



# Hahn Türband 4 AT



The flagship of Dr. Hahn's door hinge range has been further optimised in several important functions. In addition, details have been incorporated into the design to make processing in the workshop and on the building site even more efficient.

### **NEW!**

#### **Half dual spacing for narrow frame hinge part**

New in the series is the half dual spacing, in which the frame hinge part has been reduced to a minimum of the space required. This new variant is used especially in situations with little space on the frame side. The screw connection is made through the hinge part. No matter whether anchor screw, screw anchor or mounting plate, all available fastening material can be used for mounting.

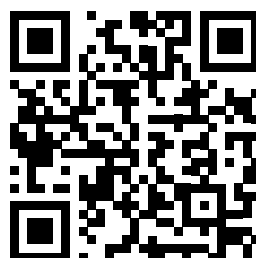
#### **Improved: Horizontal adjustment**

Following adjustment of the door leaf to the structural conditions regarding height, horizontal alignment of the door leaf is the most frequent adjustment.

Due to an ingenious distribution of the occurring forces, the Türband 4 AT is much more stable on the element after adjustment. Alignment has also become smoother even with high loads.

One person can thus easily move weights of up to 180 kg in the 2-part version and up to 220 kg in the 3-part version. Support of the leaf is helpful, but not absolutely necessary.

Good made even better



### Improved: Sealing pressure adjustment

An additional part was required for the sealing pressure adjustment in the old three-part design. All adjustments are integrated in the hinge with the Türband 4 AT. The fitter only needs his standard tools.

A grub screw is now sufficient to secure the bearing bolt against unscrewing. Bolt misalignment, which occasionally occurred in practice, is now a thing of the past. One detail of the optimisation process is the changed length of the threaded pin. This additionally improves engagement in the bolts.

### Improved: Firm fit of the plastic cover caps

Under extreme weather conditions, plastic has the tendency of expanding or contracting. This meant that the plastic cover caps protecting the inside of the hinge from dirt and moisture did not always fit tightly.

The Türband 4 AT has been given a new geometry which ensures a particularly tight fit of the caps. To make it easy to remove them on the construction site, a groove has been included for applying a small screwdriver. The cap is also designed identically for use from above and below so that there is no longer any confusion between the parts.

### Improved: All Hahn fastening material can be used

As standard, the Türband 4 AT has two pivot points, 20 and 36 mm. Further pivot points as special designs are no longer created by furring of the hinge base, but always consist of a one-piece hinge part.

Türband 4 AT is always supplied with fastening material. As standard, the anchor screw developed by Dr. Hahn is used in four lengths and two different material versions. For non-insulated profiles, mounting plates in 15 mm and 21 mm widths continue to be available. When using material combinations, for example wood and aluminium, the screw anchor is the fastener of choice.

The principle of **"the right solution for every situation"** also applies when it comes to fastening.

### Improved:

#### Suitability for fire doors from the very first day

In an initial fire test lasting well over 30 minutes, the

standard version of the Türband 4 AT passed the test. It was thus proven that the new design is also suitable for use on smoke- and fire protection doors.

### Improved: All colours quickly available

Colour variety with the profiles knows hardly any limits. Dr. Hahn also follows this trend and offers all RAL colours and various anodised shades in highest quality for all hinges in the series. To serve the market quickly with special colours as well, state-of-the-art technology has been installed in the company's plants.

The result: all customer wishes can be fulfilled within a few working days.

## TECHNOLOGY / APPLICATION

### Material:

Manufactured of extruded aluminium

### Mounting method:

fastening via anchor screw, screw anchor or fixing plates with fixing screws

### Versions:

two pivot points of 20 mm and 36 mm

### Load capacity:

depends on the profile design  
max. 180 kg (2-part) or 220 kg (3-part)

### Adjustability:

Fitted door leaf is adjustable in 6 directions  
- Height adjustment infinitely variable via integrated lifting spindle + 3 mm, - 2 mm  
- Horizontal adjustment infinitely variable  $\pm 2.5$  mm  
- Sealing contact pressure  $\pm 0.5$  mm, individual variants require lifting of the leaf

### Usable DIN left / DIN right

### In preparation:

CE-certification according to EN1935:2002

### Colour versions:

hinges available in anodised colours and RAL colours

### Opening angle > 180°

### Bearing point is maintenance-free

## Hahn Türband 4 AT – it can't get any better!

 **Dr. Hahn**<sup>®</sup>  
HINGES. MADE IN GERMANY.

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