

B/aS/y/s

Bartels Systembeschläge GmbH

FITTINGS WITH IDEAS



innovations

Concealed system technology for exterior doors



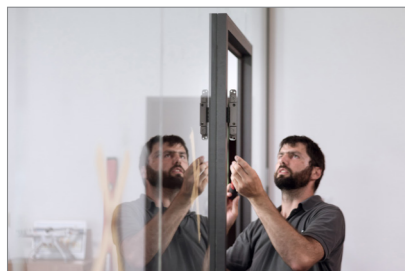
With **MASTERBAND FX2 120 3-D FD**, the German Design Award winning hinge with tried-and-tested fire-safety qualities, BaSys is demonstrating a concealed hinge **for rebated front doors** with 18 mm rebate and door-leaf sealing. It's made for load-bearing capacities of up to 120 kilograms per pair, maintenance-free and adjustable in three dimensions. The MASTERBAND FX2 120 3-D FD was developed especially for rebated front doors subject to weather influences and temperature fluctuations. It accommodates wing seals and also features a seal in the hinge itself. The ift Rosenheim Institute for Window Technology has certified it for Class 12 CE.

With its **PIVOTA® DX** range, BaSys provides concealed solutions **for inset and therefore flush front doors**. The complete range of concealed hinges covers load-bearing capacities of 40 to 350 kg per pair (see lower picture at the title). The PIVOTA® DXS 300 3-D Steel, for example, is classified as a heavy-duty load carrier within the product range: it is capable of supporting 350 kilograms per pair and made entirely of steel. This gives the hinge an RC4 break-in resistance class. With an increasing share of steel, the hinges are also recommended for smoke and fire protection.

With the **separate hinge safety mechanism**, entrance doors can be secured to resistance class RC3 regardless of the type of hinge. This means that the front door resists break-in attempts with screwdrivers and even crowbars for at least 5 minutes. The BaSys solution is mounted on the wing side with a corresponding counterpart and remains adjustable for secure connection.



Concealed fitting system for full glass doors



With the **PIVOTA® DX Glass**, BaSys is adapting the CE-certified and proven technology of its concealed hinges for use with hinged glass doors, with no ifs or buts, and is expanding it to create a system suitable for project usage. Together with the lock as well as lock retainer and handle, the hinge with hinge retainer forms a unit. The components are designed to match each other finely and **fit flush with the frame and face**. The

retainer surrounding the wing part of the hinge is coordinated with the frame size. Made of solid aluminium, it provides many different options for finishing the surface. Magnetically attached design covers ensure a screw-free look.

- suitable for project usage
- all load-bearing capacities
- variety of surface finishing options
- maintenance-free
- adjustable in three dimensions
- clean look with magnetically attached design covers
- uniform architectural and assembly approach for wood and glass doors
- fully functional lock (lockable, sound-proof)



Easy function for heavy doors

Increasing door weights and larger door panels are demanding hinge systems with a high load-bearing capacity. BaSys will be demonstrating solutions in the field of concealed hinges and a barrel hinge that is suitable for 350 kg doors at the Fensterbau Frontale 2018 trade fair.



A new member of the PIVOTA® DX product range has already made its debut, at BAU 2017. Developed for heavy-duty applications, the **PIVOTA® DXS 180 3-D Steel** hinge is made of solid steel and stainless-steel joints, and carries a standard load of **300 kilograms** per pair. Its special kinematics permits **claddings in a thickness of up to 8 mm**.

The new model has the same mortising dimensions as the PIVOTA® DX 120 (160 kg load-bearing capacity per pair) and PIVOTA® DX 180 (200 kg load-bearing capacity per pair) models which makes it easier to change doors. The manufacturer provides mortising compatibility within the model groups.



The hinge system **OBJECTA® 2239/160/56-4 S with STV 135/56 3-D** for the field of heavy-duty doors is a demonstration of strength. The barrel hinge has successfully passed the tests for doors weighing **350 kilograms**. When developing the product, the focus was not only on the hinge itself but, above all, on the hinge receiver. With its construction principle, this model follows with fixing pins as well as high-quality bearing materials the renowned system approach of the OBJECTA® door hinges.

Adjustable striking plate in a solid version

Rebated doors can be adjusted from the striking-plate side such that they fit without any play whatsoever. Fitted in the top aperture of the striking plate STABILO 28 2-Hole is a U-shaped stainless-steel profile that can be moved horizontally after loosening the clamping screw with a small screwdriver. This increases or reduces the door seal's contact pressure (2 mm).

Apart from a light version BaSys is showcasing at Frontale trade fair a solid version **made of 8 mm thick steel or stainless steel**. The material



enables the striking plate to be used in applications with high door weights and high opening/closing frequency, and is furthermore suitable as a base component in burglary and fire protection systems.

The solid STABILO® 28 2-Hole fits the same mortise as other BaSys striking-plate systems, meaning that it can be used to upgrade the system or, where higher demands are placed on a door, easily fitted as a standard striking plate. It is available in different versions for right and left-handed doors.

innovative | customer-oriented

flexible | made in Germany

"Best of best" at the Iconic Award: Innovative Interior



PIVOTA® DXS 101 3-D Close — the name refers to a concealed hinge that closes doors gently and automatically. The additional components not only adapt to the concealed system. The hinge also remains fully functional: it can be adjusted in three dimensions and enables the door to be opened to an angle of 180 degrees. In this state, the door remains open; the self-closing mechanism is only activated from an opening angle of approximately 110 degrees.

Developing the new solution, BaSys placed the focus on doors weighing up to 80 kg.

The **PIVOTA® DXS 101 3-D Close** is equipped with a steel joint and interconnected lock barrel that disappears into the door rebate in the same way as the hinge. The system thus works entirely hidden from view when the door automatically closes. The lock barrel pulls on the joint in a controlled action. For greater safety and an added feel of luxury, the mechanism — which manages without a separate door closer — slows the door down before it gently locks.

BaSys had already been awarded the **Innovation Prize for Architecture and Construction** for the hinge back at the BAU 2017 trade fair. In January 2018 the company were awarded in addition the highest accolade, "best of best" at the "Iconic Award: Innovative Interior" in the building equipment category.



BaSys — Fittings with ideas

BaSys stands for Bartels Systembeschläge. The family-owned company run by Albert and Jürgen Bartels has been developing, producing and selling an all-embracing range of building hardware since 1995. With its hinge and striking-plate systems, BaSys regards itself as a problem solver for door and frame manufacturers throughout Europe as well as for national and international customers from retail and the trades. In 2001, the company was the first German manufacturer to present a concealed and three-dimensionally adjustable hinge with the "PIVOTA®" product range, initiating a new design trend in the door industry. At company headquarters in Kalletal, East Westphalia, BaSys employs around 90 members of staff.

Talk to a strong partner:

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