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Developed into a system: Concealed fitting technology for full glass doors

Concealed door hinges are setting the trend. The fitting technology should be as invisible as possible and produce a purist look. This is all the more important when filigree glass comes into play as a door material. On show at Fensterbau Frontale and developed for glass doors, Basys is expanding its „Pivota DX Glass“ to create a system. 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.

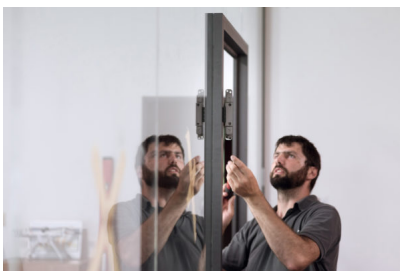
With the “Pivota DX Glass”, Basys is adapting the CE-certified and proven technology of its concealed hinges for use with hinged glass doors, with no ifs or buts. The frame part disappears into the frame and the wing part vanishes into a retainer screwed into and therefore clamped to the glass door. The connection created ensures maximum long-term strength. The components are mounted using the proven methods.

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 decorative fitting and the lockable lock case, which makes it suitable for project usage. Magnetically attached design covers ensure a screw-free look.

In developing the “Pivota DX” product range, Basys has created a full line of concealed hinges. With load-bearing capacities of 40 to 350 kilograms per pair, it covers the entire door spectrum. Doors can be opened up to 180 degrees with the aid of the hinge, they are maintenance-free and can be adjusted in three dimensions. When used in full glass doors, they ensure that the door, for example in offices, provides sound-proof closing in combination with the fully functional lock.

The centrepiece of the hinge series is the patented design principle with a symmetrical four-knuckle joint that transmits the forces from the door wing evenly to the frame. Different door load-bearing capacities can be catered for thanks to the material hybrids with identical cutout hinge dimensions. Basys only uses steel, stainless steel and aluminium and, depending on the load-bearing capacity demanded, balances the use of these materials in hybrid technology: the higher the weight of the door, the higher the share of steel components used.

This makes the system universal: on the one hand, wood doors can replace glass doors and vice versa; on the other hand, a uniform architectural approach can be pursued in larger objects with doors made of different materials.



Caption 1: With "PIVOTA DX Glass", the concealed hinge technology can now also demonstrate its strengths with glass doors. The Glaskeil Glasbau GmbH & Co. KG, glass products manufacturer in Würzburg, is one of the first producers that install the new hinge system. Photo: Patrick Hamacher, PH.OTOGRAPHIE, Würzburg



Caption 2: Basys has expanded its "Pivota DX Glass", developed for glass doors, into a system. 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 and fit flush with the frame and face. Photo: Basys



Caption 3: The centrepiece of the "Pivota DX" hinge series is the patented design principle with a symmetrical four-knuckle joint that transmits the forces from the door wing evenly to the frame. Magnetically attached design covers ensure a screw-free look. Photo: Basys



Caption 4: The design of the decorative fitting and the lockable lock case, which makes it suitable for project usage, takes on the look of the hinge retainer. Because they are produced in solid aluminium, they offer a variety of surface finishing options. Photo: Patrick Hamacher, PH.OTOGRAPHIE, Würzburg

BaSys

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.