



Hahn KT-EV / KT-EN

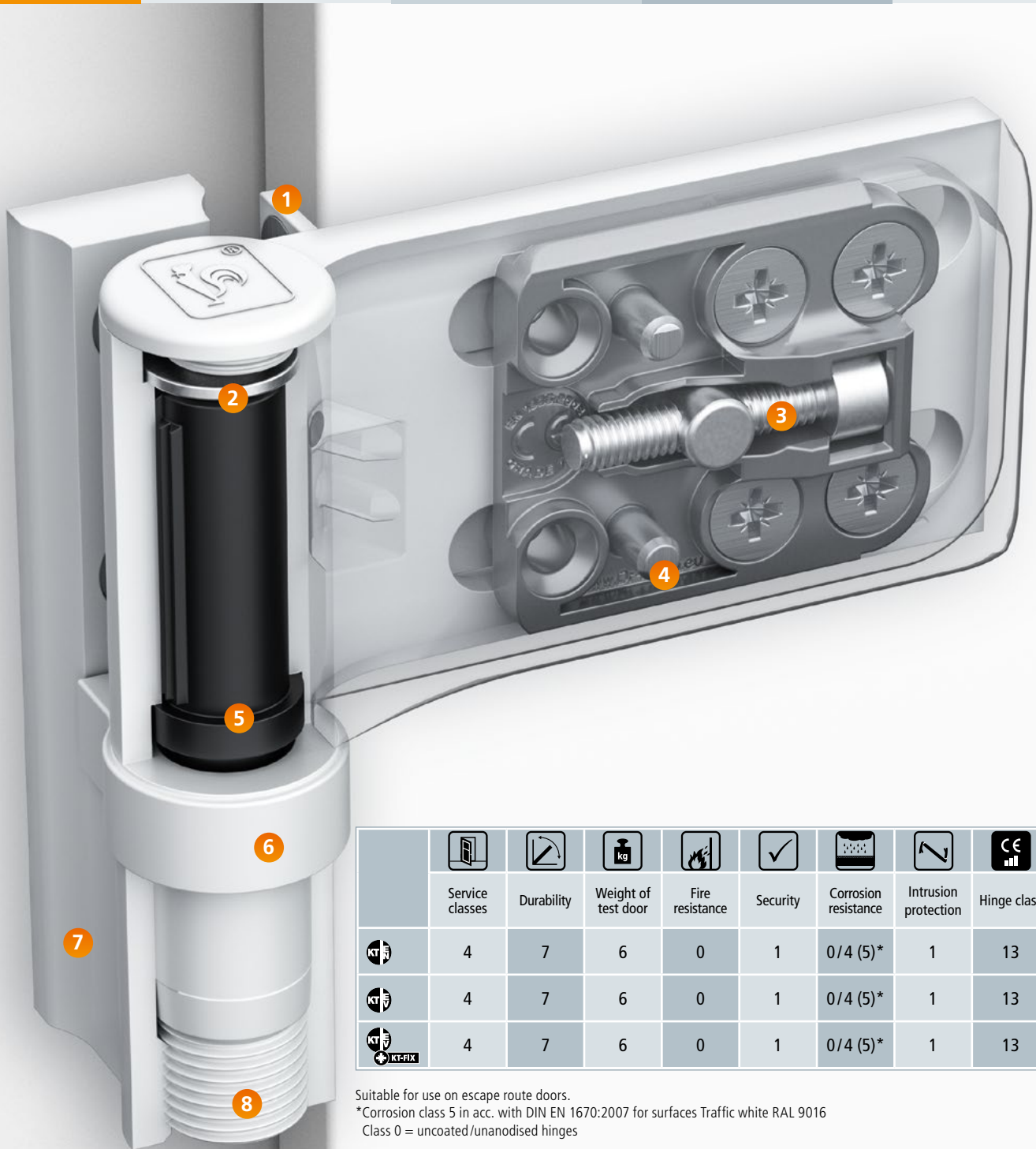













Adjustable in 6 directions



Universal hinge for front and side entry doors





	 Service classes	 Durability	 Weight of test door	 Fire resistance	 Security	 Corrosion resistance	 Intrusion protection	 Hinge class
	4	7	6	0	1	0/4 (5)*	1	13
	4	7	6	0	1	0/4 (5)*	1	13
	4	7	6	0	1	0/4 (5)*	1	13

Suitable for use on escape route doors.
 *Corrosion class 5 in acc. with DIN EN 1670:2007 for surfaces Traffic white RAL 9016
 Class 0 = uncoated/unanodised hinges

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





Hahn KT-EV / KT-EN

Universal hinge
for front and side
entry doors

- 1 KT-EN with upstand fastening for additional stability
- 2 Convenient, variable sealing pressure adjustment ± 2.5 mm without having to lift or remove the door
- 3 Continuously variable horizontal adjustment ± 5 mm – for plumb-vertical alignment of door leaf
- 4 High stability through retroactively insertable pins
- 5 Rust-proof, wear-resistant bearing bolt
- 6 Same appearance retained after adjustment
- 7 High-quality finishes – available in all RAL colours
- 8 Simple, variable height adjustment $+3/-2$ mm – on installed doors

Also available with self-drilling screw

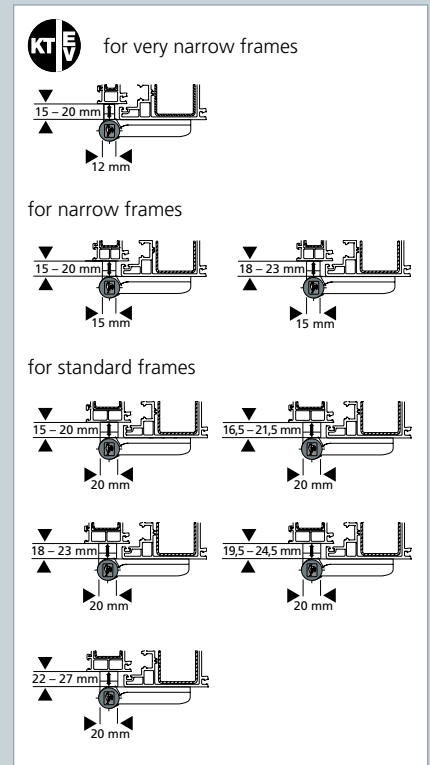
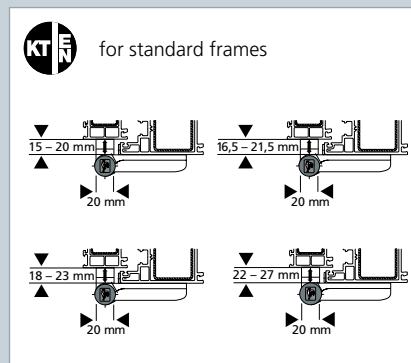
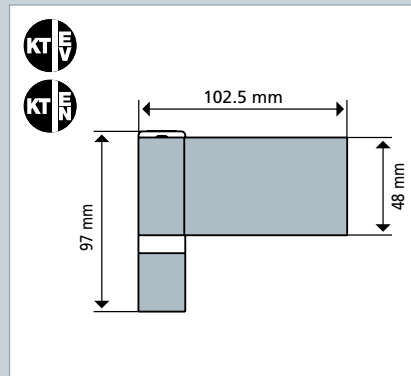
Other advantages:

- Adjustable in six directions
- Efficient adjustment, all adjustments can be carried out by a single person
- Door hinges are largely pre-assembled

Areas of application:

Doors made of PVC-U sections for residential buildings

- Main entrance doors
- Side entrance doors
- Exterior doors
- Interior doors
- Entrance doors for flats



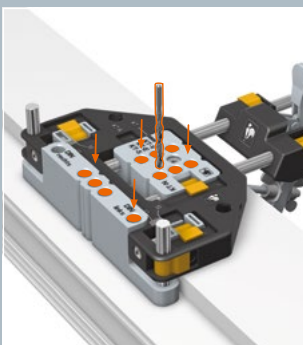
Now with upstand from 22 to 27 mm



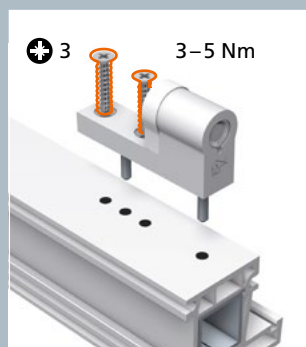
The hinges of the Hahn KT-EV and Hahn KT-EN series were developed for doors weighing up to 120 kg. They have everything that a good door hinge needs: they can be adjusted in six directions, are easy to install and adjust. Both versions are optionally available with self-tapping screws.

That in turn makes the processing time even shorter. Door hinges are universal and can be on many different door/frame systems. With this door hinge, door installers are able to handle five upstand ranges from 15 to 27 mm and three hinge base widths for very slender, slender and standard frames.

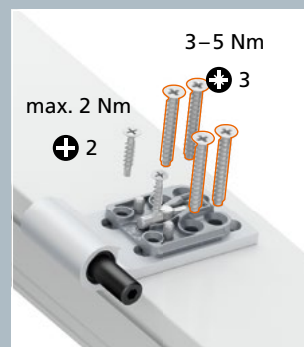
Installation instructions



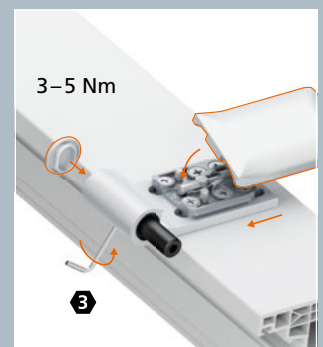
Drill frame. Note left or right-hand doors.



Screw on frame hinge part.



Screw on door hinge part.

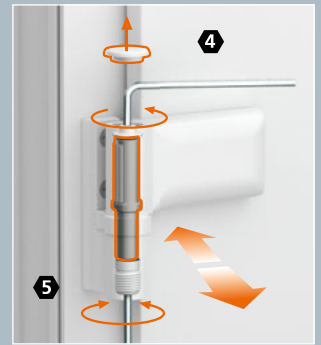


Insert hinge cover.
Snap cap in place.

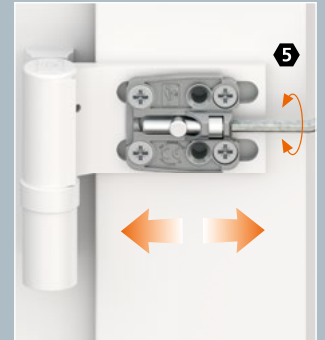




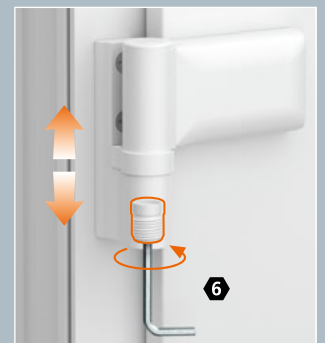
Adjustment instructions



Adjust sealing pressure
± 2.5 mm



Variable horizontal
adjustment ± 5 mm



Variable height adjustment
+ 3/- 2 mm

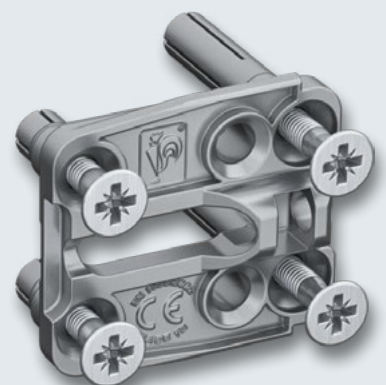
Forget buckling profile sections

Special metal pins provide additional stability and are more effective for preventing the door leaf from pitching – even after a million opening cycles under the most unfavourable conditions. The buckling of profile sections with KT-FIX is eliminated thanks to sophisticated geometry. The KT-FIX mounting solution is suited, among others, for hinges of the Hahn KT-EV series which can support doors weighing up to 120 kg depending on the design of the profile sections.

Hahn KT-EV with KT-FIX – align just once, fixed for good

KT-FIX is the name of Dr. Hahn's latest innovation, whereby FIX stands for really secure. The underlying idea is quite simple actually: to achieve a secure hinge fit, even with high pre-chambers, special metal pins are used to bridge the area between section surface and steel reinforcement and/or section claddings. Processing is for the most part the same as what you are used to.

KT-FIX! 



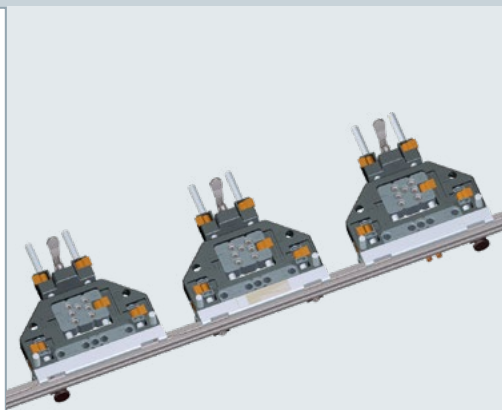
Individual parts







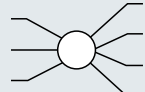



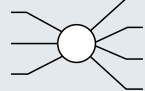



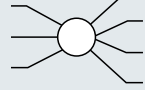



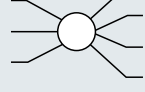



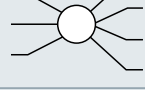




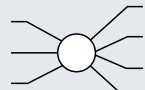



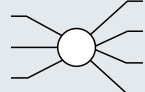




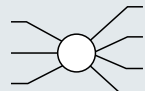



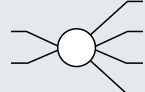


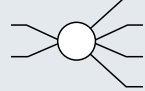


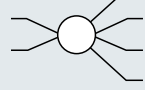


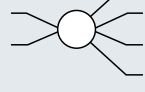



- 1 Frame hinge part
- 2 Door hinge part KT-EN, adjustment unit pre-assembled with angle stop, indicate RAL colour
- 3 Door hinge part KT-EV, adjustment unit pre-assembled, indicate RAL colour
- 4 Door hinge part KT-EV FIX, indicate RAL colour
- 5 Mounting part for KT-EV FIX
- 6 Bearing bolt
- 7 Saw-resistant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

Accessories

Drilling jig without clamp for KT-EV/KT-EN	No. T315A0000
Drilling jig with clamp for KT-EV/KT-EN	No. T315A0001
Drilling jig without clamp for KT-EV FIX	No. T315A0F06
Drilling jig with clamp for KT-EV FIX	No. T315A0F07
Automatic rod drilling jig for KT-EV/KT-EN	No. T415A0001
Automatic rod drilling jig for KT-EV FIX	No. T415A0F07
Drill bit Ø 5 mm	No. K450A0001
Step screw with flat-headed screw M6x18	No. K450A0006
Saw-resistant bearing bolt (1 PU = 24 pieces)	No. K250A0042
Tool for screwing in step screws	No. K450A0004
Countersunk screw 6,3x80 for frame and sash	No. K500E0007



Item numbers

 KT-EV for standard frame (20 mm hinge base) Maximum sash weight 120 kg					
		Packing unit 1 hinge per box	Packing unit 24 hinges per box		
Upstand range 15–20 mm	  	P207 ■ 0000 P207 ■ 0050 P207 ■ 0F00	P207 ■ V000 P207 ■ V050 P207 ■ VF00		E RAL 9010 G RAL 9016 5 RAL 8077 9 Special colour*
Upstand range 16.5–21.5 mm	  	P207 ■ 0056 P207 ■ 0057 P207 ■ 0F56	P207 ■ V056 P207 ■ V057 P207 ■ VF56		E RAL 9010 G RAL 9016 5 RAL 8077 9 Special colour*
Upstand range 18–23 mm	  	P207 ■ 0008 P207 ■ 0051 P207 ■ 0F08	P207 ■ V008 P207 ■ V051 P207 ■ VF08		E RAL 9010 G RAL 9016 5 RAL 8077 9 Special colour*
Upstand range 19.5–24.5 mm	  	P207 ■ 0028 P207 ■ 0029 P207 ■ 0F28	P207 ■ V028 P207 ■ V029 P207 ■ VF28		E RAL 9010 G RAL 9016 5 RAL 8077 9 Special colour*
Upstand range 22–27 mm	  	P207 ■ 0080 P207 ■ 0081 P207 ■ 0F80	P207 ■ V080 P207 ■ V081 P207 ■ VF80		E RAL 9010 G RAL 9016 5 RAL 8077 9 Special colour*
 KT-EV for narrow frames (15 mm hinge base) Maximum sash weight 120 kg					
Upstand range 15–20 mm	  	P207 ■ 0012 P207 ■ 0052 P207 ■ 0F12	P207 ■ V012 P207 ■ V052 P207 ■ VF12		E RAL 9010 G RAL 9016 5 RAL 8077 9 Special colour*
Upstand range 18–23 mm	  	P207 ■ 0031 P207 ■ 0053 P207 ■ 0F31	P207 ■ V031 P207 ■ V053 P207 ■ VF31		E RAL 9010 G RAL 9016 5 RAL 8077 9 Special colour*
 KT-EV for very narrow frames (12 mm hinge base) Maximum sash weight 100 kg					
Upstand range 15–20 mm	  	P207 ■ 0003 P207 ■ 0054 P207 ■ 0F03	P207 ■ V003 P207 ■ V054 P207 ■ VF03		E RAL 9010 G RAL 9016 5 RAL 8077 9 Special colour*
 KT-EN for standard frame (20 mm hinge base) Maximum sash weight 120 kg					
Upstand range 15–20 mm	 	P206 ■ 0000 P206 ■ 0050	P206 ■ V000 P206 ■ V050		E RAL 9010 G RAL 9016 5 RAL 8077 9 Special colour*
Upstand range 16.5–21.5 mm	 	P206 ■ 0056 P206 ■ 0057	P206 ■ V056 P206 ■ V057		E RAL 9010 G RAL 9016 5 RAL 8077 9 Special colour*
Upstand range 18–23 mm	 	P206 ■ 0008 P206 ■ 0051	P206 ■ V008 P206 ■ V051		E RAL 9010 G RAL 9016 5 RAL 8077 9 Special colour*
Upstand range 22–27 mm	 	P206 ■ 0080 P206 ■ 0081	P206 ■ V080 P206 ■ V081		E RAL 9010 G RAL 9016 5 RAL 8077 9 Special colour*
 Direct installation with screws		 Self-tapping screws		 KT-FIX *Please indicate special colour	

 **Dr. Hahn**[®]
HINGES. MADE IN GERMANY.



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