



# Hahn KT-N 6R KT-V 6R

Universal hinges for plastic doors



**NEW DESIGN –  
IMPROVED TECHNOLOGY**

...mit  
**hahnfunction®**







# Hahn KT-N 6R KT-V 6R

Universal hinges for plastic doors

KT-N 6R with retaining angle  
for narrow profile sections

Quick installation – zero position  
predefined in as-delivered condition

Good weathering resistance due  
to modern plastics

Horizontal adjustment  $\pm 5$  mm  
Inaccessible for unauthorised persons

Variable adjustment of sealing  
pressure by means of Hahn toothed  
bushing  $\pm 2.5$  mm  
+ 0.5 mm reserve within the  
upstand range

Good fit even with very high  
heat insulating chambers, due to  
extended centring pins

Contemporary design due to  
subtle contours

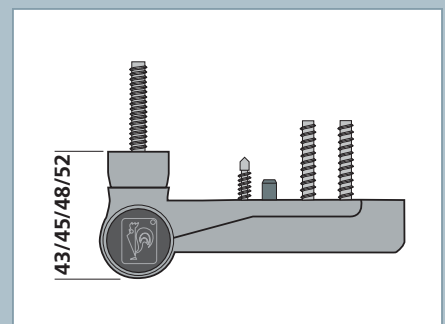
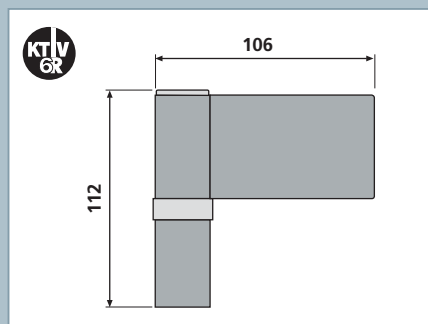
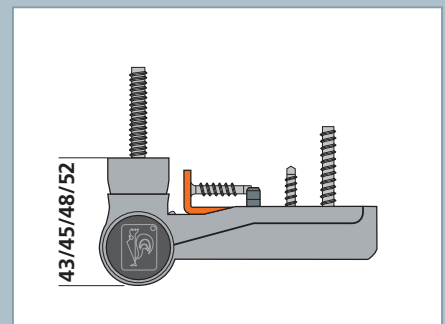
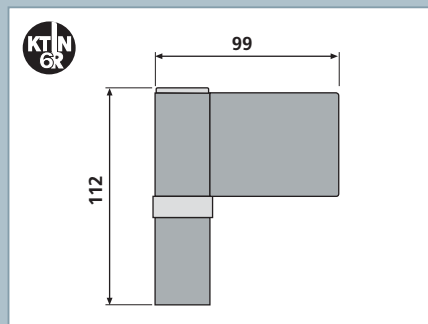
Flawless appearance –bushing  
collar covers all adjustment gaps

SKG-certified security  
– integrated pin security without  
additional parts

Vertical adjustment variable  
from the zero position:  
raise + 4 mm  
lower – 3 mm

## Other advantages

- Six possible adjustments which can be carried out single handedly without raising or removing the door
- CE-certified with hinge class 13 for very high loads
- Bearing pin can be removed with door mounted, e.g. with low lintel
- Supports 140 kg, depending of profile section design
- High surface quality available in all RAL colours and special designs
- Four upstand ranges: 13 – 18 mm, 15 – 20 mm, 18 – 23 mm and 22 – 27 mm
- Hahn step screw for bridging very high heat insulating chambers





## New design – With proven flexibility

Proved products with improved technology and fresh design:

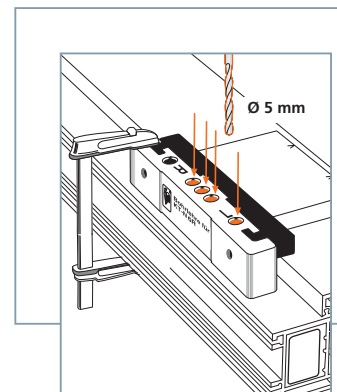
The Hahn KT-N 6R und KT-V 6R premium hinges accentuate the beauty of attractive doors with their subtle design and stand out because of their efficient, high-calibre installation technology.

Both series achieved hinge class 13 rating for very high loads during testing for CE labeling and thus may also be installed on emergency exit doors. A good fit is also ensured even with doors that have high heat insulating chambers. The hinges of both series are RAL-tested and approved for doors weighing up to 140 kg, depending on design of door frame.

All adjustments can be performed on site by one person without having to raise or remove the door. As tried, tested and proven in real world use, the hinges of the series Hahn KT-N 6R and Hahn KT-V 6R can be adjusted variably in six directions.

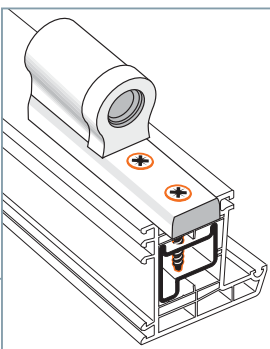


### Installation instructions

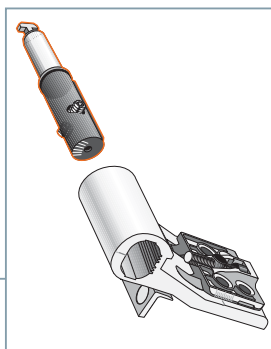


Drill frame. Note left or right-hand doors.

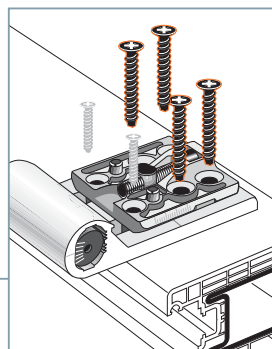




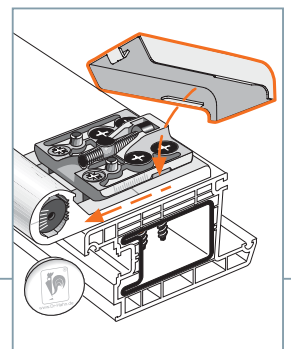
Screw-on hinge blade for frame.



Insert bearing element for left-hand or right-hand doors.



Screw-on hinge blade for door.

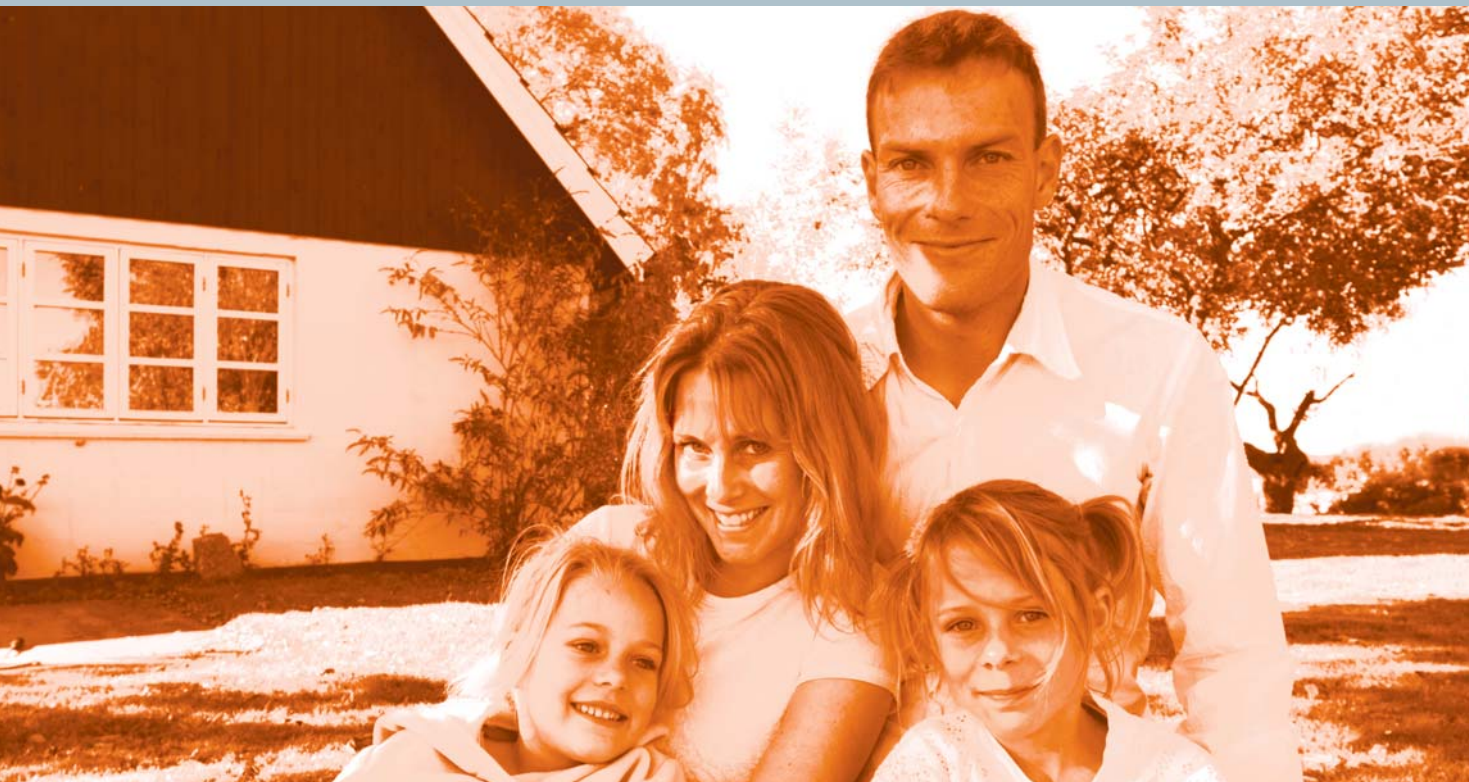


Insert caps.

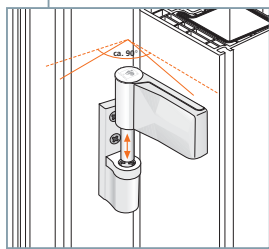
## Attractive – Secure – Rugged



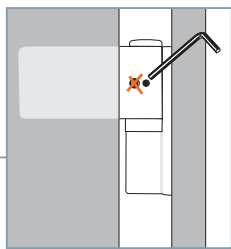
Front entrance doors are usually selected with care and based on individual requirements. After all, they serve as the calling card of a building for many years. In addition to reliability, particular emphasis is also placed on protection against break-ins. KT-N 6R and KT-V 6R series hinges have proven that they are secure in the demanding tests of SKG. Bearing bushing and pin element are combined into a sturdy unit thanks to a newly developed type of pin. The pin is protected against unauthorised tampering when the door is closed without requiring any extra measures. Shape and colour can either make the hinge disappear or act as an attractive design element, depending on individual desires. All RAL colours and several individual metallic tones are available for every door, ensuring you find what you are looking for. The new cover strip results in a uniform colour scheme of all components.



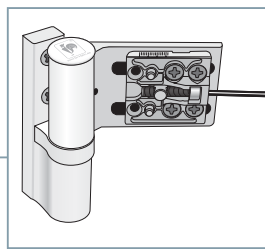
### Adjustment instructions



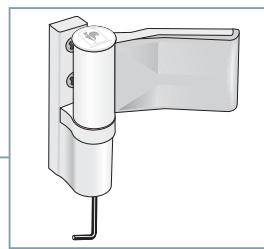
Mounting and removing the door while open 90°. If necessary, knock out pin.



Variable adjustment of sealing pressure.

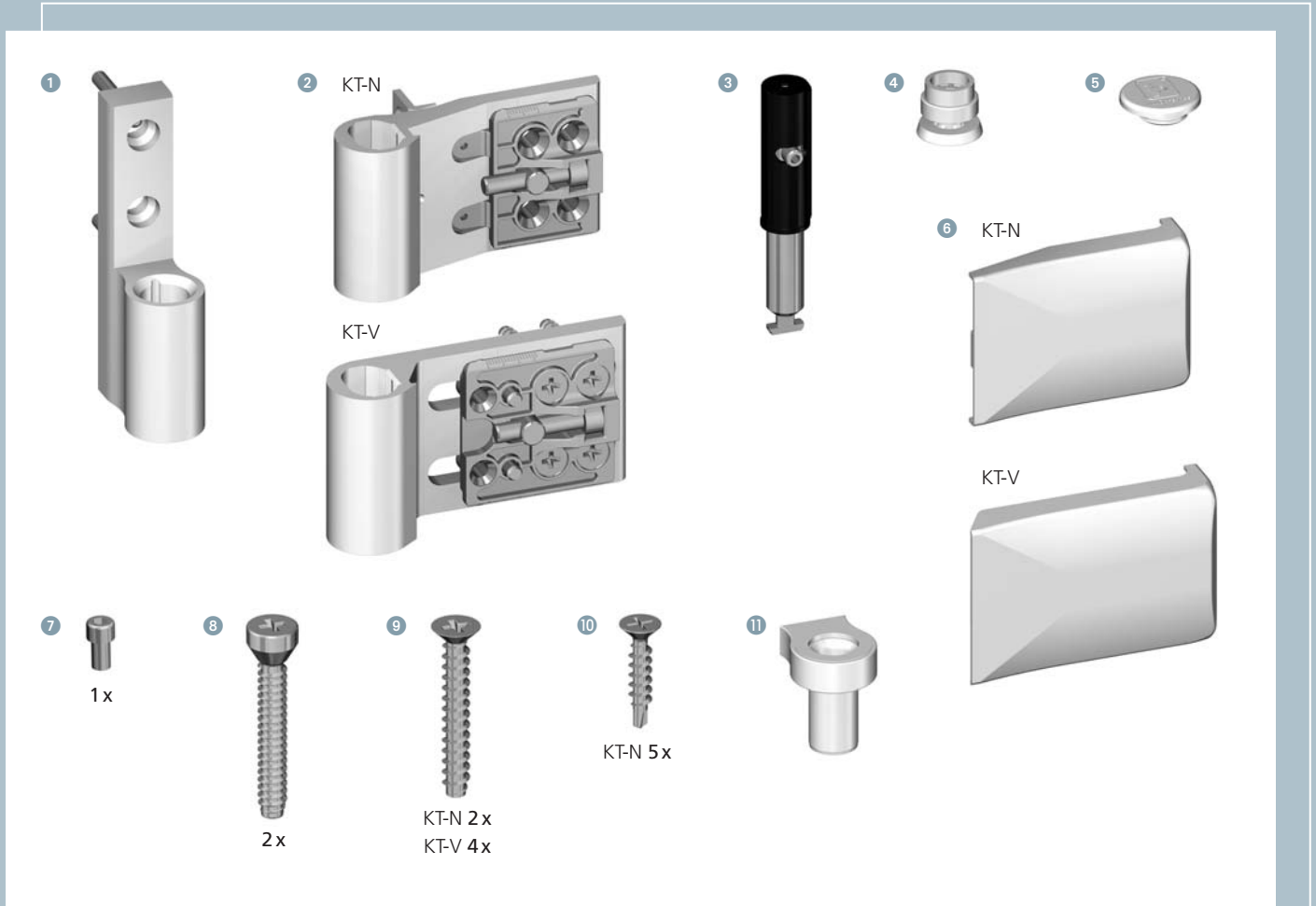


Horizontal adjustment, infinitely variable up to  $\pm 5$  mm.



Height adjustment (vertical adjustment) variable from the zero position.  
Raise + 4 mm  
Lower – 3 mm

## Parts



1	Frame hinge blade including bearing bushing (white)	13 – 18 mm	KT-N / KT-V	No. K400B0049
		15 – 20 mm	KT-N / KT-V	No. K400B0051
		18 – 23 mm	KT-N / KT-V	No. K400B0053
		22 – 27 mm	KT-N / KT-V	No. K400B0055
1	Frame hinge blade including bearing bushing (black)	13 – 18 mm	KT-N / KT-V	No. K400B0048
		15 – 20 mm	KT-N / KT-V	No. K400B0050
		18 – 23 mm	KT-N / KT-V	No. K400B0052
		22 – 27 mm	KT-N / KT-V	No. K400B0054
2	Door hinge blade	(Pls indicate colour)	KT-N KT-V	No. K400B0044 No. K500B0002
3	Bearing pin, complete		KT-N / KT-V	No. K400B0047
4	Lifting and lowering spindle	white	KT-N / KT-V	No. K400K0027
		black	KT-N / KT-V	No. K400K0016
5	Cap	white	KT-N / KT-V	No. K400K0023
		black	KT-N / KT-V	No. K400K0024
6	Cover strip	(Pls indicate colour)	KT-N KT-V	No. K400E0015 No. K500E0001
7	Locking screw (small)		KT-N / KT-V	No. E3300802
8	Special screw 6.3x45		KT-N / KT-V	No. E3400801
9	Countersunk head tapping screw 6x40		KT-N / KT-V	No. EF9000521
10	Self-drilling screw		KT-N / KT-V	No. E3300803
11	Bearing bushing	white	KT-N / KT-V	No. K400K0021
		black	KT-N / KT-V	No. K400K0022



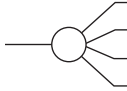

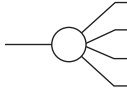

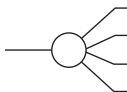

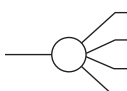

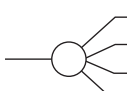


SKG (Stichting Kwaliteit Gevelbouw) is an independent certification body for building construction which actively monitors the quality of products and production processes.


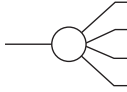

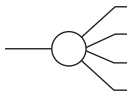

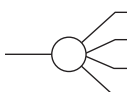

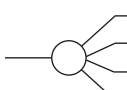
# Hahn KT-N 6R KT-V 6R

## Item numbers

### Packing unit 1 hinge per box

				
Upstand range I (13 – 18 mm)	 K460 0000	K560 0000		E RAL 9010 G RAL 9016 5 RAL 8077 9 Special colour*
Upstand range II (15 – 20 mm)	 K470 0000	K570 0000		E RAL 9010 G RAL 9016 5 RAL 8077 9 Special colour*
Upstand range III (18 – 23 mm)	 K480 0000	K580 0000		E RAL 9010 G RAL 9016 5 RAL 8077 9 Special colour*
Upstand range IV (22 – 27 mm)	 K490 0000	K590 0000		E RAL 9010 G RAL 9016 5 RAL 8077 9 Special colour*

### Packing unit 24 hinges per box

Upstand range I (13 – 18 mm)	 K460 V000	K560 V000		E RAL 9010 G RAL 9016 5 RAL 8077 9 Special colour*
Upstand range II (15 – 20 mm)	 K470 V000	K570 V000		E RAL 9010 G RAL 9016 5 RAL 8077 9 Special colour*
Upstand range III (18 – 23 mm)	 K480 V000	K580 V000		E RAL 9010 G RAL 9016 5 RAL 8077 9 Special colour*
Upstand range IV (22 – 27 mm)	 K490 V000	K590 V000		E RAL 9010 G RAL 9016 5 RAL 8077 9 Special colour*

 Direct installation with screws

\*Please indicate special colour (e.g. brilliant gold)

## Accessories

Drilling jig for direct screw connection	<b>KT-N</b> <b>KT-V</b>	No. T306A0000 No. T305A0000
Automatic rod drilling jig for direct screw connection	<b>KT-N</b> <b>KT-V</b>	No. T406A0000 No. T405A0000
Step screw with flat-headed screw M6 x 15	<b>KT-N/KT-V</b>	No. K450A0005
Step screw with flat-headed screw M6 x 18	<b>KT-N/KT-V</b>	No. K450A0006
Tool for screwing in step screw	<b>KT-N/KT-V</b>	No. K450A0004