



Hahn Rollenband 4

Butt hinge for aluminium doors



By now, Dr. Hahn has been involved with butt hinges for 14 years. In this, particular attention was always paid to being able to provide door makers with a standardised – though system-adapted – solution for as many profile situations as possible. The **Hahn Rollenband 4** butt hinge is the latest version featuring a multitude of advantages.

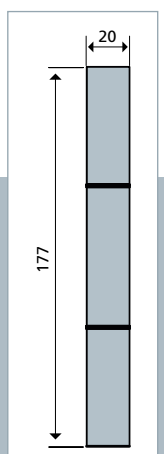
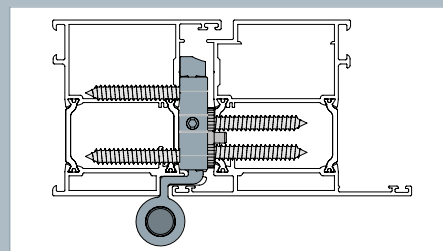
Versatile application with easy handling

The different designs of the aluminium profiles, starting with the profile's geometry and the width of the thermal insulation zones, all the way to the rolled edges of the insulating webs turn the form-fitting rebate-side installation into a highly demanding challenge.

With the new **Hahn Rollenband 4** butt hinge, we are now able to provide aluminium doors with a hinge that is so easy that even its installation instructions do not require any explanatory words.

Factory-preset

For physical reasons, the shadow groove already changes in case of medium-weight door leaves. At the top, it becomes wider whereas at the bottom it is visibly narrower to the naked eye. As a result, door makers quite often had to peruse the adjustment range of the horizontal adjustment of butt hinges to an extent that virtually all of the element's available adjustment range was exhausted. The new **Hahn Rollenband 4** butt hinge takes this deformation into consideration already in advance and provides the element with a continuously variable adjustment range of ± 1.5 mm. And this in turn without a need to loosen the mounting screws. Two patented joint pieces bring the hinge into zero position. This preset, furthermore, effects that the seal's pressure is also optimised. The fine adjustment – if necessary at all – then takes place on the installed door.





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A continuously variable vertical adjustment of ± 3 mm provides the **Hahn Rollenband 4** with the necessary variability to be able to respond to different floor covers. The 3-piece door hinge is equally suitable both on the right and on the left in accordance with the DIN standard and is used both with inward and outward opening door elements. As a result, it features a system-adapted version for any application situation.

CE-certified for high stresses

A continuous bearing pin made of stainless steel with a diameter of 12 mm that can be uninstalled both to the top and to the bottom provides the hinge with particularly high stability. In the CE test, the **Hahn Rollenband 4** butt hinge achieved the hinge class 14 and is suited for particularly high stresses. Depending on the way the profiles are executed, the door hinge may bear 150 kg at a leaf size of 2200 x 1100 mm. As is typical of Hahn hinges, the hinge's bearing is absolutely maintenance-free. Furthermore, the hinge arrives mostly preassembled at the door maker.

Elegant design in numerous colours

The new Hahn hinge is also appealing to architects. The hinge's particularly slim hinge role of 20 mm diameter, which does not show any role displacement even after extreme adjustments, provide the door hinge with a particularly pleasant appearance. With respect to the colour design, the designers of entrance areas have access to any number of variants. In addition to anodised surfaces, the hinge is also available in all RAL colours and wet-painted. This is particularly important when handle sets and door hinges are to match each other harmoniously.

TECHNICAL DESCRIPTION

■ Areas of use:

Doors made from metal profiles, in particular in property real estate and quality residential housing construction:

- Main entrance doors
- Interior doors
- Side entrance doors
- Exterior doors
- Functional doors

■ Material: Made of extruded aluminium

■ Fastening method: Directly installed on the frame and leave

■ Load capacity: Depending on the profile construction, up to 150 kg

■ Adjustability: Mounted door leaf adjustable in 4 directions:

- Vertical adjustment ± 3 mm continuously variable
- Horizontal adjustment ± 1.5 mm continuously variable

■ Certificates: CE-certified in accordance with EN 1935, hinge class 14

■ Colour designs: Hinges available in anodised and RAL colours