



# Hahn KT-SV / KT-SN

Universal hinge for front and side entry doors













**NEW! Now ADJUST-  
ABLE IN 6 DIRECTIONS**





CE

For explanations of  
the table, please visit  
[www.dr-hahn.com](http://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 (5*)	1	12
	4	7	5	0	1	4 (5*)	1	12

Suitable for use on emergency exit doors. \*Class 5 in accordance with EN 1670:2007





# Hahn KT-SV / KT-SN

Universal hinge for front and side entry doors

KT-SN with upstand fastening  
for additional stability

Convenient, variable sealing  
pressure adjustment  $\pm 2.5$  mm  
without having to lift or remove  
the door

Continuously variable horizontal  
adjustment  $\pm 5$  mm – for plumb-  
vertical alignment of door leaf

High stability through  
retroactively insertable pins

Rust-proof, wear-resistant  
bearing bolt

Lifting spindle secured  
for transport

High-quality finishes – available in  
all RAL colours

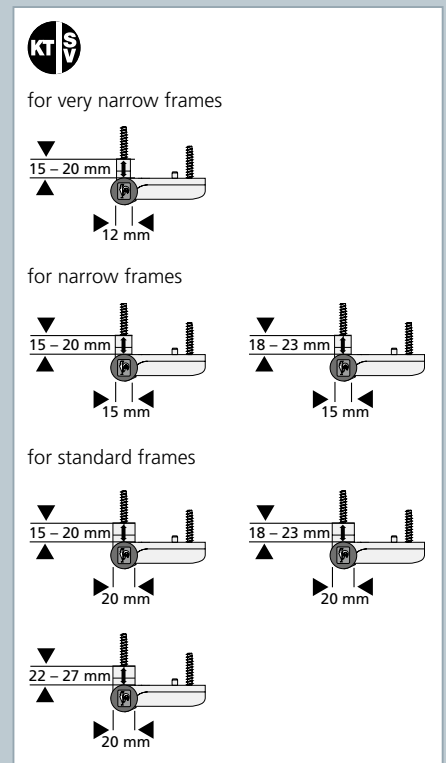
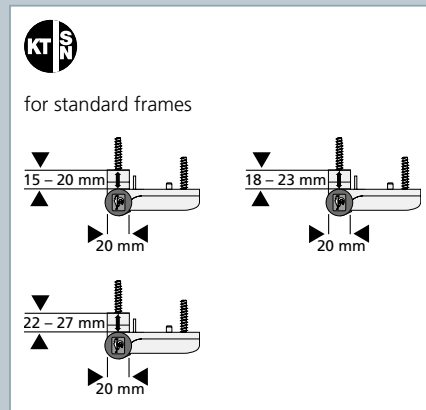
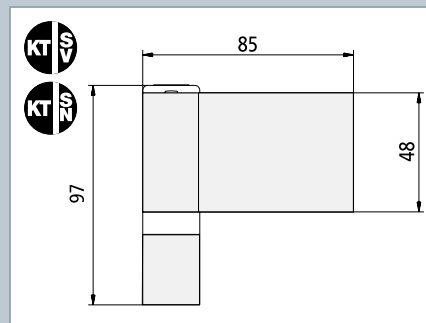
Simple, variable height adjust-  
ment  $+3/-2$  mm – on installed  
doors

Greater security thanks to integrat-  
ed anti-intruder system without  
additional parts

Also available with self-tapping  
screws

## Other advantages

- For all common upstand ranges from 15 to 27 mm
- All adjustments can be made by a single person when 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, even with hinge class 12 for very high loads. The high-quality materials that are used, among other things, make sure of that.

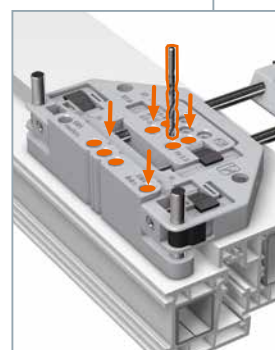




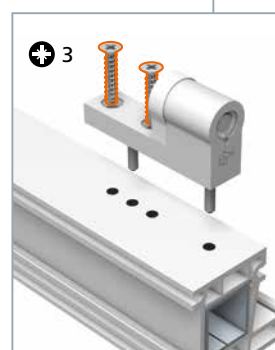
## Impressive in design and functionality

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.

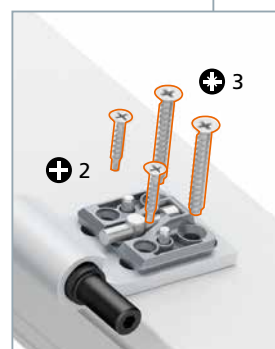
## Installation instructions



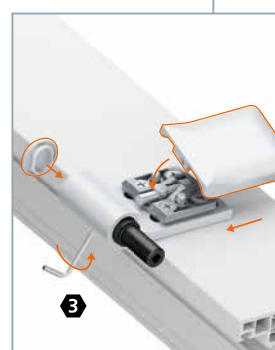
Drill frame. Note left or right-hand doors.



Screw on hinge part for frame.

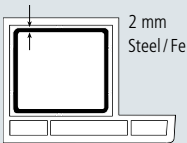
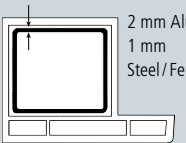
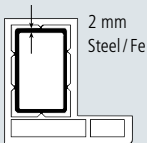
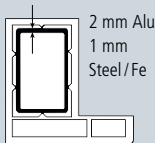
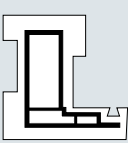


Screw on hinge part for door.



Insert hinge cover. Snap cap in place.

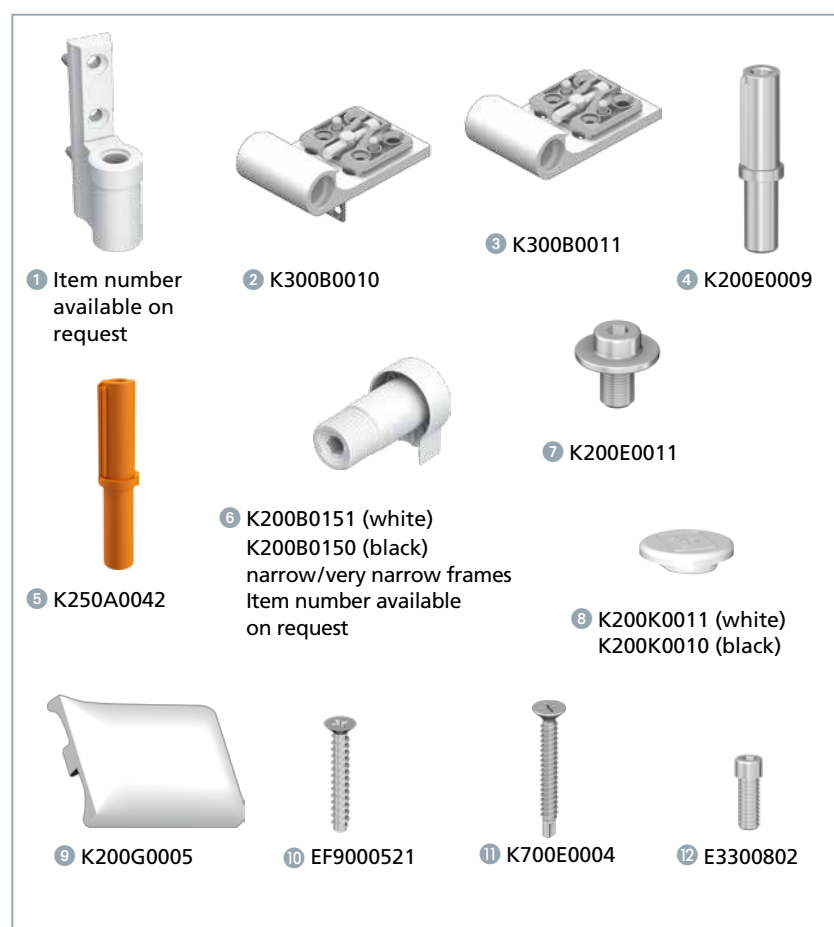
## Load capacity with various degrees of armouring (max. door weight)

Frame section	 2 mm Steel/Fe	 2 mm Alu 1 mm Steel/Fe	 2 mm Steel/Fe	 2 mm Alu 1 mm Steel/Fe	
<b>KT-SV</b>					
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
<b>KT-SN</b>					
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



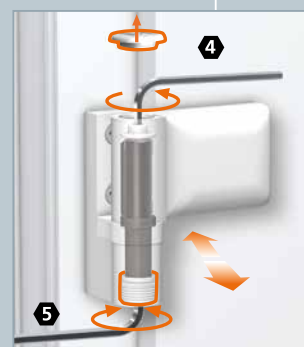
- 1 Frame hinge part
- 2 Door hinge part KT-SN, adjustment unit pre-assembled with angle stop, indicate RAL colour
- 3 Door hinge part KT-SV, adjustment unit pre-assembled, indicate RAL colour
- 4 Bearing bolt
- 5 Saw-resistant bearing bolt
- 6 Bearing bushing with lifting spindle
- 7 Special screw
- 8 Cap
- 9 Cover strip, indicate RAL colour
- 10 Countersunk head tapping screw 6 x 40
- 11 Self-tapping screw
- 12 Locking screw for cover strip (small)

### Accessories

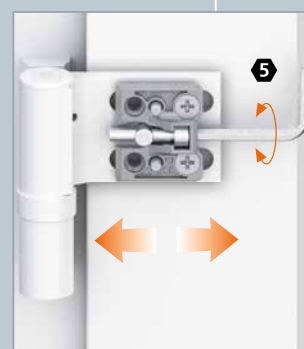
Drilling jig with clamp  
Drilling jig without clamp  
Automatic rod drilling jig

No. T315A0001  
No. T315A0000  
No. T407A0000

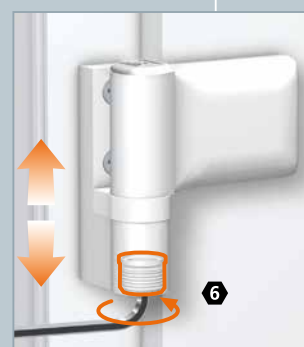
## Adjustment instructions



Adjust sealing pressure  
 $\pm 2,5$  mm



Variable horizontal  
adjustment  $\pm 5$  mm








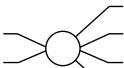





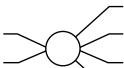





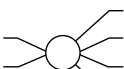
Variable height adjustment  
 $+3/-2$  mm

# Hahn KT-SV / KT-SN

## Item numbers



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

		PU 1 hinge per box	PU 24 hinges per box			
Upstand range I 15–20 mm		P307  0001 P307  0045	P307  V001 P307  V045		E RAL 9010 G RAL 9016 5 RAL 8077 9 Special colour*	
Upstand range II 18–23 mm		P307  0010 P307  0046	P307  V010 P307  V046		E RAL 9010 G RAL 9016 5 RAL 8077 9 Special colour*	
Upstand range III 22–27 mm		P307  0080 P307  0081	P307  V080 P307  V081		E RAL 9010 G RAL 9016 5 RAL 8077 9 Special colour*	



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

Upstand range I 15–20 mm		P307 0013 P307 0047	P307 V013 P307 V047		E RAL 9010 G RAL 9016 5 RAL 8077 9 Special colour*
Upstand range II 18–23 mm		P307 0030 P307 0048	P307 V030 P307 V048		E RAL 9010 G RAL 9016 5 RAL 8077 9 Special colour*



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

Upstand range I 15–20 mm		P307 0002 P307 0050	P307 V002 P307 V050		E RAL 9010 G RAL 9016 5 RAL 8077 9 Special colour*
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### KT-SN for standard frames (20 mm hinge base)

Upstand range I 15–20 mm		P306 0001 P306 0045	P306 V001 P306 V045		E RAL 9010 G RAL 9016 5 RAL 8077 9 Special colour*
Upstand range II 18–23 mm		P306 0010 P306 0046	P306 V010 P306 V046		E RAL 9010 G RAL 9016 5 RAL 8077 9 Special colour*
Upstand range III 22–27 mm		P306 0080 P306 0081	P306 V080 P306 V081		E RAL 9010 G RAL 9016 5 RAL 8077 9 Special colour*



Direct installation with screws



Self-tapping screws

\*Please indicate special colour