



Hahn KT-RN / KT-RV



new

Four Rollenband butt hinge versions complement Dr. Hahn's existing hinge program and is thus on par with the range of butt hinges for metal doors. Under the names KT-RV and KT-RN, 2- and 3-parted versions are introduced for common PVC profile systems. In particular the design with a slim 22 mm diameter roller barrel gives an impression of strength and elegance at the same time. This is underlined by the extended colour selection, that besides all RAL colours, includes silver anodised (EV1). The new Rollenband butt hinges are used in particular in high-end private homes, but also in commercial construction. They can be used both DIN left and DIN right and for in-swing and out-swing doors.

Slender, stable and 3-D adjustable

The biggest design leap is made by the new KT-RV, which replaces the previous KT-R door hinge, with attachment of the sash part in the hardware groove. In addition to a more modern external shape, the new hinge version is now adjustable in six directions without causing an offset between the hinge barrels. The height of the door can be adjusted by +3 mm and -1 mm with the 2-parted hinges and even +3 mm and -3 mm with the 3-parted version. Horizontally the adjustment ranges are +3 mm and -3 mm. As well horizontal as vertical adjustment is continuously. Rotation of the bearing bushing, allows an adjustment of the sealing compression of ± 0.5 mm (3-parted hinge ± 0.4 mm).

Large Dr. Hahn butt hinges for PVC profiles



Fits to all profiles

Fitting is still carried out through profile-adapted mounting plates. There are standard solutions for 16 mm and 20 mm hardware groove and a wide range of system specific adapter plates. A new drilling jig has been developed for manual assembly, which enables the worker to precisely fit all the drills on frame and leaf. For fast and convenient processing, universally applicable drilling jigs are available through our specialized hardware dealers.

Hahn KT-RN – Air tight all the way

Manufacturers of doors made of PVC profiles are familiar with hinges featuring upstand fastening that do not require an interruption of the gasket. The new Hahn KT-RN in the 3-parted version now brings more power to the door. Depending on the profile system, the load capacity is 160 kg. The series is complemented by a 2-parted version with a load capacity of 120 kg, also featuring upstand fastening. The trend in profile systems is moving more towards straight lines again. This also affects the geometry of the hinges, which can now be screwed together with a high form fit. Connections to contours with sloped or rounded contact surfaces are therefore not necessary and are only supplied by the manufacturer for special applications.

The door leaf is adjustable in 6 directions: vertically +3 mm/–3 mm (with 2-parted hinges – 1 mm), horizontally +3 mm/–3 mm continuously, without hanging out the sash and in sealing pressure with +0.5/–0.5 mm (3-parted ±0.4 mm) by turning the bearing bushing. The standard covers upstand ranges from 16.5 mm to 26 mm.

Also for mandated areas

All hinge designs are developed for doors in single and multi-family homes, but are also intended for use in high-frequency commercial construction and in mandated areas, such as escape routes. For the CE test according to EN 1935:2002, Dr. Hahn strives for hinge class 14 for all 2-parted hinges and for the 3-parted Hahn KT-RN.

The 3-parted Hahn KT-RV is to be classified with hinge class 11 due to its technical design. Tests for

burglary protection (SKG) are still pending. However, the manufacturer assumes that the hinges will also pass these demanding tests, as extensive tests have already been carried out in the internal test laboratory.

Service package for specialised trade

The hinges, which are made of extruded aluminum, are delivered both in individual packages and, for large-scale processors, in multiples of 24. Dr. Hahn offers retailers extensive article data for retrieval so that they can fill their merchandise management and PIM systems promptly. In addition, pictures and installation instructions are available for marketing the butt hinges in the dealers' own online shops.

TECHNOLOGY

- **Material:**
Manufactured based on extruded aluminum profiles
- **Fastening method:**
Directly mounted in frame and door
- **Load capacity:**
Depending on the profile design
– 2-parted max. 120 kg
– 3-parted max. 160 kg
- **Adjustability:**
Adjustable in six directions:
– Horizontal adjustment, continuously ±3 mm
– Height adjustment, continuously
2-parted +3 mm / –1 mm, 3-parted ±3 mm
– Adjustment of sealing pressure ±0.5 mm
2-parted ±0.4 mm, 3-parted
- **Certificates:**
– CE-certified according to EN 1935:2002 hinge class 14
– Exception: KT-RV, 3-parted - hinge class 11
– SKG 2-star pending
- **Colours:**
Hinges available in EV1 and RAL colours
- **Maximum opening angle is 180°**
- **Can be used on both left or right-hand doors**

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