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Bartels Systembeschläge GmbH

FITTINGS WITH IDEAS



innovations  BAU 2019

PIVOTA® – concealed hinge systems

... streamlined for the entry-level

Presenting the PIVOTA® DX 35 2-D LT – "LT" stands for "light" – BaSys is introducing a cost-effective entry-level model for flush-fitting doors at BAU 2019. Although the concealed hinge has been slimmed down in terms of design, it benefits from all of the features familiar from PIVOTA® hinges, such as low maintenance, transverse support via slide pistons, and the use of solid materials. The new model is capable of supporting 40 kilograms per pair.



... project-oriented for glass doors



Photo: The Design Patrick Banasik, Gemünden

The fitting technology should be as invisible as possible and ensure a purist look, when filigree glass comes into play as a door material. BaSys has expanded its PIVOTA® DX Glass, developed for glass doors, to create a project-oriented system. The hinge forms a unit together with the lock and lock retainer, door handle and, on request, the frame as well. The components are designed to match each other finely and fit flush on both sides with the frame and face. And they can be mounted in the tried and tested way without changing the frame construction. At BAU 2019 BaSys will be demonstrating the suitability of the system for business premises.

With PIVOTA® DX Glass, BaSys has adapted the proven technology of its concealed hinges to applications for glass doors – with the associated advantages in terms of the **scalability of the load-bearing capacity** (hinge models from 100 to 160 kilograms per pair are applicable) and the existing CE certification. The frame part disappears into the frame and the wing part vanishes into a retainer screwed into and therefore clamped to the glass door. The connection created ensures maximum long-term strength. Magnetically held cover plates ensure the **screw-free look** of the hinge. PIVOTA® DX Glass is suitable for standard frames on flush-fitting doors with glass thicknesses of eight, ten and twelve millimetres, which can also be in frameless design. The hinge is **maintenance-free** and can be **adjusted in three dimensions**.

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** to match its design to the colour of the frame, to the decorative fitting and the high-quality lockable lock case, making it suitable for project applications. As an example, BaSys will be demonstrating the use of an electronic lock barrel at BAU 2019, but locking systems are also an option. In combination with the tightly closing door leaf, PIVOTA® DX Glass is ideal for soundproof glass elements – an important issue in office developments.



Photo: The Design Patrick Banasik, Gemünden

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... awarded for self-closing doors

At BAU 2017 BaSys won the INNOVATIONSPREIS ARCHITEKTUR + BAUWESEN, 2018 the highest honour "best of best" at ICONIC AWARD: INNOVATIVE INTERIOR for the concealed hinge that closes doors gently and automatically. BaSys will be demonstrating the solution in a new light at BAU 2019.



PIVOTA® DX Close' additional components not only adapt to the concealed system technology. 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. Furthermore, the PIVOTA® DX 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. Developing this solution, BaSys placed the focus on doors weighing up to 80 kg.



OBJECTA® – visible hinge systems

... for heavy-duty doors

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 retainer. With its construction principle – with fixing pin and high-quality bearing materials – this model follows the renowned system approach of the OBJECTA® door hinges.



With the OBJECTA® product range, BaSys has designed a door-hinge system which is just as functional as it is aesthetically pleasing, which is geared to a high frequency of opening and closing cycles and which requires no maintenance throughout its service life. This is ensured by the high-quality bearing system in which flange bushings with enlarged sliding surfaces are embedded in a special plastic for minimum friction. OBJECTA® door hinges are tested and certified under DIN EN 1935 and conform to CE hinge classes 11 and 14 respectively. The OBJECTA® hinge for heavy-duty doors is available for rebated and non-rebated door geometries.

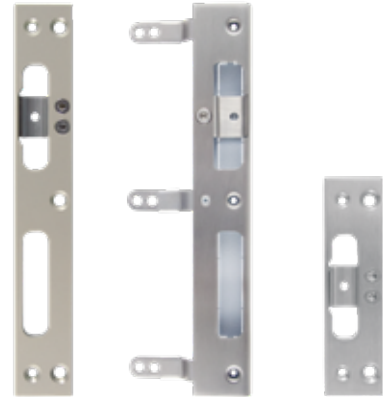
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STABILO® – striking-plate systems

... interchangeable and with consistent adjustment function

For the first time ever, BaSys will be presenting its STABILO® striking-plate system – lightweight and solid striking plates for both rebated and flush-fitting doors – at BAU 2019 with consistent adjustment function. Furthermore, the models have a u-shaped stainless-steel profile in a trap opening that can be moved in a horizontal direction after loosening the clamping screw. This increases or reduces the door seal's contact pressure. Once the adjustment has been made, the clamping screw is tightened again, fixing the mechanism in place. The principle works just as well with the light striker plates made of 1.5 mm thick material as it does with the solid striker plates made of 8 mm thick steel or stainless steel respectively.

The material thickness 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. Within the system groups, which are geared to customer-specific frame geometries, the locking plates from BaSys remain compatible with milled applications. With just a few simple steps, the components can be exchanged for one another, whether for aesthetic or functional reasons, for anti-burglary protection or for adjustment.



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 100 members of staff. In 2018 BaSys won the TOP 100 Award as one of the most innovative German mid-marked companies.

Talk to a strong partner:

B/a/S/y/s - Bartels Systembeschläge GmbH
Gewerbegebiet Echternhagen 2
32689 Kalletal – Germany

phone: +49 5264 / 6473-0
fax: +49 5264 / 6473-30
e-mail: vertrieb@basys.biz



www.basys.biz