

## Applications

### **BKA-EN with GDA installation kit**

BKAEN | L = 375 mm

GDA installation kit,  
steel profile with calcium silicate slabs cladding  
Installation in solid walls in the area of flexible  
ceiling connections, wall thickness  $\geq 100$  mm

### **BKA-EN with ER-A1 mounting frame**

BKAEN | L = 375/500 mm

ER-A1 mounting frame made of calcium silicate slabs  
Installation in metal stand walls with panels on both sides,  
wall thickness  $\geq 100$  mm

### **BKA-EN with "flange to flange" installation**

BKAEN | L=375/500 mm

Installation with mineral wool lining in the direct  
flange-to-flange area  
Installation in solid walls, wall thickness  $\geq 100$  mm

### **MEZ AEROSEAL**

Technology for sustainable sealing of pre-installed  
air guidance systems; the evidence for a possible admis-  
sion of MEZ AEROSEAL to SCHAKO fire dampers BKAEN,  
BSKRPR and BKPEN has been provided by a notified tes-  
ting, monitoring and certification body.

### **Siemens drives GRA126(326).1E/T12**

The evidence for the use of Siemens drives  
GRA126(326).1E/T12 (4 Nm) in SCHAKO fire  
dampers BKAEN, BSKRPR and BKPEN has been provided.

SCHAKO stands for competence in the ventilation and air conditioning technology. The quality standard and the reliability of our products are well-known throughout Europe. In our own test laboratories we develop solutions which sustainably optimise the indoor climate in work environments and public spaces. With sites in Germany, Spain, Hungary and Turkey we deliver quickly and flexibly in all of Europe.

We carry a broad standard range and are optimally geared to meet special air demands with individual and intelligent solutions.

### **Pure competence in air**

As air specialists, the companies of **SCHAKO Group - NOVENCO Building&Industry, REVEN, SCHAKO, SCHNEIDER Elektronik and SIROCCO** - provide a unique portfolio of ventilation, air conditioning, smoke extraction and fire protection products and system solutions for the commercial construction, public buildings, canteen kitchens, laboratories, the process industry, stairwells, underground car parks and tunnel systems.

### **SCHAKO Ferdinand Schad KG**

Steigstraße 25- 27

D-78600 Kolbingen

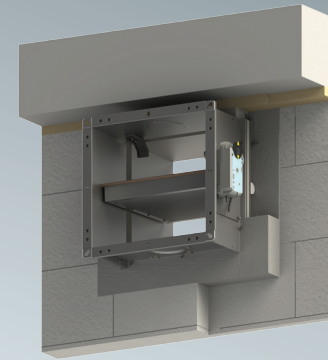
Germany

[www.schako.com](http://www.schako.com)

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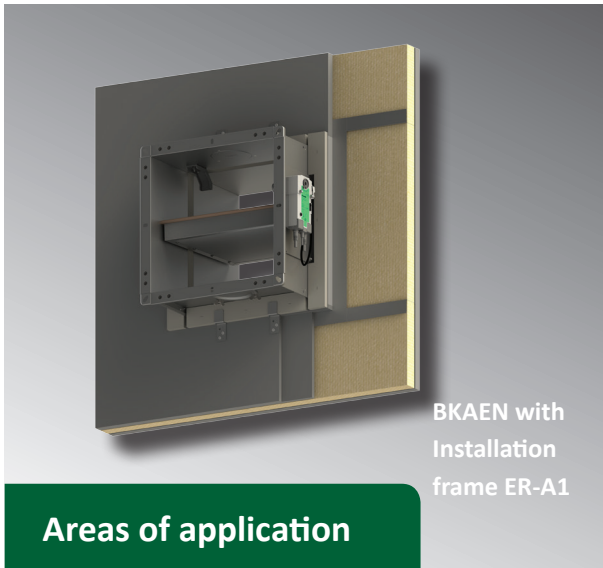
Pure competence in air.



## BKAEN BKPEN | BSKRPR

**New uses and applications  
for the proven SCHAKO fire dampers**

- BKAEN, GDA installation kit
- BKAEN, ER-A1 mounting frame
- BKAEN, flange-to-flange installation
- MEZ AEROSEAL
- Siemens drives GRA126(326).1E/T12



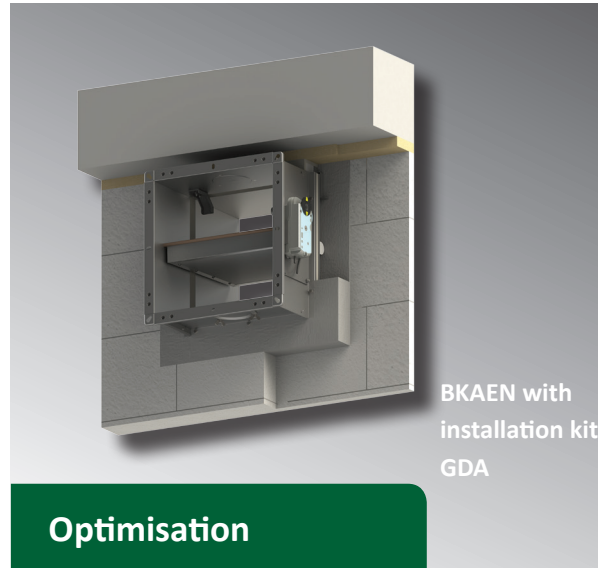
## Areas of application

### More applications - more possibilities

Modern, complex buildings continuously require advanced and new solutions. People's basic need for safety plays an increasingly important role in this context.

The EU Construction Products Regulation defines seven basic requirements for buildings. Due to their significance for a safe use of buildings, fire protection and, mentioned additionally, smoke extraction take the second place.

SCHAKO fire dampers comply with these basic requirements at all times; when installed in ventilation lines of room ventilation systems, they independently and automatically shut off individual fire areas in the event of emergency - for your safety and the preservation of the buildings.



## Optimisation

### Improved installations - new drives

By using the **GDA installation kit** it is possible to install the **BAEN** in solid walls in the area of flexible ceiling connections. Ceiling deformations are absorbed without impairing the function. The simple handling allows for fast installation. The redesigned **installation frame ER-A1** replaces the previous installation frame of the **BAEN**. Due to trimming and reduced dimensions, installation is even possible in confined spaces. Furthermore, sealing measures are dropped and the installation time is shortened.

By positioning the mineral wool lining in the direct **flange-to-flange** area of two BKA-EN, the site-compliant installation in solid walls is now possible.

The portfolio of possible **fire damper drives** has been extended by the **Siemens GRA126(326).1E/T12** drives. Thus, for certain sizes of BKA-EN and all sizes of BKP-EN and BSK-RPR, the drives reduced to **4 Nm of torque** are now available.

## Sealing the line system

Energy efficiency, energy saving, environmental relief are demands of future-oriented construction.

**MEZ-TECHNIK based at Reutlingen** offers the subsequent sealing of already installed air pipes and ducts.

The SCHAKO fire dampers BKAEN, BKPEN and BSKRPR integrated in these systems can directly be supplied with the MEZ AEROSEAL used, without impairing the functionality.

## Available sizes

### BAEN

W x H = 200 mm x 200 mm .... 1500 mm x 800 mm  
L = 375/500 mm, or according to application

### BKPEN

W x H = 100 mm x 100 mm .... 800 mm x 250 mm  
L = 330 mm

### BSKRPR

Nominal size (Ø) 100 mm .... 500 mm  
L = 455/580 mm (-S model)  
L = 375/500 mm (-F model)  
or according to application