right-hand doors
- Bearing point maintenance-free
- Door hinges are largely pre-assembled





Preferred for front and side entry doors

Light-weight doors with slender projected widths are always a particular challenge for door manufacturers. Hahn hinges of the KT-SV and KT-SN series make sure that doors weighing up to 80 kg are not left in the lurch. The Hahn KT-SV is available in three hinge base widths: 12, 15 and 20 mm. Handling in the workshop is simple and adjustments can be made quickly at the installation site. Both hinge series can also be ordered as an alternative with self-tapping screws. Thus, the processing time is reduced significantly. And even though the hinge is frequently used for side entry doors, it still comes with a CE certificate for very high loads, even with the hinge class 12. The high-quality materials that are used, among other things, make sure of that.

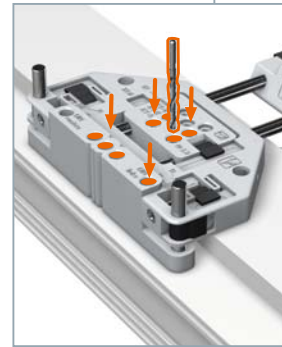




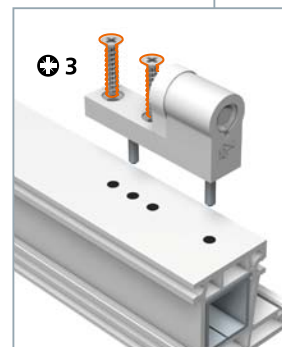
Impressive in design and functionality

Doors with narrow leaves on frames with a visible narrow width require a hinge that is both stable and delicate at the same time. The Hahn KT-SV/KT-SN meets these requirements in a special way. It is constructed of extruded aluminium, a material that is particularly good at withstanding the pressure and tensile forces that doors experience. Thanks to its round form, the hinge body has a subtle appearance when installed. The collar of the bearing bushing covers the adjustment gap such that the appearance does not change even in case of extreme misalignment. From more than 200 colours, building owners can select the design that is right for their project. In addition to that, the hinge never has to be lubricated. The bearing point is absolutely maintenance-free.

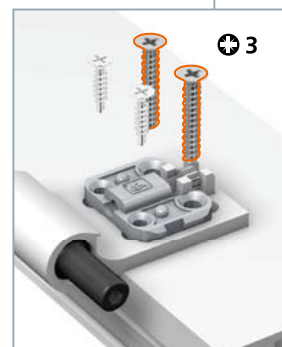
Installation instructions



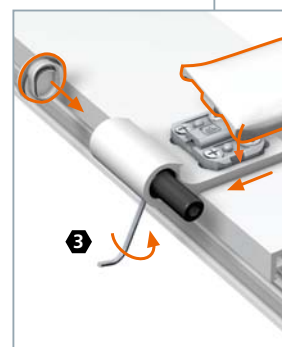
Drill frame. Note left or right-hand doors.



Screw-on hinge blade for frame.

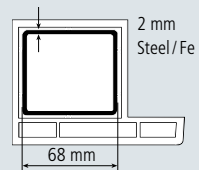
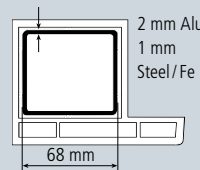
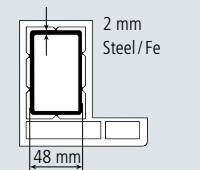
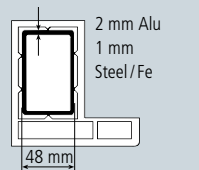
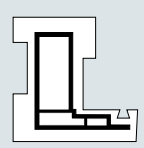


Screw-on hinge blade for door.



Insert hinge cover.
Snap cap in place.

Load capacity with various degrees of armouring (max. door weight)

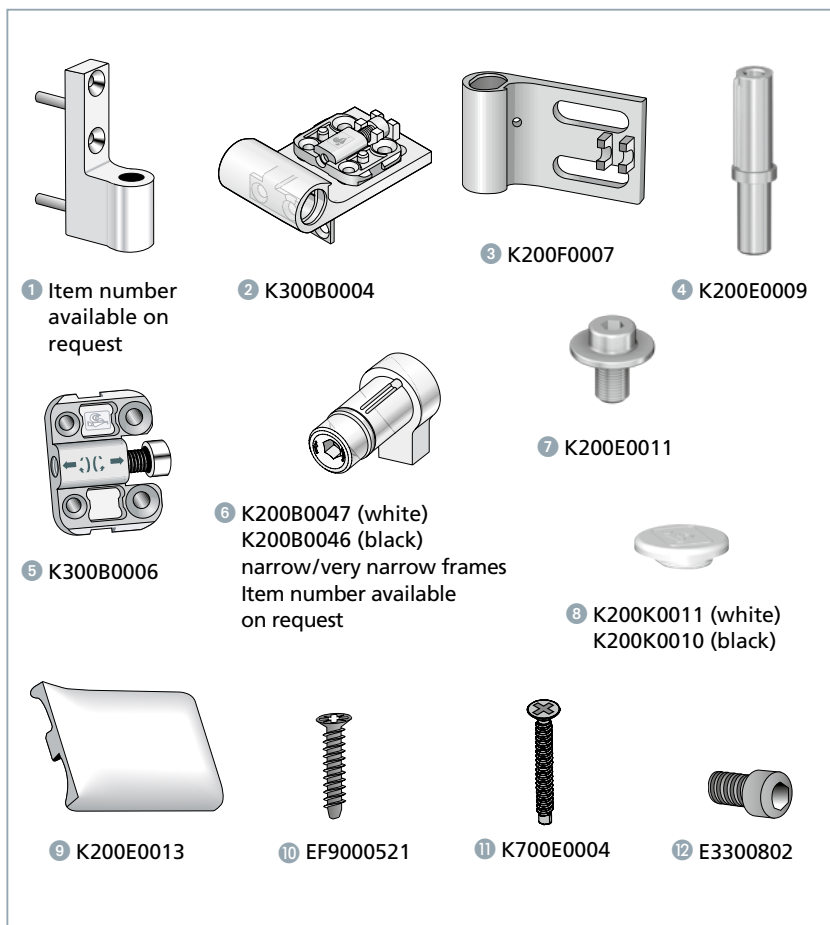
| Frame section |  |  |  |  |  |
|--------------------|---|---|--|---|---|
| KT-SV | | | | | |
| very narrow frames | 60 kg | 60 kg | 60 kg | 60 kg | 60 kg |
| narrow frames | 80 kg | 80 kg | 80 kg | 80 kg | 80 kg |
| standard frames | 80 kg | 80 kg | 80 kg | 80 kg | 80 kg |
| KT-SN | | | | | |
| standard frames | 100 kg | 80 kg | 100 kg | 80 kg | 80 kg |



The cited door weights pertain to doors that are 1000 x 2000 mm and which are exposed to normal stress when mounted on two hinges. This information is subject to proper installation of the door and general installation scenarios and therefore we accept no responsibility. If in doubt, please contact us. We would gladly advise you.

Accessories and individual parts

Adjustment instructions



- 1 Frame hinge blade
- 2 Door hinge blade KT-SN, adjustment unit pre-assembled with angle stop
- 3 Frame hinge blade KT-SV
- 4 Bearing pin
- 5 Adjustment unit KT-SV
- 6 Bearing bushing with lifting/lowering spindle

- 7 Special screw
- 8 Cap
- 9 Cover strip
- 10 Countersunk head tapping screw 6 x 40
- 11 Self-tapping screw
- 12 Locking screw for cover strip (small)

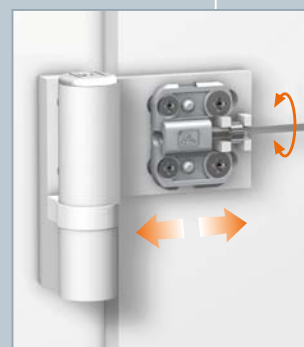
Accessories

Drilling jig with clamp
 Drilling jig without clamp
 Automatic rod drilling jig

No. T315A0001
 No. T315A0000
 No. T407A0000



Adjusting the sealing pressure
 $\pm 2,5$ mm



Variable horizontal
 adjustment ± 5 mm



Variable height adjustment
 + 3 mm

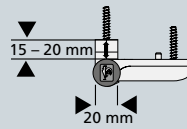
Hahn KT-SV / KT-SN

Item numbers



KT-SV for standard frame (20 mm hinge base)

Upstand range I 15–20 mm

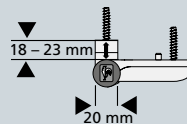


| | | |
|----------------|---------------|--------------------------|
| White RAL 9010 | No. K307EV001 | with self-tapping screws |
| White RAL 9016 | No. K307GV001 | |
| Brown RAL 8077 | No. K3075V001 | |

with self-tapping screws

| |
|---------------|
| No. K307EV045 |
| No. K307GV045 |
| No. K3075V045 |

Upstand range II 18–23 mm

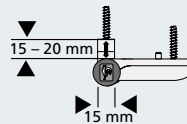


| | | |
|----------------|---------------|--------------------------|
| White RAL 9010 | No. K307EV010 | with self-tapping screws |
| White RAL 9016 | No. K307GV010 | |
| Brown RAL 8077 | No. K3075V010 | |

| |
|---------------|
| No. K307EV046 |
| No. K307GV046 |
| No. K3075V046 |

KT-SV for narrow frames (15 mm hinge base)

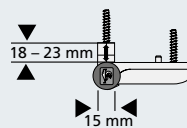
Upstand range I 15–20 mm



| | | |
|----------------|---------------|--------------------------|
| White RAL 9010 | No. K307EV013 | with self-tapping screws |
| White RAL 9016 | No. K307GV013 | |
| Brown RAL 8077 | No. K3075V013 | |

| |
|---------------|
| No. K307EV047 |
| No. K307GV047 |
| No. K3075V047 |

Upstand range II 18–23 mm

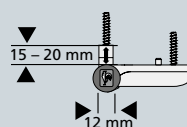


| | | |
|----------------|---------------|--------------------------|
| White RAL 9010 | No. K307EV030 | with self-tapping screws |
| White RAL 9016 | No. K307GV030 | |
| Brown RAL 8077 | No. K3075V030 | |

| |
|---------------|
| No. K307EV048 |
| No. K307GV048 |
| No. K3075V048 |

KT-SV for very narrow frames (12 mm hinge base)

Upstand range I 15–20 mm



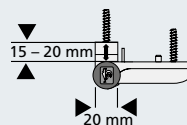
| | | |
|----------------|---------------|--------------------------|
| White RAL 9010 | No. K307EV002 | with self-tapping screws |
| White RAL 9016 | No. K307GV002 | |
| Brown RAL 8077 | No. K3075V002 | |

| |
|---------------|
| No. K307EV050 |
| No. K307GV050 |
| No. K3075V050 |



KT-SN for standard frames (20 mm hinge base)

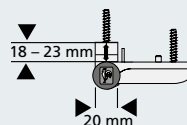
Upstand range I 15–20 mm



| | | |
|----------------|---------------|--------------------------|
| White RAL 9010 | No. K306EV001 | with self-tapping screws |
| White RAL 9016 | No. K306GV001 | |
| Brown RAL 8077 | No. K3065V001 | |

| |
|---------------|
| No. K306EV045 |
| No. K306GV045 |
| No. K3065V045 |

Upstand range II 18–23 mm



| | | |
|----------------|---------------|--------------------------|
| White RAL 9010 | No. K306EV010 | with self-tapping screws |
| White RAL 9016 | No. K306GV010 | |
| Brown RAL 8077 | No. K3065V010 | |

| |
|---------------|
| No. K306EV046 |
| No. K306GV046 |
| No. K3065V046 |