

# B | a | S | y | s

*Bartels Systembeschläge GmbH*

**FITTINGS WITH IDEAS**



innovations  BAU 2017

# "PIVOTA® DX" – concealed hinges from BaSys

## For automatically closing doors



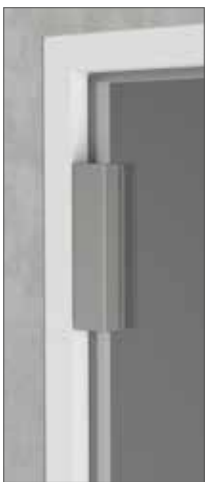
"PIVOTA® DXS 101 3-D Close" is a concealed hinge that closes doors gently and automatically.

**Features:** soft- and self-closing, 3-dimensionally adjustable, opening angle of 180 degrees, maintenance-free bearings

**Range of application:** non-rebated doors

**Standard load:** maximum door weight 80 kg (per pair)

## For glass doors



The "PIVOTA® DX 80 3-D Glass" is a hinge with a frame part that disappears into the frame and a door part that is hidden from view in a casing attached to the glass door. It makes it possible – preferably in larger-type premises with doors made of different materials – to follow a consistent approach to architectural design.

This little box, that BaSys delivers inclusive fixing screws, is made of solid aluminium which means it provides many different options for finishing the surface to match its design to the decorative fitting that is required on glass doors.

**Features:** 3-dimensionally adjustable, maintenance-free bearings

**Range of application:** glass doors

**Standard load:** maximum door weight 80 kg (per pair)

## For heavy-duty doors

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. Its special kinematics permits facings in a thickness of up to 8 mm.

The new model has the same mortising dimensions as the "PIVOTA® DX 120" (150 kg load-bearing capacity) and the "PIVOTA® DX 180" (200 kg load-bearing capacity).

**Features:** 3-dimensionally adjustable, maintenance-free bearings

**Range of application:** non-rebated doors



Accessories for all concealed hinges:  
"PIVOTA® DX" safety plate for frame part, retainer for steel frames

innovative | customer-oriented

## Heavy-duty hinge for heavy-duty doors

Ever greater door weights and larger door panels are demanding hinge systems with a high load-bearing capacity. At BAU 2017, BaSys is presenting the **"OBJECTA® 2239/160/56-4 SL" with "STV 135/56 3-D"**, a barrel hinge that has passed the tests for doors weighing 350 kilograms.

With the "OBJECTA®" product range, Bartels Systembeschläge has designed a door-hinge system which, equally as practical as aesthetically pleasing, is geared to a high frequency of opening and closing cycles while requiring no maintenance throughout its service life.

A fixing pin featured in all left and right-opening "OBJECTA®" door hinges distinguishes the product from the usual standard. The new hinge follows this system approach with fixing pins as well as high-quality bearing materials. It is available for rebated and non-rebated door geometries. BaSys also supplies mounting accessories, such as retaining plates for surrounding frames.



### Further specifications:

integrally removable,  
material thickness 4 mm, welded hinge barrels

### Receiver "OBJECTA® STV 135/56 3-D":

connection size 56 mm (VX),  
fully assembled with integrated pull-out protection,  
adjustment range 3 mm in all directions,  
solid front plate made of stainless steel,  
the receiver can be fixed with screws through the  
hollow adjustment spindles

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## Adjustable "STABILO®" angled striking plate

Fitted in the top aperture of the new adjustable angled striking plate „**STABILO® 28 2-Hole light A2**“ is a U-shaped stainless-steel profile that can be moved horizontally after loosening the clamping screw. This increases or reduces the door seal's contact pressure (2 mm). The striking plate fits the same mortise as other BaSys striking-plate systems (1 and GN) so that the striking plate fits into the same cut-out.

Because it provides a tighter seal, this innovation makes rattling doors a thing of the past, reliably eliminates annoying noises and does not give cold draughts a chance either.

**Specifications:** striking plate for rebated doors, suitable for all DIN locks, plastic shim inclusive



flexible | made in Germany

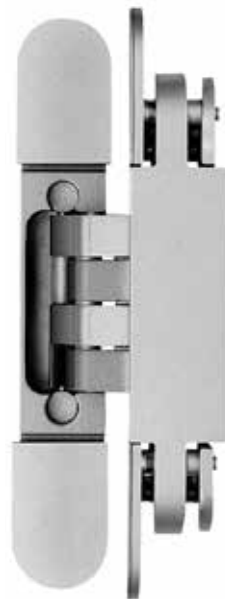
## Higher load-bearing capacities



BAU 2017 will be showcasing no fewer than five concealed hinges with load-bearing capacities that are now 20 kilograms higher; BaSys has been able to increase the load-bearing capacity of the "PIVOTA® DX 38 3-D" (left picture) and "PIVOTA® DX 42 3-D" from 40 to 60 kilograms per pair.

The load-bearing capacity of the "PIVOTA® DX 100", "DX 101" (right picture) and "DX 102" has risen from 100 to 120 kilograms per pair. The capacity of these hinges has been upgraded as part of the continuous improvement process.

The company will be testing higher load-bearing capacities of up to 100 kilograms for the concealed hinges from the "60"-series until March 2017. In April 2017, BaSys will then guarantee that the "PIVOTA® DXS 100 Steel" and "PIVOTA® DXE 100 Enox" will also carry loads of up to 160 kilograms. The "PIVOTA® DX 58" is already undergoing endurance testing at 80 kilograms. BaSys is testing the products in-house on four standards-compliant test rigs of the type also used by the certifying bodies.



## 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:

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](mailto:vertrieb@basys.biz)



[www.basys.biz](http://www.basys.biz)