



Hahn Rollenband AT



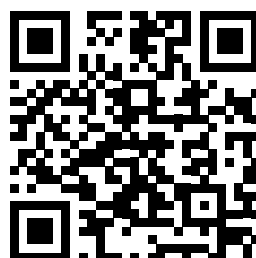
With its new Rollenband AT, Dr. Hahn provides the market with a hinge system that can be adapted to all common door frame systems. Its roller diameter of 20 mm meets the high design standards, which building owners and architects have for ensuring that hinges on their residential and commercial doors are as unobtrusive as possible.

High performance, convenient to adjust and easy to install

In spite of its slim design, the three-piece Rollenband AT is able to bear in two-hinge applications doors weighing up to 150 kg. When using three hinges, doors may weigh up to 180 kg, depending on the design of the door frame sections. It can be adjusted in six directions: Horizontal ± 1.5 mm, vertical ± 3 mm and in sealing pressure by rotating the bearing bushing ± 0.3 mm. The adjustments take place inside of the hinges. The well-designed hinge contour is retained even in case of extreme adjustment. The largely pre-assembled hinge is quick and easy to install.

A one-piece bearing pin made of stainless steel ensures a high level of stability. This is designed in such a way that the door can be easily removed even in case of a low lintel. The bearing point made of a special high-quality material is almost abrasion-free even with doors that are very heavy and subject to frequent use and thus requires no maintenance by facility management.

For use on high-quality aluminium doors



For all common system profile sections and many surface finishes

Adapting the hinge to different systems is usually carried out in the factory. System-specific drilling jigs are to be used when preparing the door/ and frame for hinge installation. These are available as accessories in our product range. The secure seating of the hinges is achieved using stainless steel screws.

In order to be able to serve the ever-increasing colour variations of profile sections, the Rollenband AT is available in all RAL colours, various anodised colours and other custom colours.

Tested on a high level

In tests for use in mandated areas (smoke, fire and emergency exit doors), the Rollenband AT strives to attain the hinge class 14. As a result of that, it can be used on doors with especially high demands. The tests have not yet been concluded though.

In addition to that, the new Rollenband AT hinges are also undergoing demanding tests to verify resistance to break-ins in accordance with DIN EN 1627. The standard examines the resistance of various components in their opening types in 7 classes. Which class that can be achieved depends largely on the door element. The Rollenband AT is designed in such a way that the test category RC 2 can be fulfilled.

Now with online check

The new hinge series shall replace in the future various butt hinges still in Dr. Hahn's assortment. For contractors, Dr. Hahn has developed a new online tool. This allows users to quickly determine whether the hinge is suited for the profile sections used in the workshop. System suppliers, series and, if applicable, the numbers of the frame and door profile sections have to be entered. If this combination has already been examined by Dr. Hahn's application engineers, the contractor should receive corresponding information in this context, possibly even with Dr. Hahn's respective product number. If the selected combination had not undergone testing yet, an inquiry will be sent to application engineering. The hinge specialists from Mönchengladbach will then contact the contractor as soon as possible via e-mail.

Installation drawing as valuable service

Dr. Hahn provides system-related installation drawings. We recommend requesting the service of Dr. Hahn Technology.

The Hahn Rollenband AT is the most modern butt hinge of its type, offering maximum convenience in workshops and easy handling on building sites.

AREAS OF APPLICATION

- Doors made of metallic sections, especially suited for commercial and high-quality residential buildings
 - Main entrance doors
 - Side entrance doors
 - Functional doors
 - Interior doors
 - Exterior doors
- Suited for use with almost every common aluminium system
- Same appearance retained after adjustment

SYSTEM/APPLICATION

- **Material:**
Constructed of extruded aluminium
- **Fastening method:** Direct installation with screws
- **Load capacity:**
Depending on profile section design max. 180 kg (3 hinges)
- **Adjustability:**
 - Horizontal adjustment $\pm 1,5$ mm (adjustment range may be less depending on installation situation)
 - Vertical adjustment ± 3 mm
 - Adjustment of sealing pressure ± 0.3 mm by turning the bearing bushing
- **Can be used on left or right**
- **In preparation:**
CE-certification according to EN1935:2002
- **Colours:**
Hinges deliverable in anodised colours, RAL Colours and custom Colours

„The Rollenband AT is a system-adapted hinge which was developed in close co-operation with door manufacturers. Different door/frame combinations require special solutions. To help us process your enquiry and order, we require accurate information about the respective door/frame combination to be used.“

